

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028519.D
 Acq On : 06 Dec 2018 22:23
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 07 06:19:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	95176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	168411	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	159995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80410	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	76246	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
35) Dibromofluoromethane	4.88	113	54629	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
50) Toluene-d8	7.57	98	219688	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	10.30	95	82671	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	64116	50.259	ug/l	100
3) Chloromethane	1.33	50	115446	49.223	ug/l	100
4) Vinyl Chloride	1.40	62	86868	51.323	ug/l	100
5) Bromomethane	1.62	94	32461	47.611	ug/l	100
6) Chloroethane	1.69	64	49099	51.241	ug/l	97
7) Trichlorofluoromethane	1.88	101	90341	50.732	ug/l	97
8) Diethyl Ether	2.10	74	40646	48.786	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	53050	49.811	ug/l	99
10) Methyl Iodide	2.41	142	44576	53.342	ug/l	99
11) Tert butyl alcohol	2.82	59	86786	268.189	ug/l	100
12) 1,1-Dichloroethene	2.28	96	52648	49.683	ug/l	97
13) Acrolein	2.19	56	62568	242.539	ug/l	100
14) Allyl chloride	2.59	41	120906	48.230	ug/l	99
15) Acrylonitrile	2.94	53	235407	262.025	ug/l	99
16) Acetone	2.32	43	191860	202.429	ug/l	99
17) Carbon Disulfide	2.48	76	187026	48.992	ug/l	100
18) Methyl Acetate	2.62	43	130666	53.183	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	203678	50.703	ug/l	100
20) Methylene Chloride	2.70	84	66513	47.605	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	59119	49.551	ug/l	98
22) Diisopropyl ether	3.57	45	253976	52.098	ug/l	97
23) Vinyl Acetate	3.52	43	1057688	263.037	ug/l	99
24) 1,1-Dichloroethane	3.45	63	127089	49.803	ug/l	100
25) 2-Butanone	4.26	43	319614	246.759	ug/l	97
26) 2,2-Dichloropropane	4.23	77	93536	46.260	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	68153	50.468	ug/l	99
28) Bromochloromethane	4.55	49	61769	53.246	ug/l	98
29) Tetrahydrofuran	4.64	42	220691	265.299	ug/l	99
30) Chloroform	4.67	83	113161	50.880	ug/l	99
31) Cyclohexane	5.00	56	126482	50.811	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	93174	50.441	ug/l	100
36) 1,1-Dichloropropene	5.14	75	89300	48.456	ug/l	98
37) Ethyl Acetate	4.38	43	122183	51.287	ug/l	99
38) Carbon Tetrachloride	5.13	117	74084	49.876	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	108223	48.135	ug/l	99
40) Benzene	5.39	78	272993	50.296	ug/l	98
41) Methacrylonitrile	4.54	41	69245	53.075	ug/l	99
42) 1,2-Dichloroethane	5.40	62	95376	50.200	ug/l	99
43) Isopropyl Acetate	5.55	43	197067	52.299	ug/l	99
44) Trichloroethene	6.19	130	59382	49.204	ug/l	96
45) 1,2-Dichloropropane	6.43	63	78760	51.601	ug/l	99
46) Dibromomethane	6.56	93	45421	50.155	ug/l	98
47) Bromodichloromethane	6.76	83	88477	50.206	ug/l	99
48) Methyl methacrylate	6.62	41	99662	53.184	ug/l	99
49) 1,4-Dioxane	6.61	88	32863	1110.679	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	619319	260.591	ug/l	99
52) Toluene	7.64	92	161546	50.572	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	106401	50.695	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	113666	49.917	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	63945	50.642	ug/l	99
56) Ethyl methacrylate	8.02	69	110057	50.898	ug/l	98
57) 1,3-Dichloropropane	8.24	76	116943	49.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	281508	254.174	ug/l	99
59) 2-Hexanone	8.36	43	471165	250.127	ug/l	100
60) Dibromochloromethane	8.48	129	61362	49.635	ug/l	99
61) 1,2-Dibromoethane	8.58	107	68751	51.921	ug/l	99
64) Tetrachloroethene	8.22	164	51142	47.921	ug/l	98
65) Chlorobenzene	9.12	112	167411	49.104	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	55079	50.591	ug/l	100
67) Ethyl Benzene	9.25	91	310708	49.575	ug/l	99
68) m/p-Xylenes	9.37	106	229045	100.434	ug/l	100
69) o-Xylene	9.78	106	110088	49.673	ug/l	100
70) Styrene	9.79	104	183717	50.090	ug/l	99
71) Bromoform	9.96	173	46813	50.545	ug/l #	99
73) Isopropylbenzene	10.16	105	293265	47.530	ug/l	99
74) N-amyl acetate	10.01	43	175557	49.326	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	114877	48.467	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	138974	67.684	ug/l	83
77) Bromobenzene	10.45	156	69401	48.094	ug/l	100
78) n-propylbenzene	10.58	91	369010	48.130	ug/l	99
79) 2-Chlorotoluene	10.66	91	212355	48.084	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	247167	48.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	138974	165.193	ug/l #	100
82) 4-Chlorotoluene	10.77	91	249454	47.665	ug/l	99
83) tert-Butylbenzene	11.10	119	235258	47.789	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	252094	47.893	ug/l	99
85) sec-Butylbenzene	11.32	105	305778	48.350	ug/l	100
86) p-Isopropyltoluene	11.48	119	255728	47.601	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	128669	47.221	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	130123	46.157	ug/l	100
89) n-Butylbenzene	11.89	91	261844	48.160	ug/l	100
90) Hexachloroethane	12.14	117	39307	48.407	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	127031	46.607	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25796	50.270	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

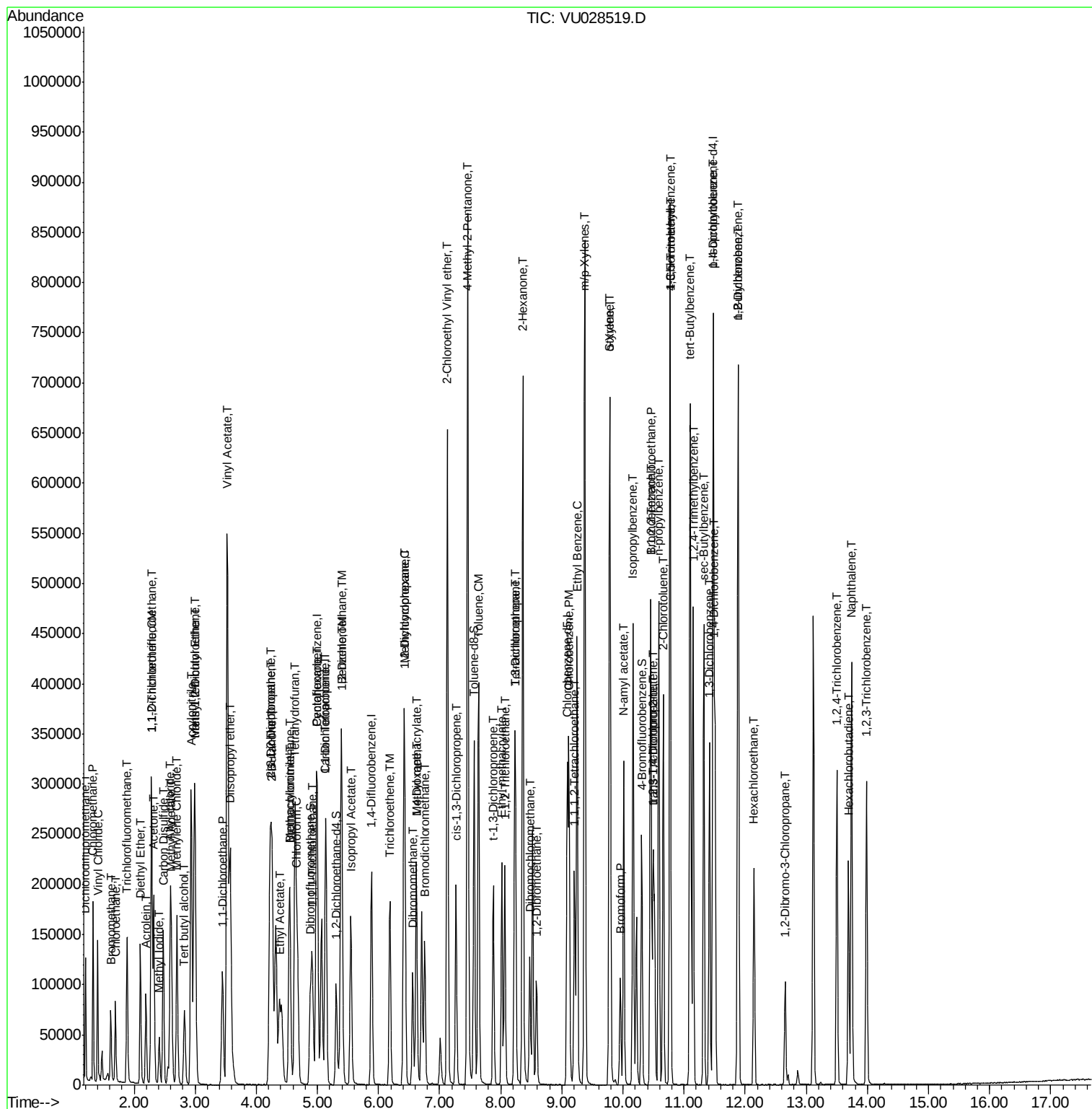
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	90484	48.340	ug/l	99
94) Hexachlorobutadiene	13.69	225	40064	44.874	ug/l	98
95) Naphthalene	13.74	128	316659	48.416	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	91264	48.963	ug/l	99

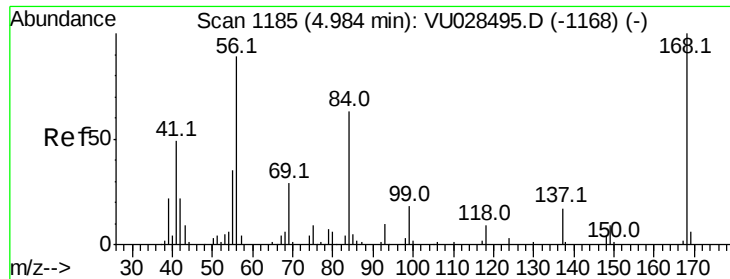
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

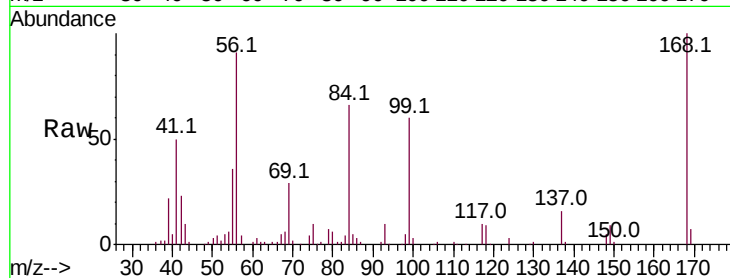
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 95176

Ion Ratio Lower Upper

168 100

99 59.3 46.6 69.8



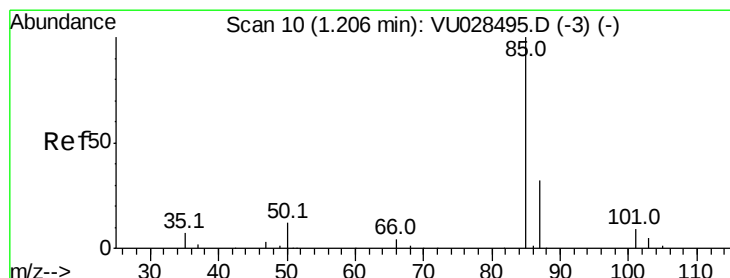
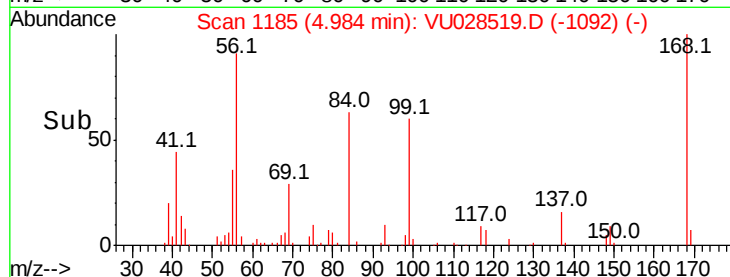
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.259 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028519.D

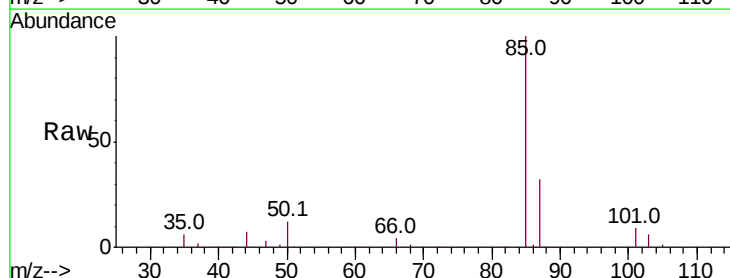
Acq: 06 Dec 2018 22:23

Tgt Ion: 85 Resp: 64116

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



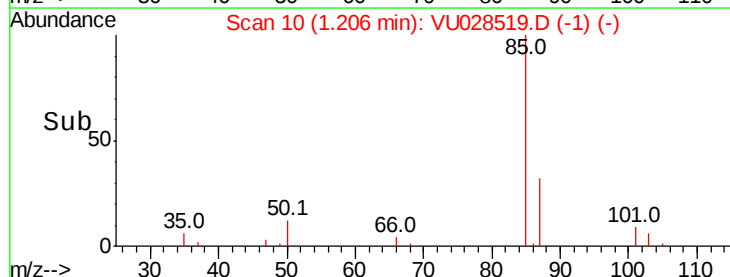
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

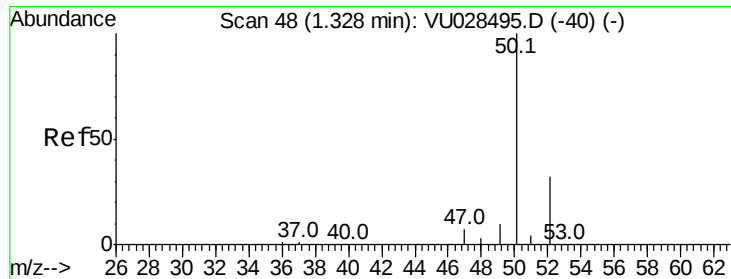
Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 49.223 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

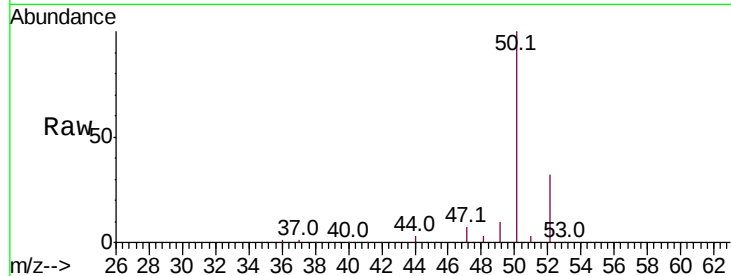
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 50 Resp: 115446

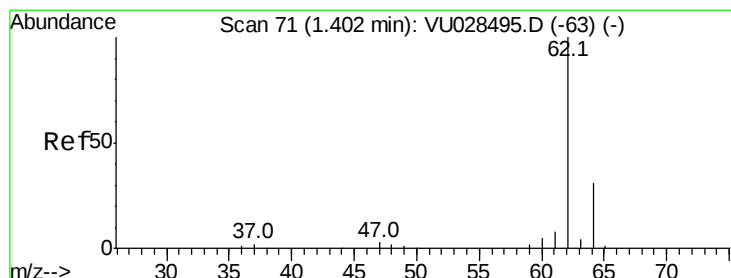
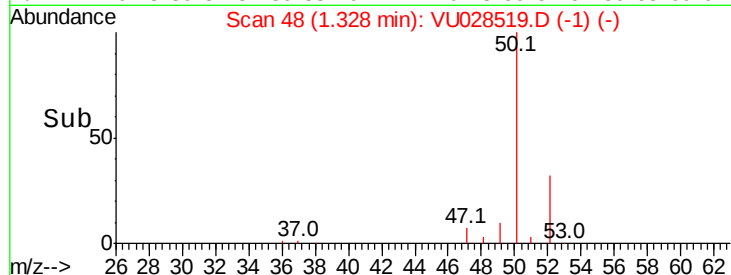
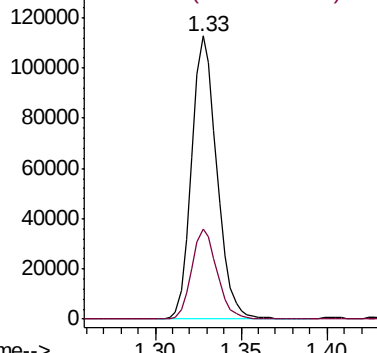
Ion Ratio Lower Upper

50 100

52 31.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0
Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 51.323 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028519.D

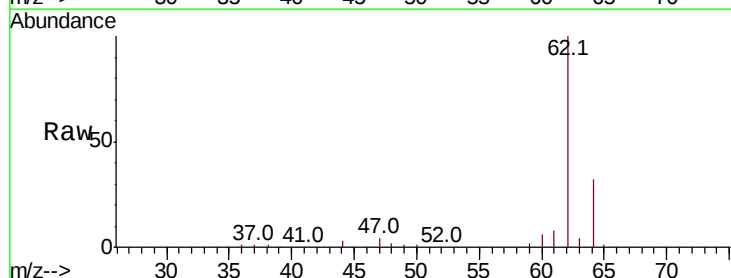
Acq: 06 Dec 2018 22:23

Tgt Ion: 62 Resp: 86868

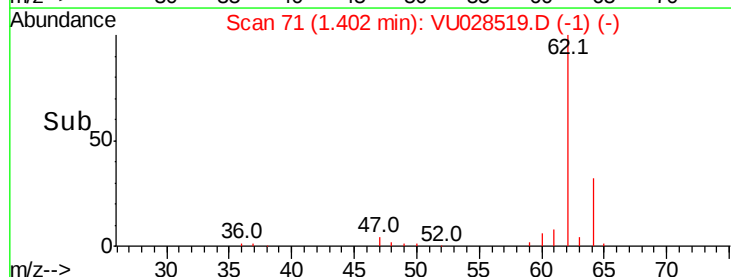
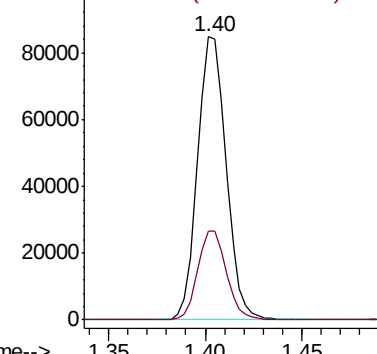
Ion Ratio Lower Upper

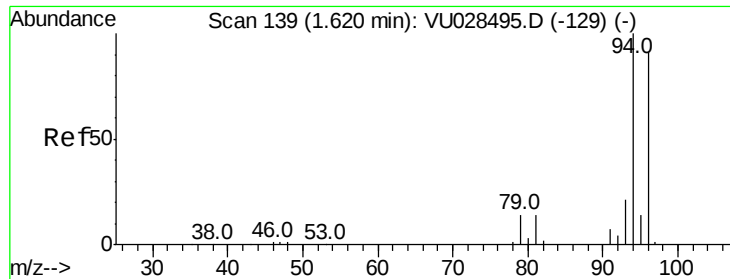
62 100

64 31.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 47.611 ug/l

RT: 1.62 min Scan# 139

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

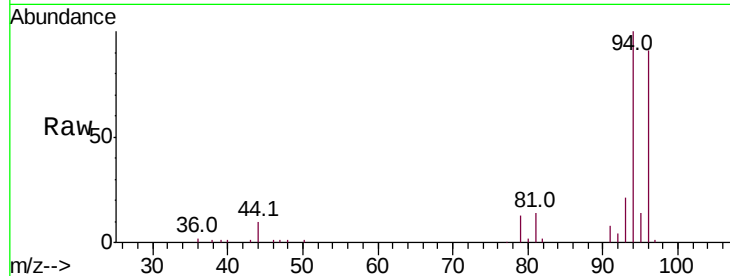
VSTDCCC050EC

Tot Ion: 94 Resp: 32461

Ion Ratio Lower Upper

94 100

96 91.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU028495.D (-129) (-)

Ion 95.90 (95.60 to 96.60): VU028519.D (-46) (-)

1.62

25000

20000

15000

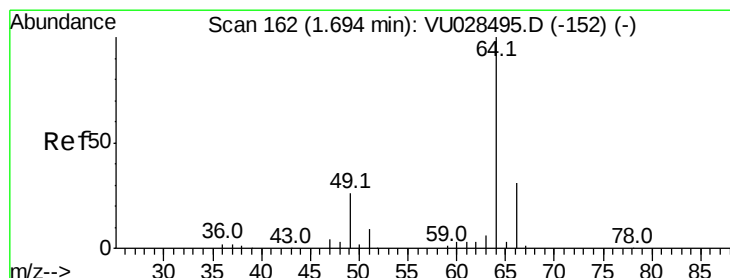
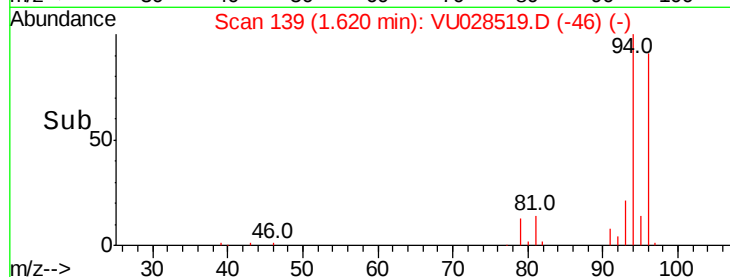
10000

5000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 51.241 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU028519.D

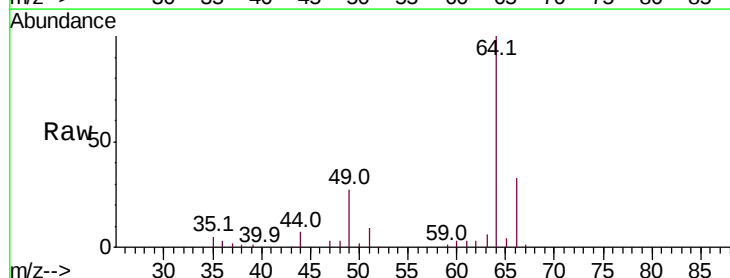
Acq: 06 Dec 2018 22:23

Tgt Ion: 64 Resp: 49099

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU028495.D (-152) (-)

Ion 65.90 (65.60 to 66.60): VU028519.D (-69) (-)

1.69

40000

30000

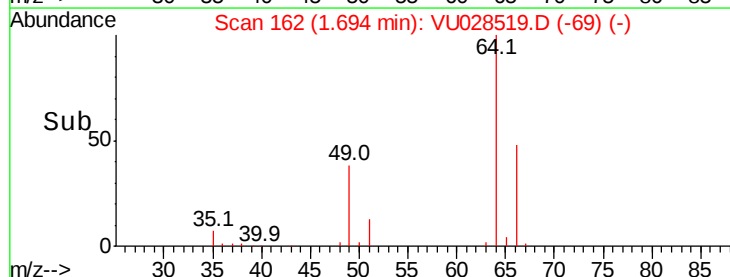
20000

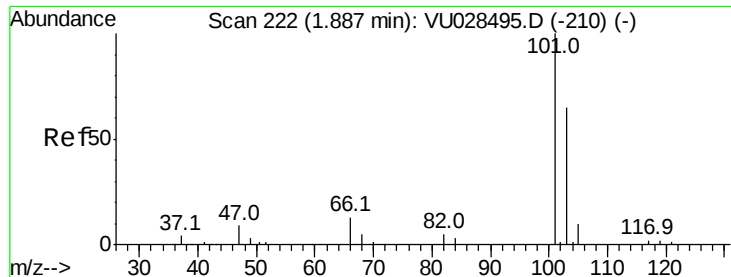
10000

0

1.65 1.70 1.75

Time-->



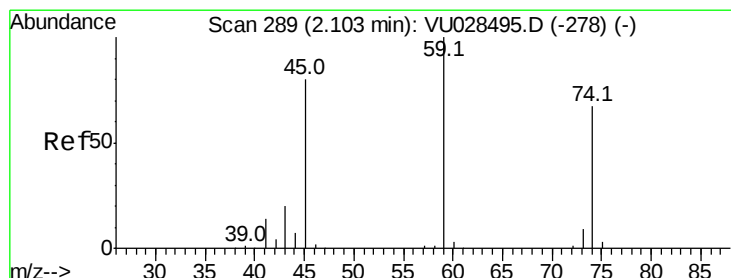
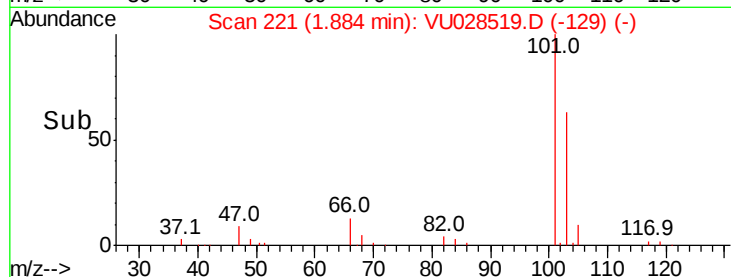
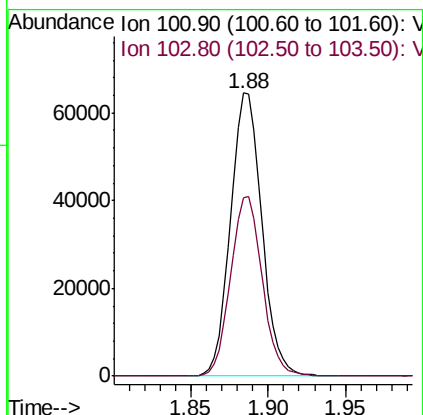
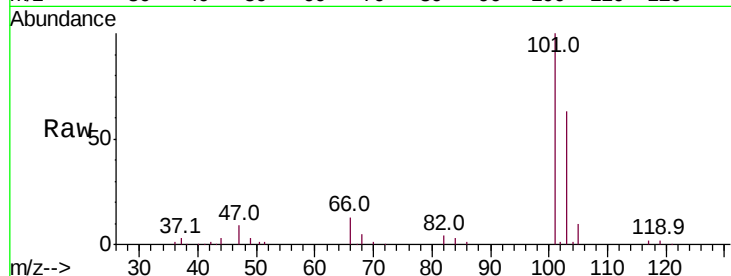


#7

Trichlorofluoromethane
Concen: 50.732 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU028519.D
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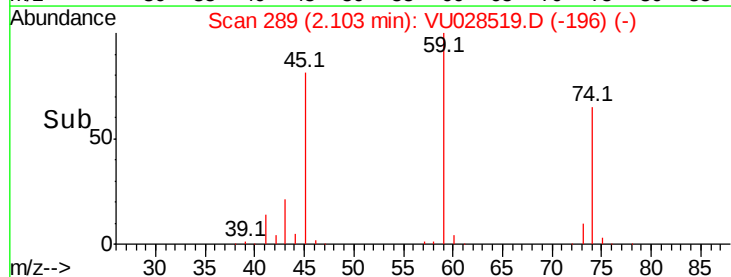
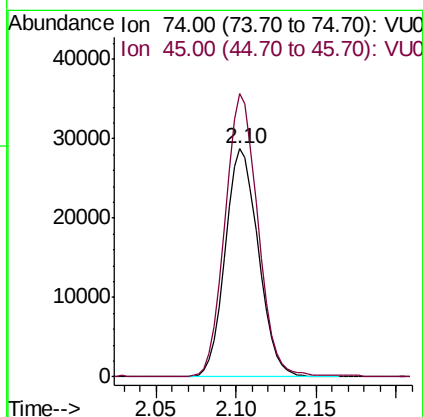
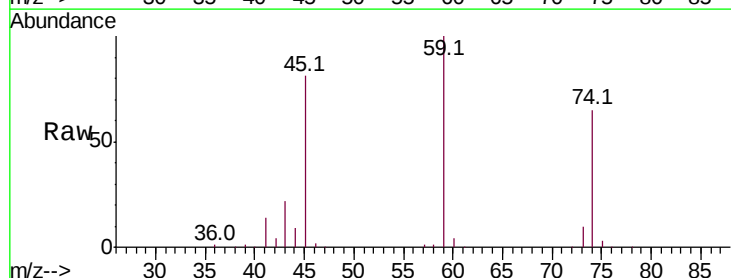
Tot Ion:101 Resp: 90341
Ion Ratio Lower Upper
101 100
103 63.2 52.3 78.5

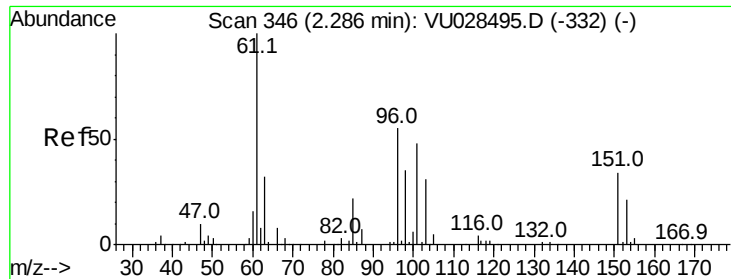


#8

Diethyl Ether
Concen: 48.786 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 74 Resp: 40646
Ion Ratio Lower Upper
74 100
45 123.0 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.811 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028519.D

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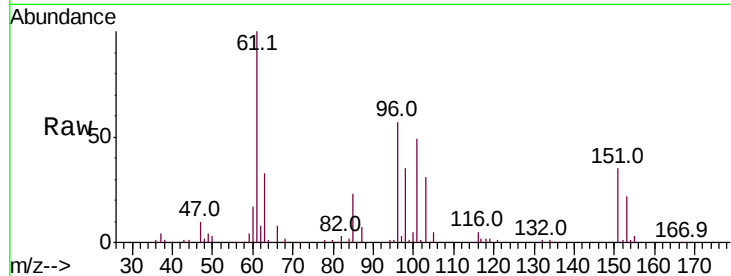
Tot Ion:101 Resp: 53050

Ion Ratio Lower Upper

101 100

85 45.9 36.4 54.6

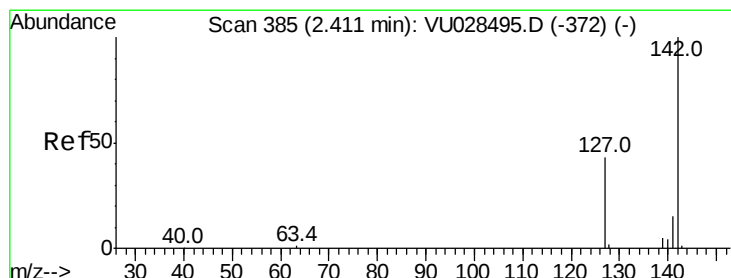
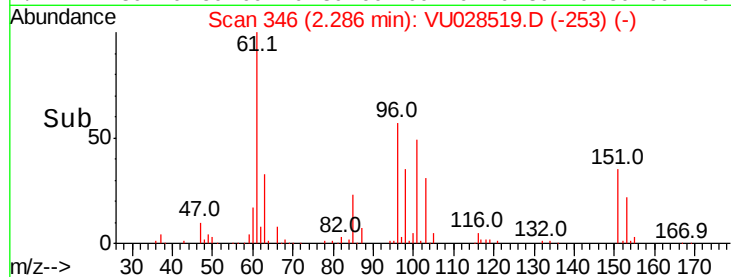
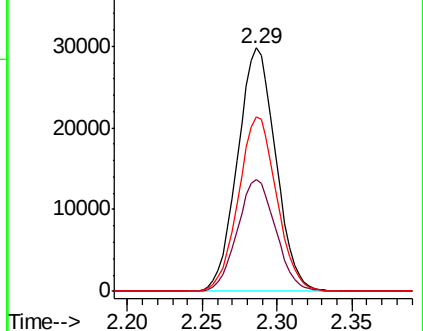
151 71.6 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.342 ug/l

RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

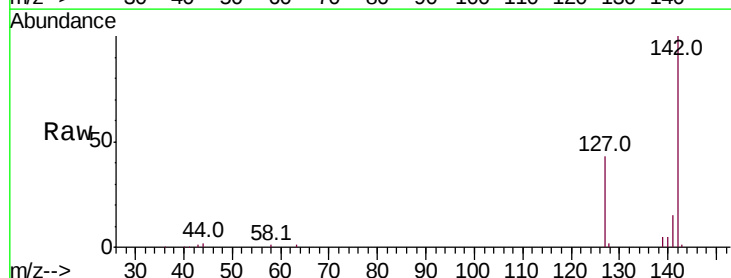
Tgt Ion:142 Resp: 44576

Ion Ratio Lower Upper

142 100

127 42.6 33.5 50.3

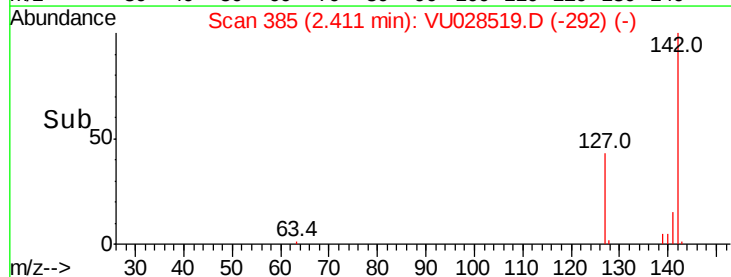
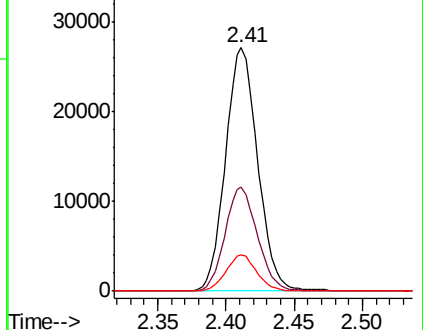
141 14.1 11.2 16.8

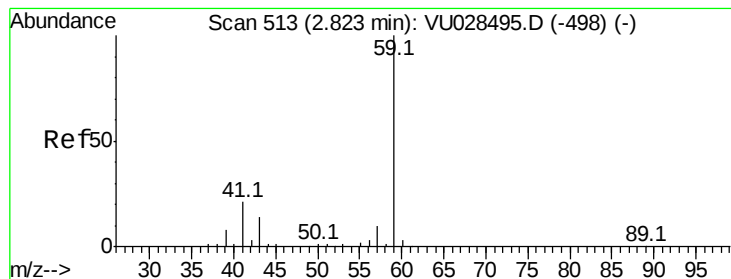


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 268.189 ug/l

RT: 2.82 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

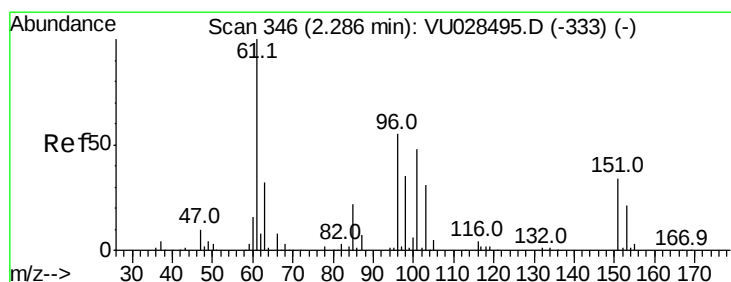
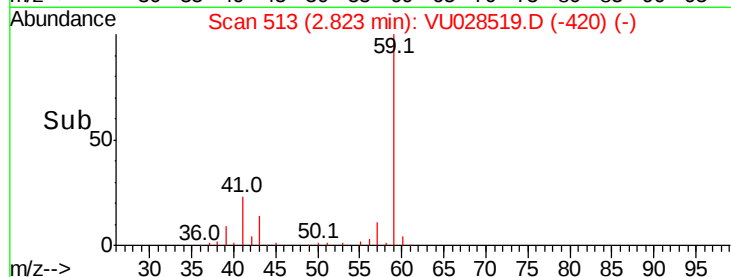
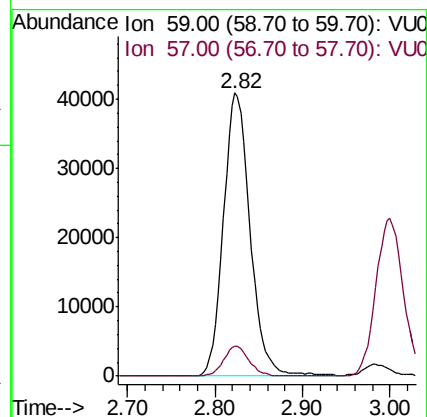
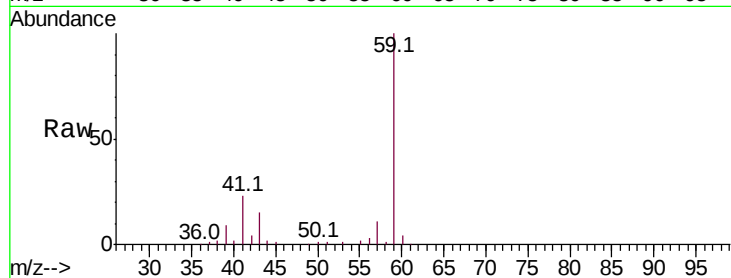
VSTDCCC050EC

Tot Ion: 59 Resp: 86786

Ion Ratio Lower Upper

59 100

57 10.0 8.0 12.0



#12

1,1-Dichloroethene

Concen: 49.683 ug/l

RT: 2.28 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

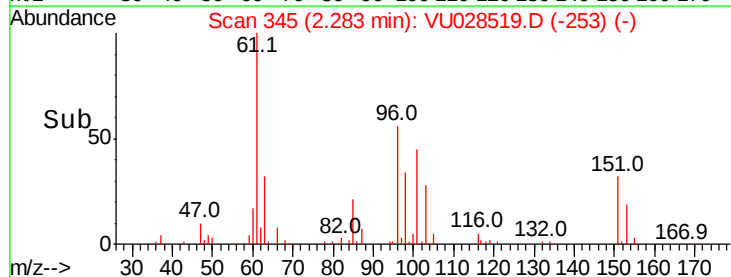
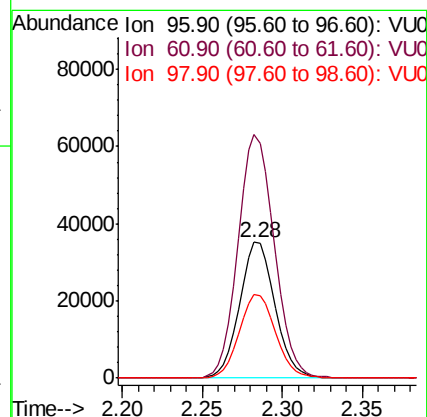
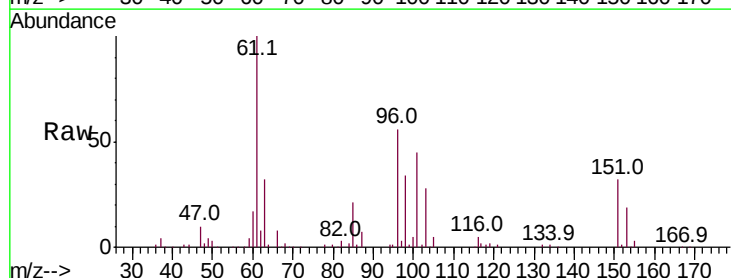
Tgt Ion: 96 Resp: 52648

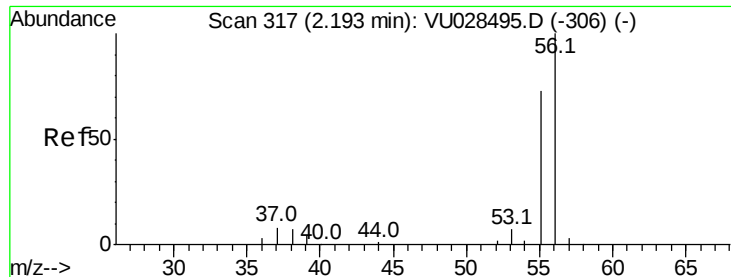
Ion Ratio Lower Upper

96 100

61 179.2 146.4 219.6

98 61.4 51.8 77.8





#13

Acrolein

Concen: 242.539 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

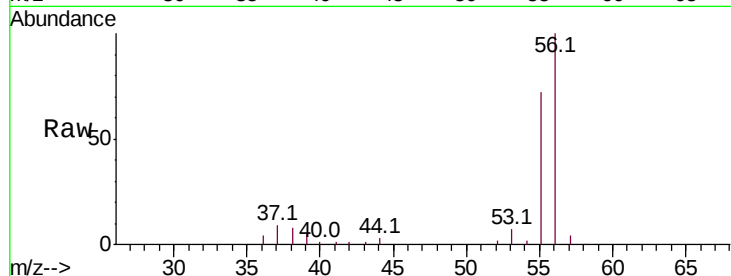
VSTDCCC050EC

Tot Ion: 56 Resp: 62568

Ion Ratio Lower Upper

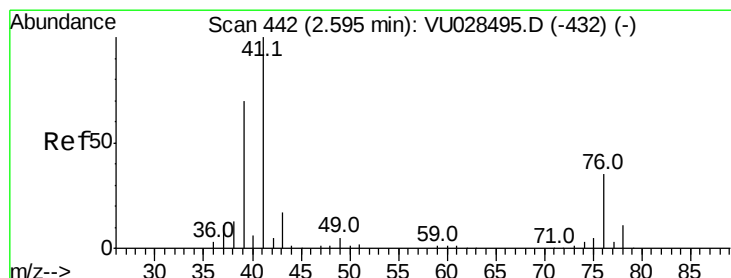
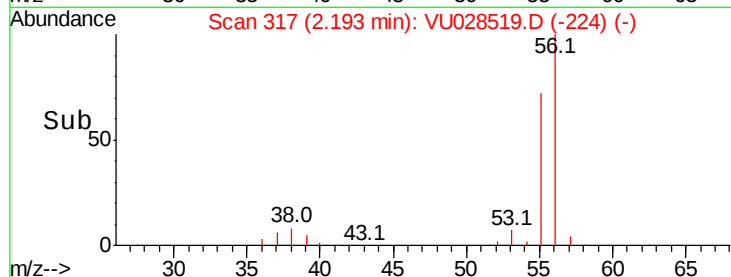
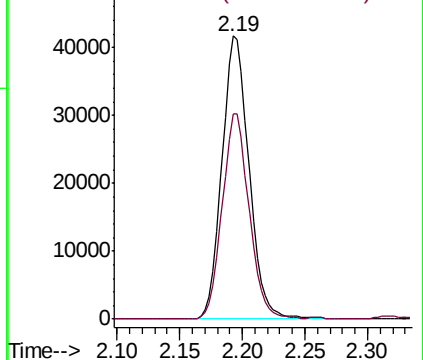
56 100

55 71.9 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU028495.D (-306) (-)



#14

Allyl chloride

Concen: 48.230 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

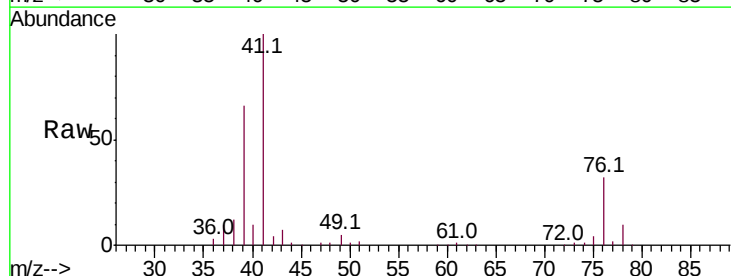
Tgt Ion: 41 Resp: 120906

Ion Ratio Lower Upper

41 100

39 64.7 50.8 76.2

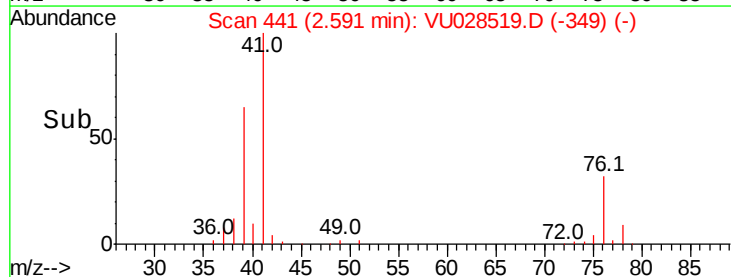
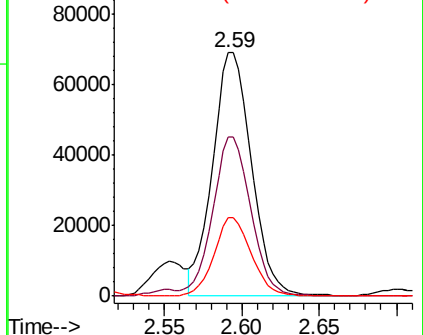
76 30.9 24.8 37.2

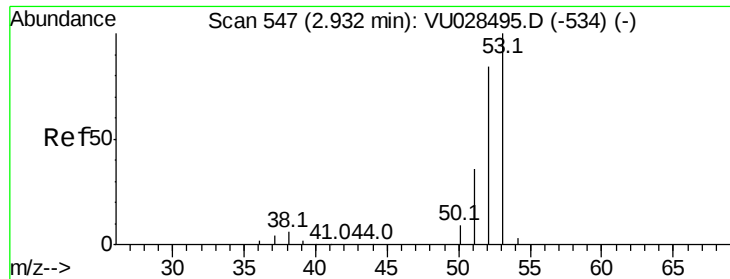


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-432) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-432) (-)

Ion 75.90 (75.60 to 76.60): VU028495.D (-432) (-)





#15

Acrylonitrile

Concen: 262.025 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

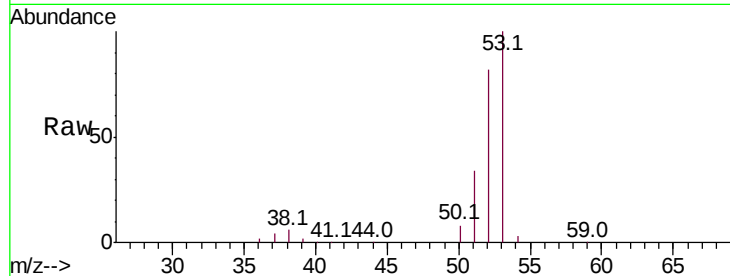
Tot Ion: 53 Resp: 235407

Ion Ratio Lower Upper

53 100

52 81.5 66.1 99.1

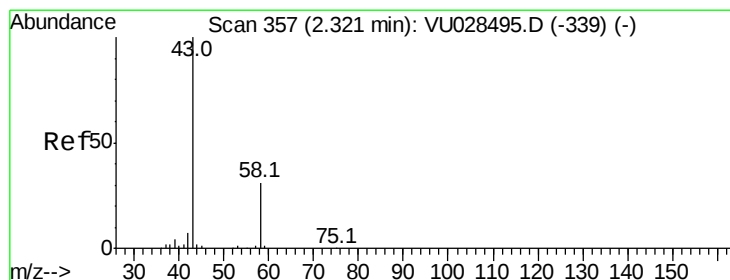
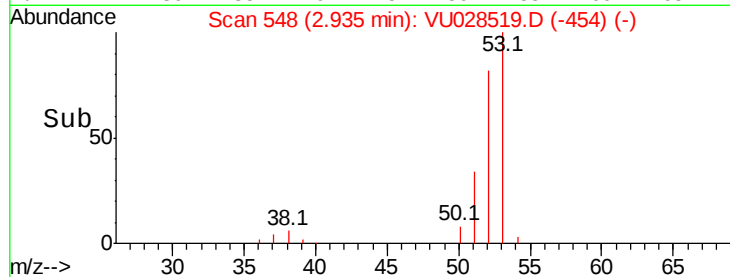
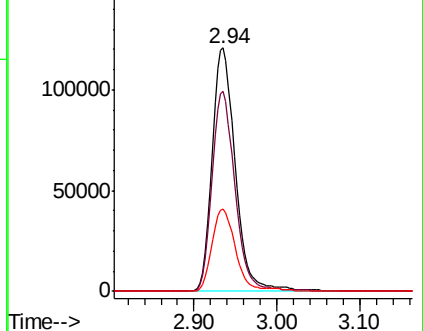
51 34.9 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 202.429 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028519.D

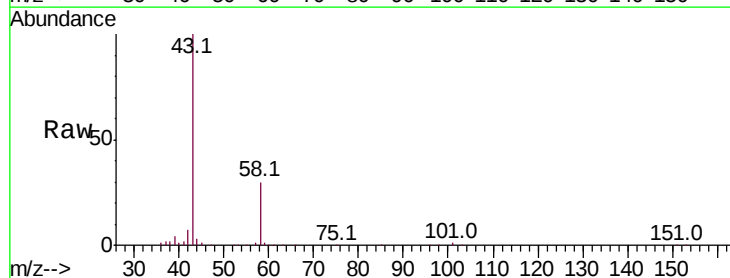
Acq: 06 Dec 2018 22:23

Tgt Ion: 43 Resp: 191860

Ion Ratio Lower Upper

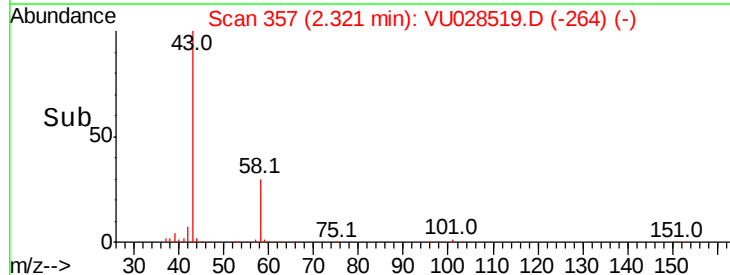
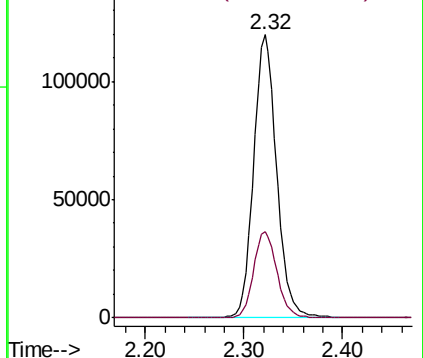
43 100

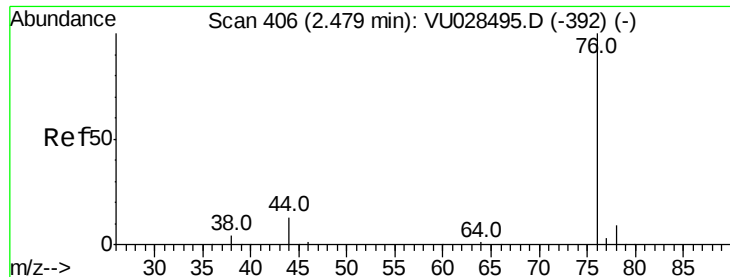
58 30.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

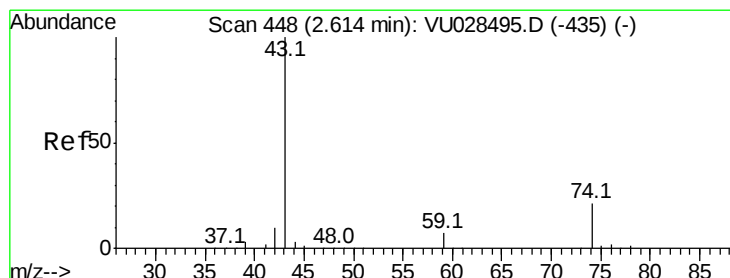
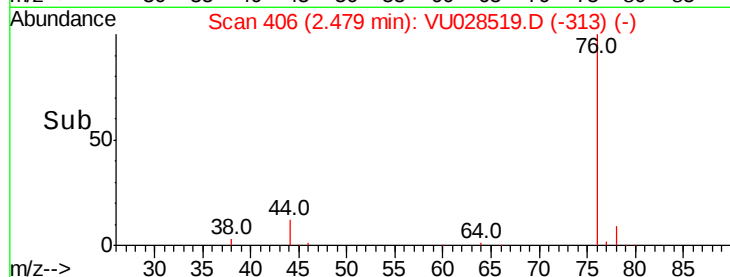
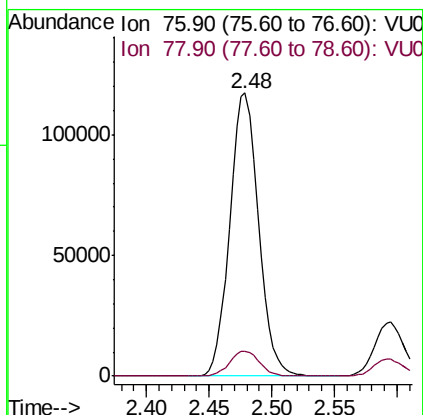
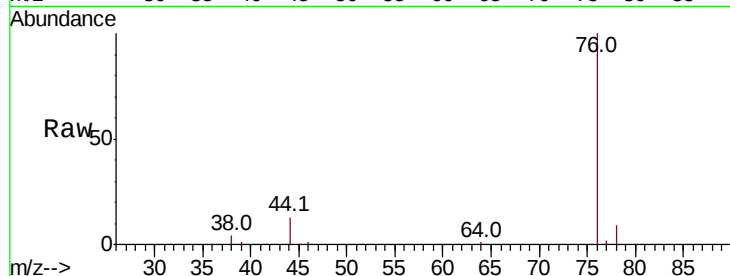




#17
Carbon Disulfide
Concen: 48.992 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

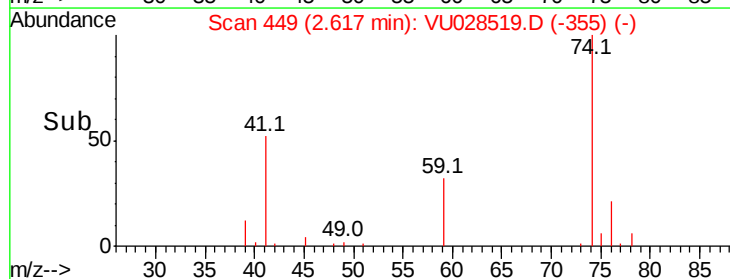
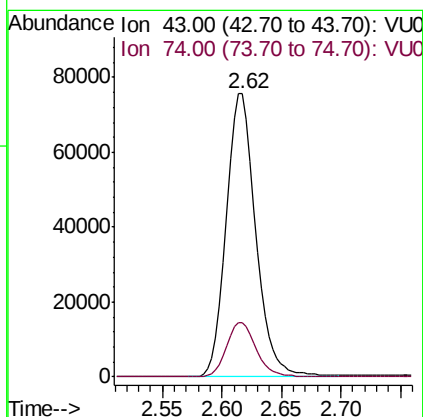
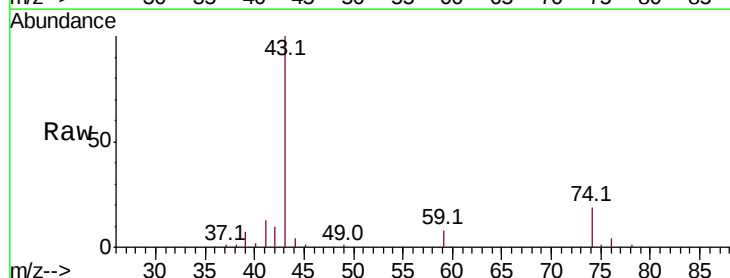
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

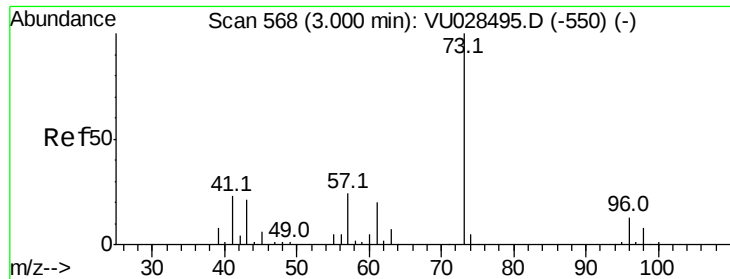
Tot Ion: 76 Resp: 187026
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 53.183 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 43 Resp: 130666
Ion Ratio Lower Upper
43 100
74 19.3 16.4 24.6

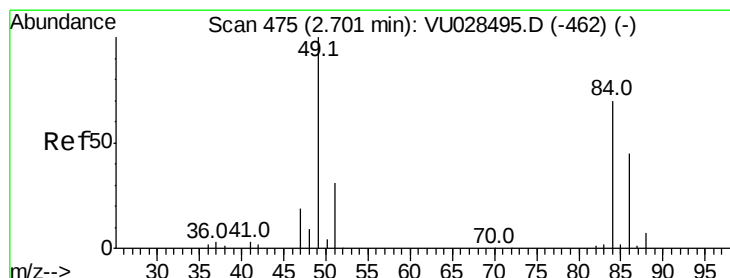
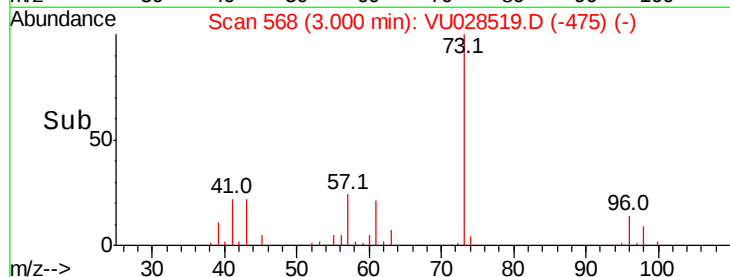
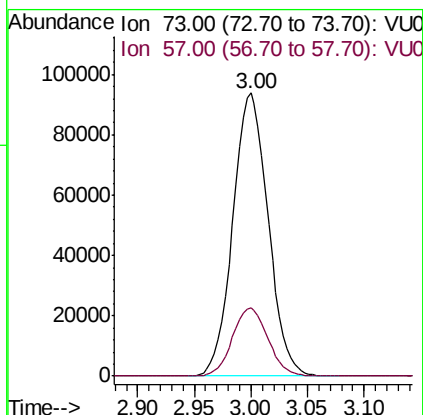
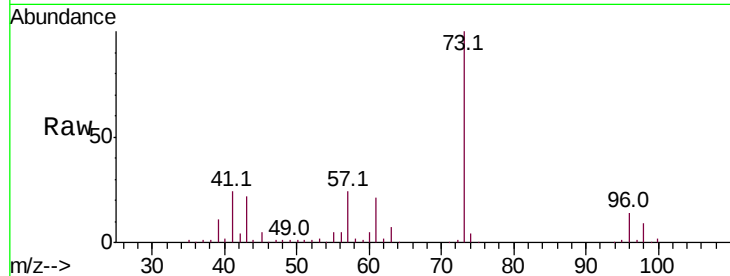




#19
Methyl tert-butyl Ether
Concen: 50.703 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

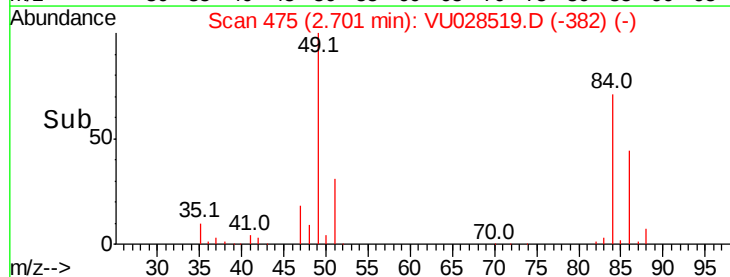
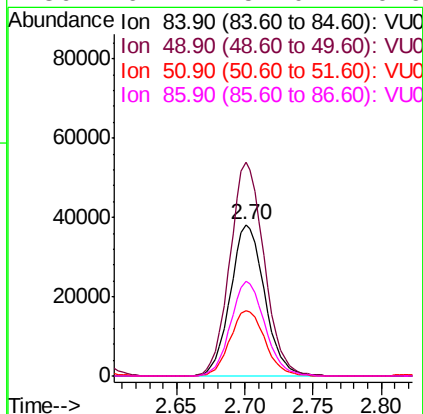
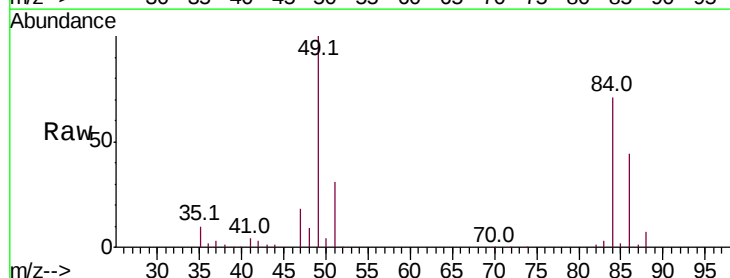
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

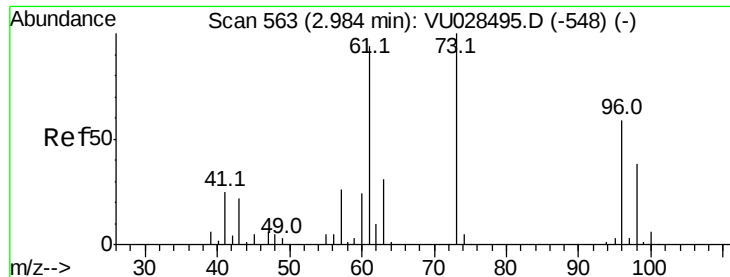
Tot Ion: 73 Resp: 203678
Ion Ratio Lower Upper
73 100
57 24.3 19.4 29.2



#20
Methylene Chloride
Concen: 47.605 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 84 Resp: 66513
Ion Ratio Lower Upper
84 100
49 141.3 114.0 171.0
51 43.3 35.1 52.7
86 62.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.551 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

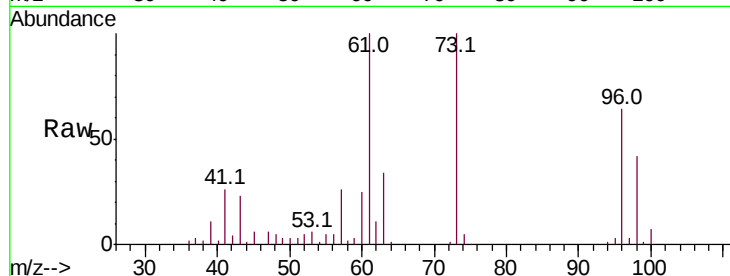
Tot Ion: 96 Resp: 59119

Ion Ratio Lower Upper

96 100

61 155.6 127.0 190.4

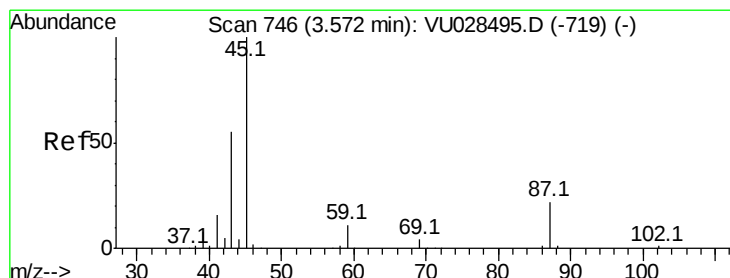
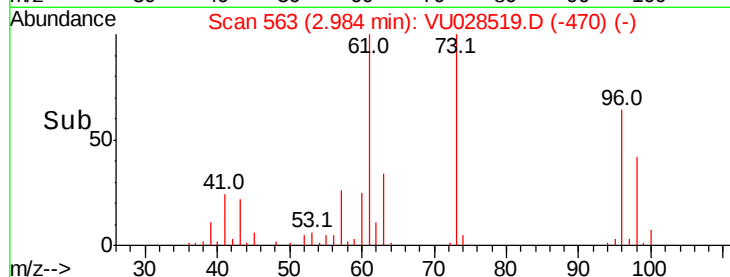
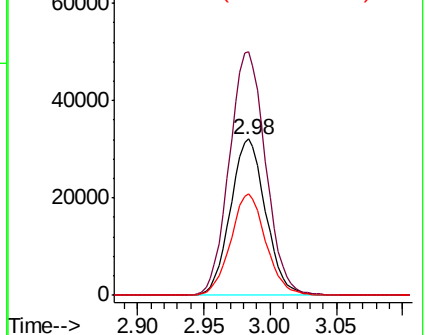
98 65.1 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 52.098 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Tgt Ion: 45 Resp: 253976

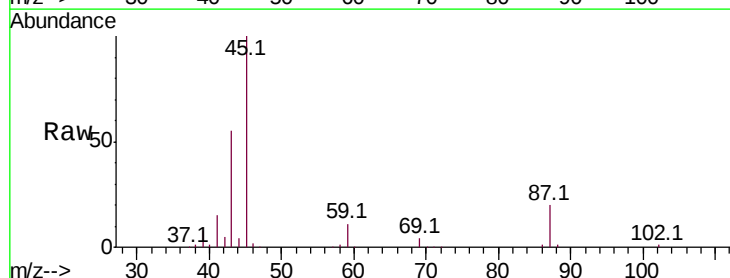
Ion Ratio Lower Upper

45 100

43 54.2 45.3 67.9

87 20.5 17.6 26.4

59 11.0 8.8 13.2

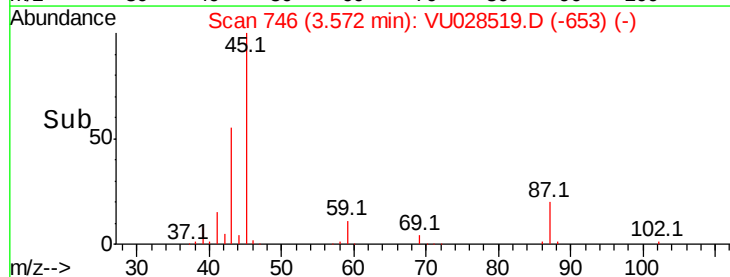
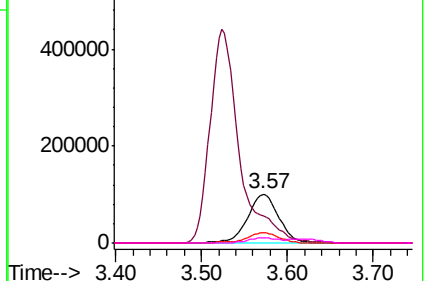


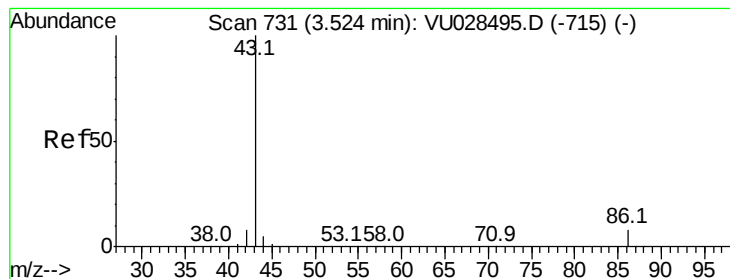
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 263.037 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

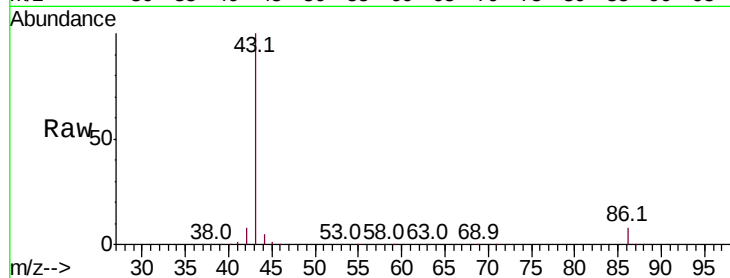
VSTDCCC050EC

Tot Ion: 43 Resp: 1057688

Ion Ratio Lower Upper

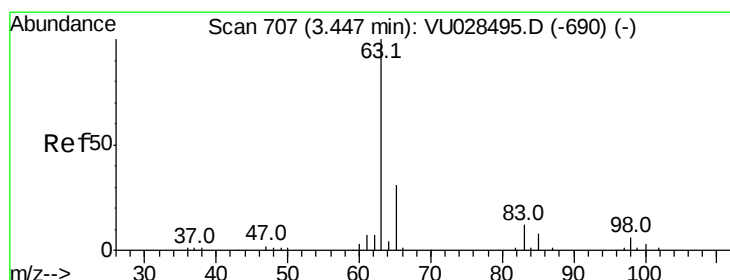
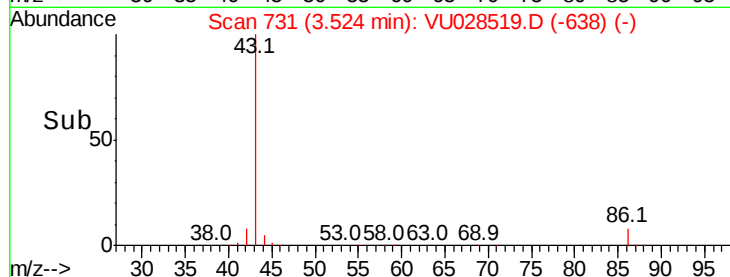
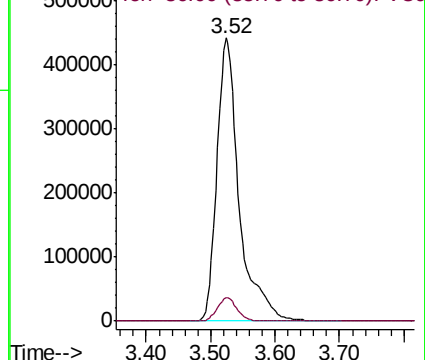
43 100

86 8.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028519.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028519.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 49.803 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

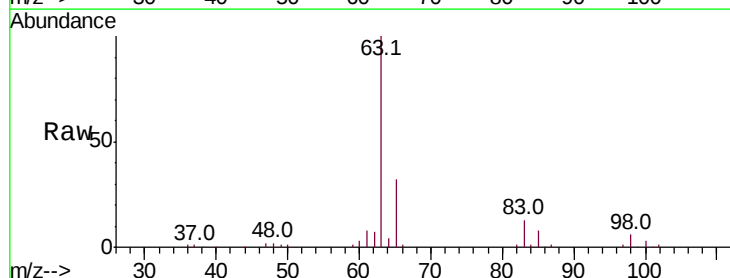
Tgt Ion: 63 Resp: 127089

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

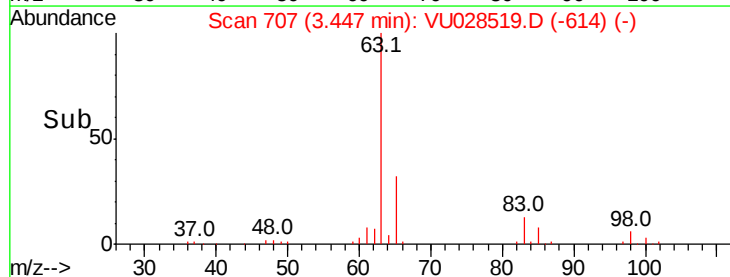
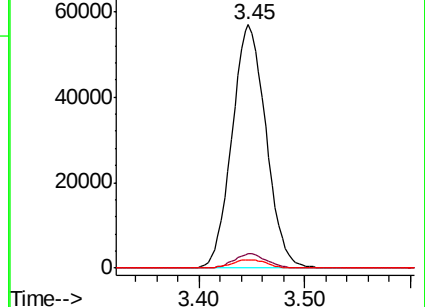
100 3.4 1.7 5.1

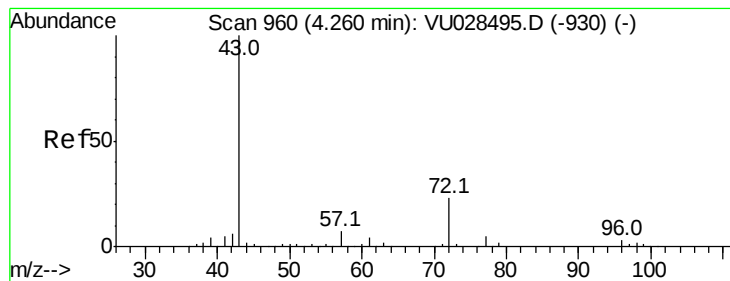


Abundance Ion 62.90 (62.60 to 63.60): VU028519.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028519.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028519.D (-614) (-)





#25

2-Butanone

Concen: 246.759 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

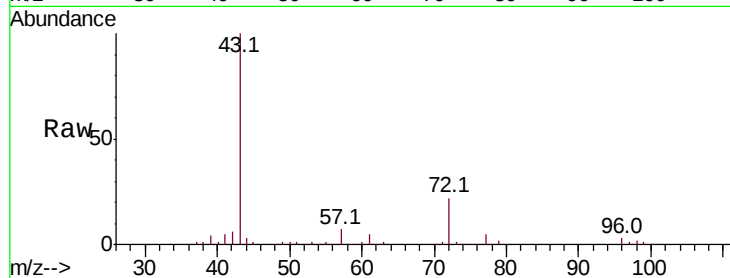
VSTDCCC050EC

Tot Ion: 43 Resp: 319614

Ion Ratio Lower Upper

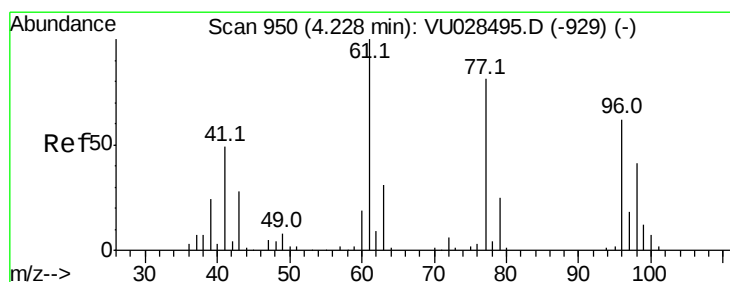
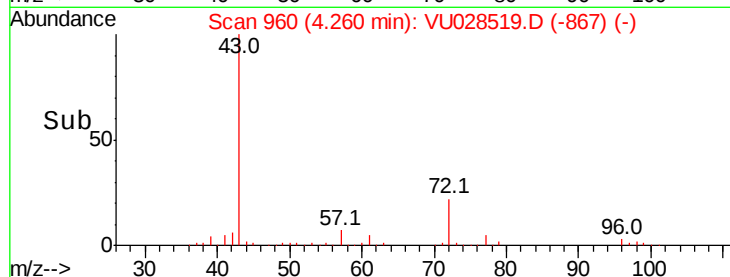
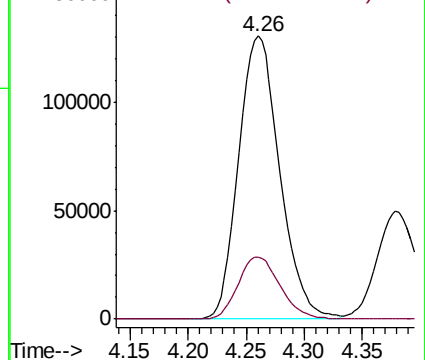
43 100

72 22.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 46.260 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028519.D

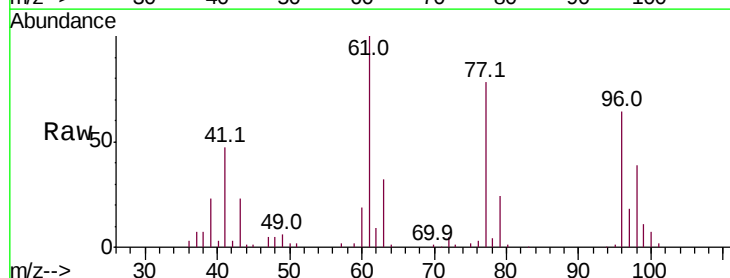
Acq: 06 Dec 2018 22:23

Tgt Ion: 77 Resp: 93536

Ion Ratio Lower Upper

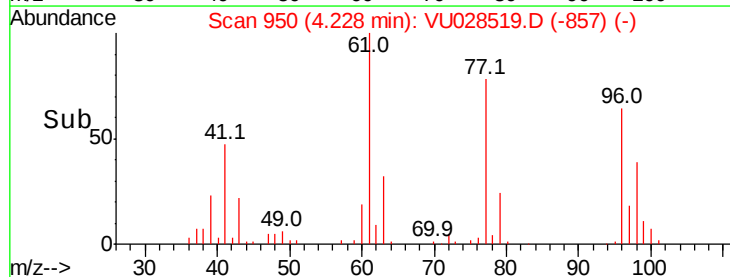
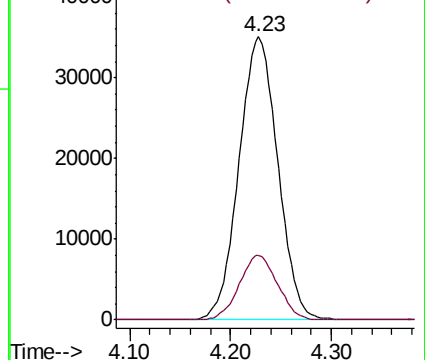
77 100

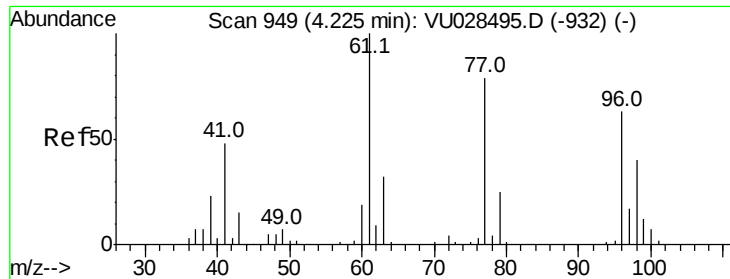
97 22.4 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

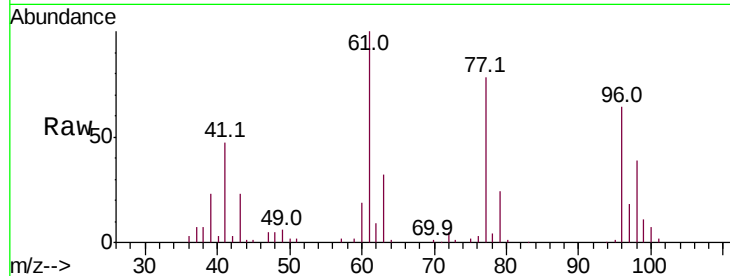




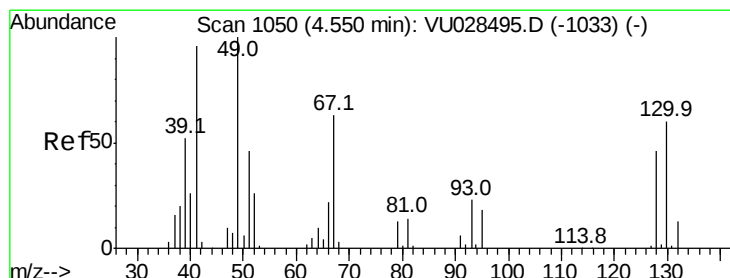
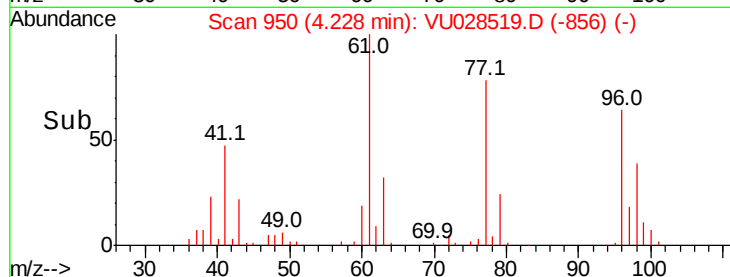
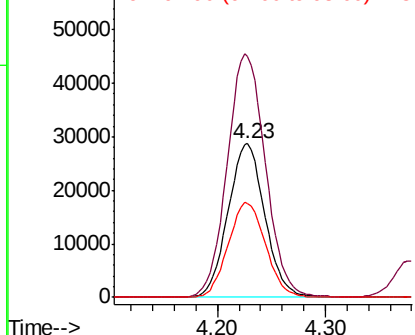
#27
 cis-1,2-Dichloroethene
 Concen: 50.468 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 68153
 Ion Ratio Lower Upper
 96 100
 61 164.9 0.0 332.4
 98 62.8 0.0 129.0

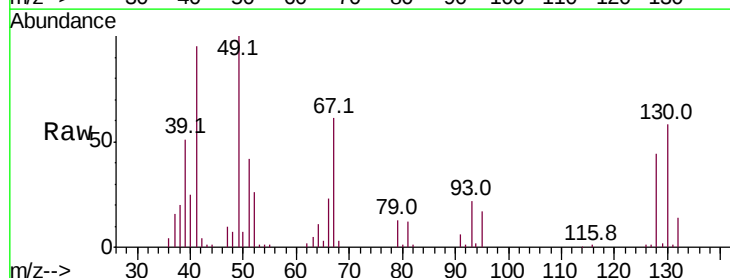


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

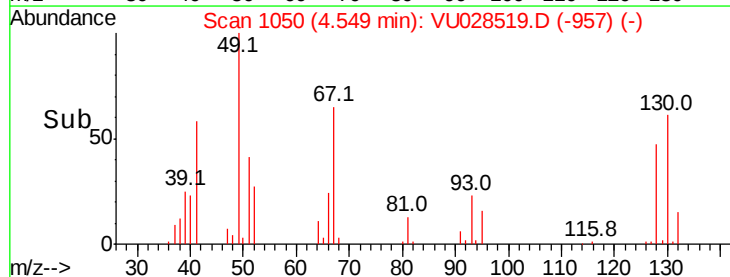
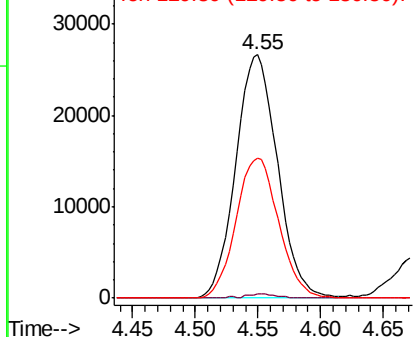


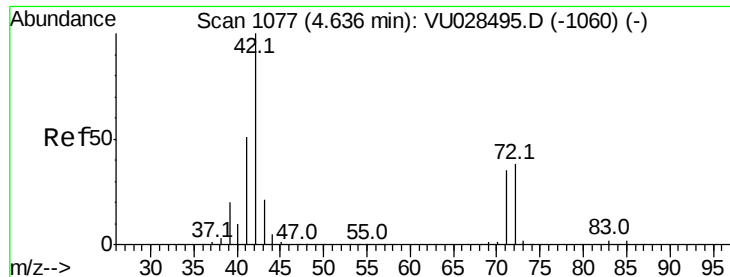
#28
 Bromochloromethane
 Concen: 53.246 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion: 49 Resp: 61769
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 3.0
 130 58.6 47.8 71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 265.299 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

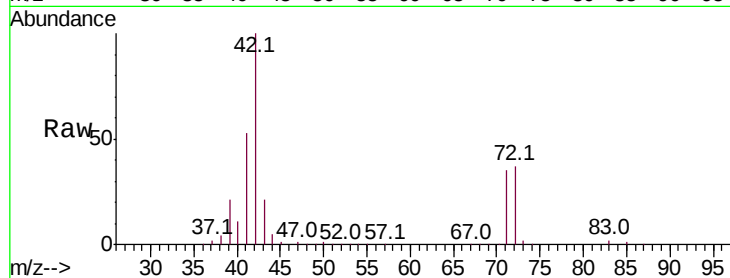
Tot Ion: 42 Resp: 220691

Ion Ratio Lower Upper

42 100

72 37.7 31.4 47.0

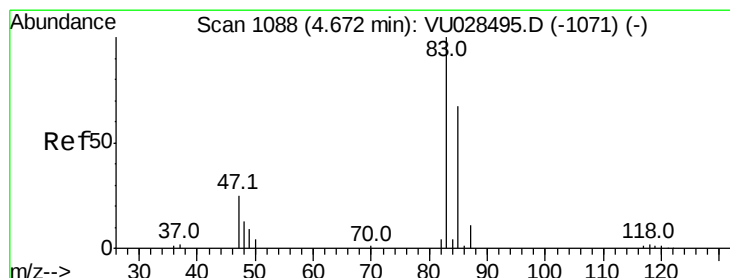
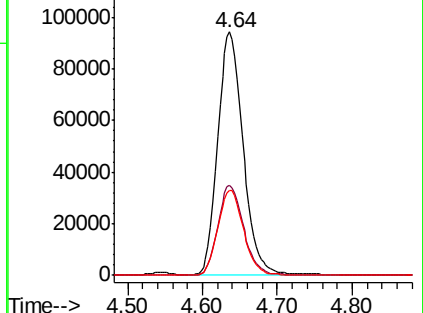
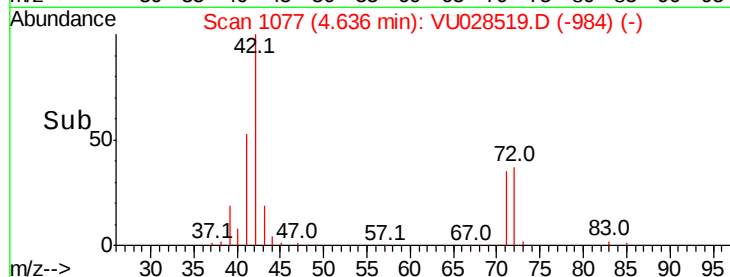
71 35.7 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 50.880 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028519.D

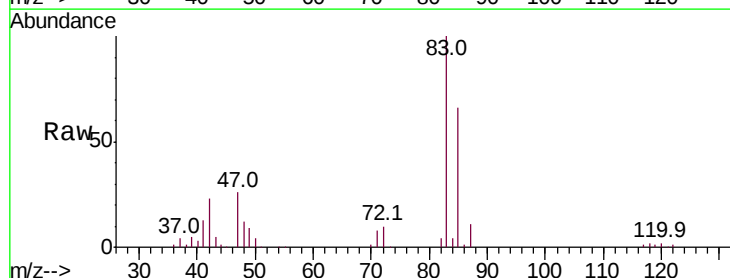
Acq: 06 Dec 2018 22:23

Tgt Ion: 83 Resp: 113161

Ion Ratio Lower Upper

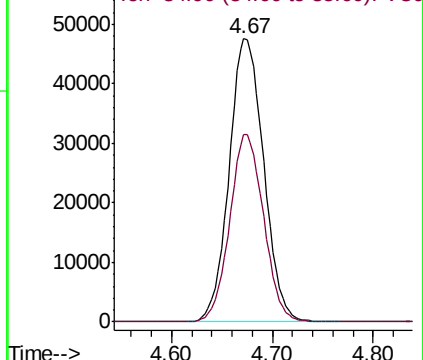
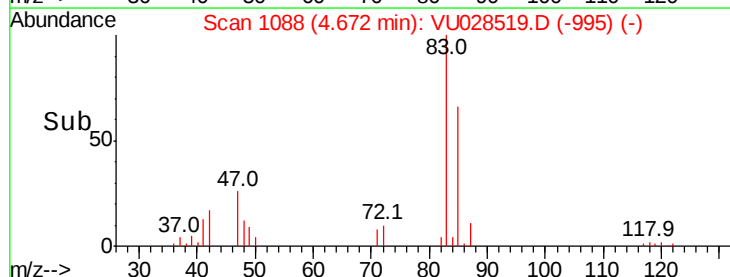
83 100

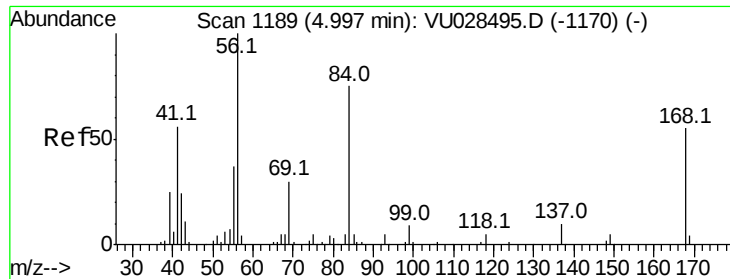
85 66.3 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

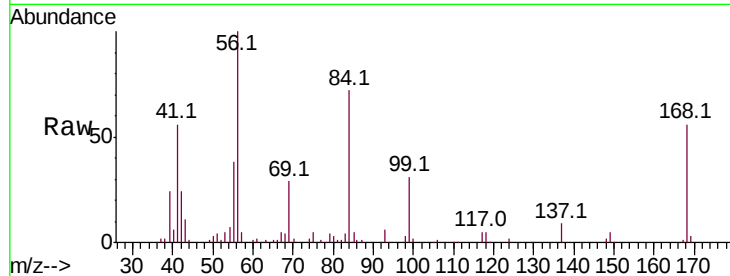




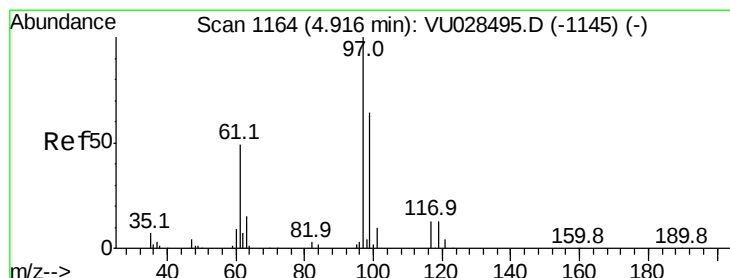
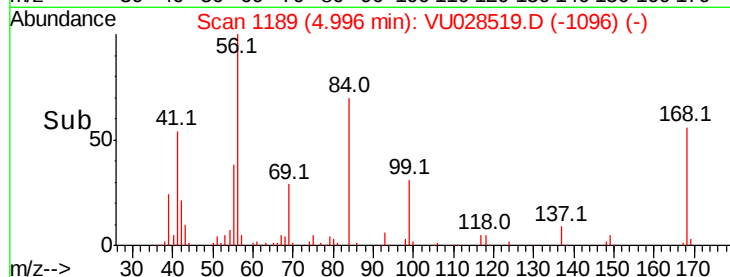
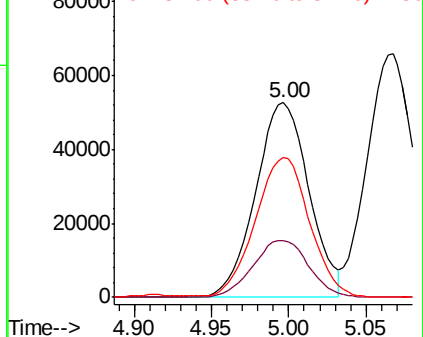
#31
Cyclohexane
Concen: 50.811 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 126482
Ion Ratio Lower Upper
56 100
69 29.0 24.0 36.0
84 71.2 59.7 89.5

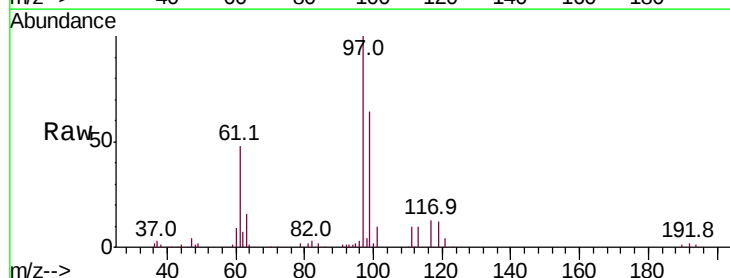


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

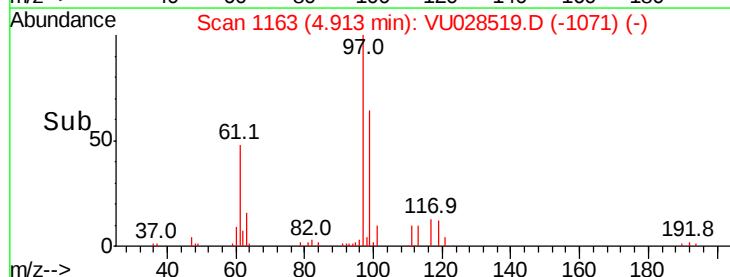
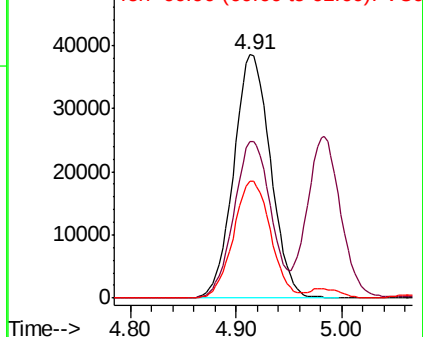


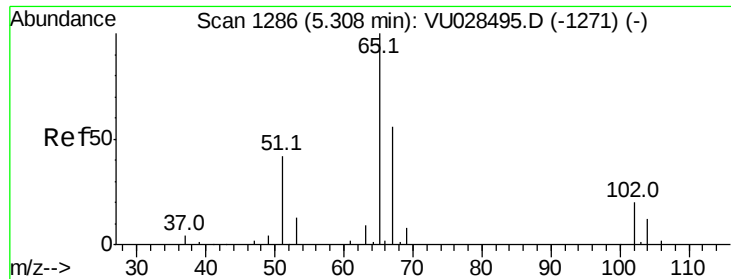
#32
1,1,1-Trichloroethane
Concen: 50.441 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 97 Resp: 93174
Ion Ratio Lower Upper
97 100
99 65.2 52.3 78.5
61 48.6 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

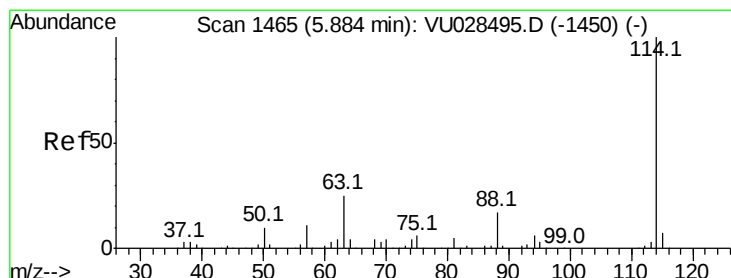
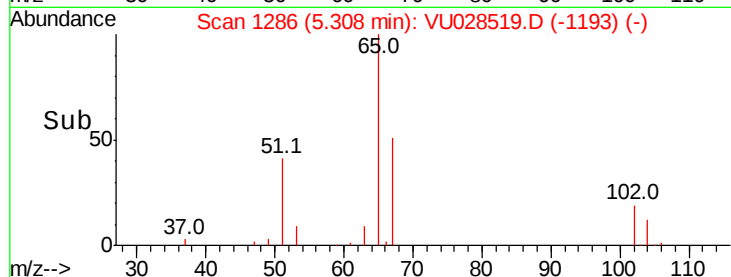
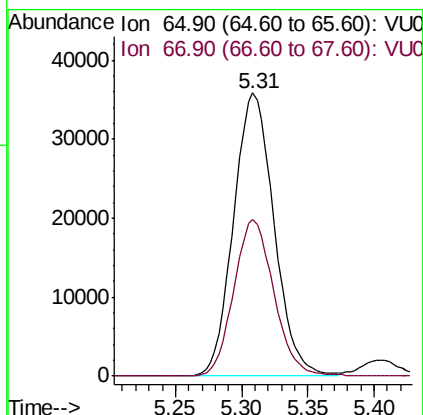
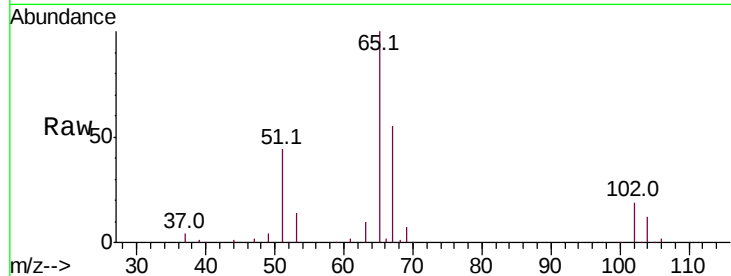




#33
 1,2-Dichloroethane-d4
 Concen: 52.495 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

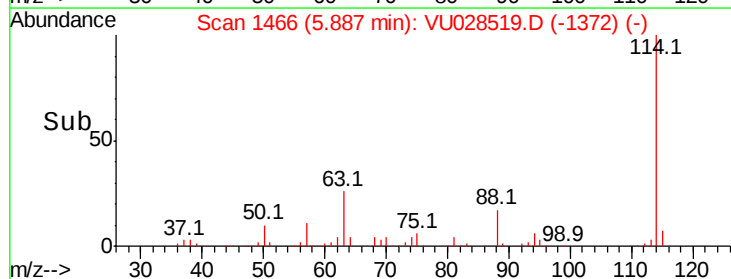
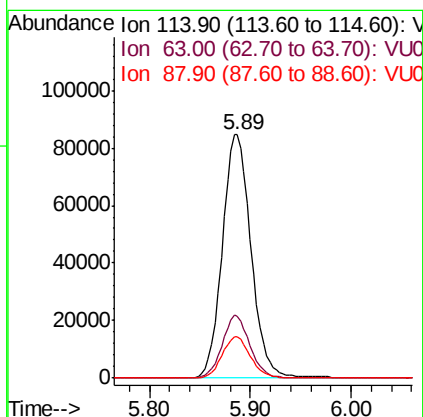
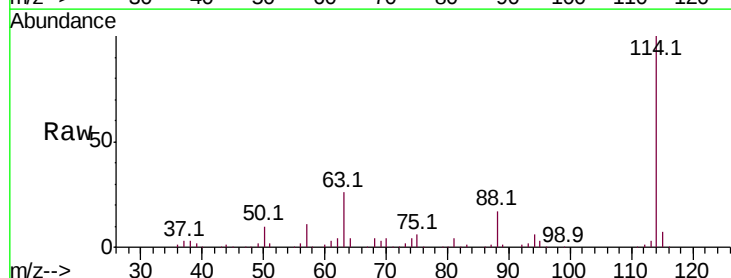
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

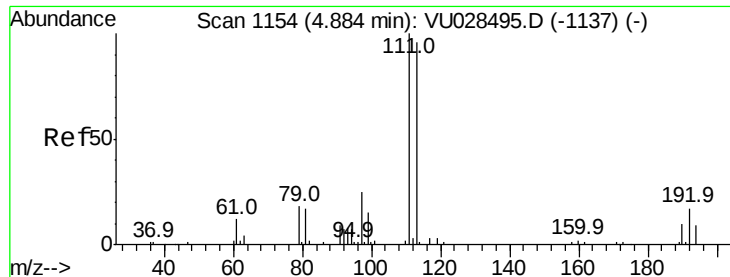
Tot Ion: 65 Resp: 76246
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion: 114 Resp: 168411
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 49.2
 88 17.1 0.0 33.4

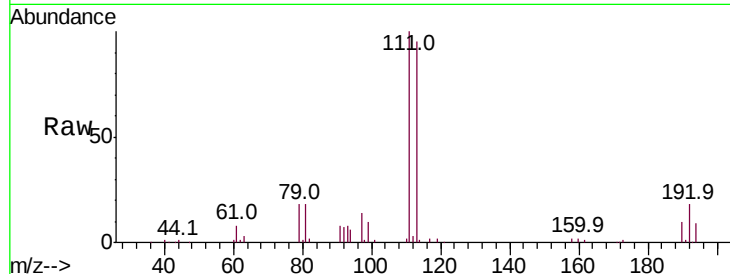




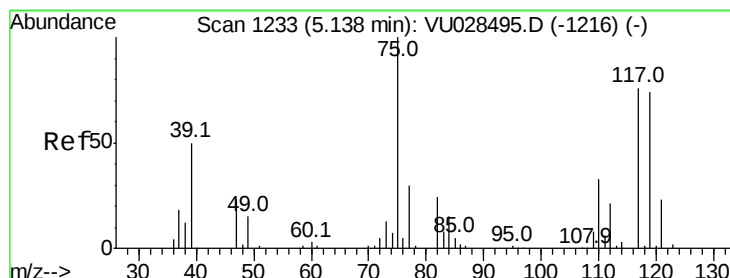
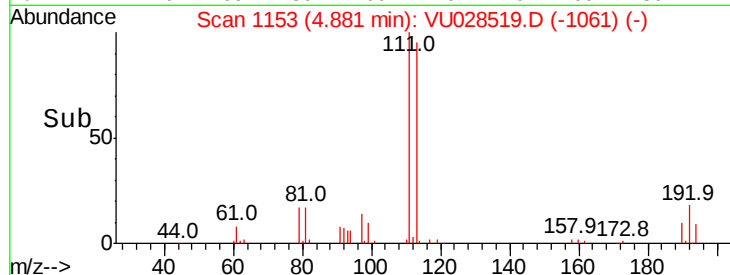
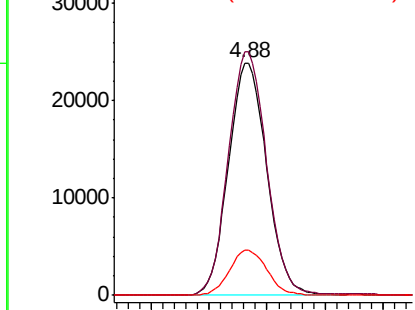
#35
 Dibromofluoromethane
 Concen: 51.545 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 54629
 Ion Ratio Lower Upper
 113 100
 111 104.6 83.4 125.0
 192 18.9 14.8 22.2

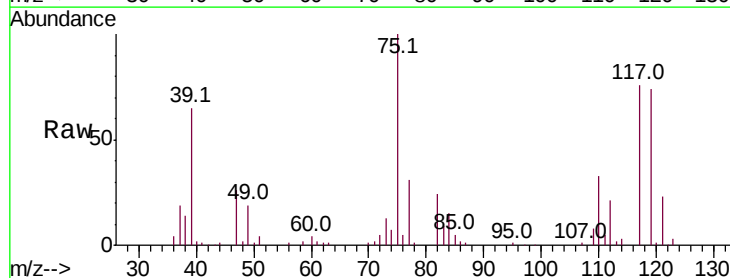


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

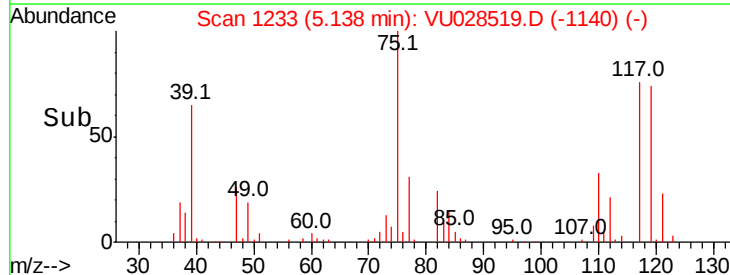
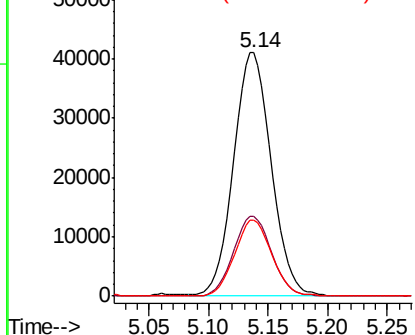


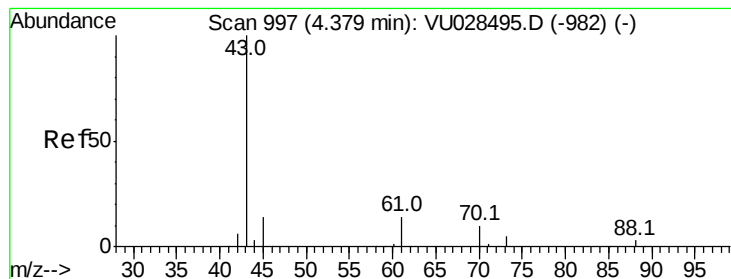
#36
 1,1-Dichloropropene
 Concen: 48.456 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion: 75 Resp: 89300
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.1 48.2
 77 31.1 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 51.287 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

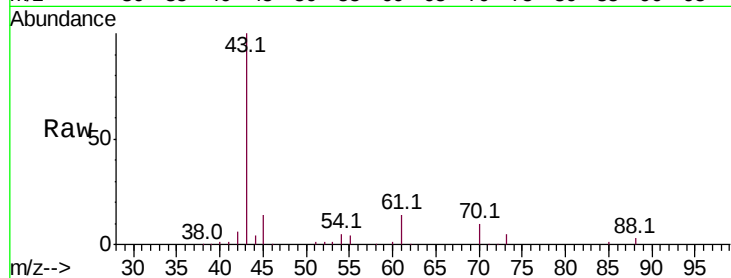
Tot Ion: 43 Resp: 122183

Ion Ratio Lower Upper

43 100

61 13.8 11.0 16.4

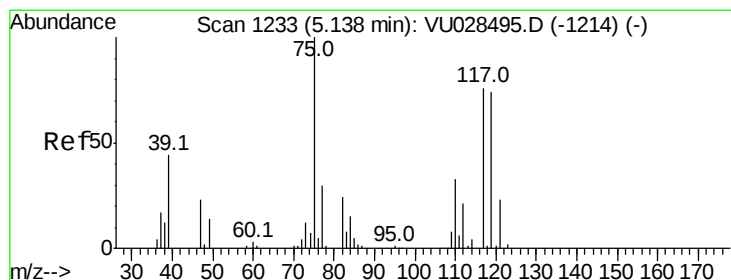
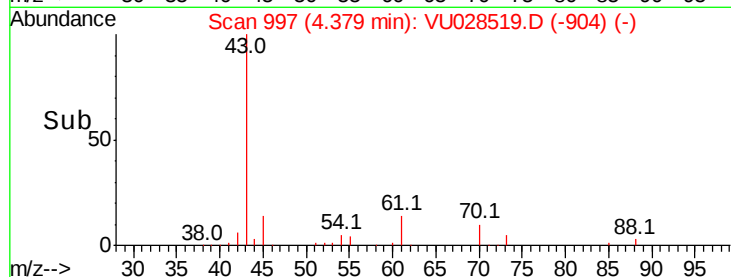
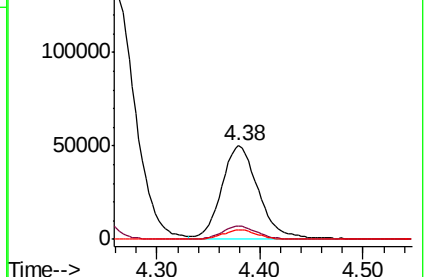
70 9.6 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 49.876 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

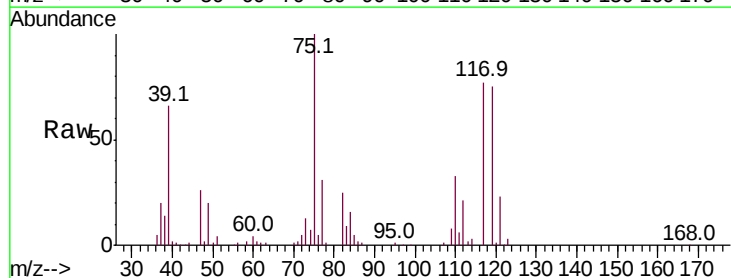
Tgt Ion: 117 Resp: 74084

Ion Ratio Lower Upper

117 100

119 97.2 77.6 116.4

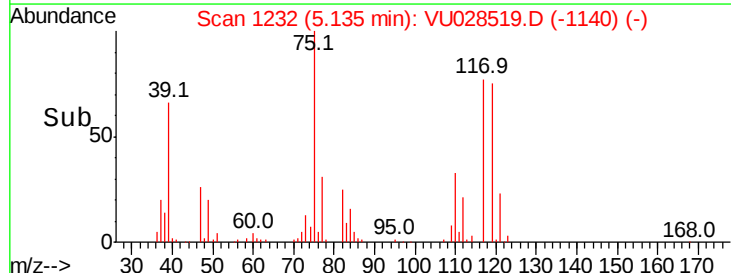
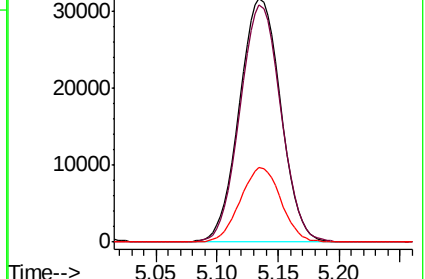
121 30.5 24.6 36.8

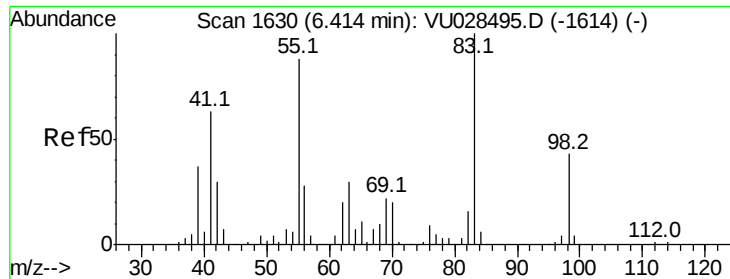


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

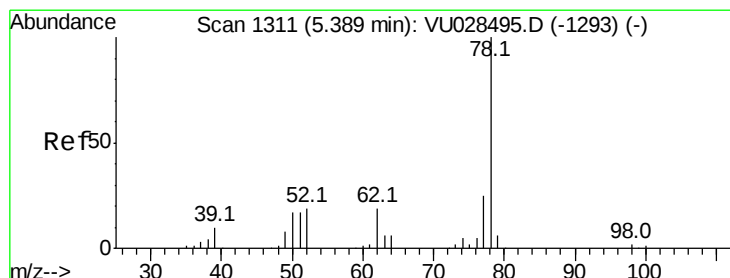
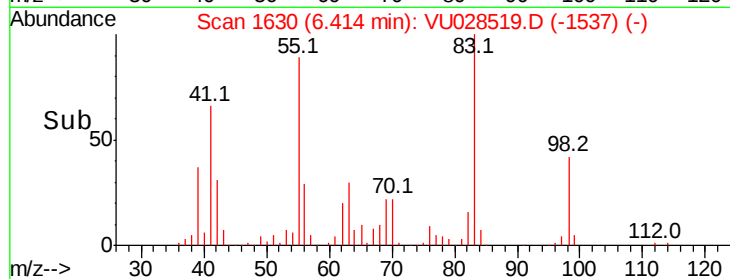
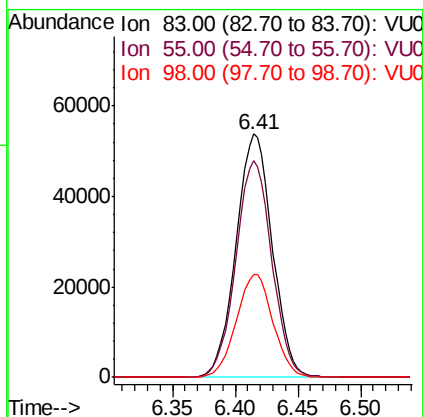
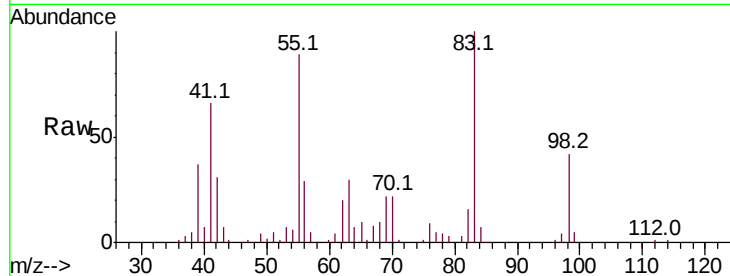




#39
Methvlcvclohexane
Concen: 48.135 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

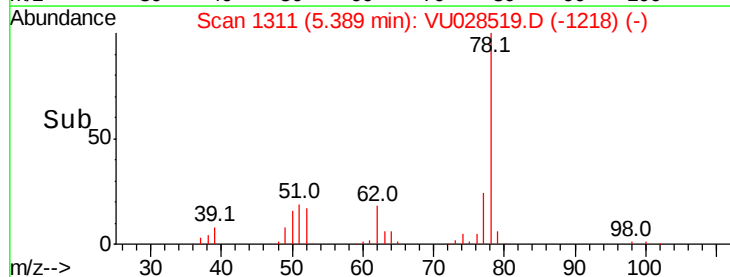
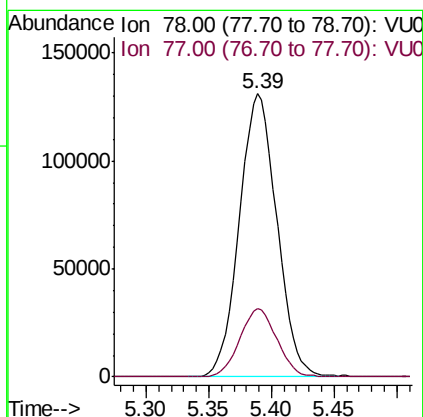
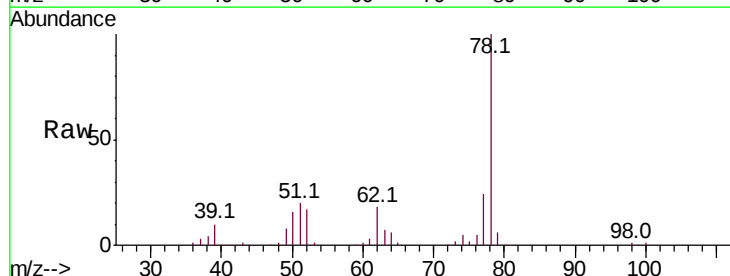
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

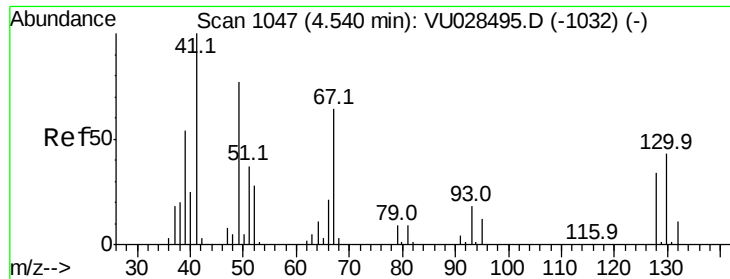
Tot Ion: 83 Resp: 108223
Ion Ratio Lower Upper
83 100
55 88.8 70.2 105.2
98 42.2 34.2 51.4



#40
Benzene
Concen: 50.296 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 78 Resp: 272993
Ion Ratio Lower Upper
78 100
77 24.1 19.9 29.9





#41

Methacrylonitrile

Concen: 53.075 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 69245

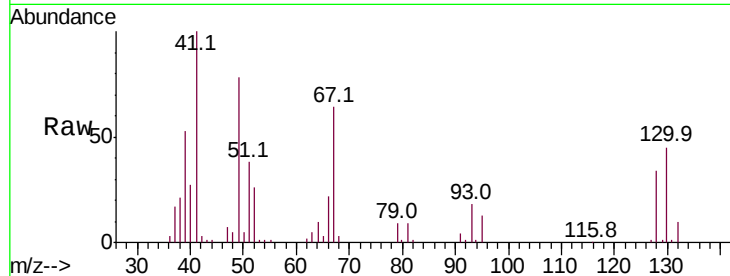
Ion Ratio Lower Upper

41 100

39 54.0 43.3 64.9

67 64.7 53.6 80.4

52 27.4 22.1 33.1

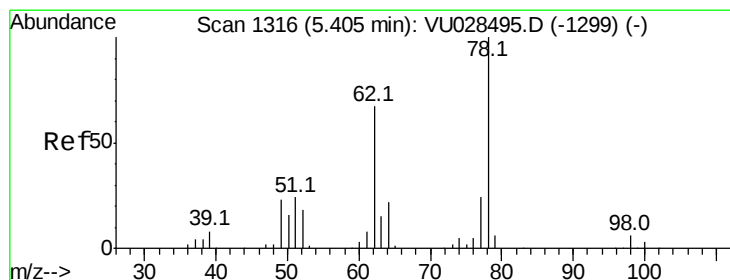
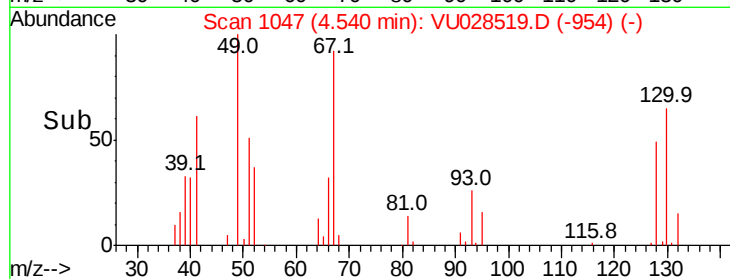
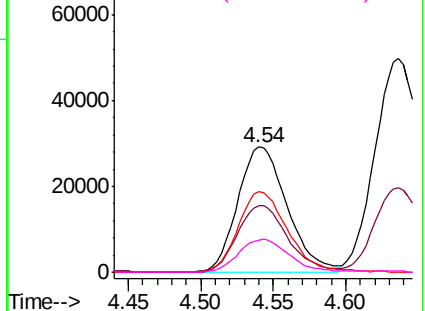


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 50.200 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028519.D

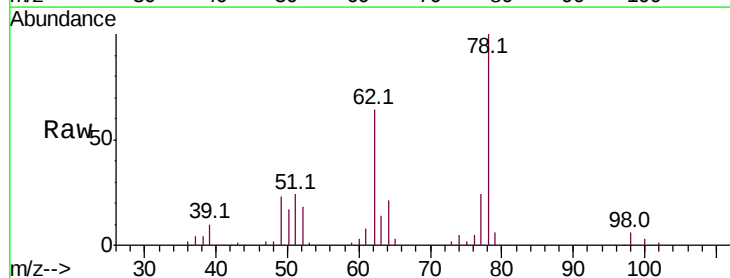
Acq: 06 Dec 2018 22:23

Tgt Ion: 62 Resp: 95376

Ion Ratio Lower Upper

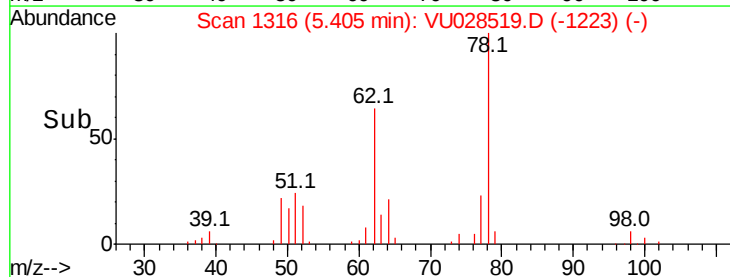
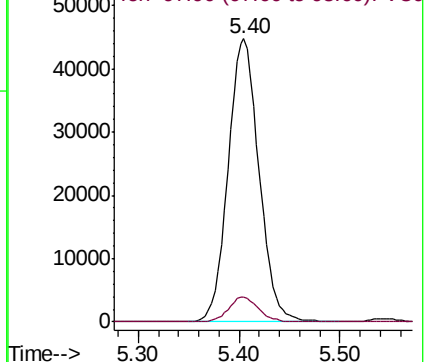
62 100

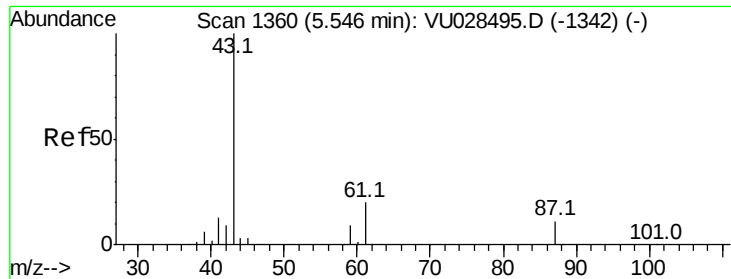
98 8.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 52.299 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

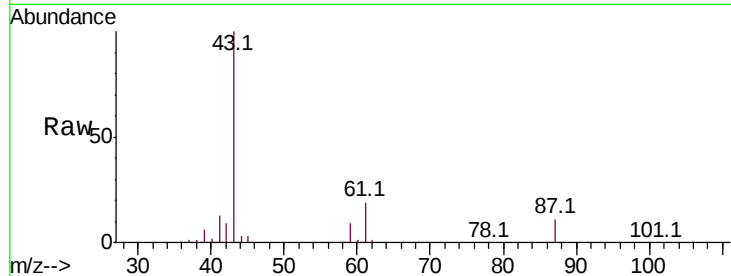
Tot Ion: 43 Resp: 197067

Ion Ratio Lower Upper

43 100

61 18.6 15.5 23.3

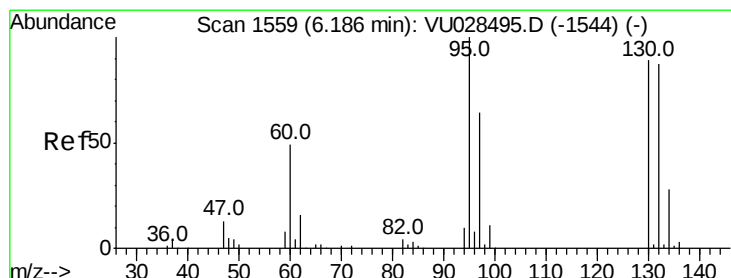
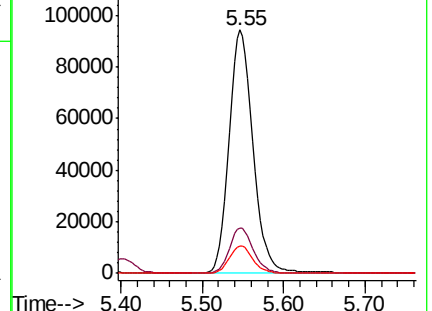
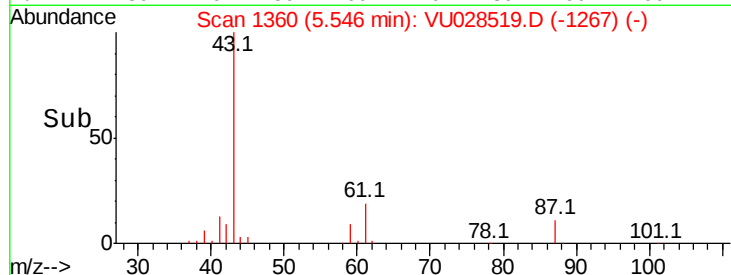
87 11.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028519.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU028519.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU028519.D (-1267) (-)



#44

Trichloroethene

Concen: 49.204 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028519.D

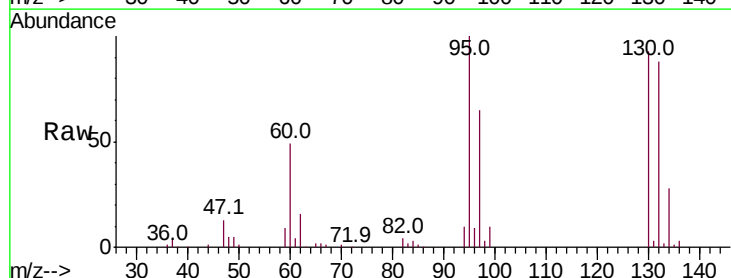
Acq: 06 Dec 2018 22:23

Tgt Ion:130 Resp: 59382

Ion Ratio Lower Upper

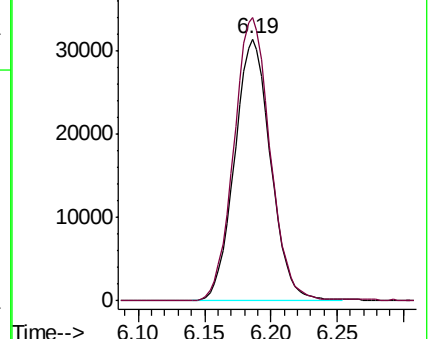
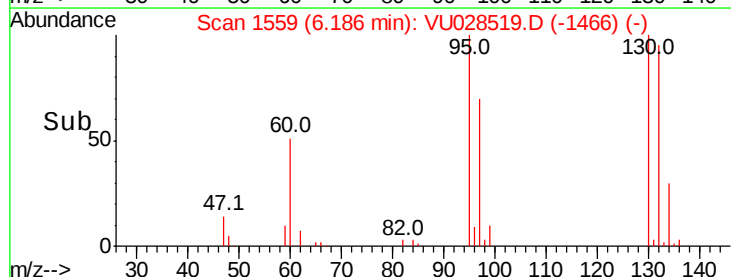
130 100

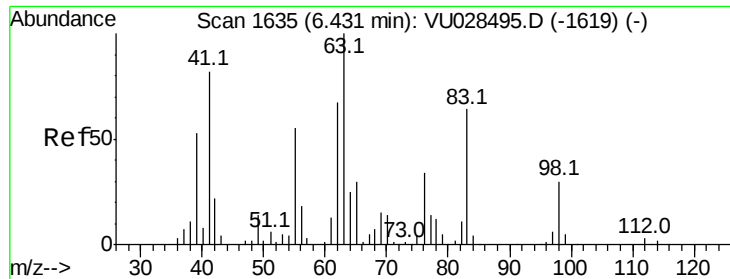
95 108.1 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028519.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU028519.D (-1466) (-)





#45

1,2-Dichloropropane

Concen: 51.601 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

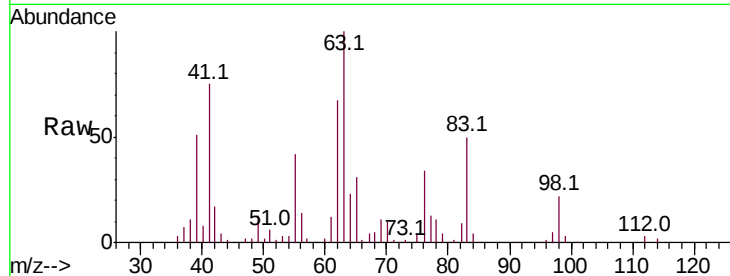
VSTDCCC050EC

Tot Ion: 63 Resp: 78760

Ion Ratio Lower Upper

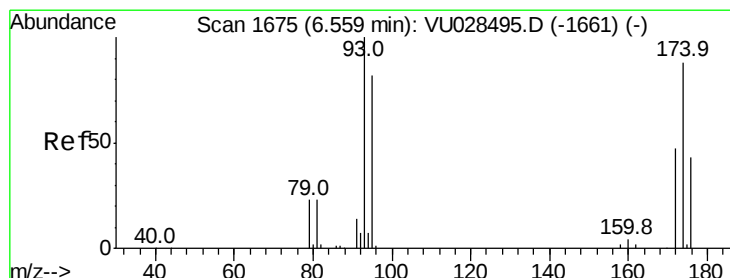
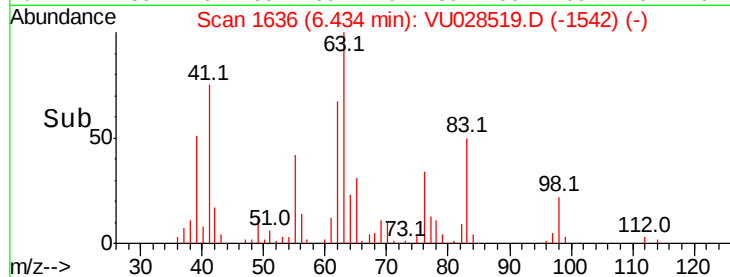
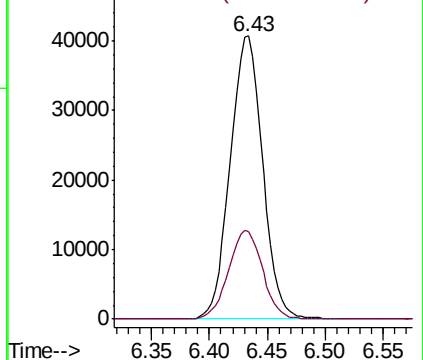
63 100

65 30.8 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 50.155 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

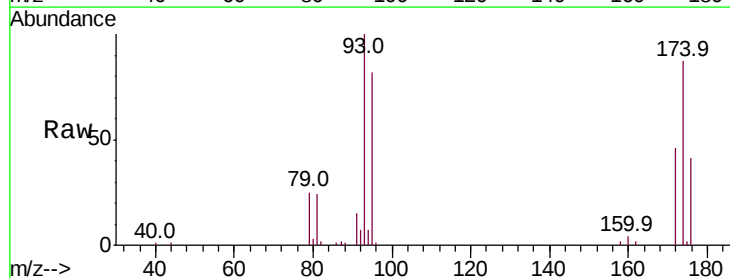
Tgt Ion: 93 Resp: 45421

Ion Ratio Lower Upper

93 100

95 83.7 65.4 98.2

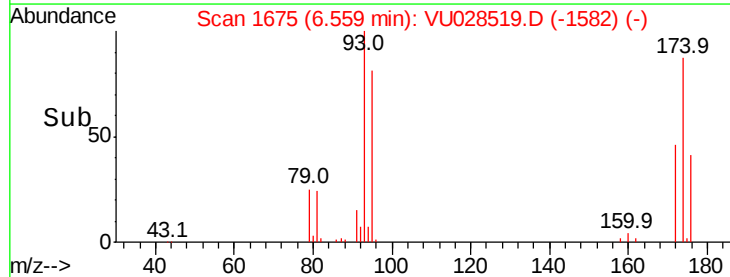
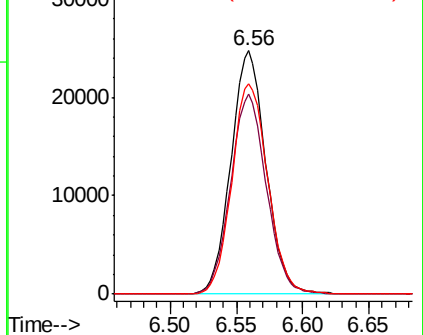
174 88.5 72.2 108.4

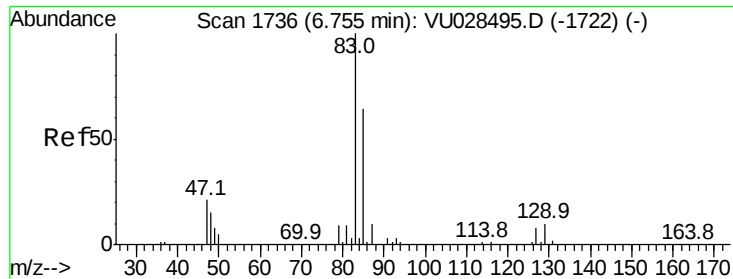


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

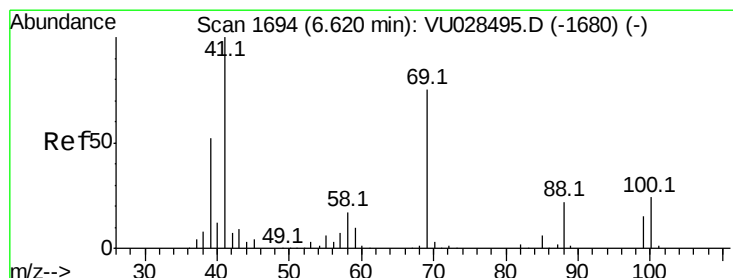
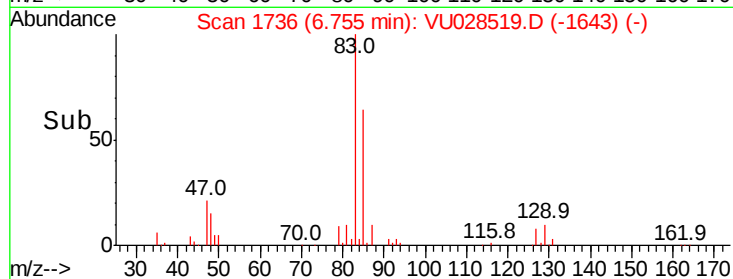
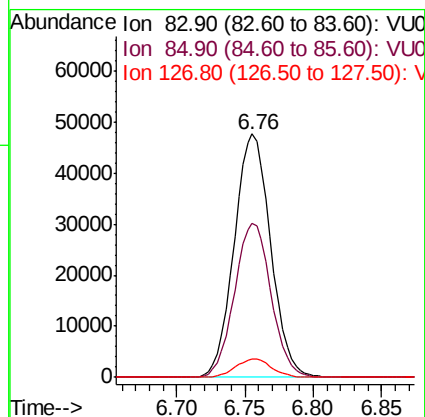
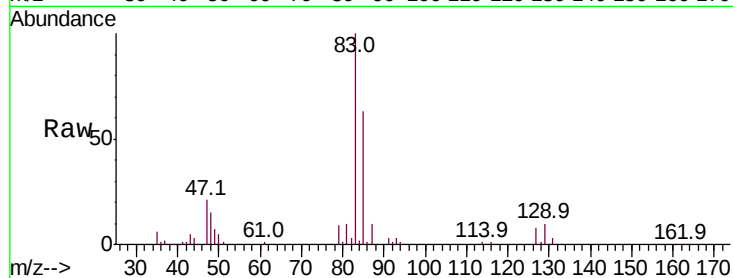




#47
Bromodichloromethane
Concen: 50.206 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

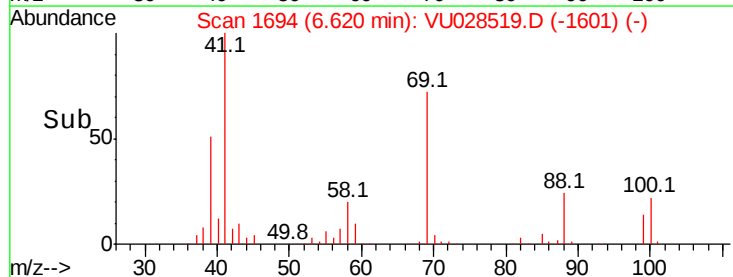
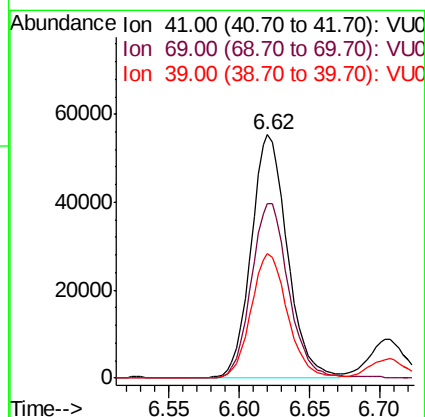
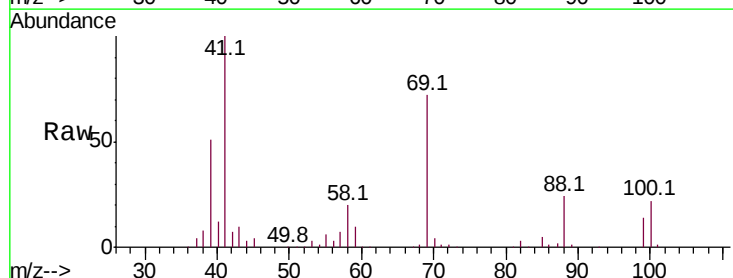
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

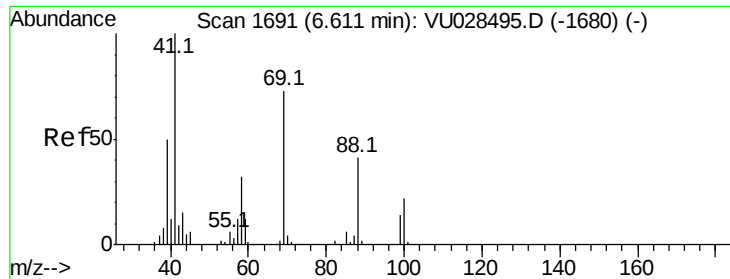
Tot Ion: 83 Resp: 88477
Ion Ratio Lower Upper
83 100
85 63.4 51.5 77.3
127 7.5 6.2 9.4



#48
Methyl methacrylate
Concen: 53.184 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 41 Resp: 99662
Ion Ratio Lower Upper
41 100
69 74.2 60.4 90.6
39 51.6 41.1 61.7

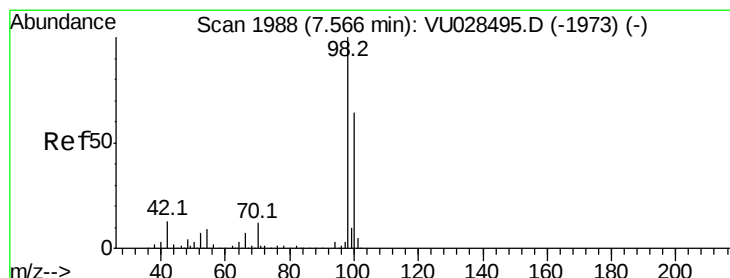
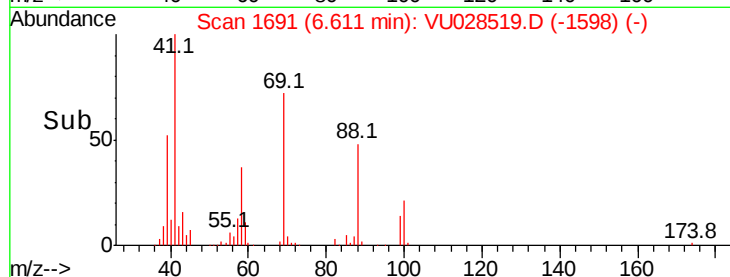
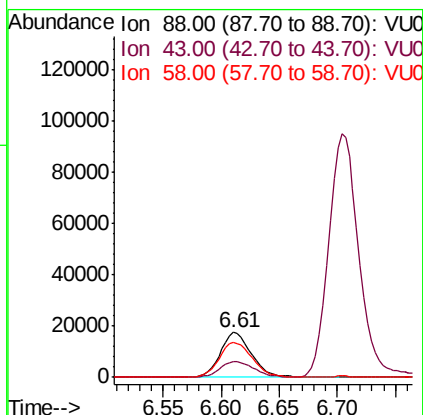
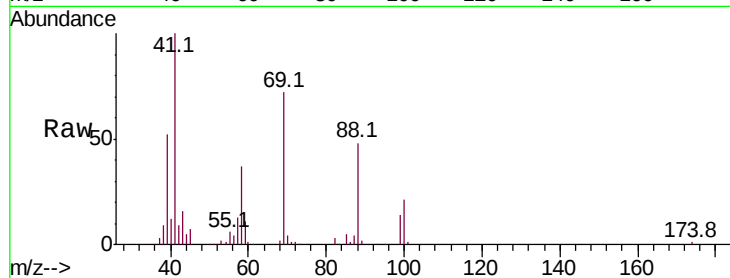




#49
1,4-Dioxane
Concen: 1110.679 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

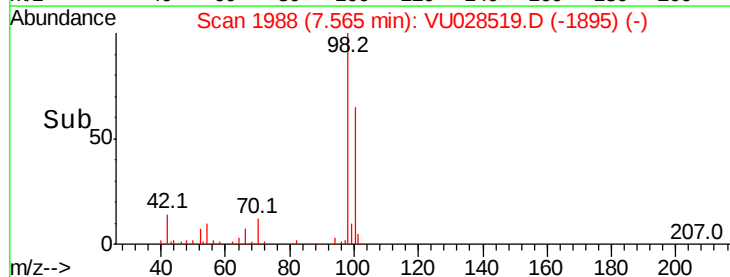
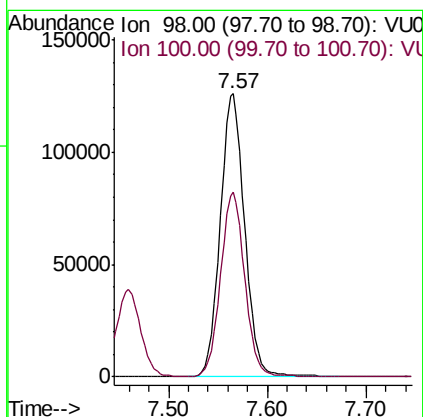
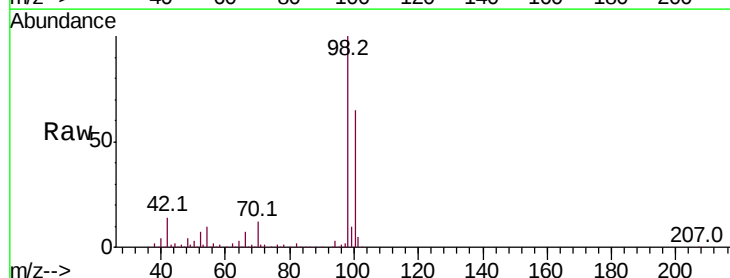
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

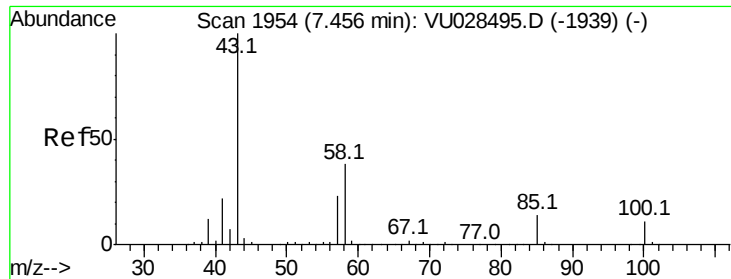
Tot Ion: 88 Resp: 32863
Ion Ratio Lower Upper
88 100
43 38.4 30.9 46.3
58 82.6 62.4 93.6



#50
Toluene-d8
Concen: 52.401 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 98 Resp: 219688
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 260.591 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

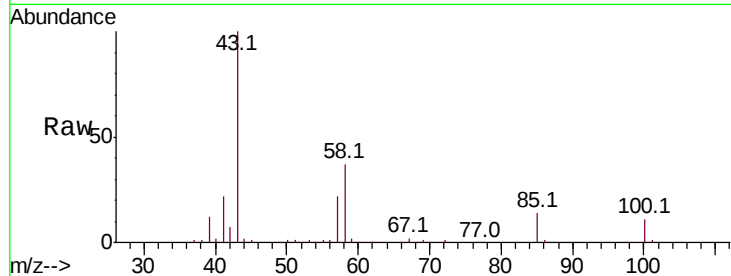
VSTDCCC050EC

Tot Ion: 43 Resp: 619319

Ion Ratio Lower Upper

43 100

58 36.9 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

400000

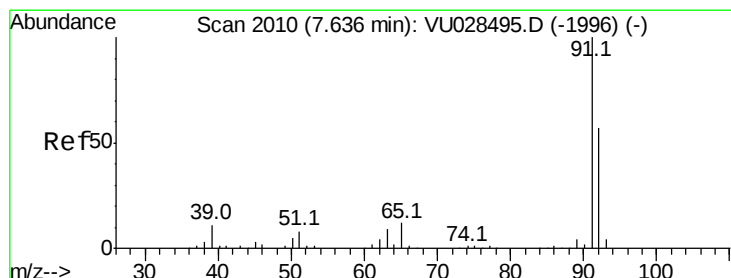
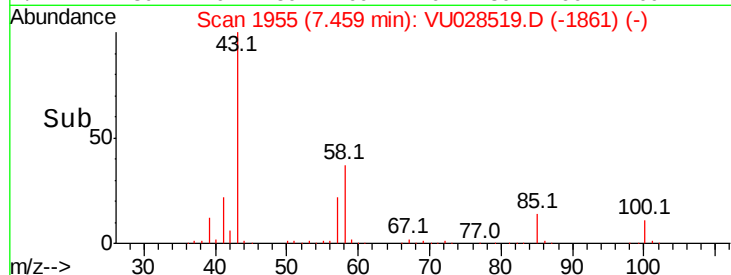
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.572 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028519.D

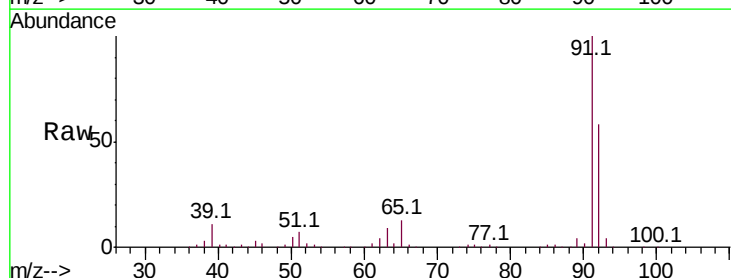
Acq: 06 Dec 2018 22:23

Tgt Ion: 92 Resp: 161546

Ion Ratio Lower Upper

92 100

91 174.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

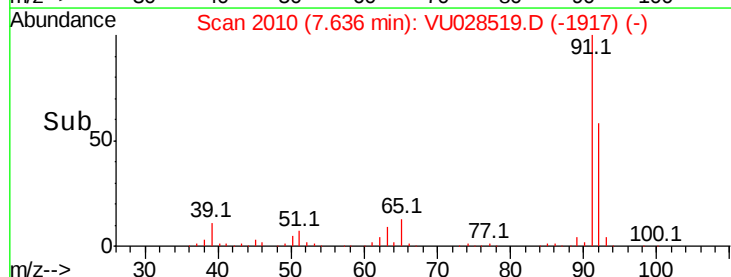
150000

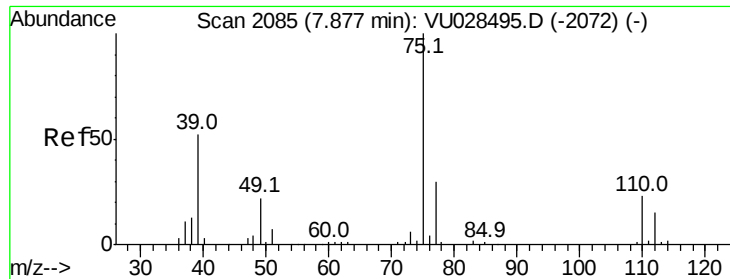
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.695 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

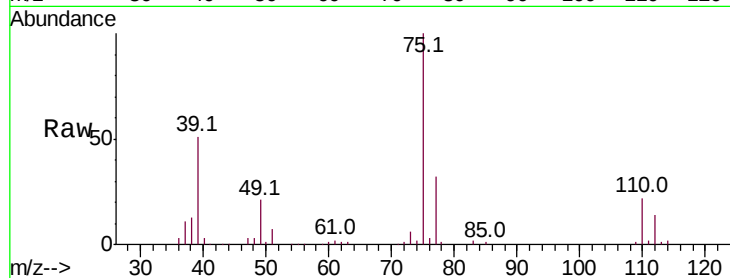
VSTDCCC050EC

Tot Ion: 75 Resp: 106401

Ion Ratio Lower Upper

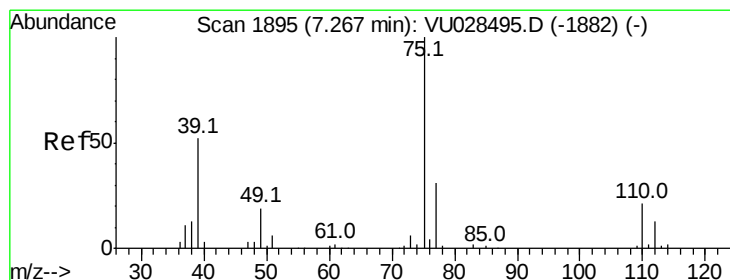
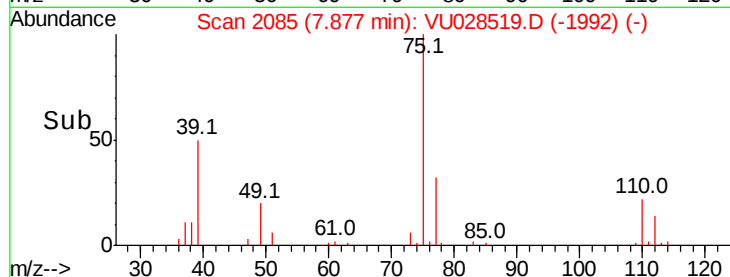
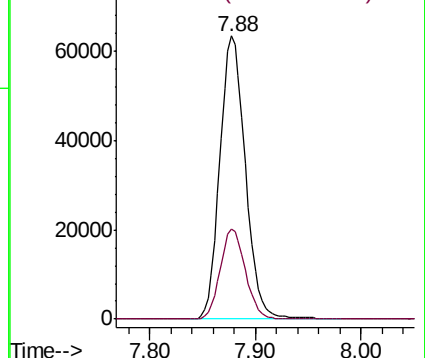
75 100

77 31.9 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 49.917 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

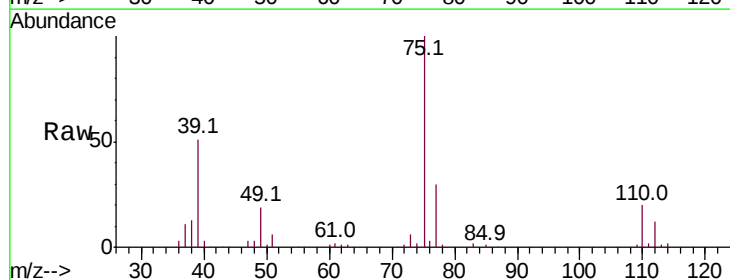
Tgt Ion: 75 Resp: 113666

Ion Ratio Lower Upper

75 100

77 30.3 25.0 37.4

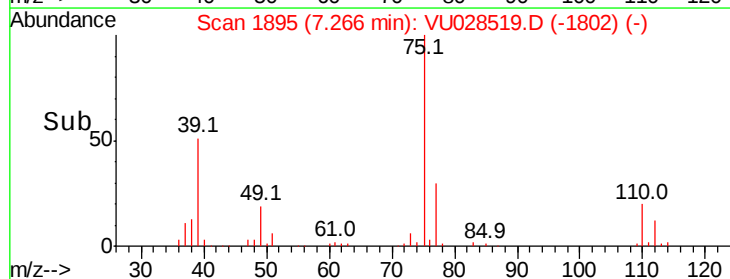
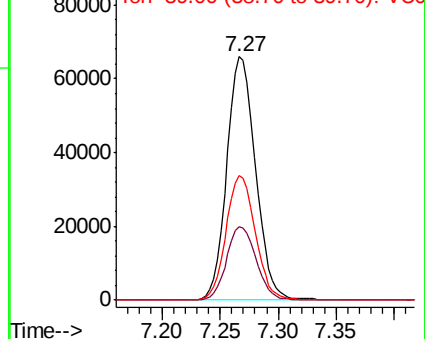
39 51.1 41.3 61.9

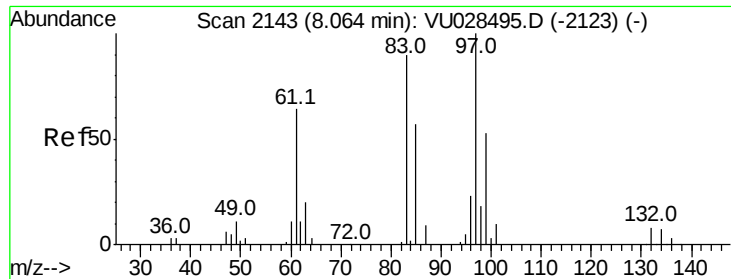


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 50.642 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 63945

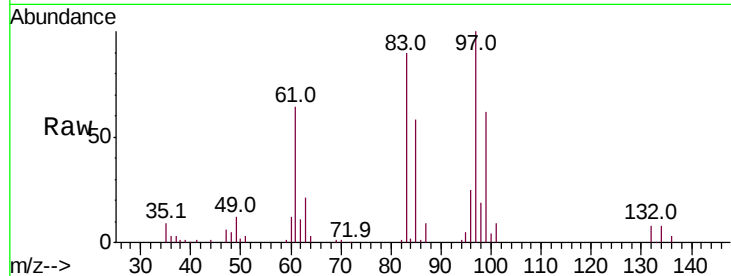
Ion Ratio Lower Upper

97 100

83 90.5 72.4 108.6

85 58.4 46.0 69.0

99 61.6 47.4 71.2

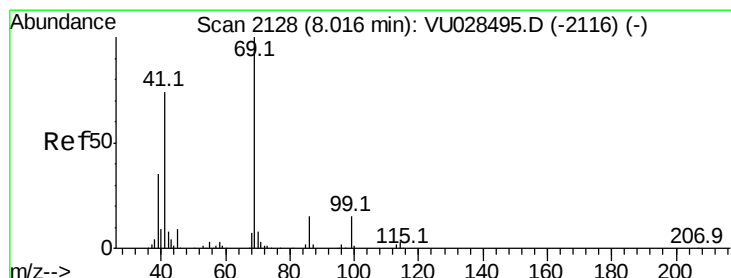
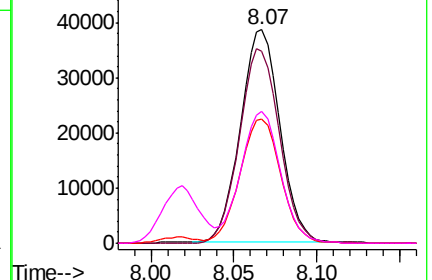
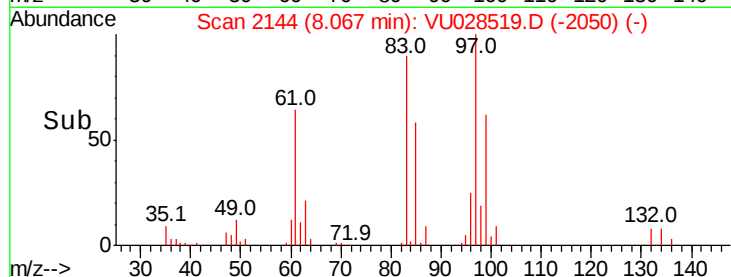


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 50.898 ug/l

RT: 8.02 min Scan# 2128

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

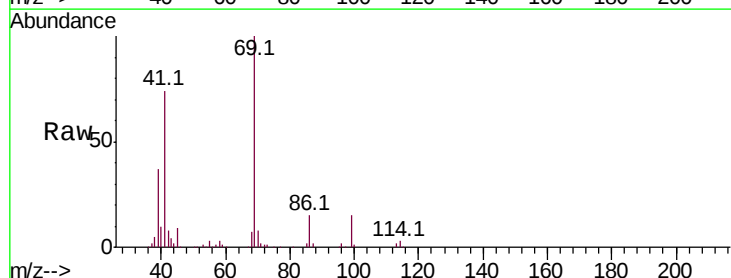
Tgt Ion: 69 Resp: 110057

Ion Ratio Lower Upper

69 100

41 75.4 59.1 88.7

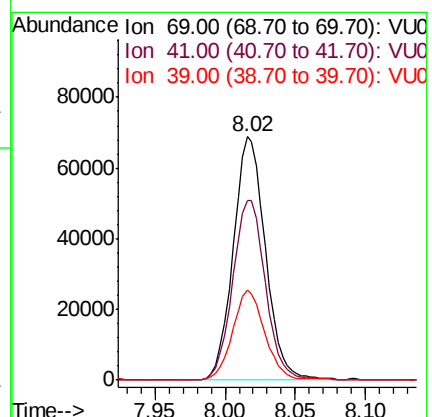
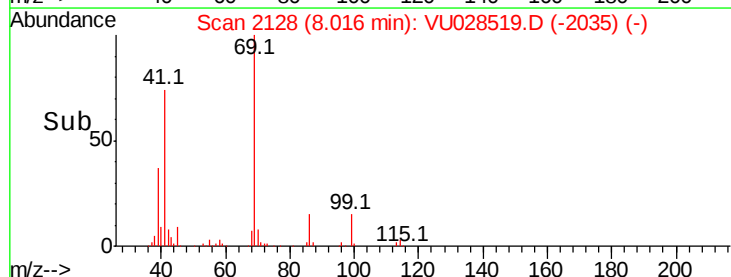
39 37.6 28.4 42.6

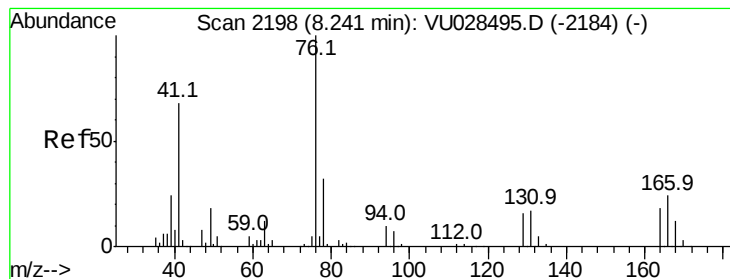


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 49.892 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

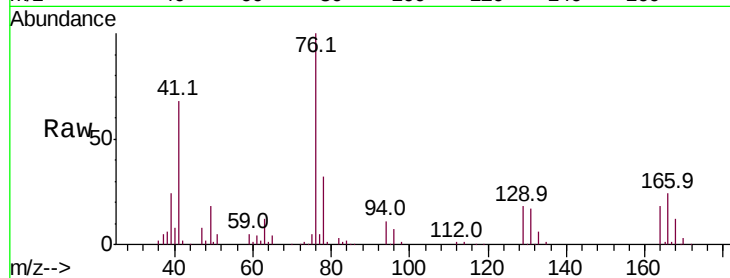
VSTDCCC050EC

Tot Ion: 76 Resp: 116943

Ion Ratio Lower Upper

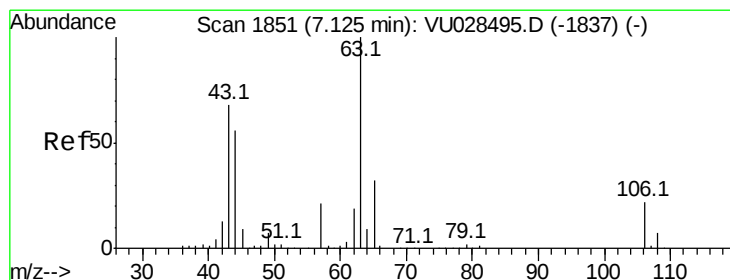
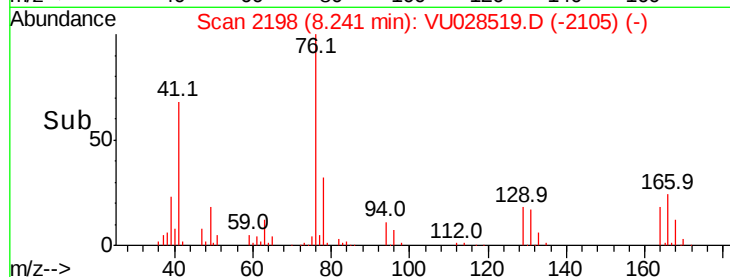
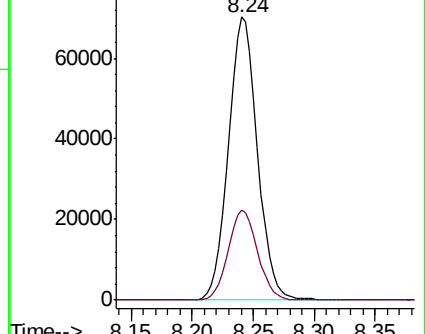
76 100

78 32.2 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 254.174 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028519.D

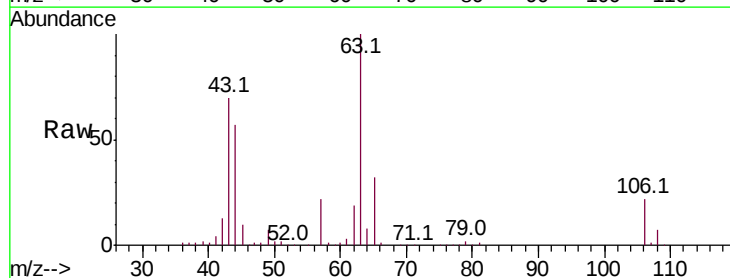
Acq: 06 Dec 2018 22:23

Tgt Ion: 63 Resp: 281508

Ion Ratio Lower Upper

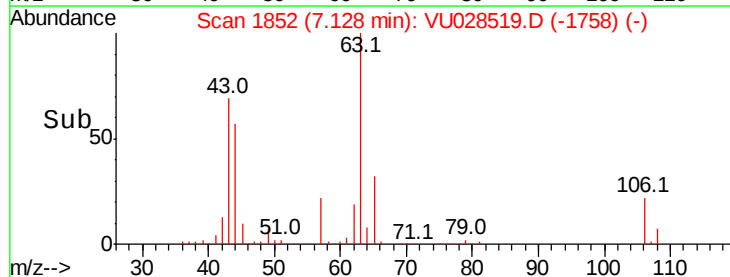
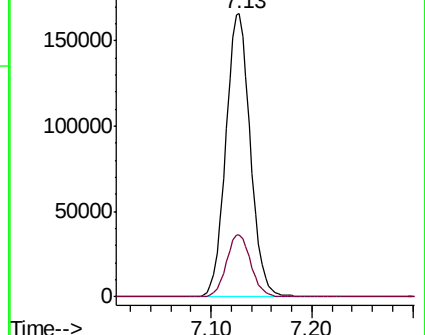
63 100

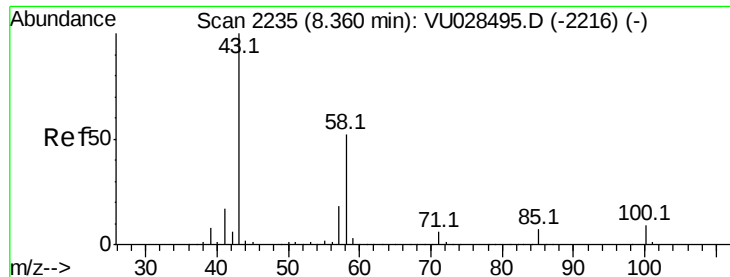
106 21.9 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

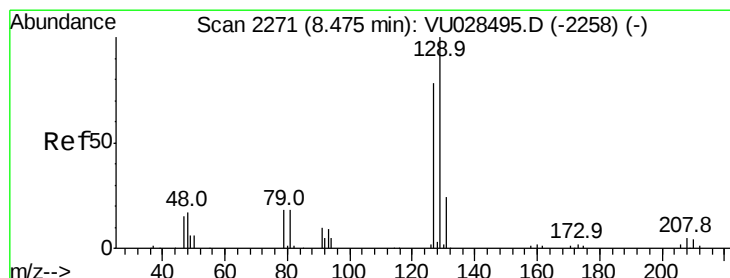
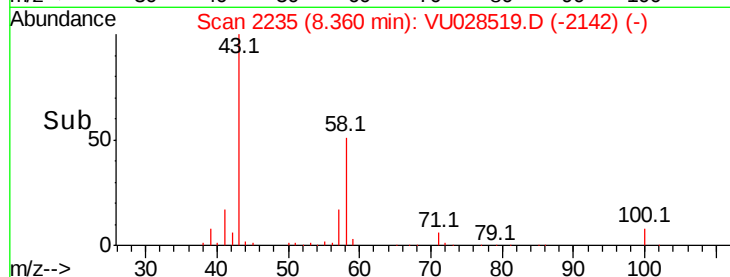
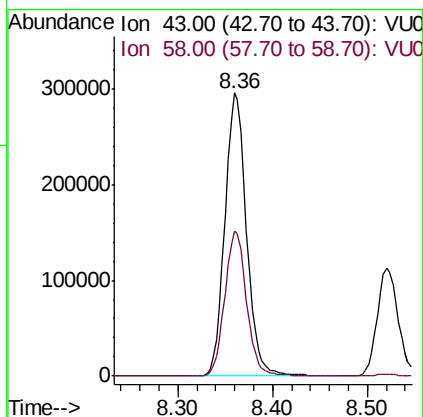
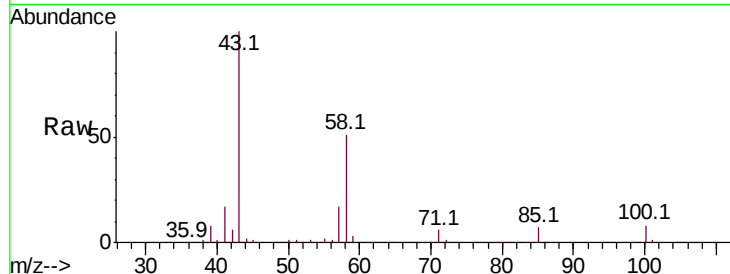




#59
2-Hexanone
Concen: 250.127 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

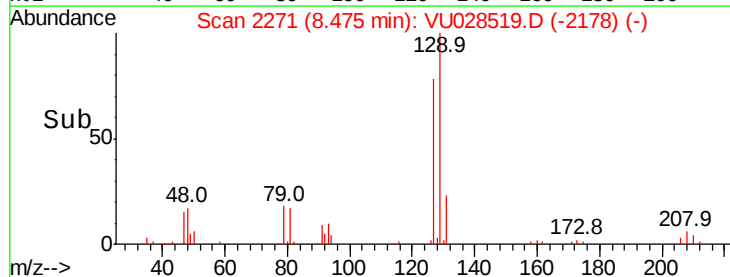
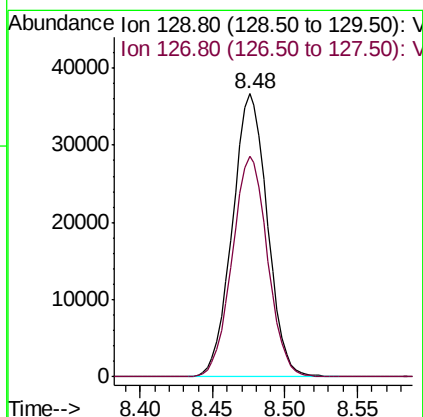
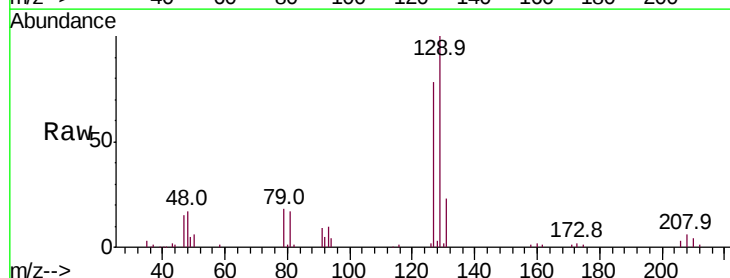
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

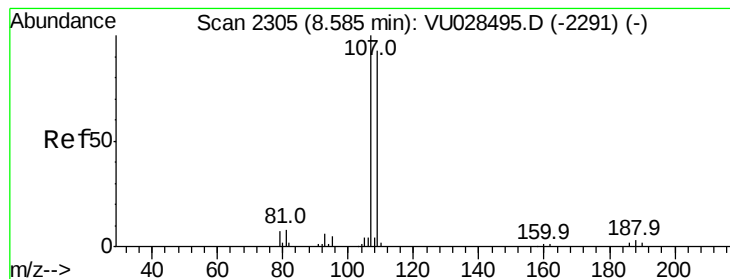
Tot Ion: 43 Resp: 471165
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.6



#60
Dibromochloromethane
Concen: 49.635 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 129 Resp: 61362
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 51.921 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

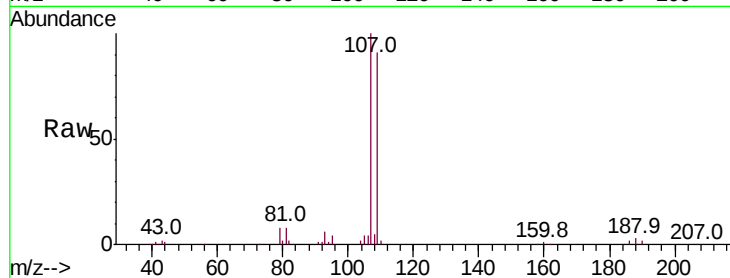
VSTDCCC050EC

Tot Ion:107 Resp: 68751

Ion Ratio Lower Upper

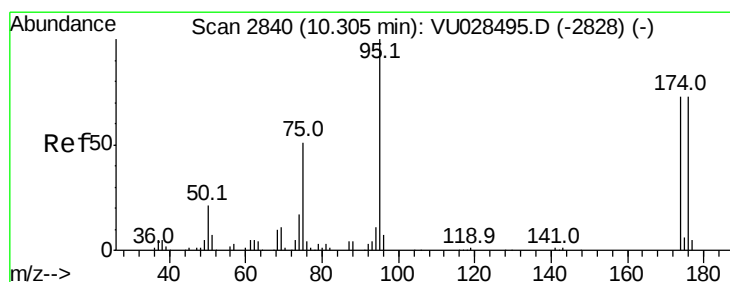
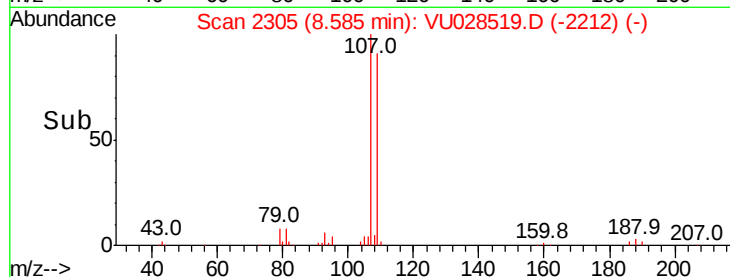
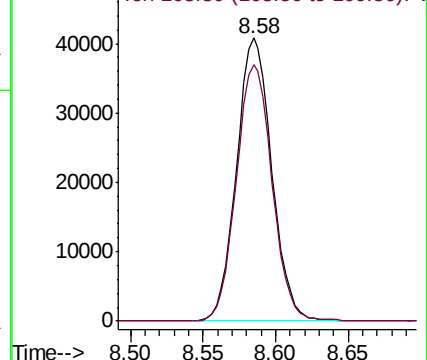
107 100

109 92.1 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.758 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

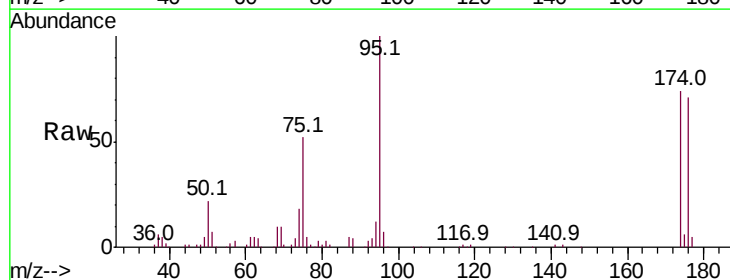
Tgt Ion: 95 Resp: 82671

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.4

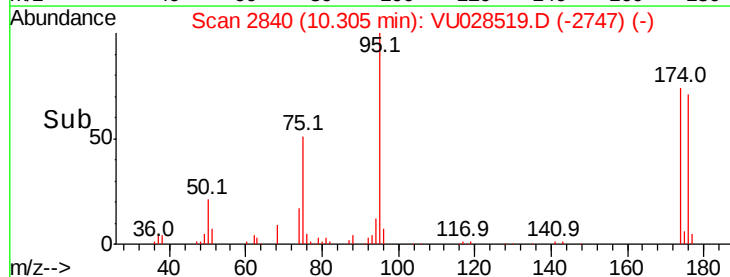
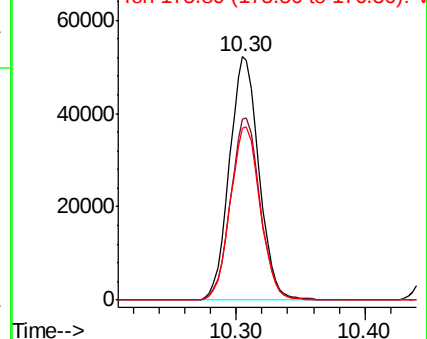
176 72.2 0.0 145.2

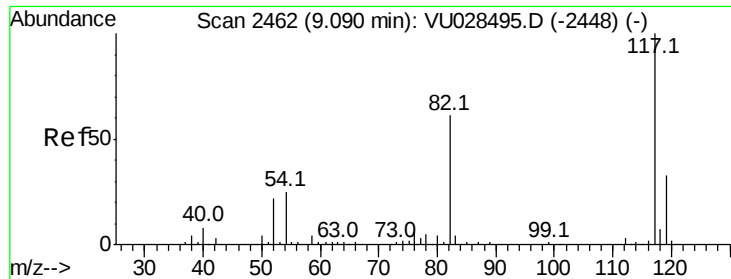


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

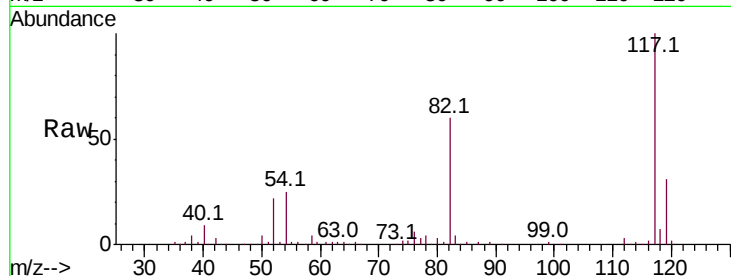




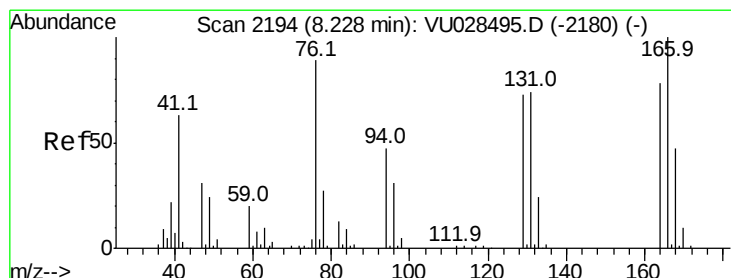
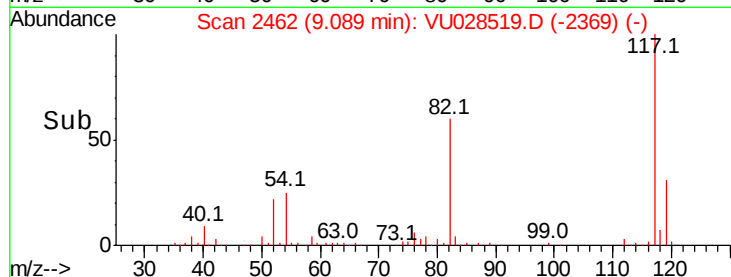
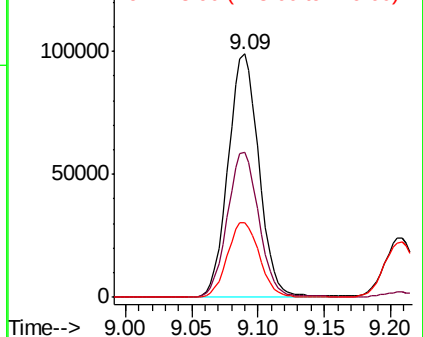
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 159995
Ion Ratio Lower Upper
117 100
82 59.8 48.9 73.3
119 30.6 26.2 39.4

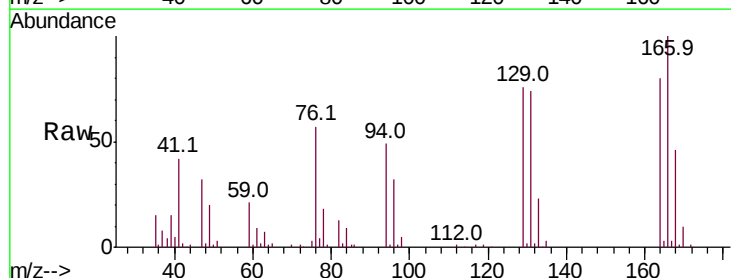


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU
Ion 118.90 (118.60 to 119.60): V

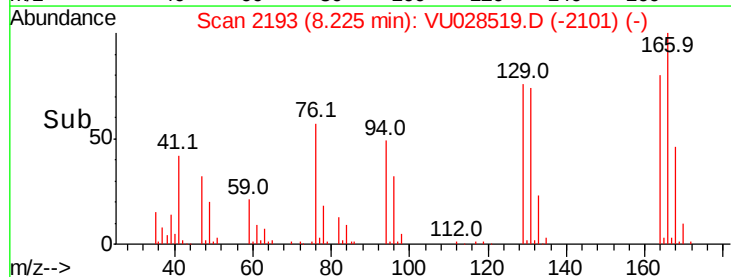
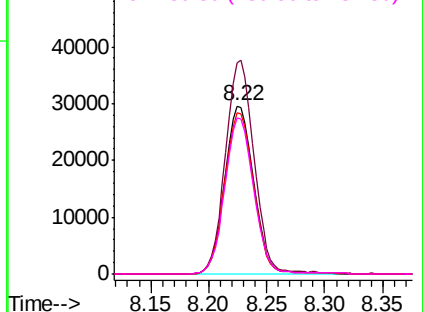


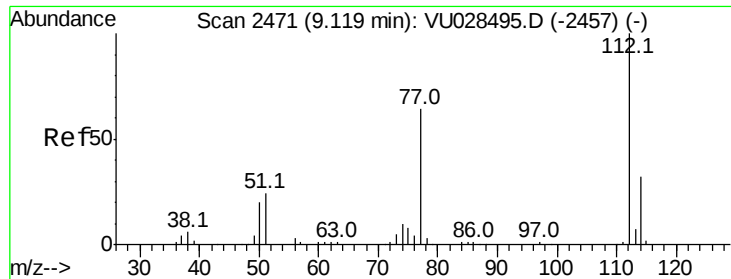
#64
Tetrachloroethene
Concen: 47.921 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion:164 Resp: 51142
Ion Ratio Lower Upper
164 100
166 125.5 101.9 152.9
129 95.8 74.9 112.3
131 92.6 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

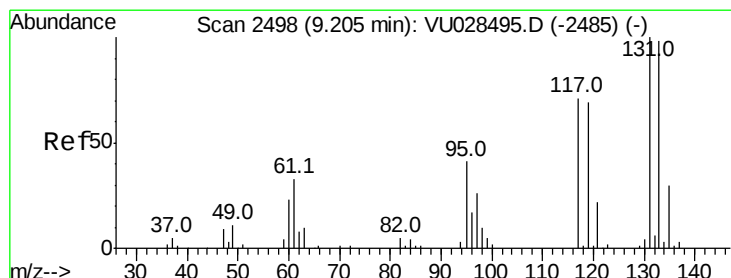
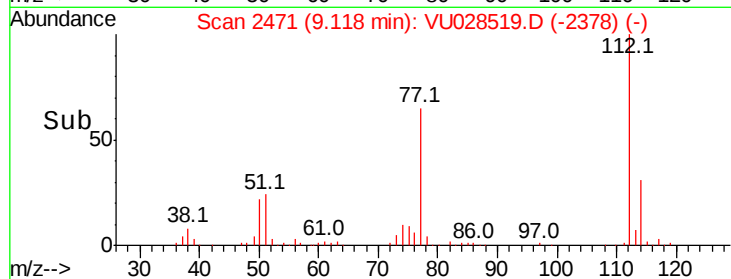
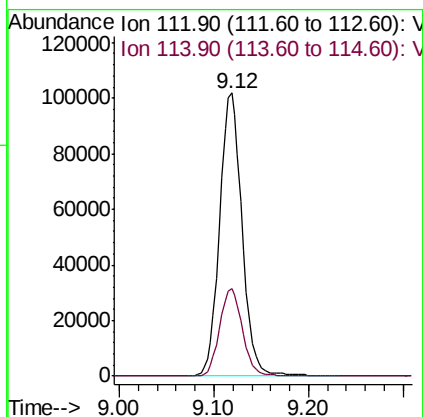
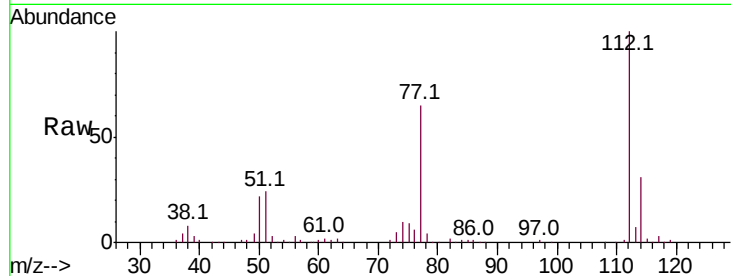




#65
Chlorobenzene
Concen: 49.104 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

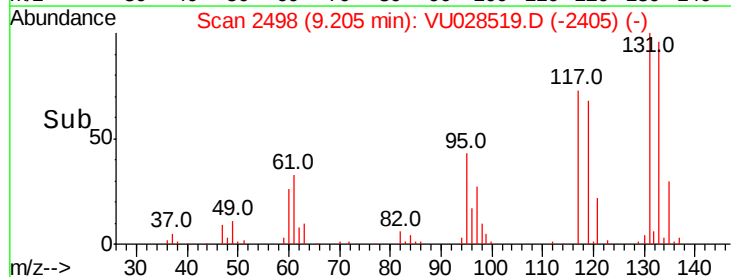
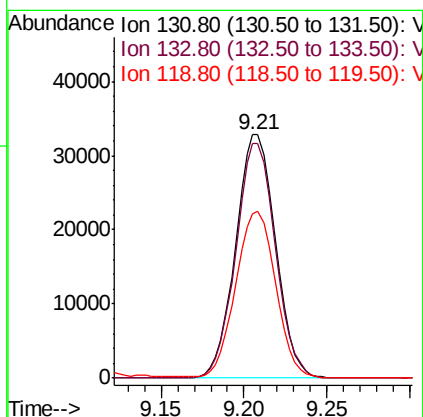
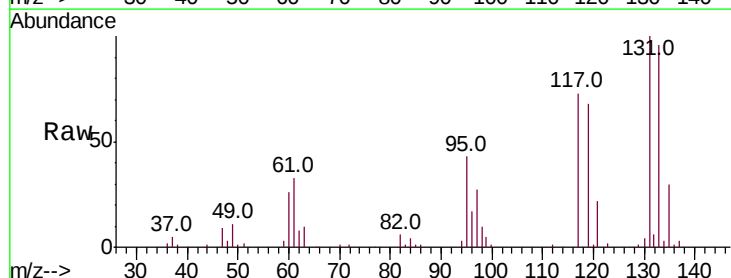
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

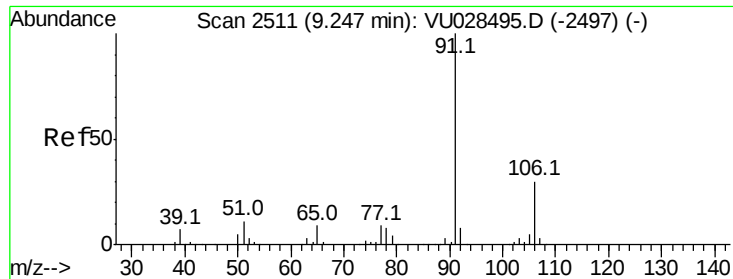
Tot Ion:112 Resp: 167411
Ion Ratio Lower Upper
112 100
114 30.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.591 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion:131 Resp: 55079
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.0
119 68.8 34.6 103.9

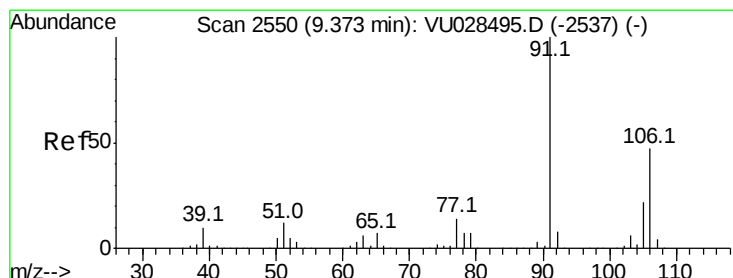
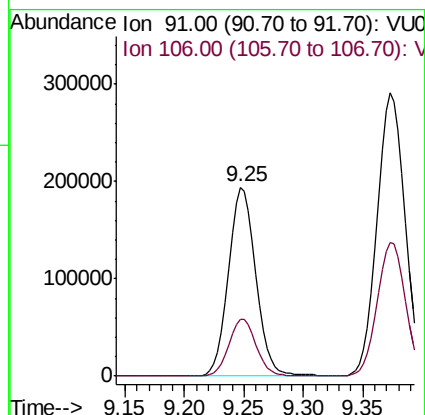
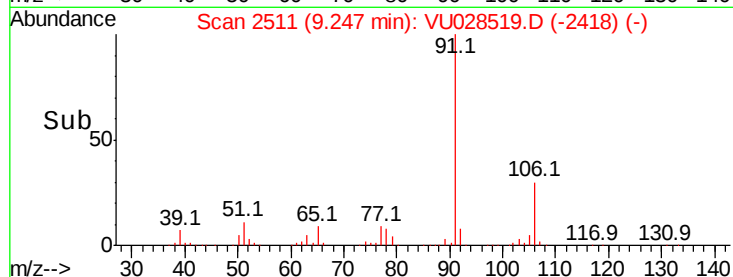
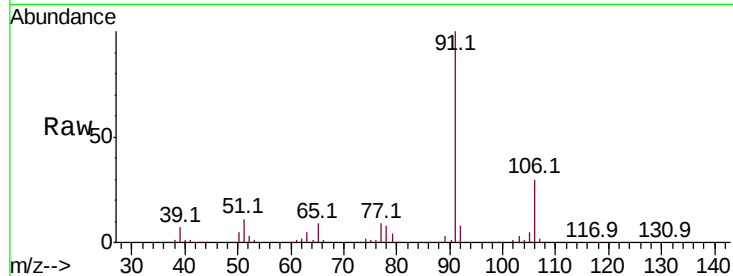




#67
Ethyl Benzene
Concen: 49.575 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

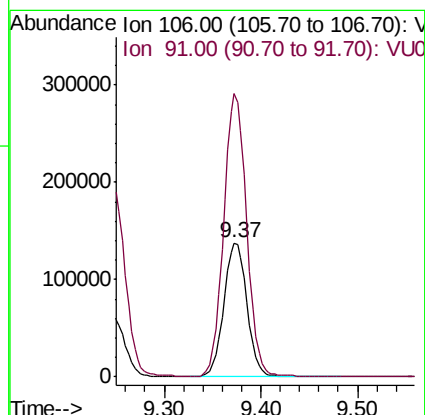
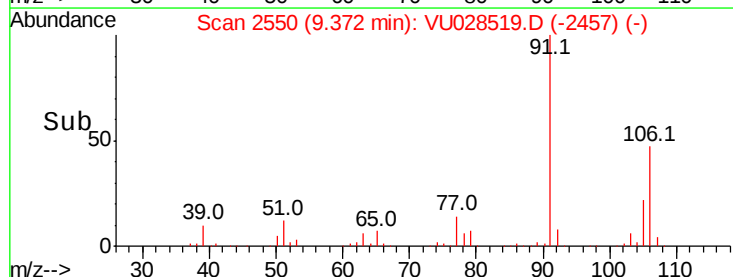
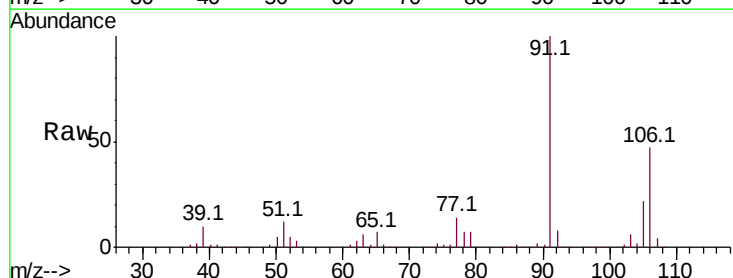
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

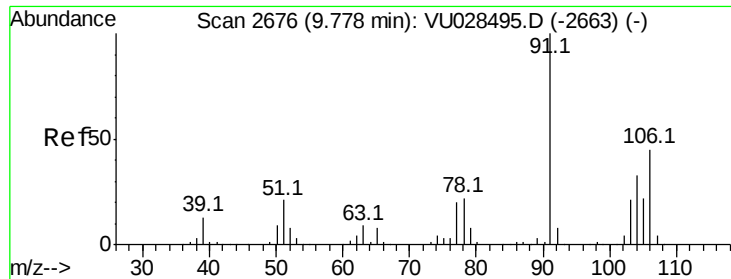
Tot Ion: 91 Resp: 310708
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1



#68
m/p-Xylenes
Concen: 100.434 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 106 Resp: 229045
Ion Ratio Lower Upper
106 100
91 209.8 167.4 251.0

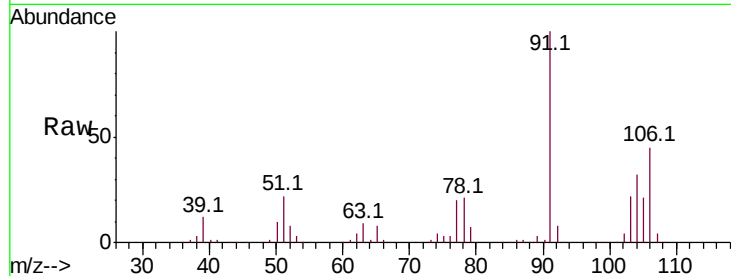




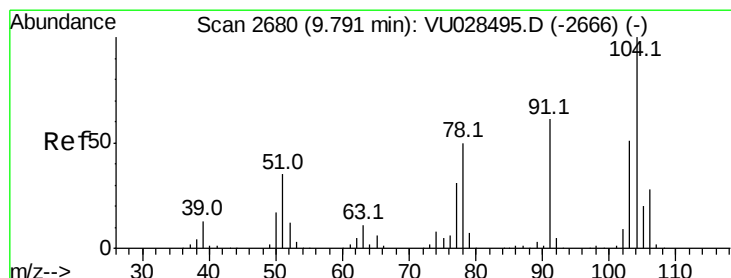
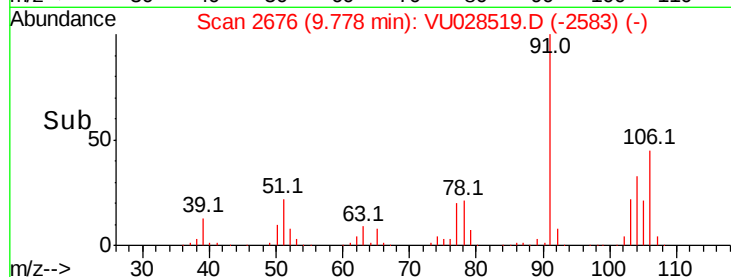
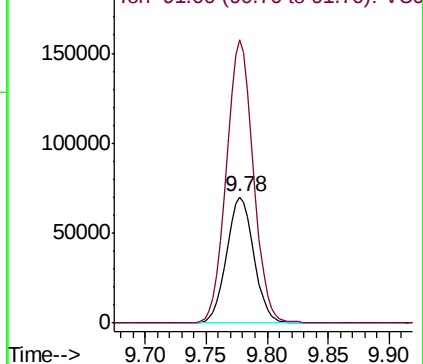
#69
o-Xylene
Concen: 49.673 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 110088
Ion Ratio Lower Upper
106 100
91 222.1 111.3 334.0

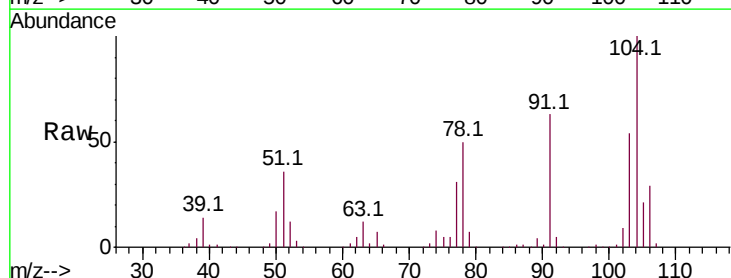


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

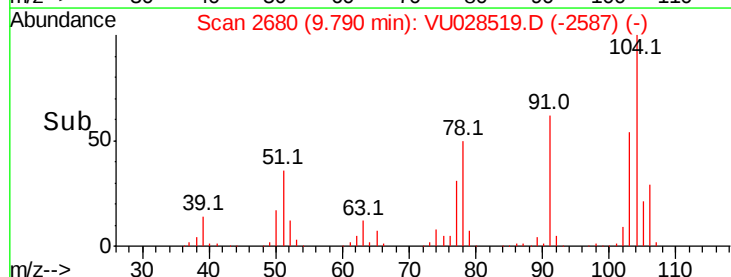
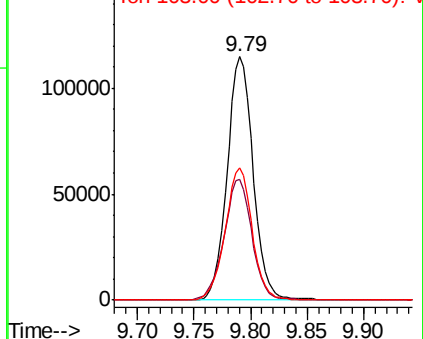


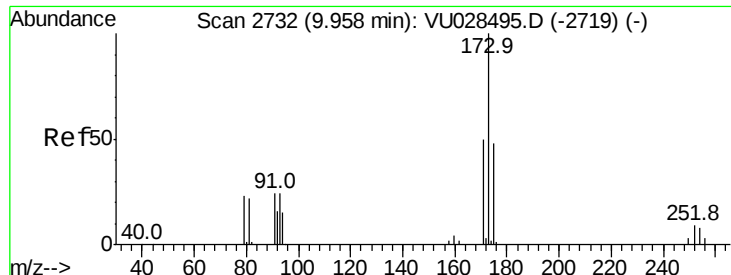
#70
Styrene
Concen: 50.090 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion:104 Resp: 183717
Ion Ratio Lower Upper
104 100
78 53.2 43.0 64.6
103 56.6 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.545 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

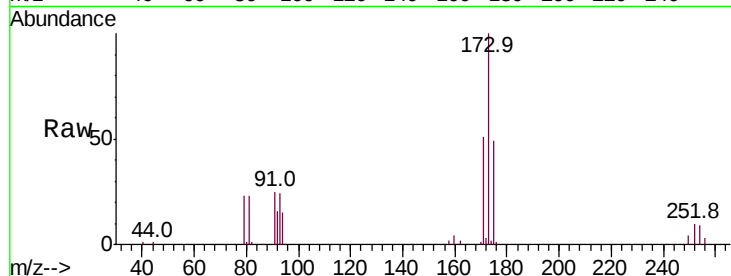
Tot Ion:173 Resp: 46813

Ion Ratio Lower Upper

173 100

175 48.3 23.9 71.8

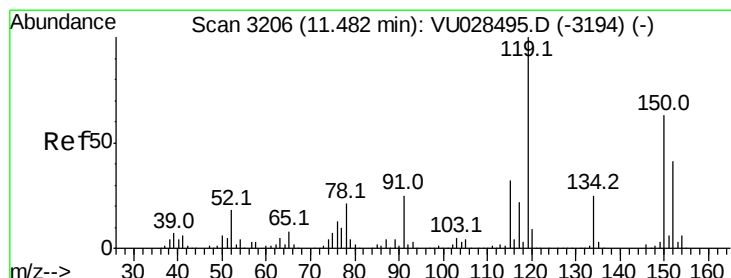
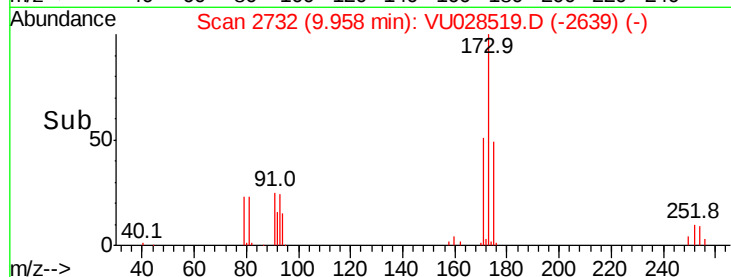
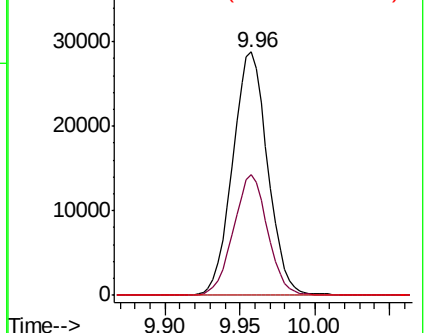
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

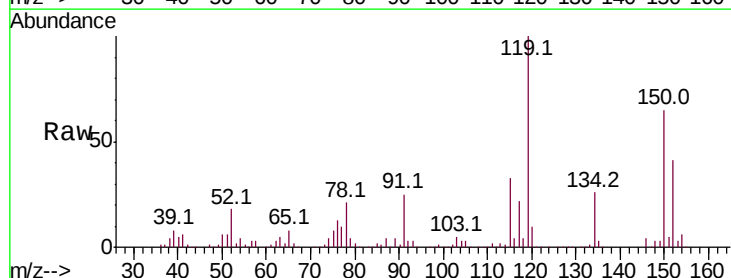
Tgt Ion:152 Resp: 80410

Ion Ratio Lower Upper

152 100

115 86.1 42.7 128.1

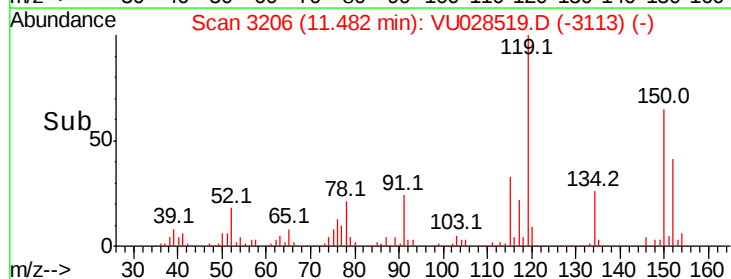
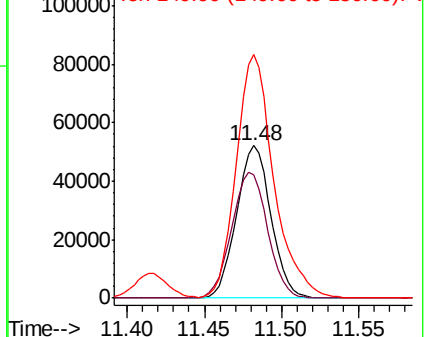
150 174.9 0.0 346.0

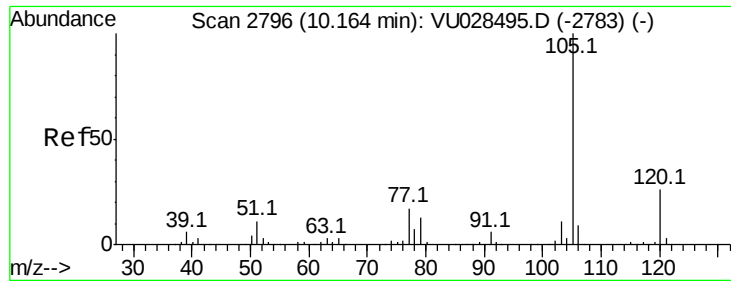


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.530 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

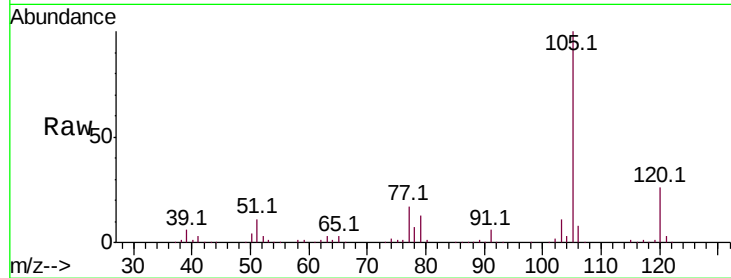
VSTDCCC050EC

Tot Ion:105 Resp: 293265

Ion Ratio Lower Upper

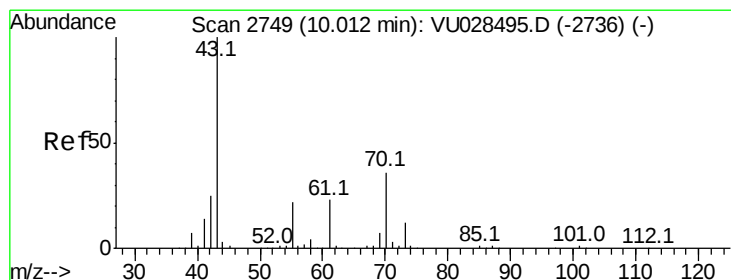
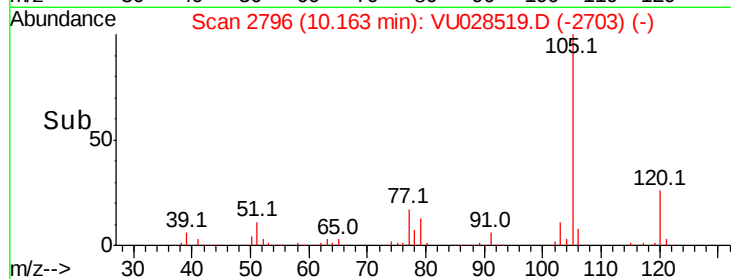
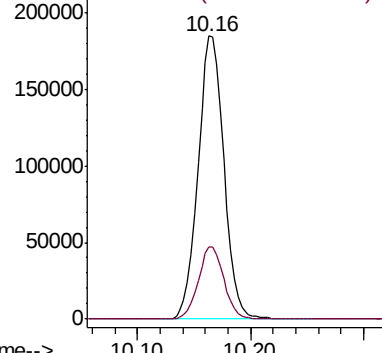
105 100

120 25.4 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.326 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Tgt Ion: 43 Resp: 175557

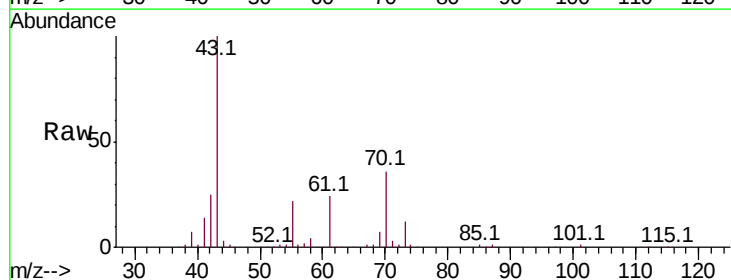
Ion Ratio Lower Upper

43 100

70 35.9 29.3 43.9

55 22.4 18.0 27.0

61 23.0 18.3 27.5

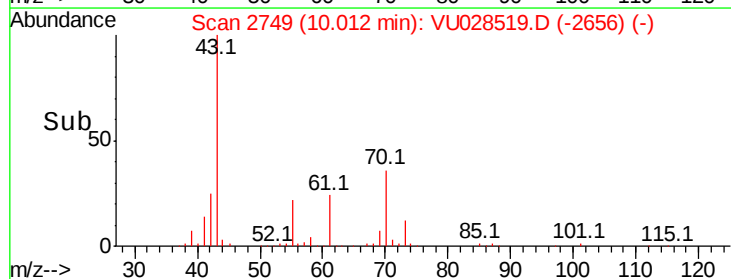
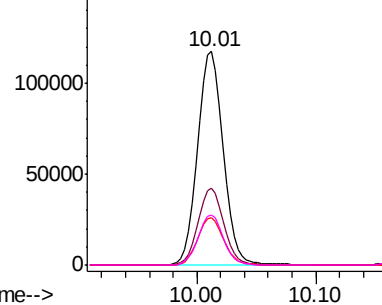


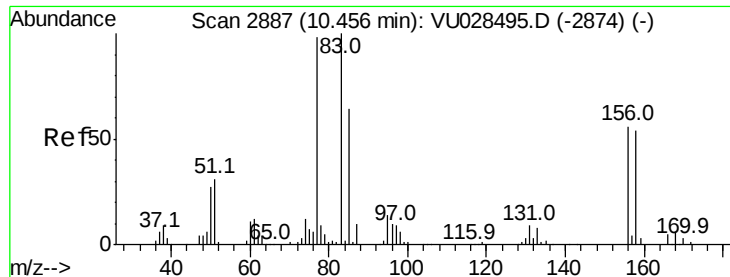
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.467 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

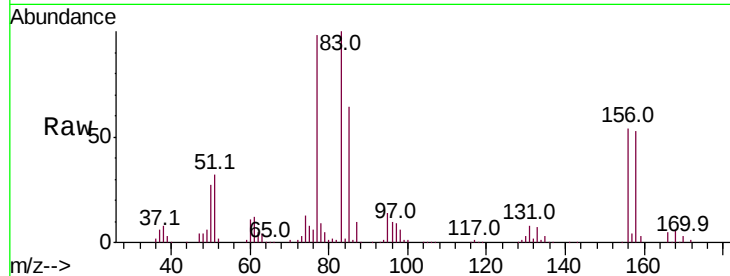
Tot Ion: 83 Resp: 114877

Ion Ratio Lower Upper

83 100

131 8.2 4.2 12.4

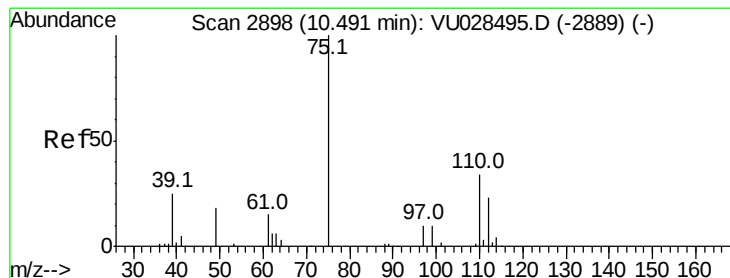
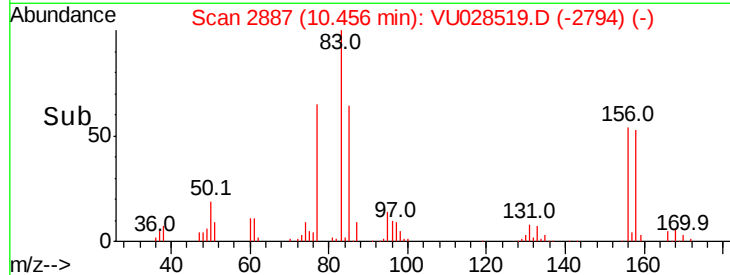
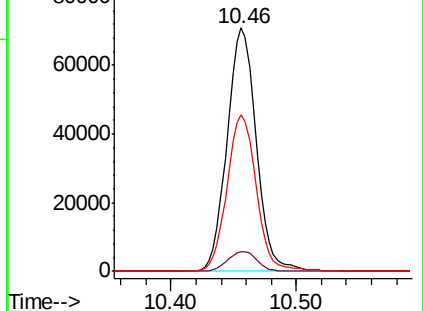
85 64.4 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028495.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 67.684 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028519.D

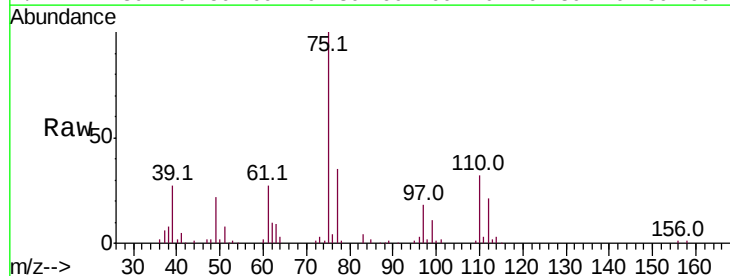
Acq: 06 Dec 2018 22:23

Tgt Ion: 75 Resp: 138974

Ion Ratio Lower Upper

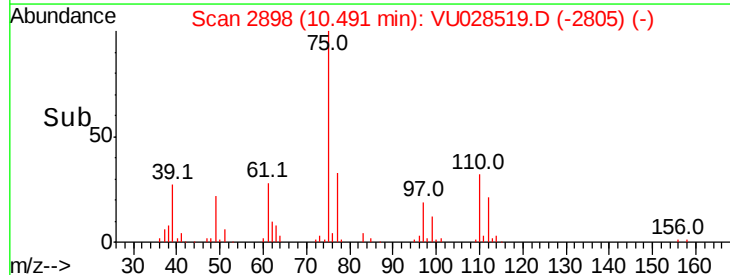
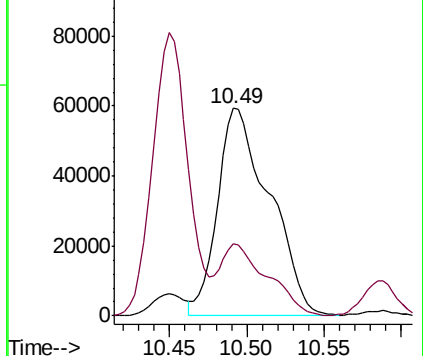
75 100

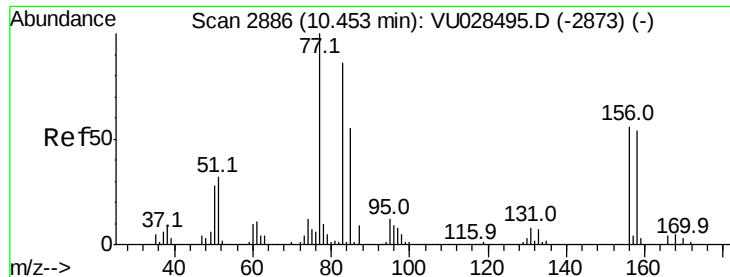
77 30.8 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)





#77

Bromobenzene

Concen: 48.094 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

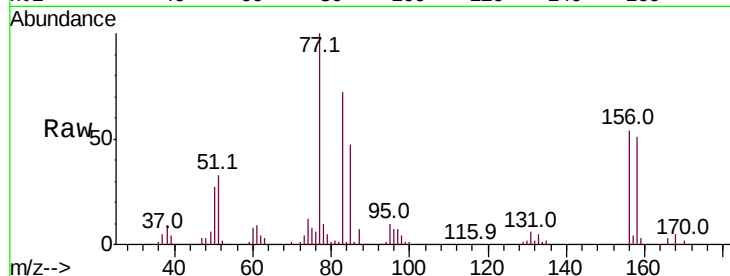
Tot Ion:156 Resp: 69401

Ion Ratio Lower Upper

156 100

77 185.1 92.4 277.2

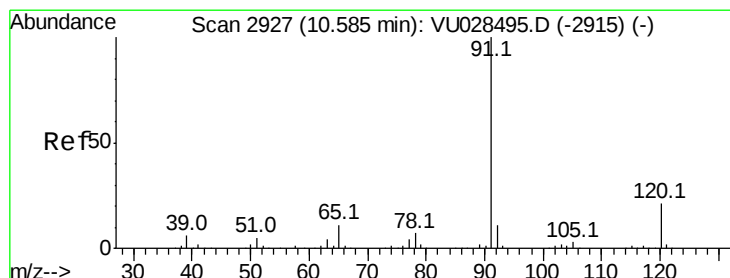
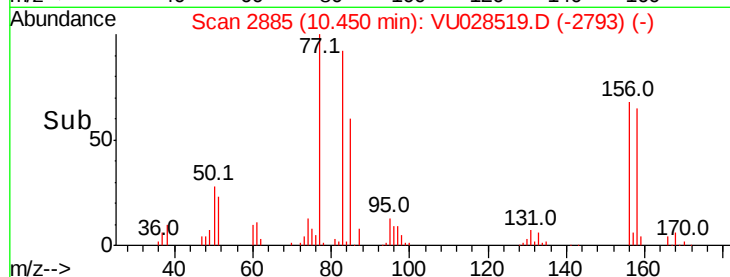
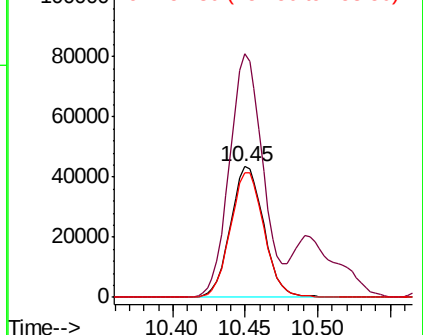
158 96.6 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.130 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028519.D

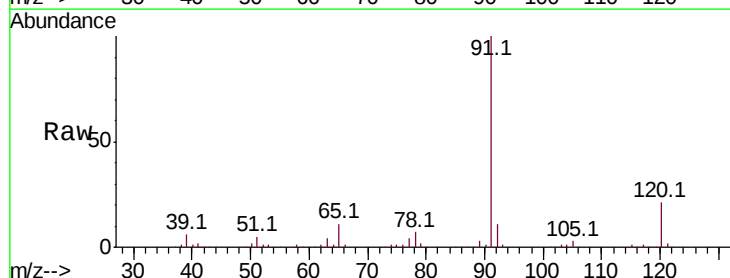
Acq: 06 Dec 2018 22:23

Tgt Ion: 91 Resp: 369010

Ion Ratio Lower Upper

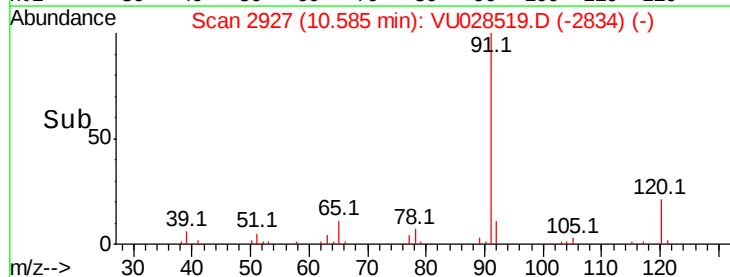
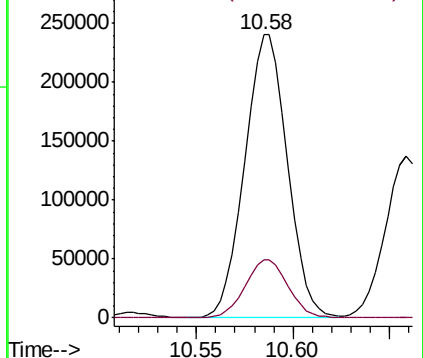
91 100

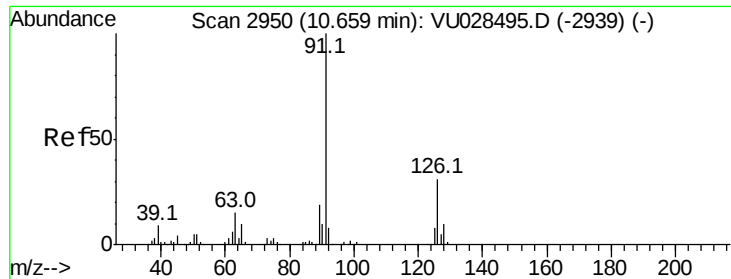
120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

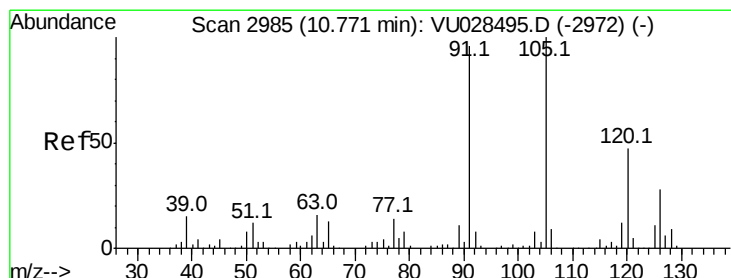
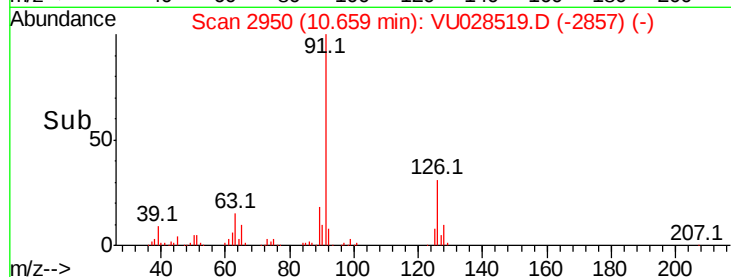
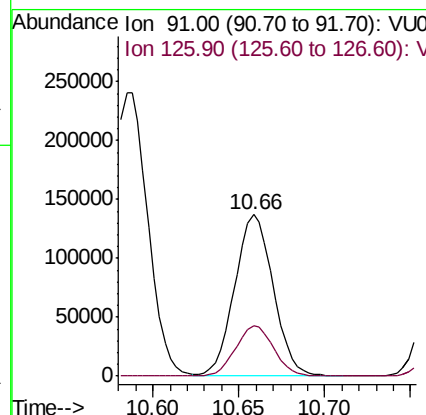
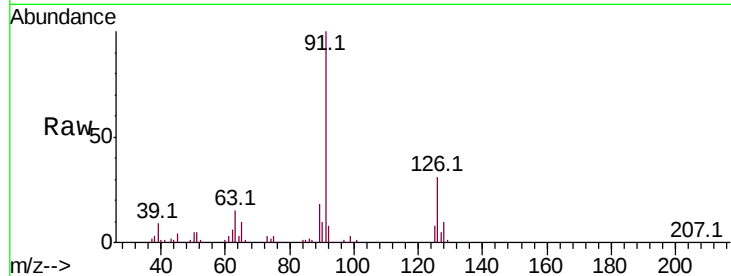




#79
 2-Chlorotoluene
 Concen: 48.084 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

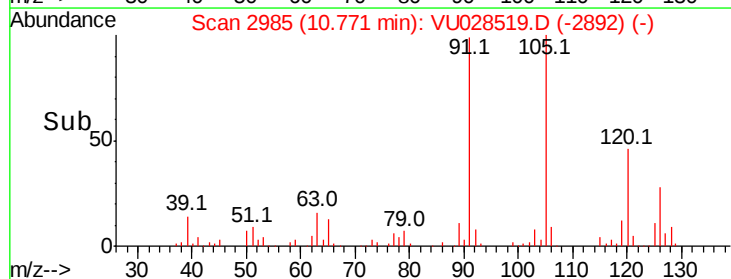
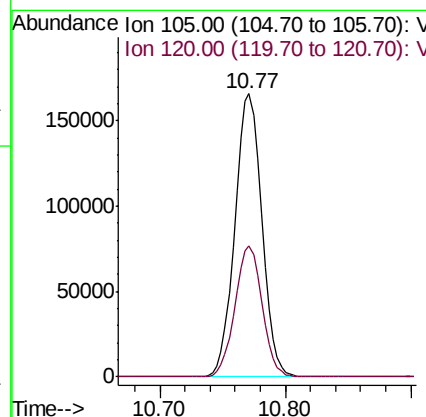
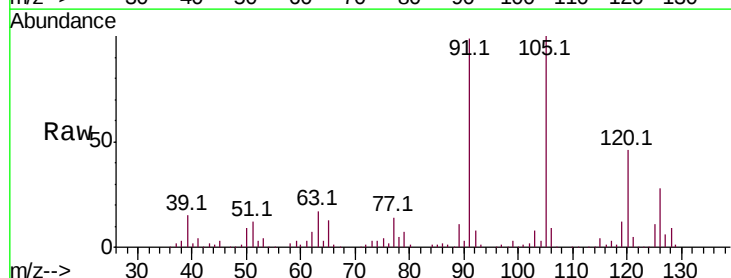
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

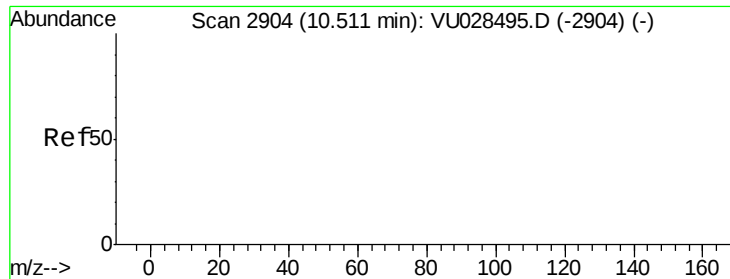
Tot Ion: 91 Resp: 212355
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 48.393 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion: 105 Resp: 247167
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 165.193 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

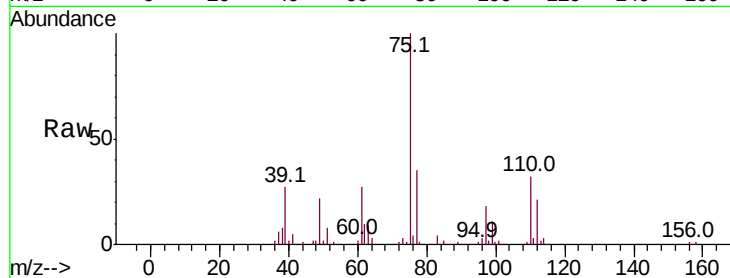
Tot Ion: 75 Resp: 138974

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

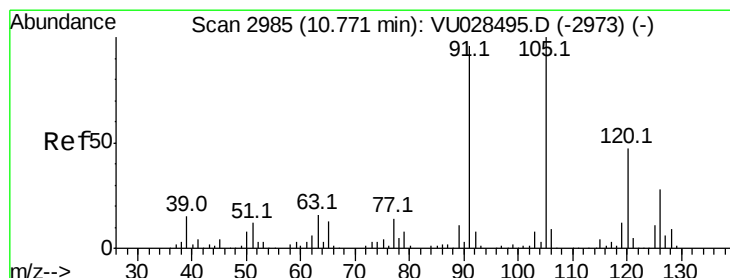
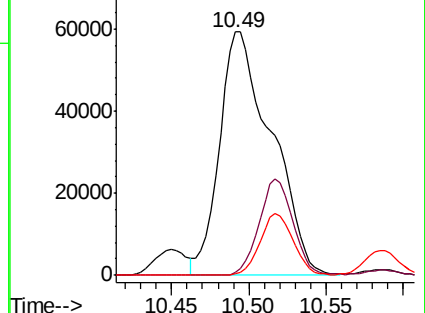
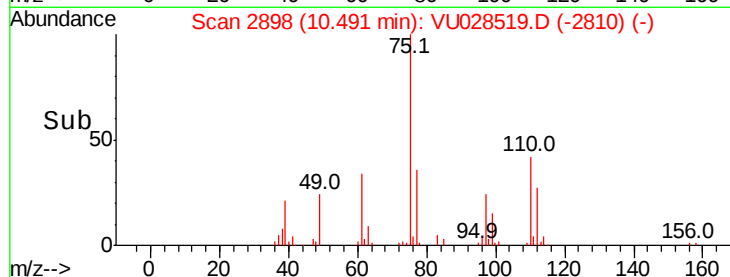
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 47.665 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028519.D

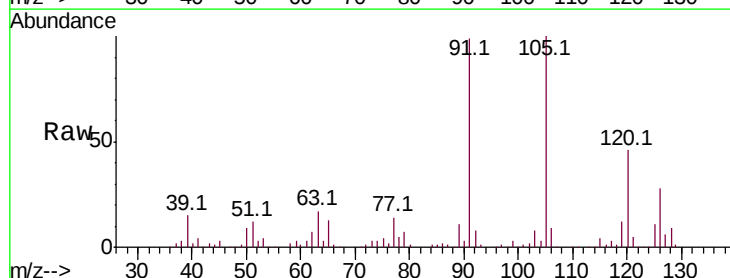
Acq: 06 Dec 2018 22:23

Tgt Ion: 91 Resp: 249454

Ion Ratio Lower Upper

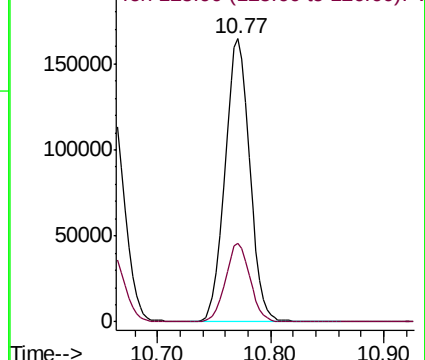
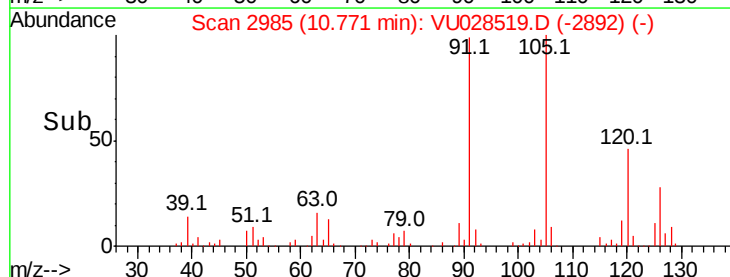
91 100

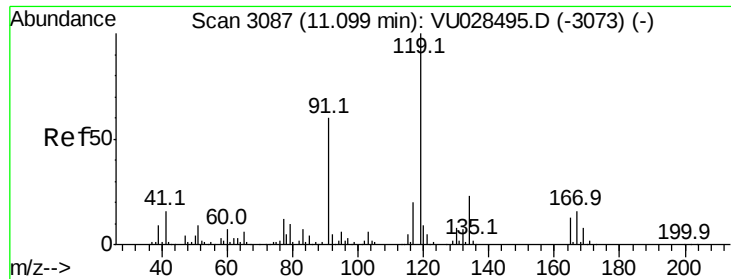
126 27.7 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 47.789 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

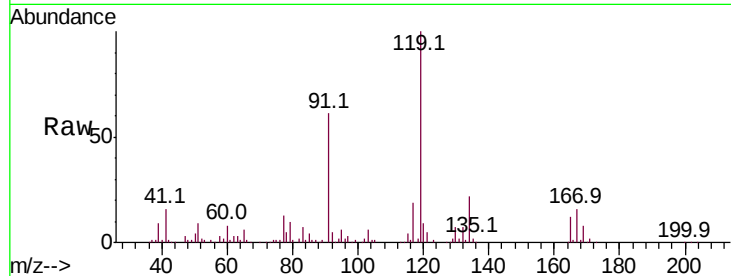
Tot Ion:119 Resp: 235258

Ion Ratio Lower Upper

119 100

91 61.6 30.3 91.0

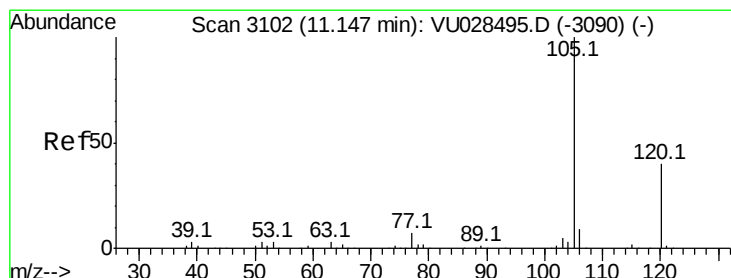
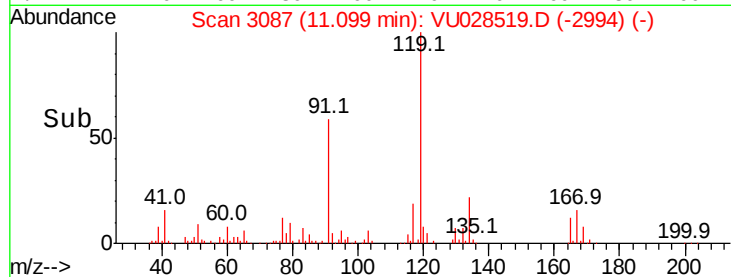
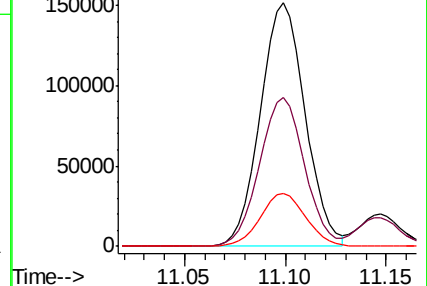
134 21.9 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.893 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028519.D

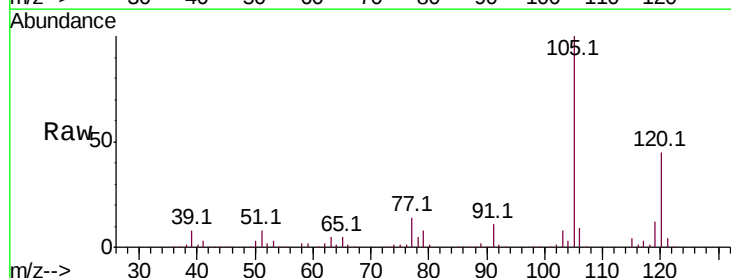
Acq: 06 Dec 2018 22:23

Tgt Ion:105 Resp: 252094

Ion Ratio Lower Upper

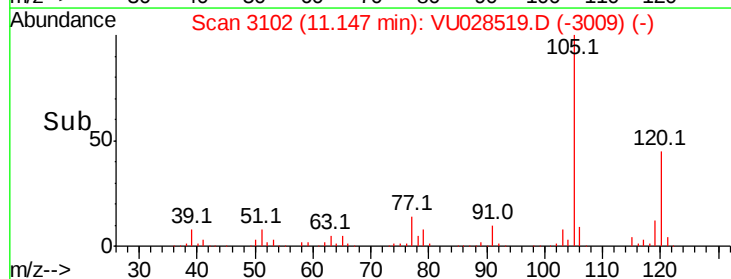
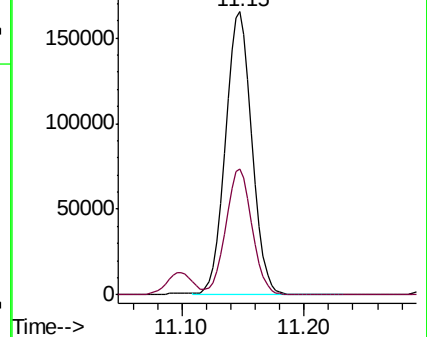
105 100

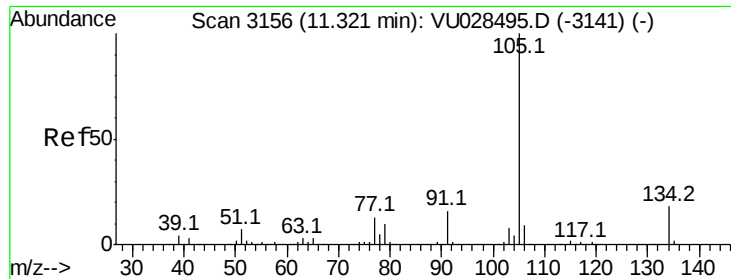
120 44.1 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.350 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

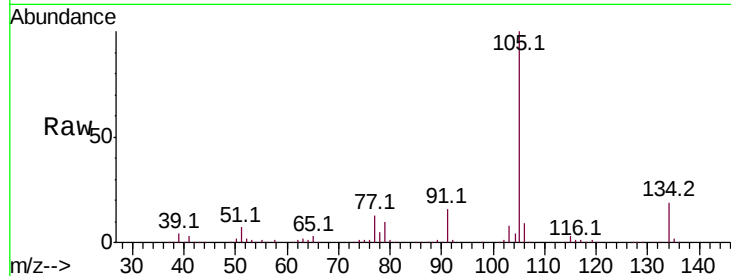
VSTDCCC050EC

Tot Ion:105 Resp: 305778

Ion Ratio Lower Upper

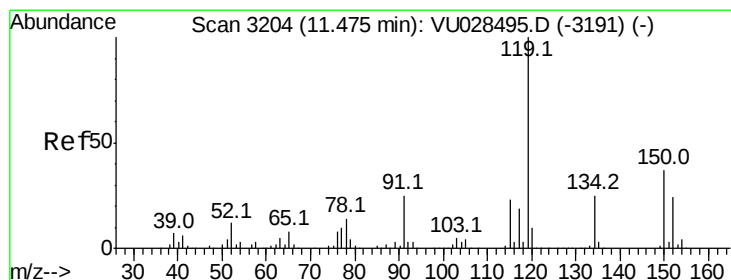
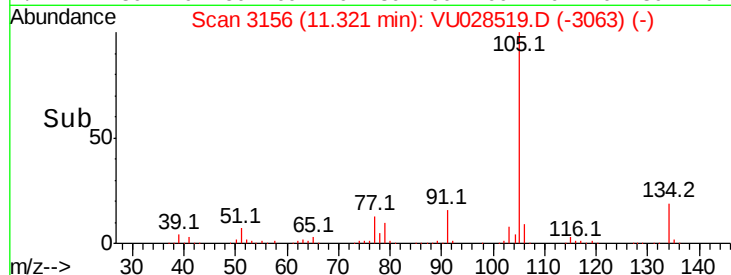
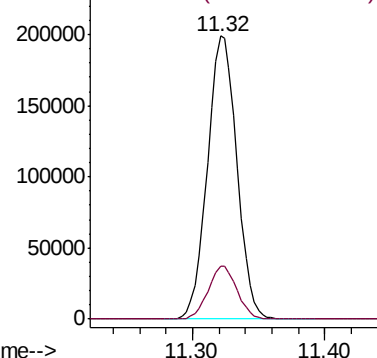
105 100

134 18.3 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.601 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

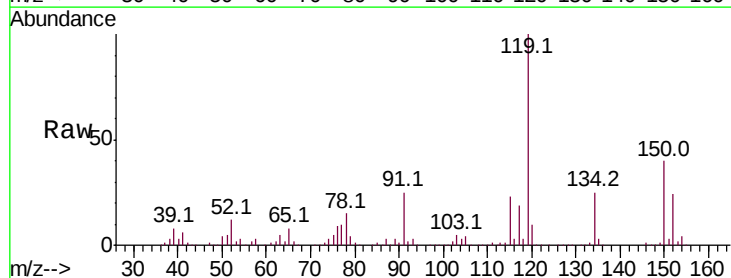
Tgt Ion:119 Resp: 255728

Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

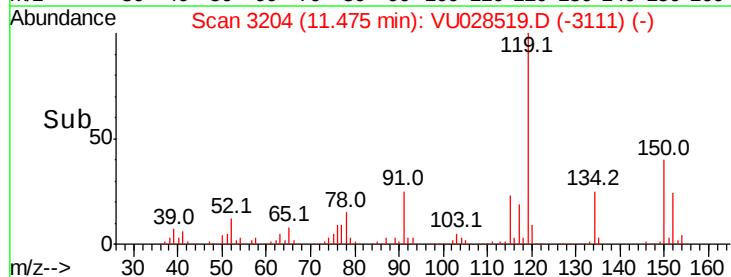
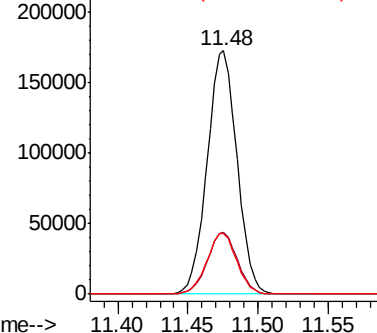
91 25.0 12.6 37.6

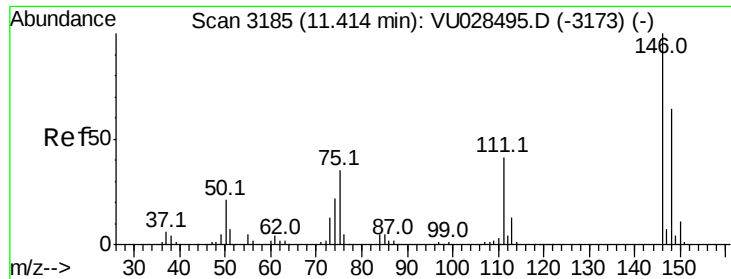


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU





#87

1,3-Dichlorobenzene

Concen: 47.221 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

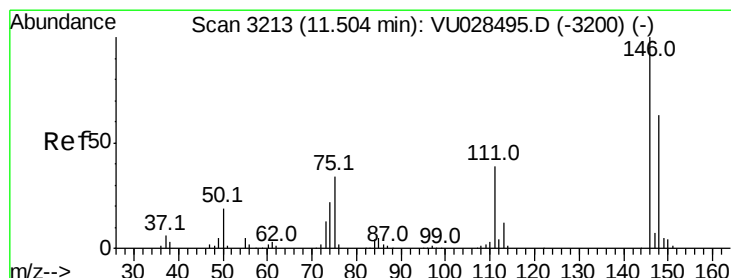
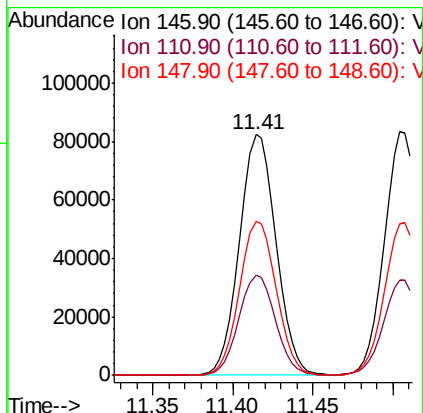
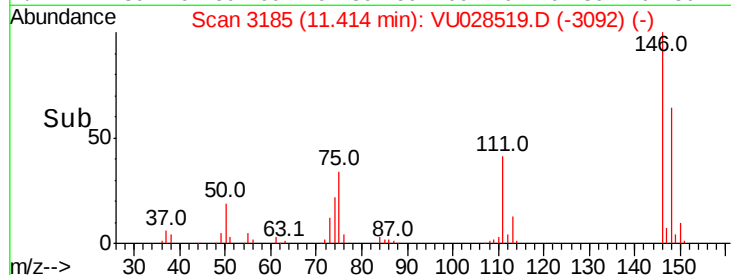
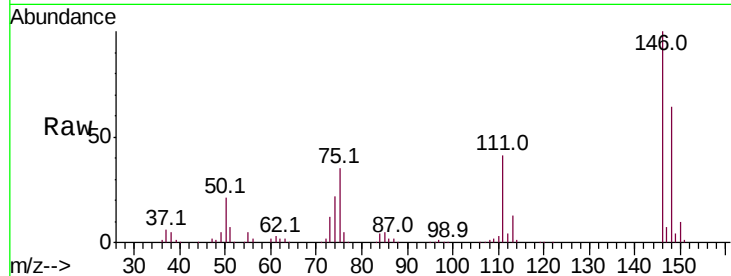
Tot Ion:146 Resp: 128669

Ion Ratio Lower Upper

146 100

111 41.5 20.7 62.1

148 64.2 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 46.157 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

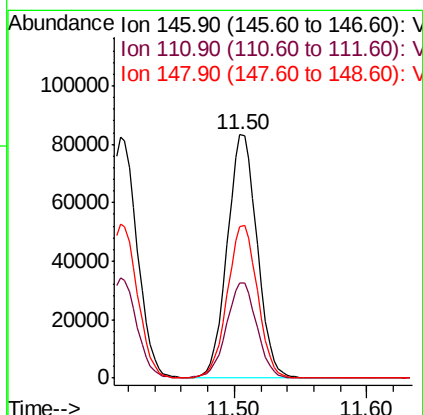
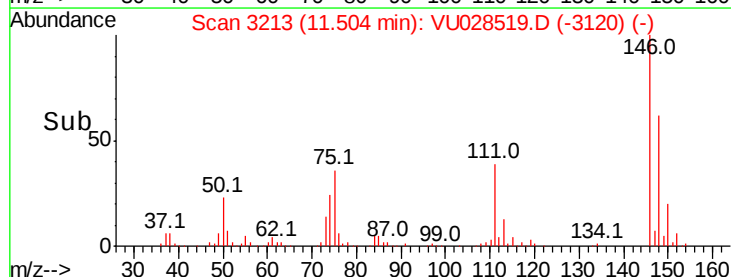
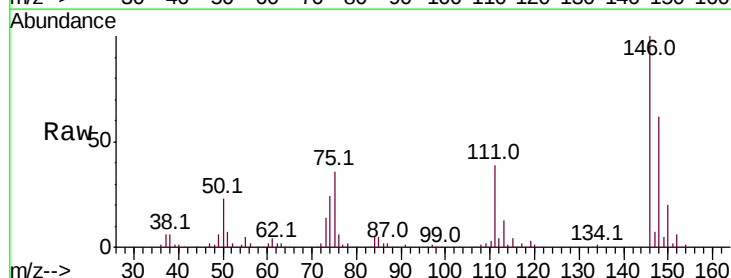
Tgt Ion:146 Resp: 130123

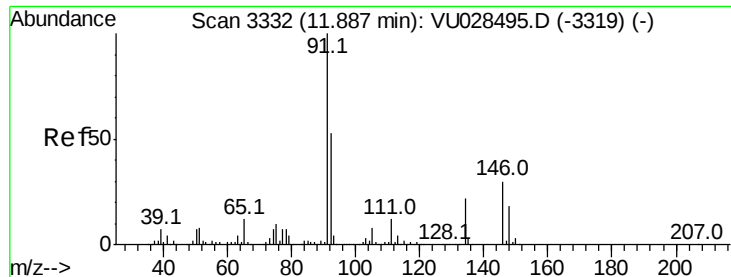
Ion Ratio Lower Upper

146 100

111 40.1 20.2 60.5

148 63.5 31.6 95.0

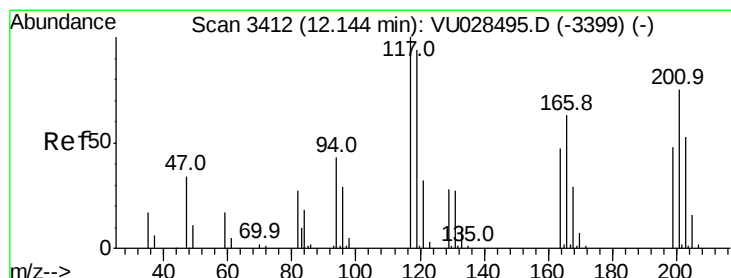
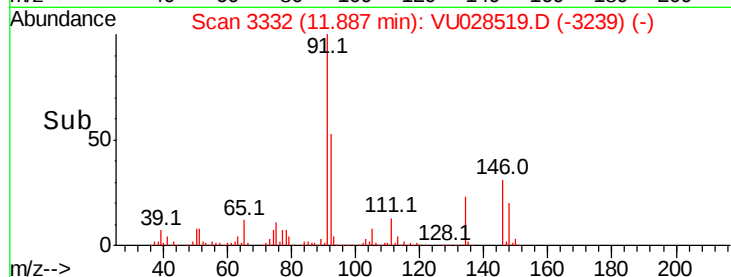
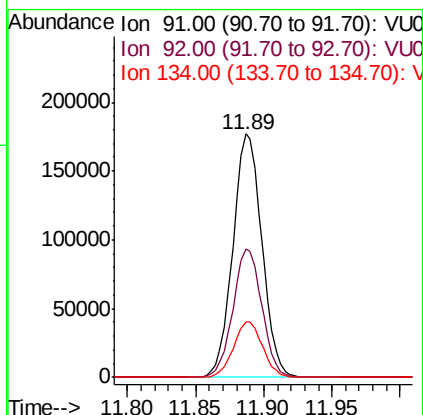
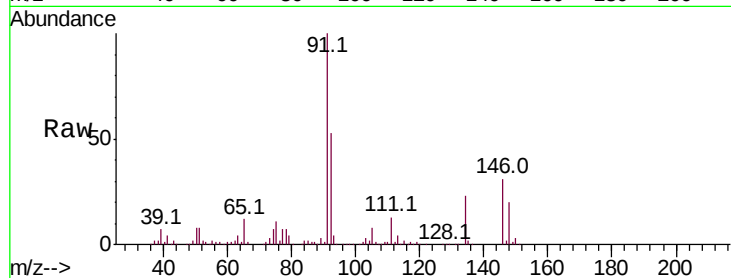




#89
n-Butylbenzene
Concen: 48.160 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

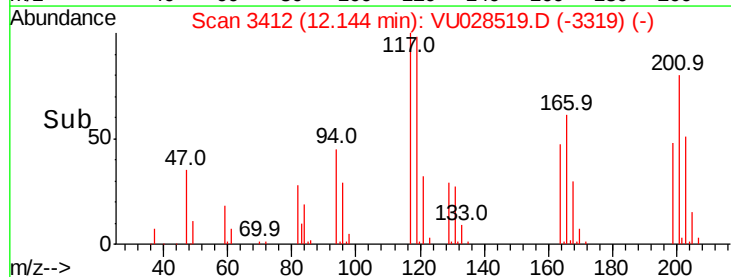
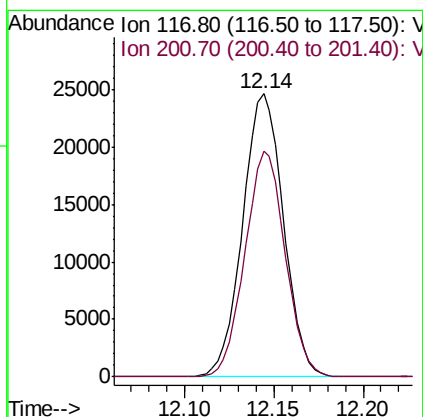
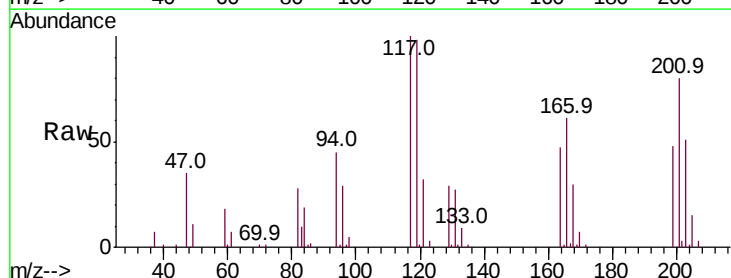
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

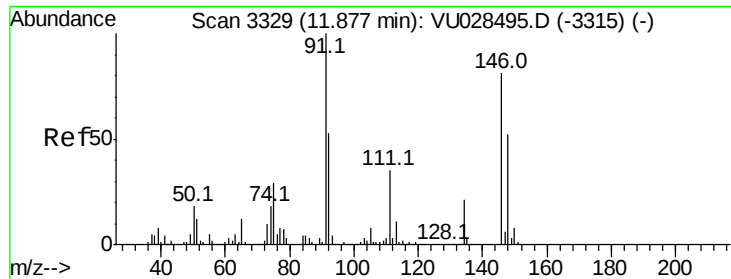
Tot Ion: 91 Resp: 261844
Ion Ratio Lower Upper
91 100
92 52.4 26.3 78.9
134 22.8 11.3 33.8



#90
Hexachloroethane
Concen: 48.407 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 117 Resp: 39307
Ion Ratio Lower Upper
117 100
201 78.7 38.1 114.5

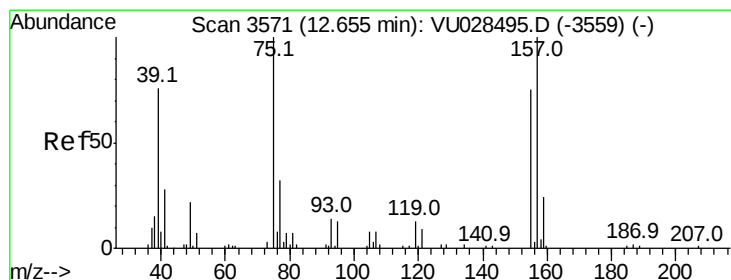
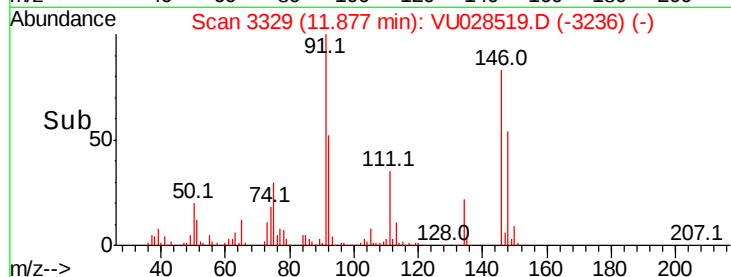
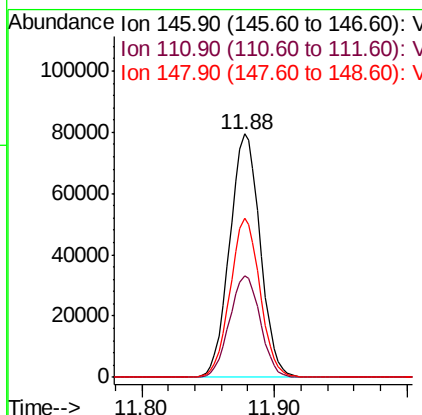
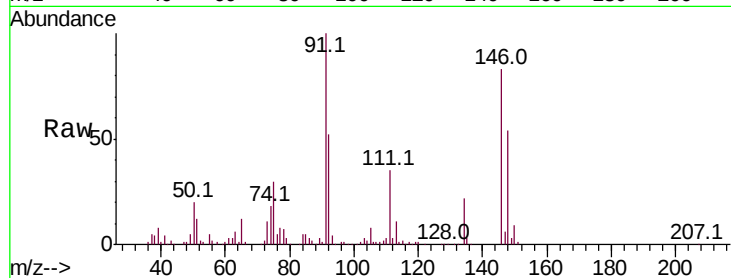




#91
 1,2-Dichlorobenzene
 Concen: 46.607 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

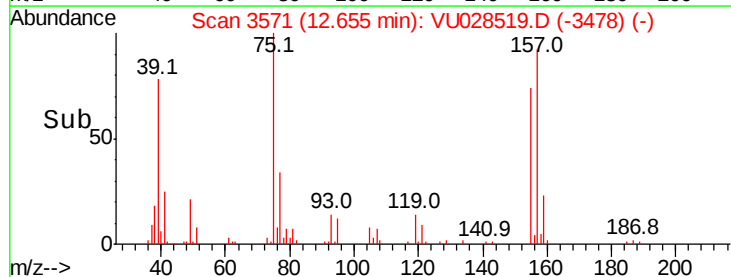
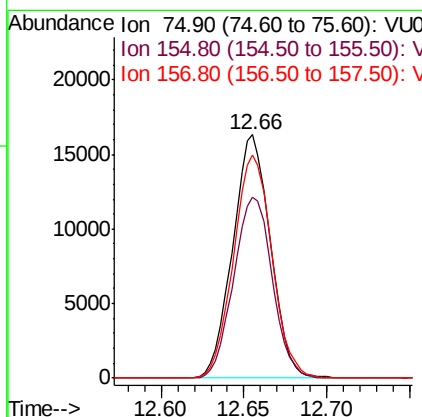
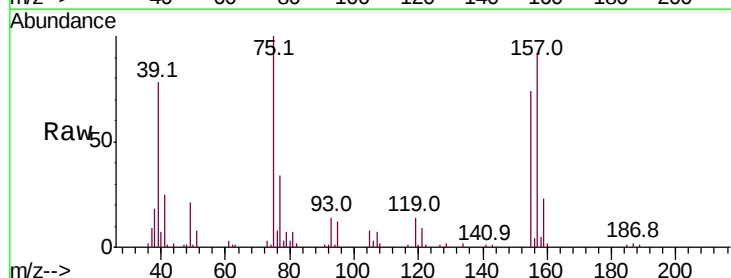
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

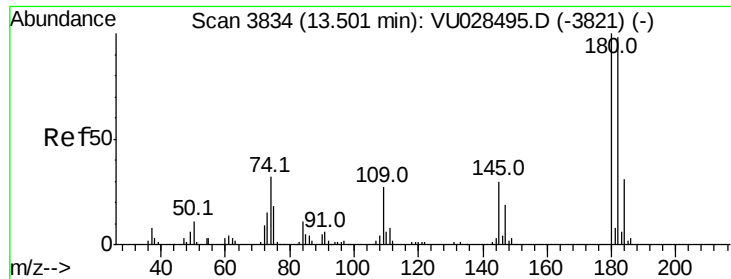
Tot Ion:146 Resp: 127031
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.4
 148 64.1 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.270 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion: 75 Resp: 25796
 Ion Ratio Lower Upper
 75 100
 155 75.8 38.1 114.5
 157 93.2 48.7 146.1

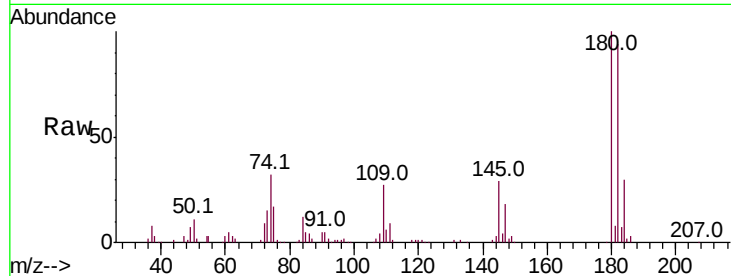




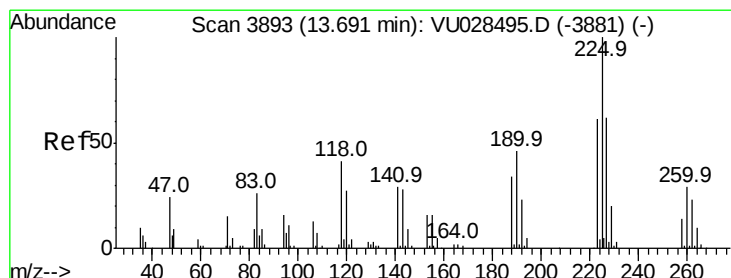
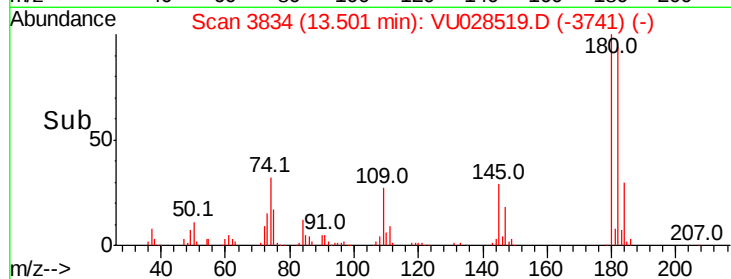
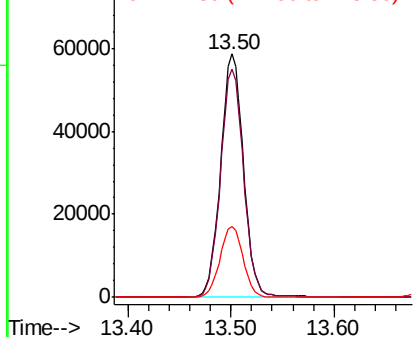
#93
 1,2,4-Trichlorobenzene
 Concen: 48.340 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 90484
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.9 143.8
 145 29.4 15.0 45.1

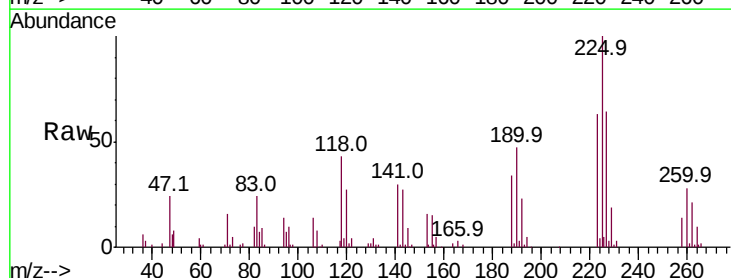


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

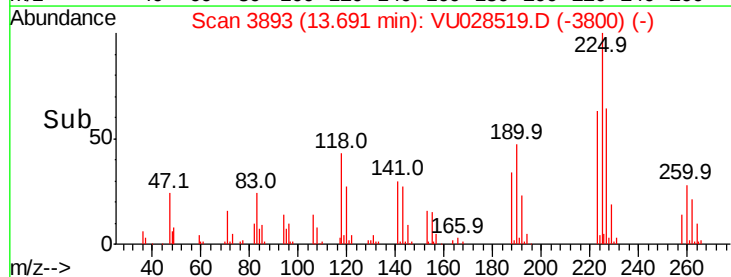
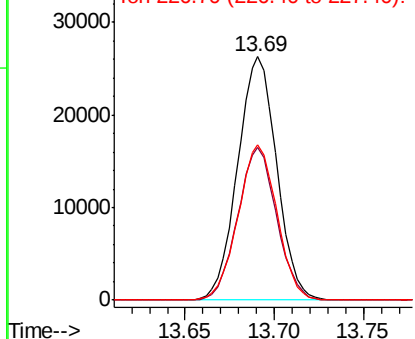


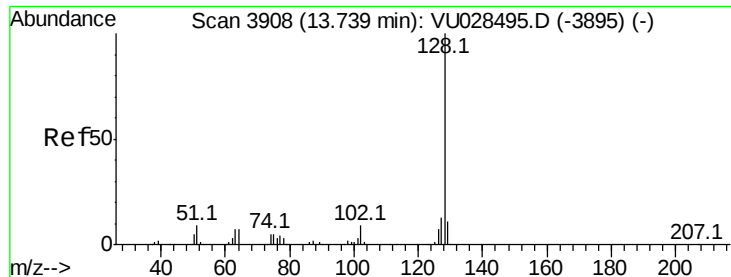
#94
 Hexachlorobutadiene
 Concen: 44.874 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion:225 Resp: 40064
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.4 91.2
 227 63.4 30.7 92.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

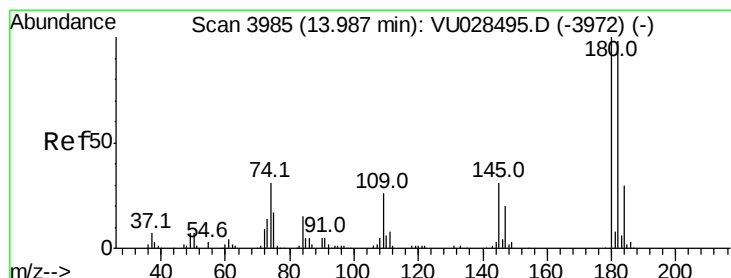
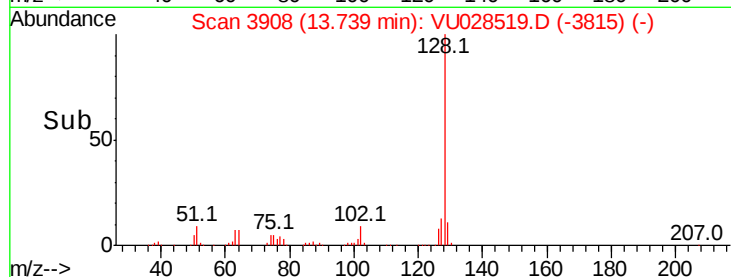
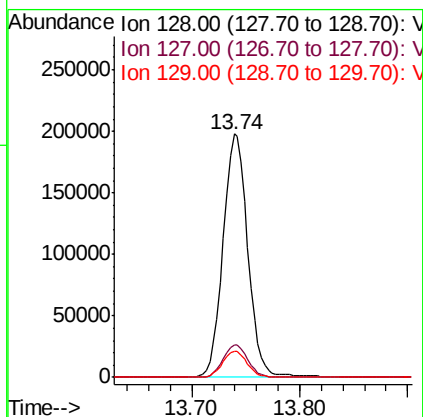
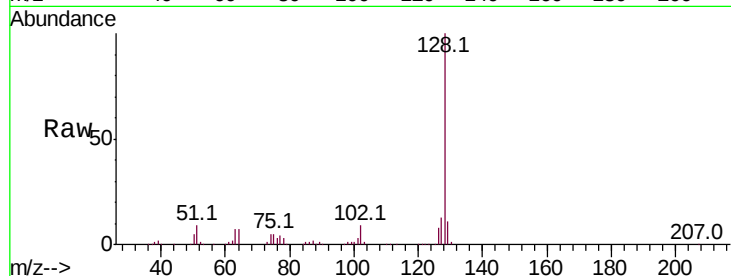




#95
Naphthalene
Concen: 48.416 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 316659
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.963 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion:180 Resp: 91264
Ion Ratio Lower Upper
180 100
182 95.6 48.2 144.6
145 31.6 15.8 47.3

