

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028782.D
 Acq On : 19 Dec 2018 09:49
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 20 03:18:26 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	113774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	182532	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88297	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.30	65	77811	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	
35) Dibromofluoromethane	4.88	113	64977	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	
50) Toluene-d8	7.56	98	258356	56.86	ug/l	0.00
Spiked Amount			Recovery	=	113.72%	
62) 4-Bromofluorobenzene	10.30	95	93009	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	72988	47.862	ug/l	98
3) Chloromethane	1.33	50	113983	40.655	ug/l	100
4) Vinyl Chloride	1.40	62	96722	47.804	ug/l	100
5) Bromomethane	1.60	94	48074	58.984	ug/l	95
6) Chloroethane	1.68	64	55374	48.343	ug/l	97
7) Trichlorofluoromethane	1.88	101	103301	48.527	ug/l	96
8) Diethyl Ether	2.10	74	48391	48.588	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.28	101	68080	53.474	ug/l	96
10) Methyl Iodide	2.41	142	66962	67.031	ug/l	95
11) Tert butyl alcohol	2.83	59	81768	211.378	ug/l	100
12) 1,1-Dichloroethene	2.28	96	66660	52.623	ug/l	87
13) Acrolein	2.19	56	65733	213.156	ug/l	99
14) Allyl chloride	2.59	41	120499	40.211	ug/l	95
15) Acrylonitrile	2.93	53	242773	226.052	ug/l	99
16) Acetone	2.32	43	240041	211.864	ug/l	92
17) Carbon Disulfide	2.47	76	220942	48.416	ug/l	100
18) Methyl Acetate	2.61	43	127889	43.544	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	227097	47.291	ug/l	99
20) Methylene Chloride	2.70	84	79545	47.626	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	72050	50.517	ug/l	93
22) Diisopropyl ether	3.57	45	253310	43.468	ug/l	97
23) Vinyl Acetate	3.52	43	1024466	213.128	ug/l	96
24) 1,1-Dichloroethane	3.44	63	141529	46.396	ug/l	98
25) 2-Butanone	4.26	43	330692	213.577	ug/l	94
26) 2,2-Dichloropropane	4.22	77	113772	47.070	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	83415	51.673	ug/l	90
28) Bromochloromethane	4.54	49	62629	45.162	ug/l	85
29) Tetrahydrofuran	4.63	42	206470	207.631	ug/l	91
30) Chloroform	4.67	83	130064	48.920	ug/l	100
31) Cyclohexane	4.99	56	139047	46.629	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	105844	47.934	ug/l	96
36) 1,1-Dichloropropene	5.13	75	102740	51.436	ug/l	96
37) Ethyl Acetate	4.38	43	114448	44.324	ug/l	95
38) Carbon Tetrachloride	5.13	117	84994	52.794	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	132317	54.299	ug/l	93
40) Benzene	5.39	78	322508	54.822	ug/l	97
41) Methacrylonitrile	4.54	41	65703	46.464	ug/l	94
42) 1,2-Dichloroethane	5.40	62	100788	48.945	ug/l	97
43) Isopropyl Acetate	5.55	43	187475	45.904	ug/l	95
44) Trichloroethene	6.18	130	75462	57.691	ug/l	94
45) 1,2-Dichloropropane	6.43	63	88268	53.357	ug/l	99
46) Dibromomethane	6.56	93	53309	54.311	ug/l	93
47) Bromodichloromethane	6.76	83	100127	52.422	ug/l	99
48) Methyl methacrylate	6.62	41	92745	45.664	ug/l	90
49) 1,4-Dioxane	6.61	88	37417	1166.761	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	585440	227.279	ug/l	94
52) Toluene	7.64	92	193978	56.028	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	119912	52.713	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	131280	53.192	ug/l	92
55) 1,1,2-Trichloroethane	8.06	97	78993	57.719	ug/l	99
56) Ethyl methacrylate	8.02	69	124940	53.311	ug/l	88
57) 1,3-Dichloropropane	8.24	76	136033	53.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	288676	240.482	ug/l	95
59) 2-Hexanone	8.36	43	459735	225.178	ug/l	90
60) Dibromochloromethane	8.48	129	74735	55.776	ug/l	100
61) 1,2-Dibromoethane	8.58	107	82569	57.533	ug/l	100
64) Tetrachloroethene	8.22	164	66608	58.075	ug/l	99
65) Chlorobenzene	9.12	112	207133	56.531	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	69363	59.282	ug/l	98
67) Ethyl Benzene	9.25	91	366064	54.347	ug/l	99
68) m/p-Xylenes	9.37	106	279595	114.077	ug/l	97
69) o-Xylene	9.78	106	136079	57.132	ug/l	95
70) Styrene	9.79	104	226079	57.355	ug/l	97
71) Bromoform	9.96	173	58998	59.274	ug/l #	99
73) Isopropylbenzene	10.16	105	356777	52.658	ug/l	99
74) N-amyl acetate	10.01	43	164772	42.160	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	137547	52.848	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	157465	69.839	ug/l	83
77) Bromobenzene	10.45	156	88116	55.608	ug/l	91
78) n-propylbenzene	10.58	91	434049	51.556	ug/l	97
79) 2-Chlorotoluene	10.66	91	250450	51.644	ug/l	95
80) 1,3,5-Trimethylbenzene	10.77	105	300222	53.531	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.49	75	157465	170.437	ug/l #	100
82) 4-Chlorotoluene	10.77	91	293078	50.999	ug/l	96
83) tert-Butylbenzene	11.10	119	288984	53.459	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	308767	53.420	ug/l	97
85) sec-Butylbenzene	11.32	105	367458	52.913	ug/l	98
86) p-Isopropyltoluene	11.48	119	315822	53.536	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	163817	54.750	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	164182	53.036	ug/l	98
89) n-Butylbenzene	11.89	91	301956	50.576	ug/l	99
90) Hexachloroethane	12.14	117	48359	54.235	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	161577	53.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26948	47.824	ug/l	86

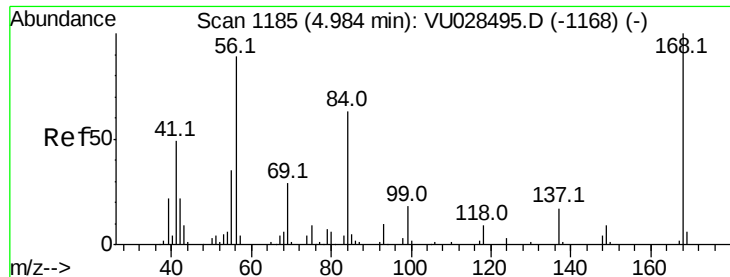
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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	109860	53.360	ug/l	99
94) Hexachlorobutadiene	13.69	225	49633	50.626	ug/l	95
95) Naphthalene	13.74	128	351649	48.963	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	109733	53.599	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

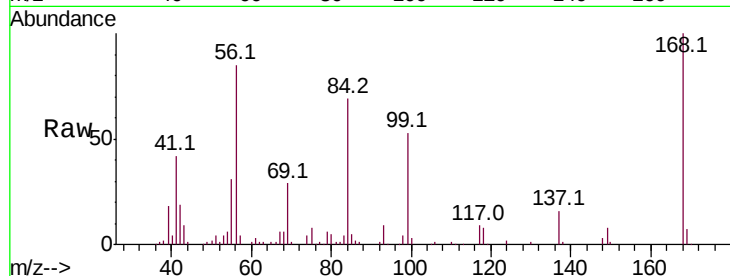
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 113774

Ion Ratio Lower Upper

168 100

99 52.3 46.6 69.8

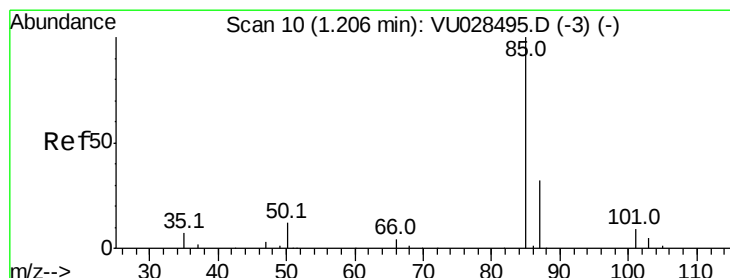
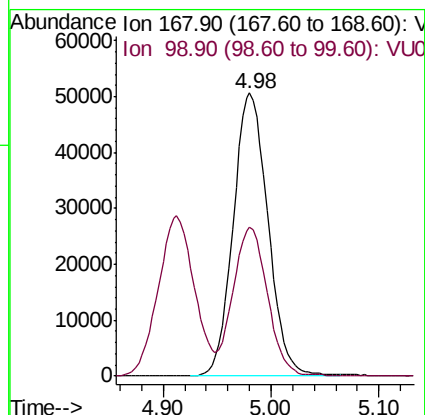
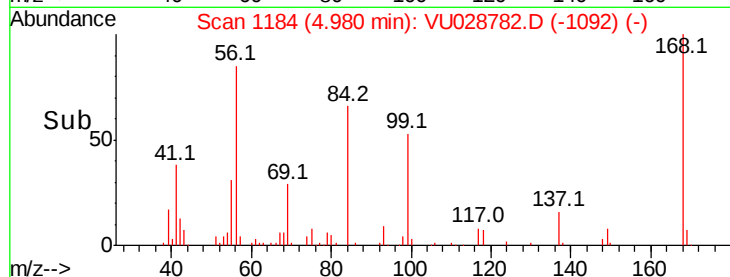


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 47.862 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028782.D

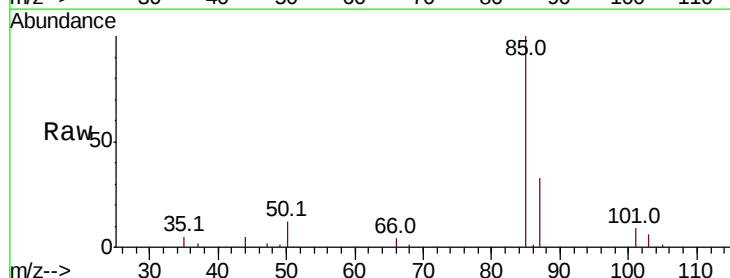
Acq: 19 Dec 2018 09:49

Tgt Ion: 85 Resp: 72988

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.6

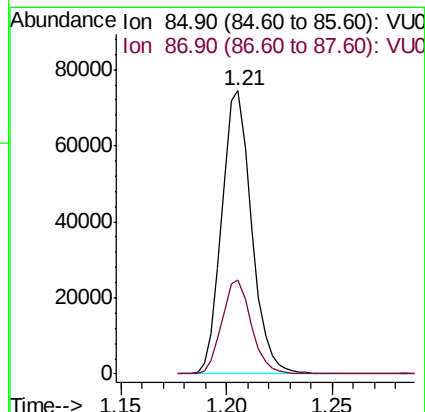
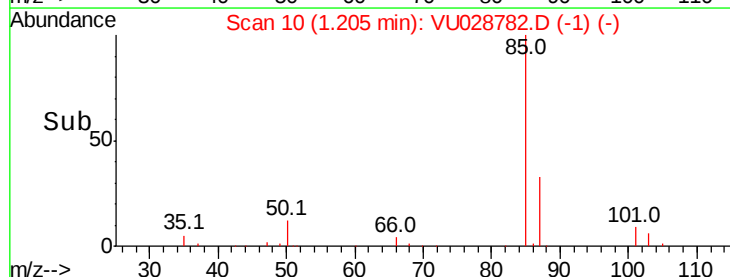


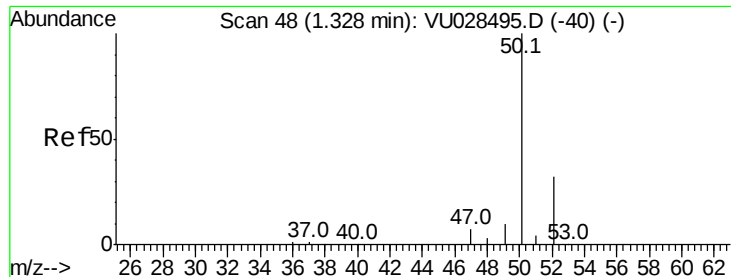
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

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

1.21

Time-->





#3

Chloromethane

Concen: 40.655 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

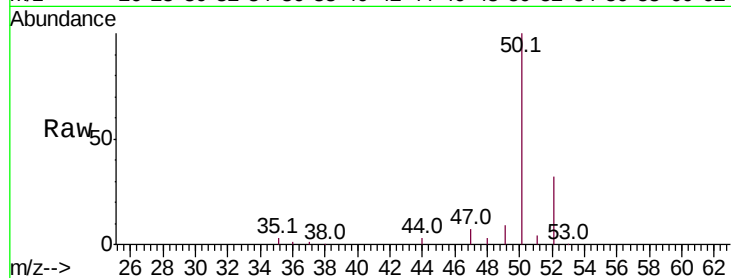
VSTDCCC050

Tot Ion: 50 Resp: 113983

Ion Ratio Lower Upper

50 100

52 32.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

120000

100000

80000

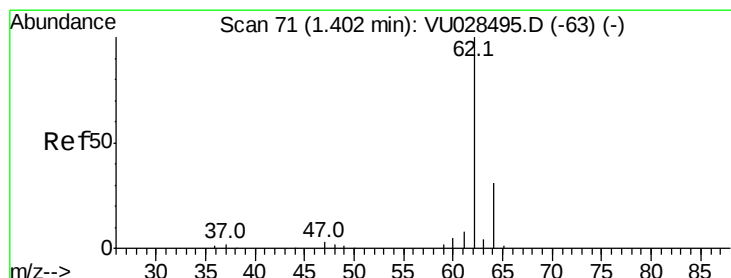
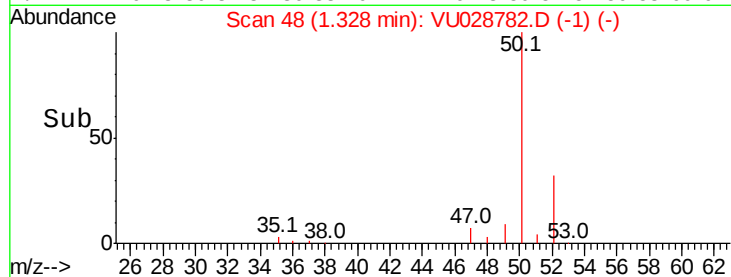
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 47.804 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028782.D

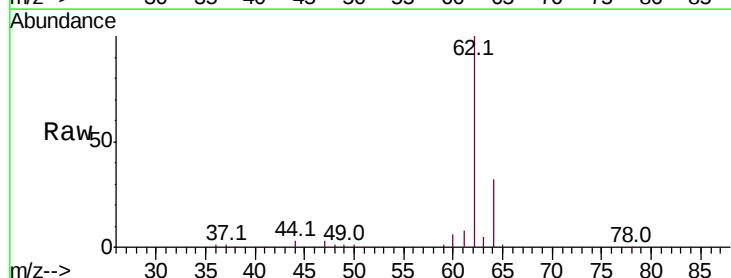
Acq: 19 Dec 2018 09:49

Tgt Ion: 62 Resp: 96722

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

100000

80000

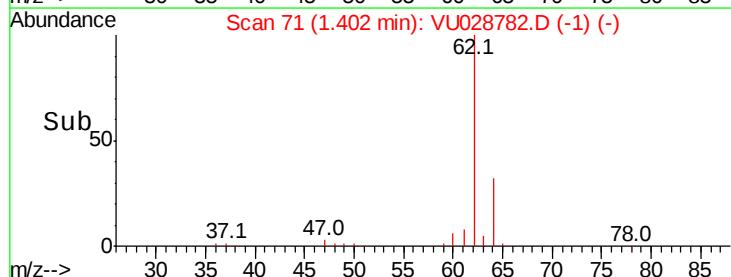
60000

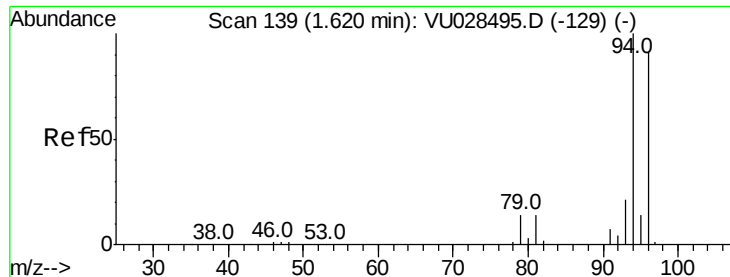
40000

20000

0

Time-->





#5

Bromomethane

Concen: 58.984 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

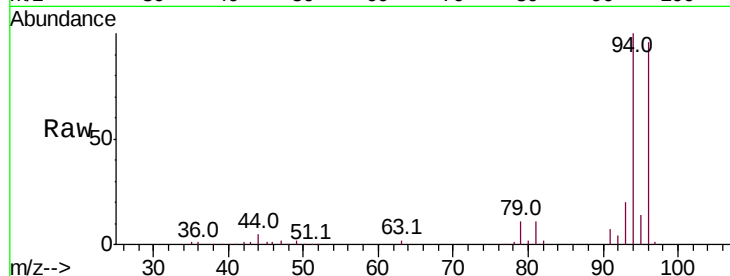
VSTDCCC050

Tot Ion: 94 Resp: 48074

Ion Ratio Lower Upper

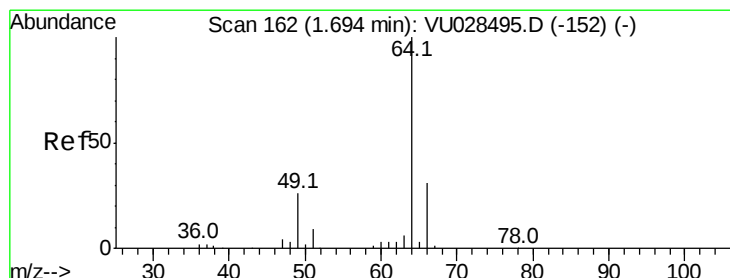
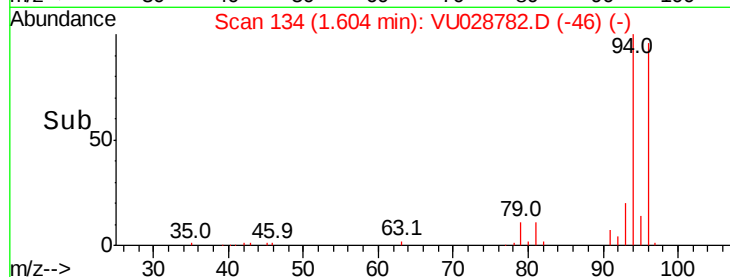
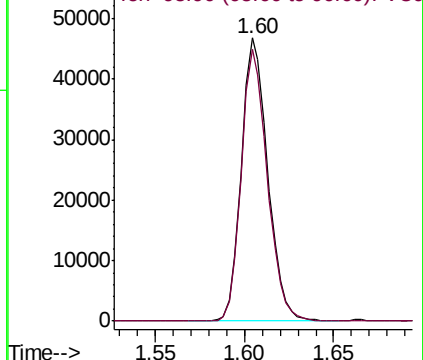
94 100

96 96.0 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 48.343 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028782.D

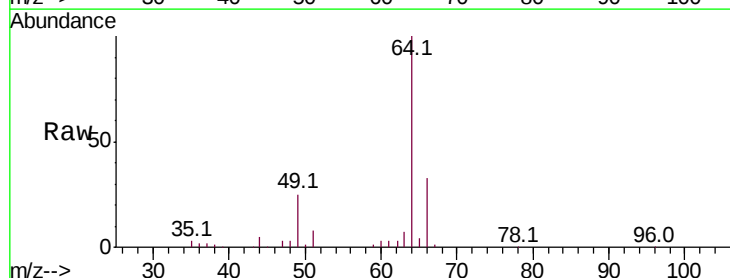
Acq: 19 Dec 2018 09:49

Tgt Ion: 64 Resp: 55374

Ion Ratio Lower Upper

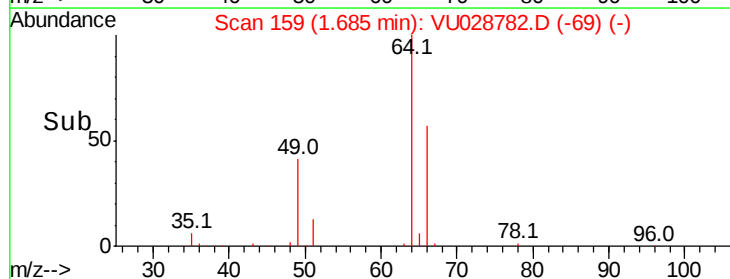
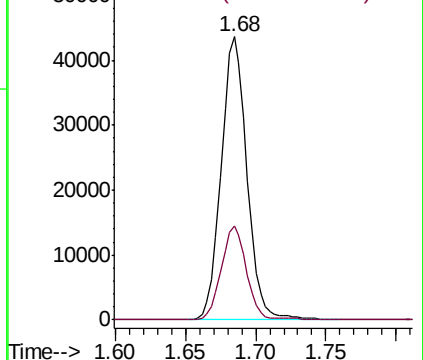
64 100

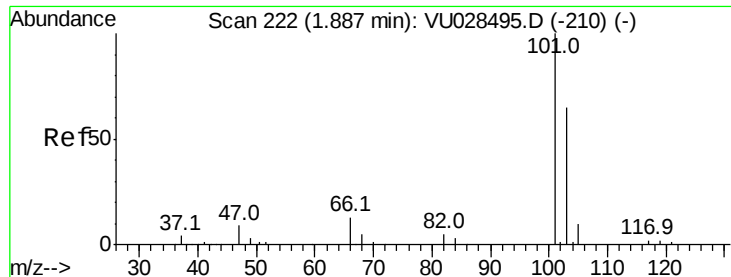
66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



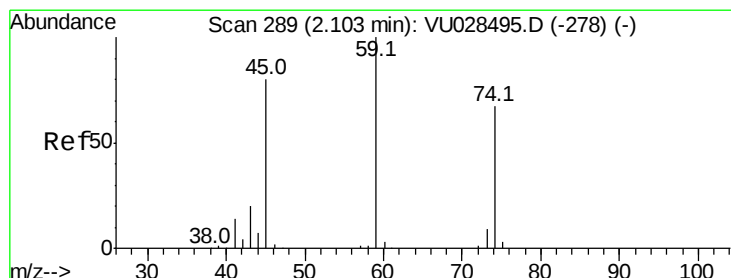
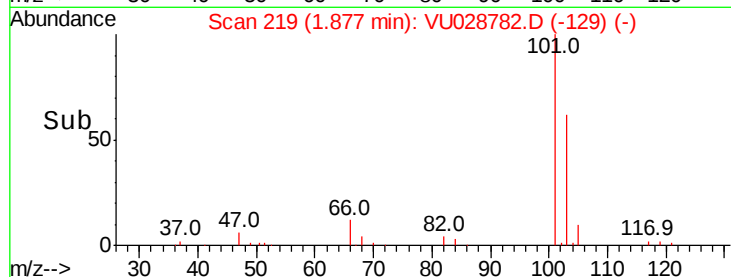
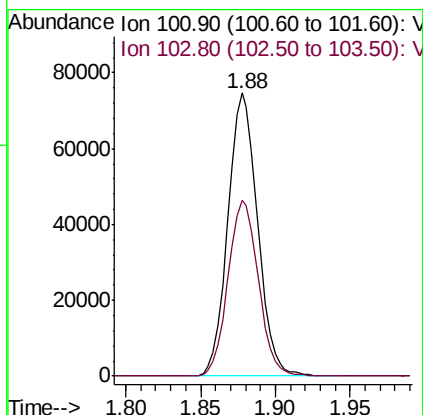
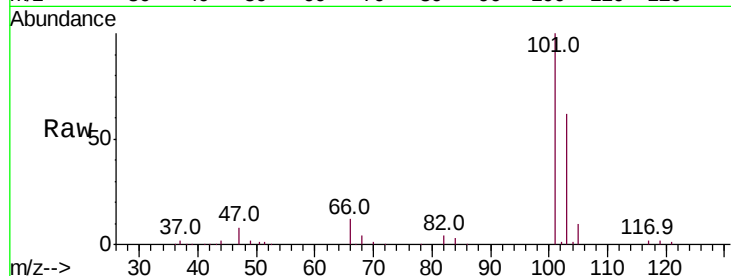


#7

Trichlorofluoromethane
Concen: 48.527 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028782.D
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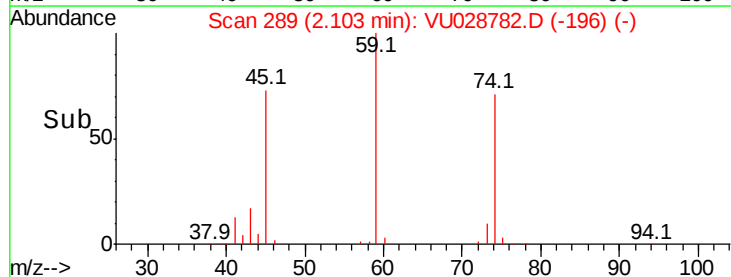
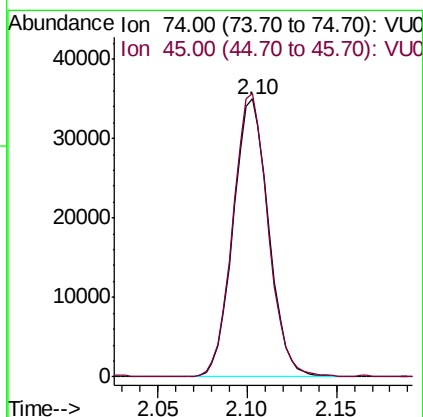
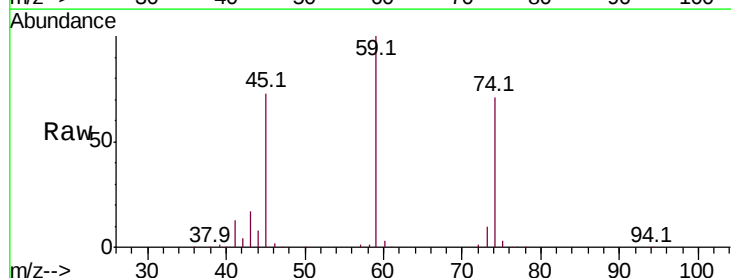
Tot Ion:101 Resp: 103301
Ion Ratio Lower Upper
101 100
103 62.1 52.3 78.5

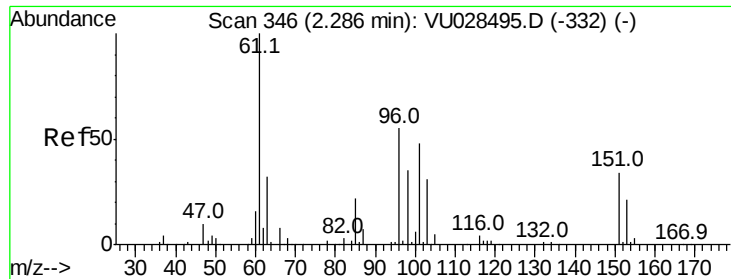


#8

Diethyl Ether
Concen: 48.588 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 74 Resp: 48391
Ion Ratio Lower Upper
74 100
45 101.4 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.474 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

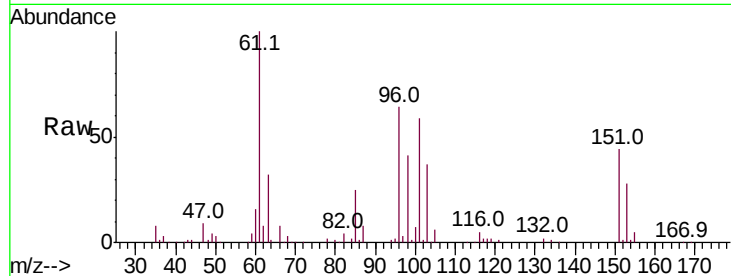
Tot Ion:101 Resp: 68080

Ion Ratio Lower Upper

101 100

85 42.2 36.4 54.6

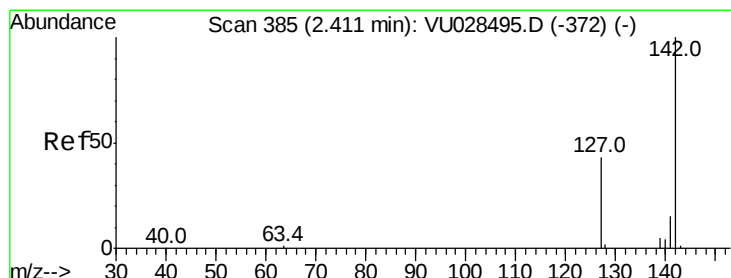
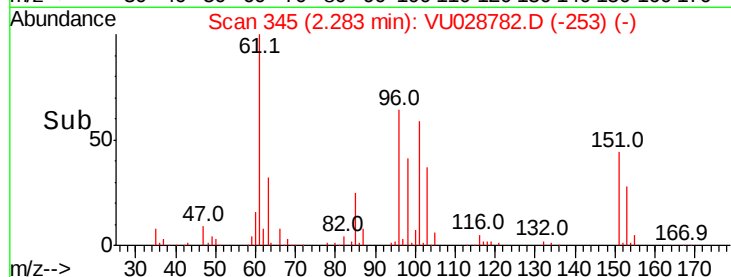
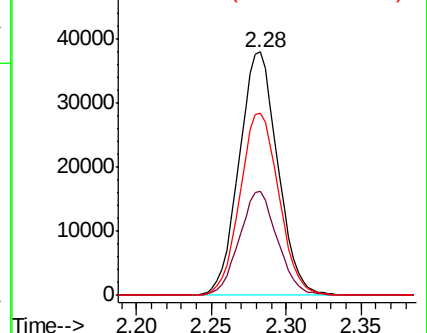
151 75.6 58.2 87.2



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: 67.031 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

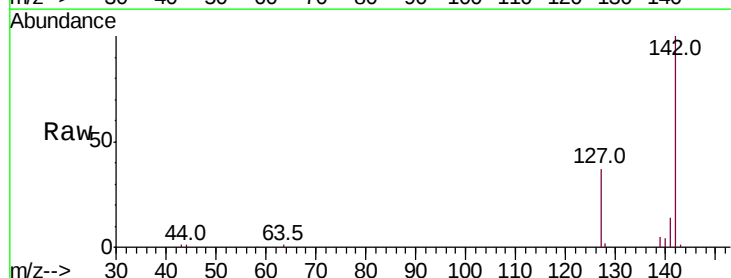
Tgt Ion:142 Resp: 66962

Ion Ratio Lower Upper

142 100

127 37.5 33.5 50.3

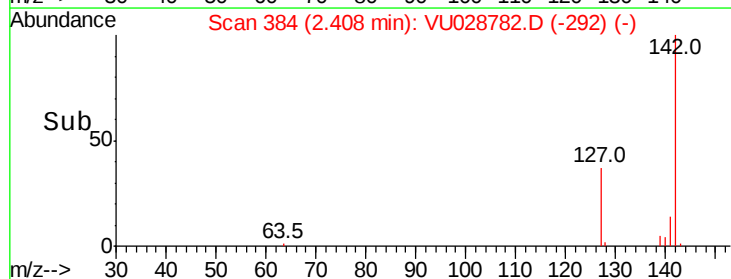
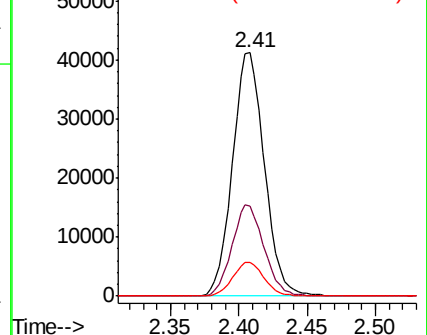
141 13.8 11.2 16.8

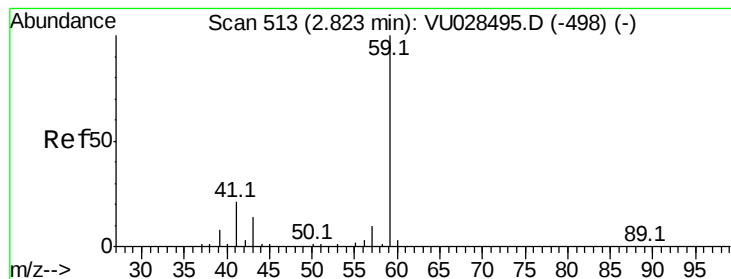


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



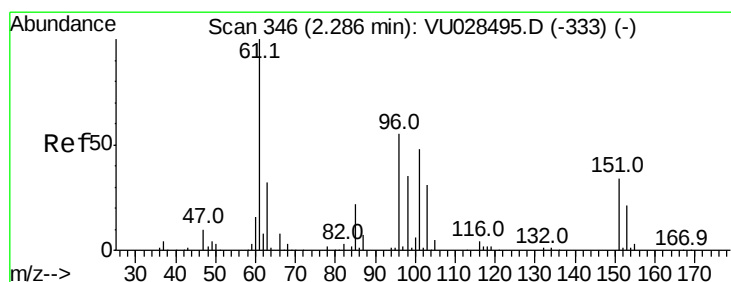
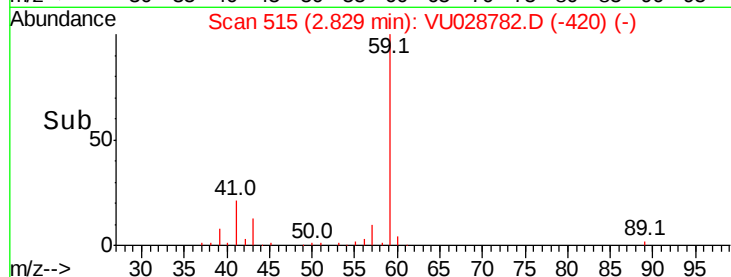
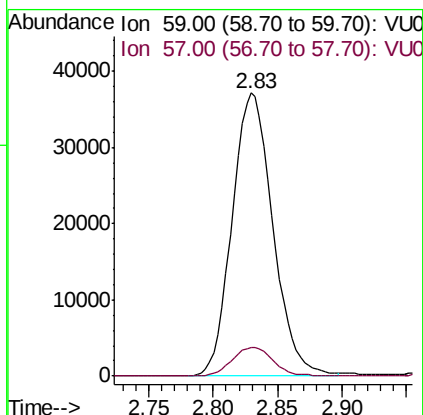
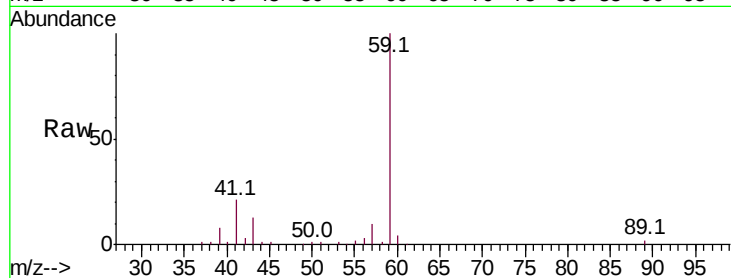


#11

Tert butyl alcohol
 Concen: 211.378 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

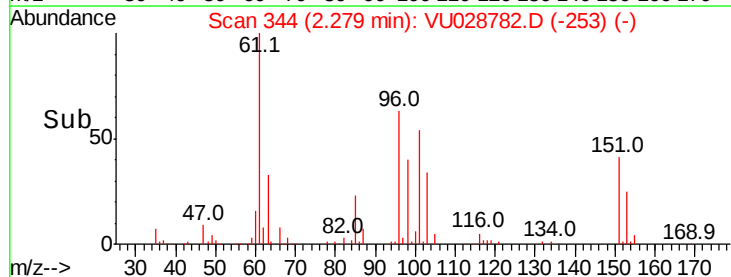
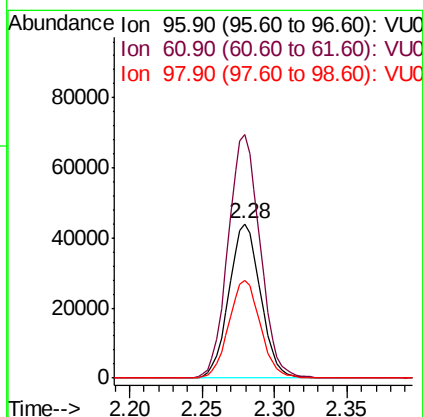
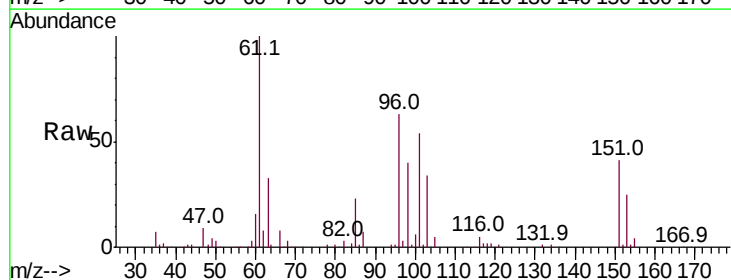
Tot Ion: 59 Resp: 81768
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.0 12.0

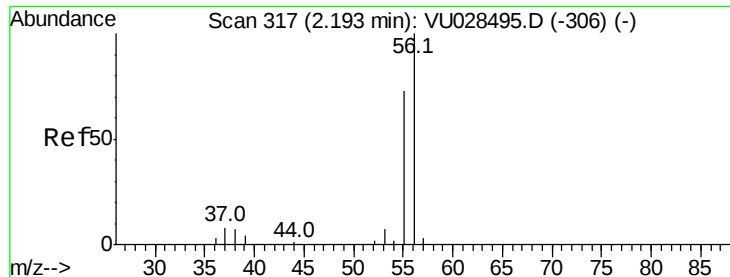


#12

1,1-Dichloroethene
 Concen: 52.623 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion: 96 Resp: 66660
 Ion Ratio Lower Upper
 96 100
 61 157.9 146.4 219.6
 98 63.4 51.8 77.8

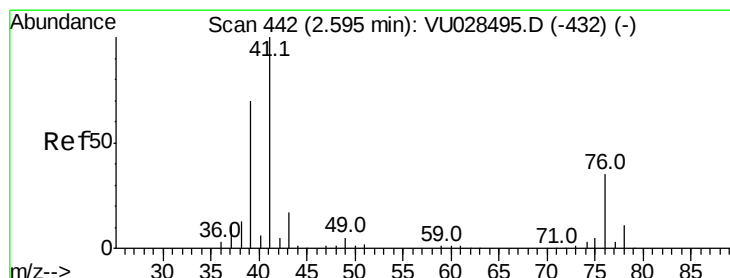
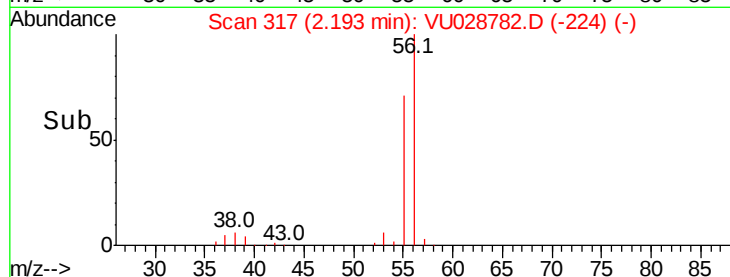
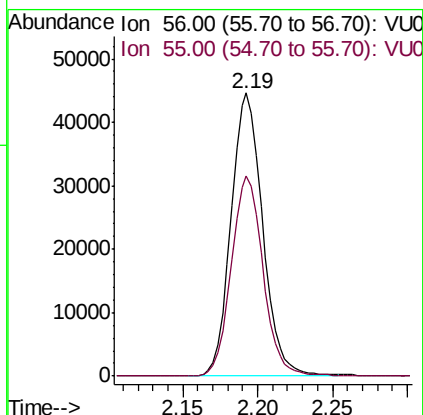
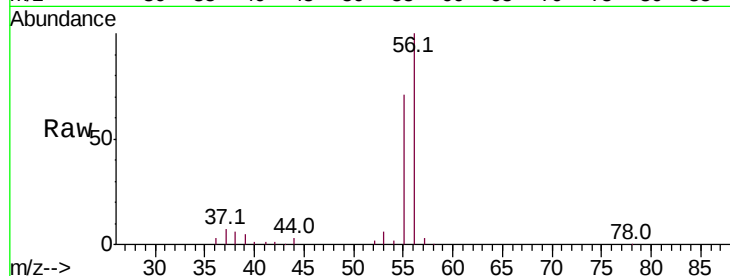




#13
Acrolein
Concen: 213.156 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

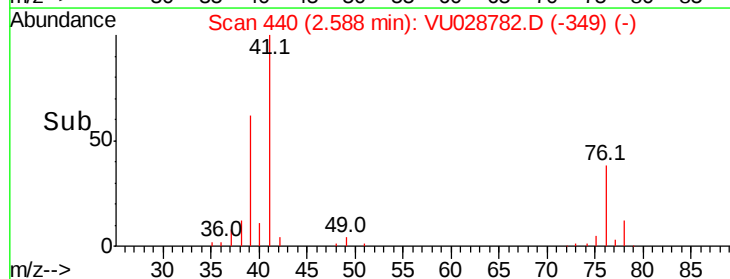
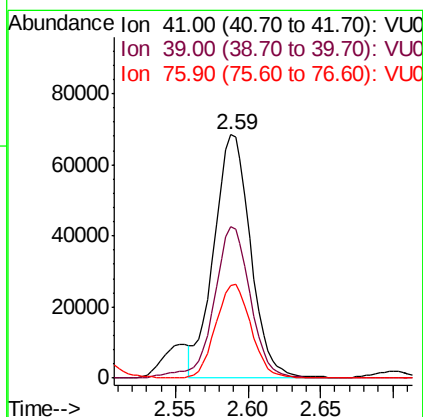
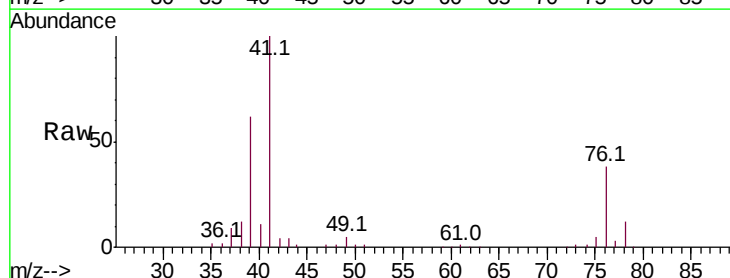
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

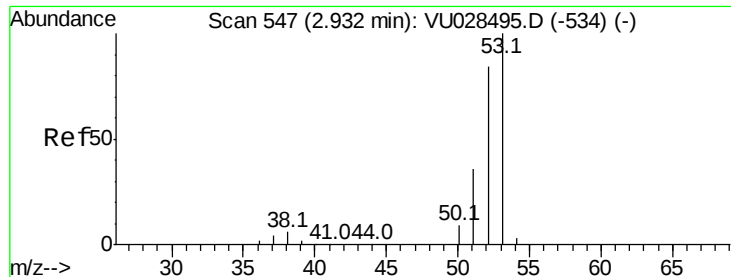
Tot Ion: 56 Resp: 65733
Ion Ratio Lower Upper
56 100
55 70.8 57.5 86.3



#14
Allyl chloride
Concen: 40.211 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.01 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 41 Resp: 120499
Ion Ratio Lower Upper
41 100
39 61.6 50.8 76.2
76 36.9 24.8 37.2





#15

Acrylonitrile

Concen: 226.052 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

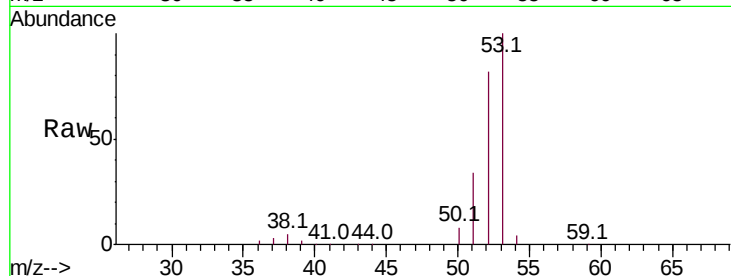
Tot Ion: 53 Resp: 242773

Ion Ratio Lower Upper

53 100

52 81.4 66.1 99.1

51 34.5 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU028495.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VU028495.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VU028495.D (-534) (-)

2.93

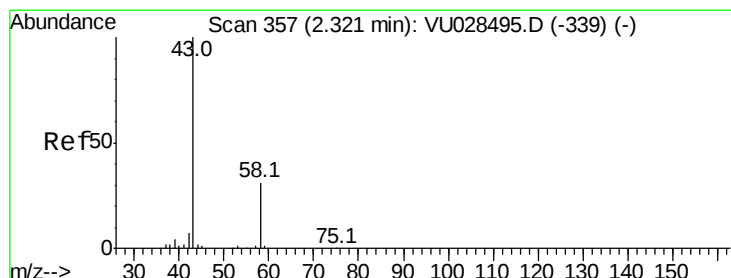
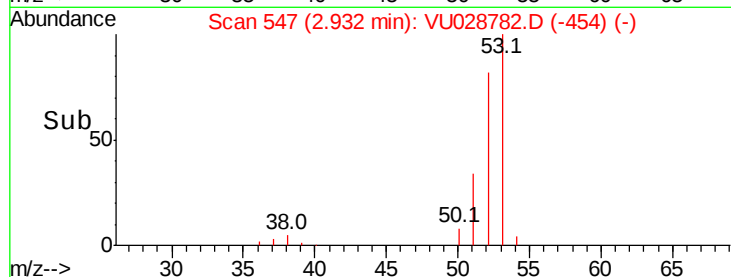
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 211.864 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028782.D

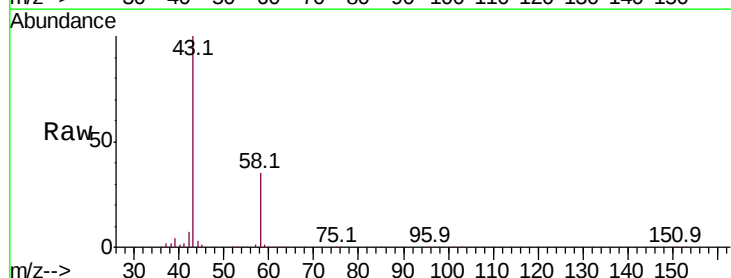
Acq: 19 Dec 2018 09:49

Tgt Ion: 43 Resp: 240041

Ion Ratio Lower Upper

43 100

58 35.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-339) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-339) (-)

2.32

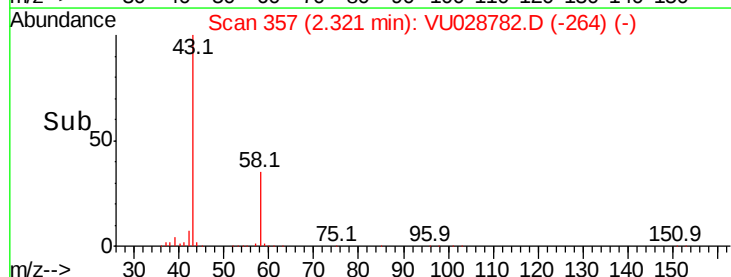
150000

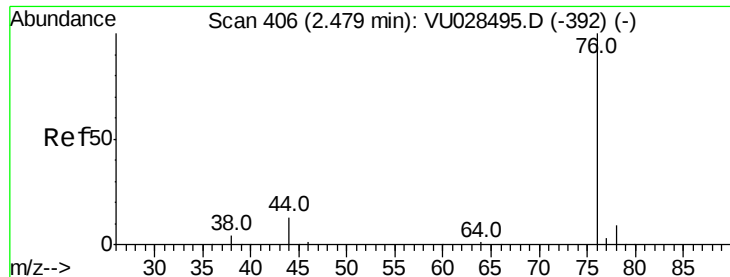
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 48.416 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

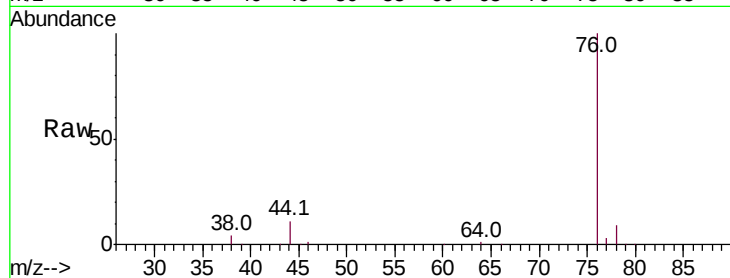
VSTDCCC050

Tot Ion: 76 Resp: 220942

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU028495.D (-392) (-)

2.47

150000

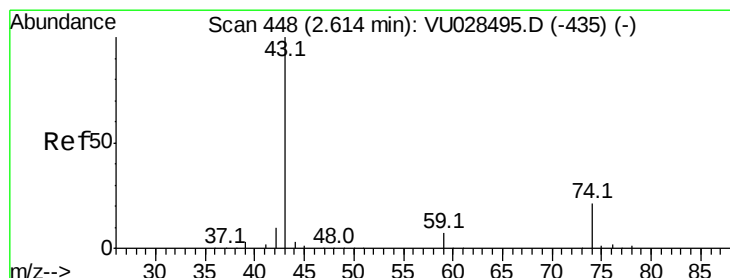
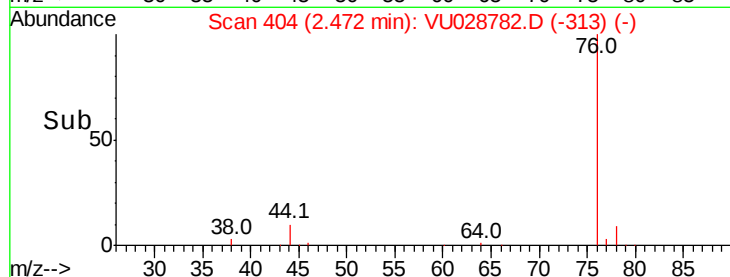
100000

50000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 43.544 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028782.D

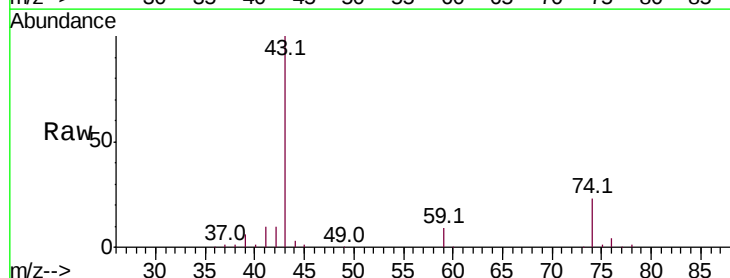
Acq: 19 Dec 2018 09:49

Tgt Ion: 43 Resp: 127889

Ion Ratio Lower Upper

43 100

74 23.7 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028495.D (-435) (-)

2.61

80000

60000

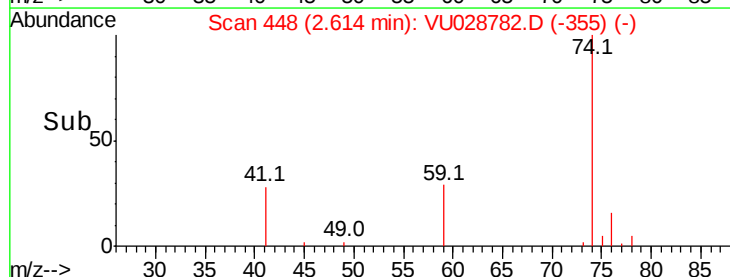
40000

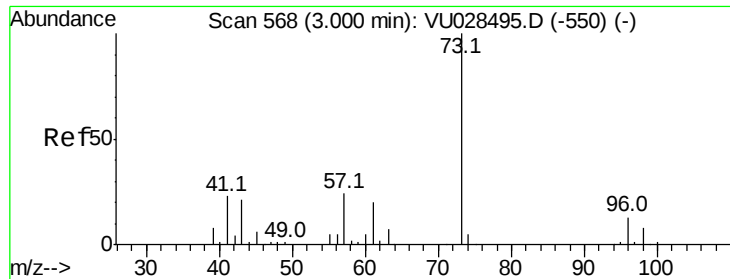
20000

0

Time-->

2.55 2.60 2.65 2.70

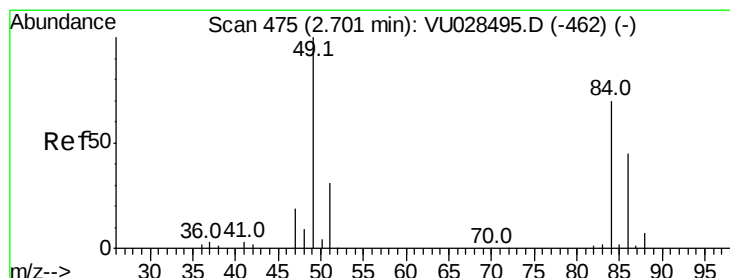
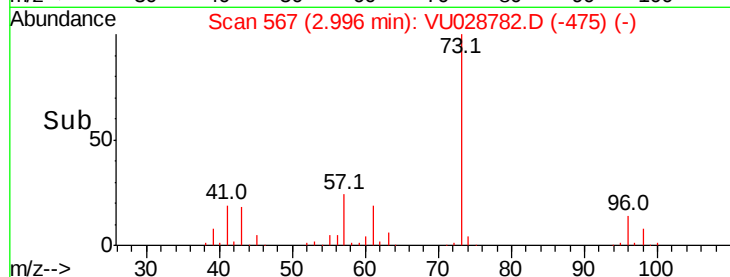
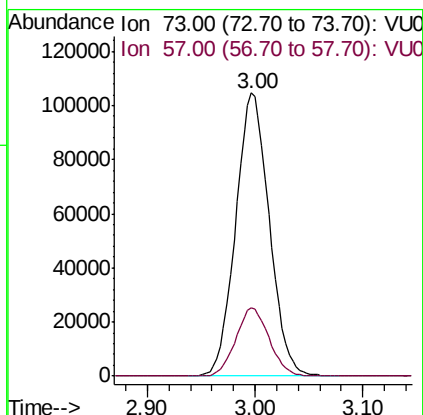
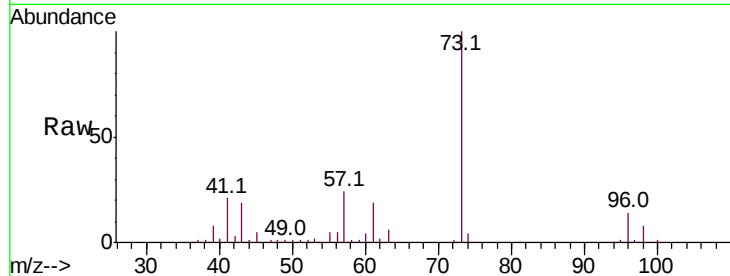




#19
Methyl tert-butyl Ether
Concen: 47.291 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

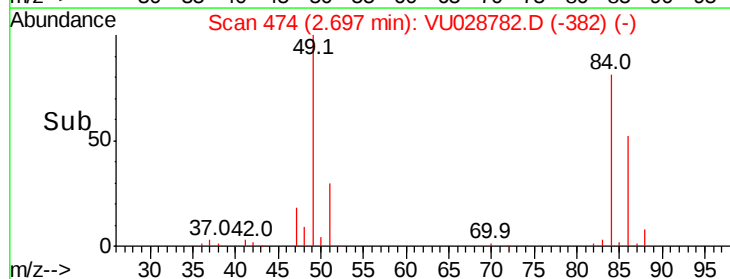
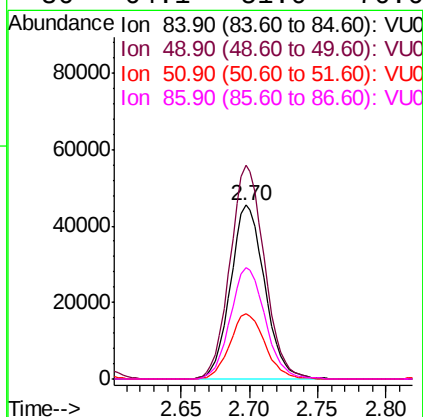
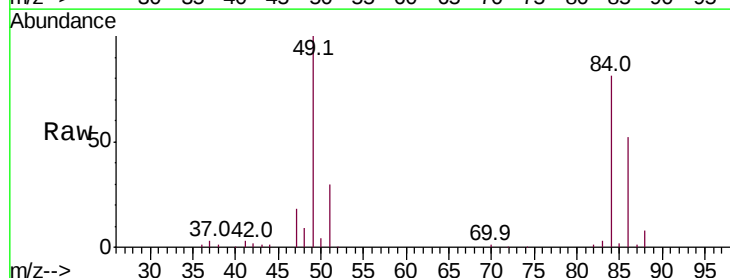
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

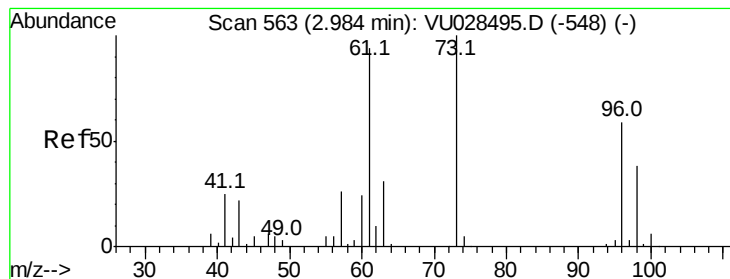
Tot Ion: 73 Resp: 227097
Ion Ratio Lower Upper
73 100
57 23.9 19.4 29.2



#20
Methylene Chloride
Concen: 47.626 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 84 Resp: 79545
Ion Ratio Lower Upper
84 100
49 122.7 114.0 171.0
51 37.4 35.1 52.7
86 64.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.517 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

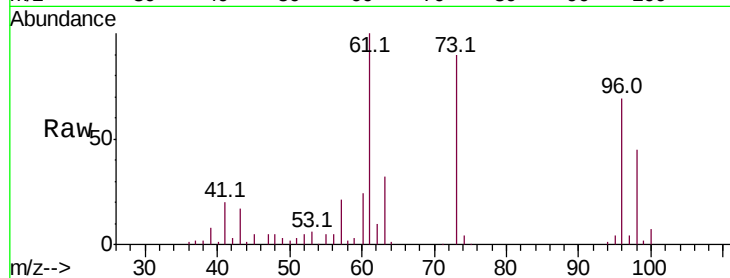
Tot Ion: 96 Resp: 72050

Ion Ratio Lower Upper

96 100

61 145.2 127.0 190.4

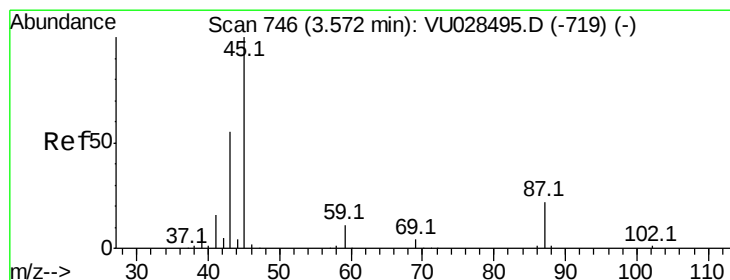
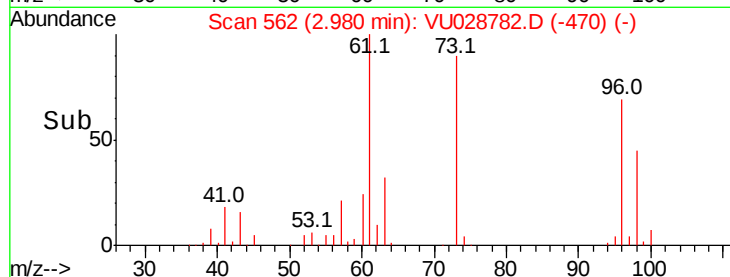
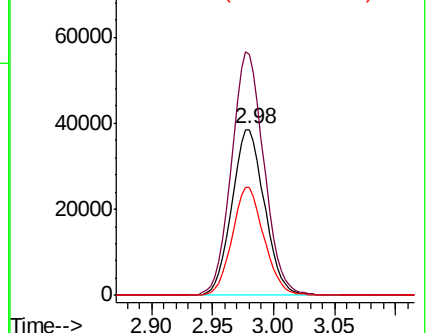
98 64.8 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 43.468 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Tgt Ion: 45 Resp: 253310

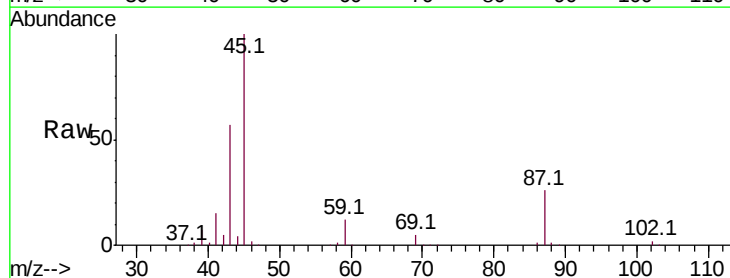
Ion Ratio Lower Upper

45 100

43 56.0 45.3 67.9

87 25.5 17.6 26.4

59 11.9 8.8 13.2

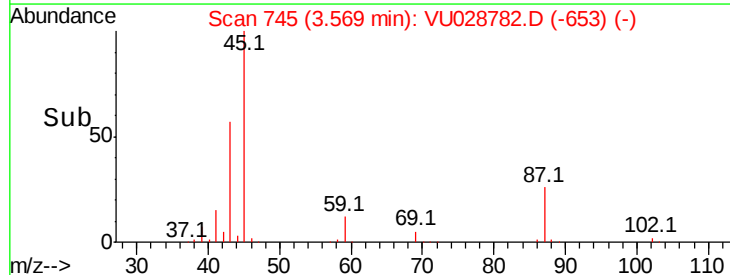
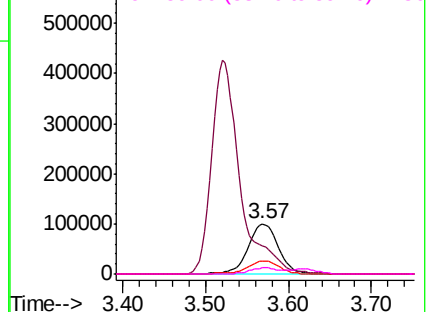


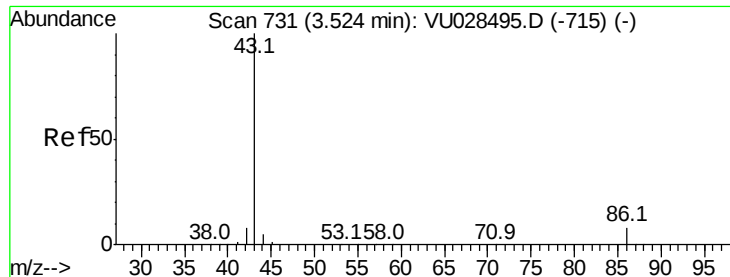
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 213.128 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

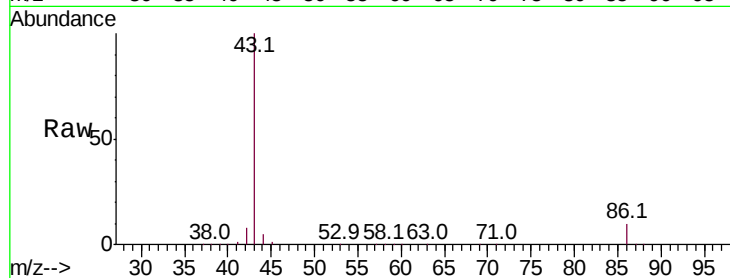
VSTDCCC050

Tot Ion: 43 Resp: 1024466

Ion Ratio Lower Upper

43 100

86 9.9 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028782.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028782.D (-638) (-)

3.52

400000

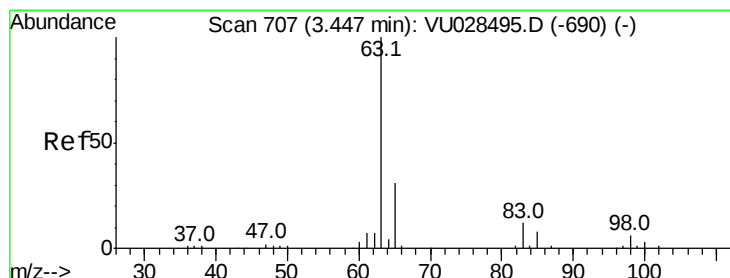
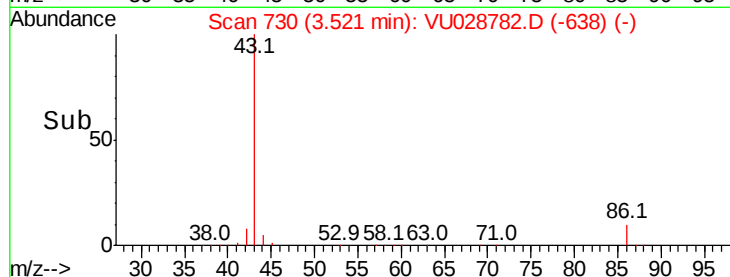
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.396 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

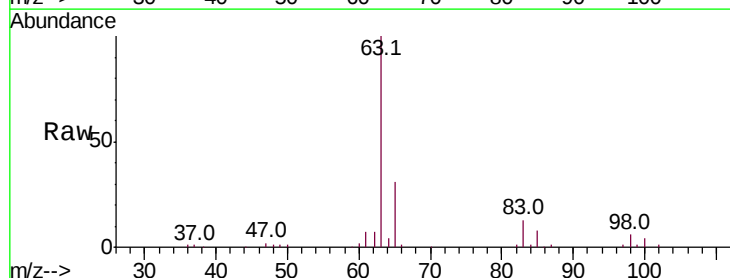
Tgt Ion: 63 Resp: 141529

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.3 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028782.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028782.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028782.D (-614) (-)

3.44

80000

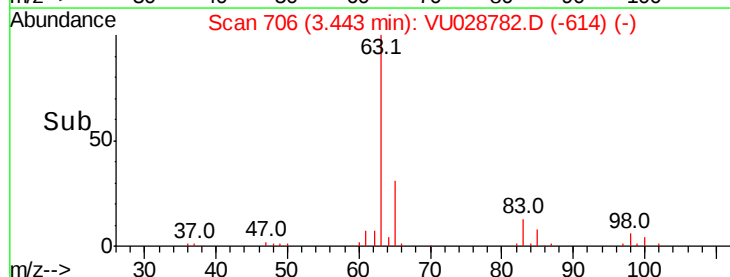
60000

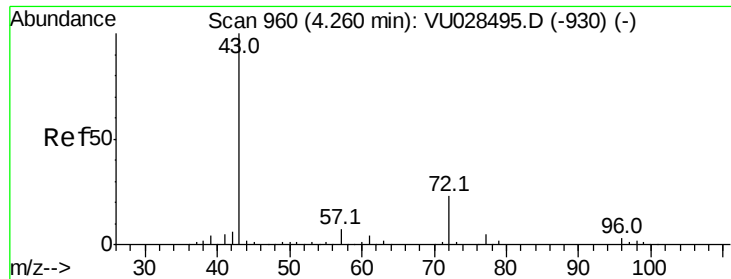
40000

20000

0

Time-->





#25

2-Butanone

Concen: 213.577 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

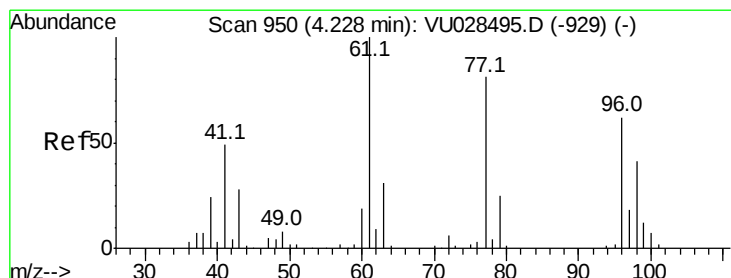
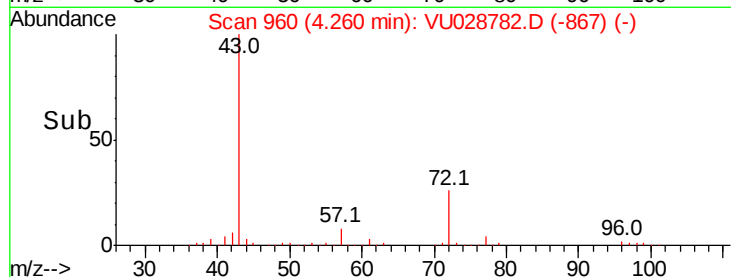
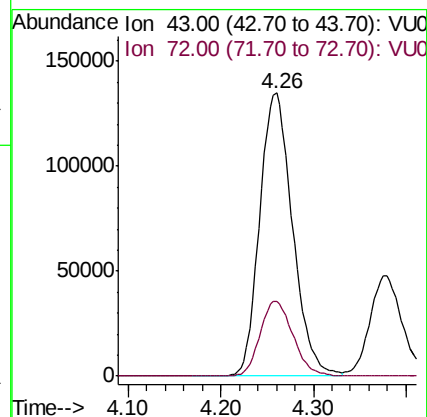
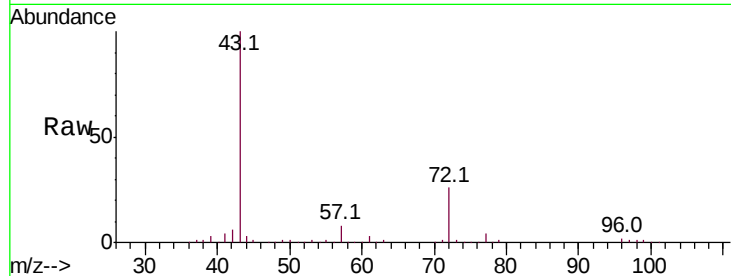
VSTDCCC050

Tot Ion: 43 Resp: 330692

Ion Ratio Lower Upper

43 100

72 26.4 18.6 28.0



#26

2,2-Dichloropropane

Concen: 47.070 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028782.D

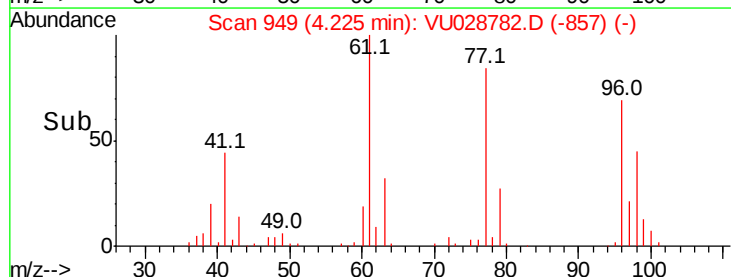
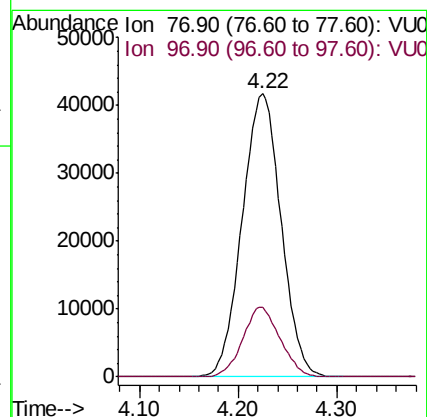
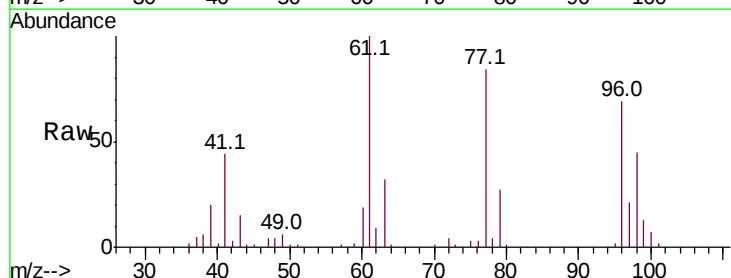
Acq: 19 Dec 2018 09:49

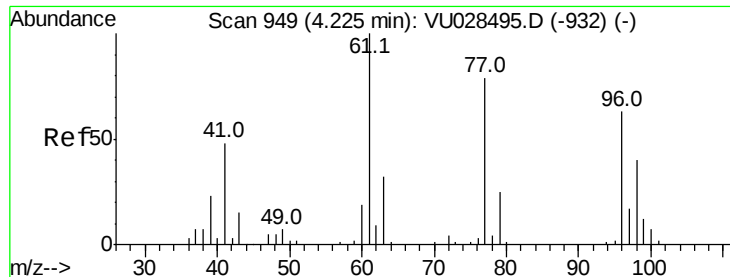
Tgt Ion: 77 Resp: 113772

Ion Ratio Lower Upper

77 100

97 23.6 11.0 33.0



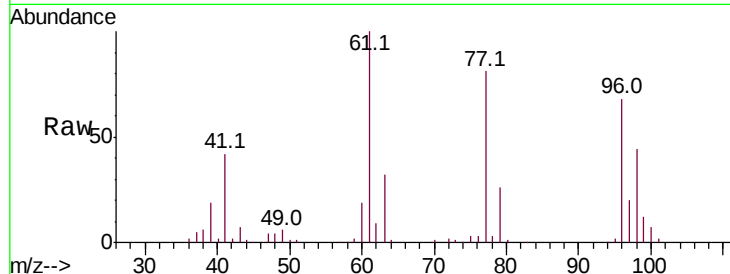


#27

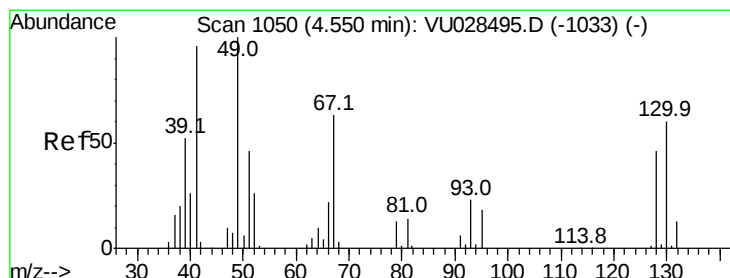
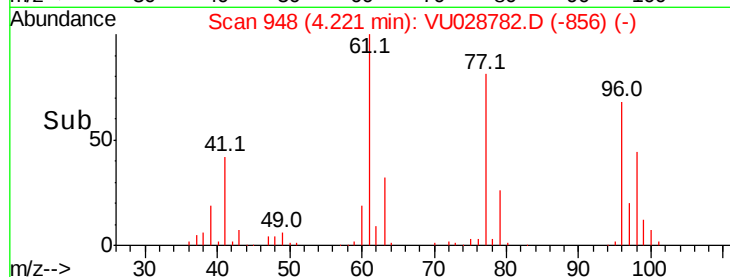
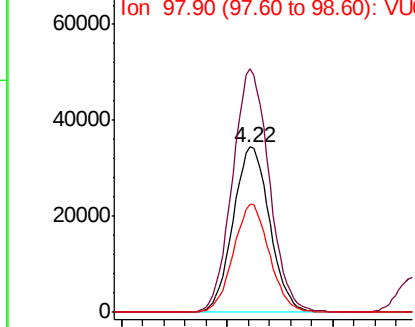
cis-1,2-Dichloroethene
Concen: 51.673 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 83415
Ion Ratio Lower Upper
96 100
61 147.9 0.0 332.4
98 64.2 0.0 129.0



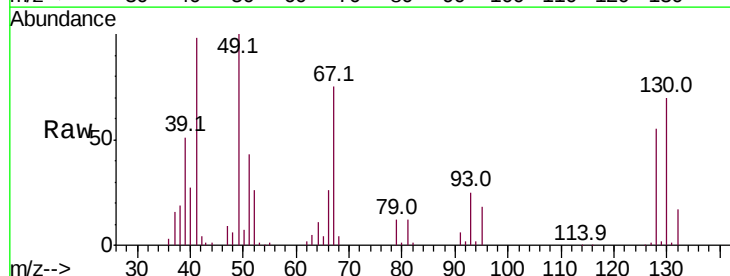
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



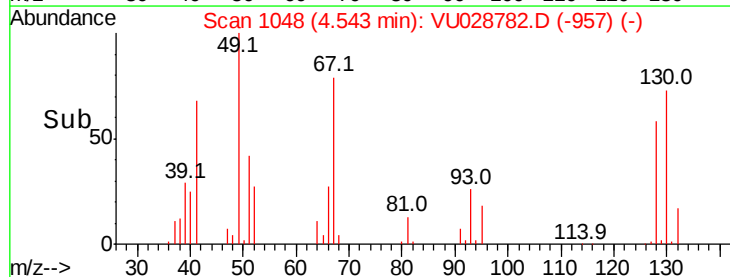
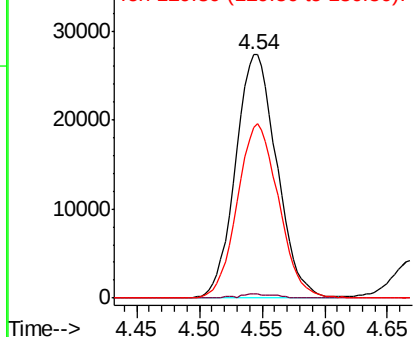
#28

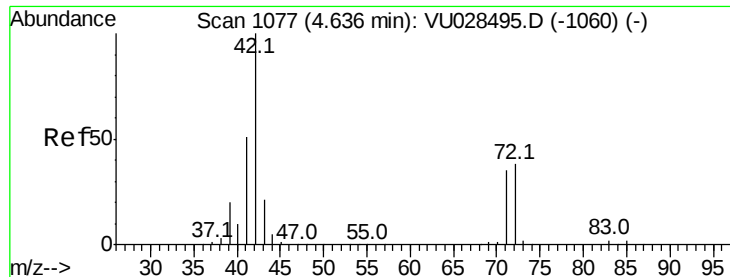
Bromochloromethane
Concen: 45.162 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 49 Resp: 62629
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.0
130 71.6 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: 207.631 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

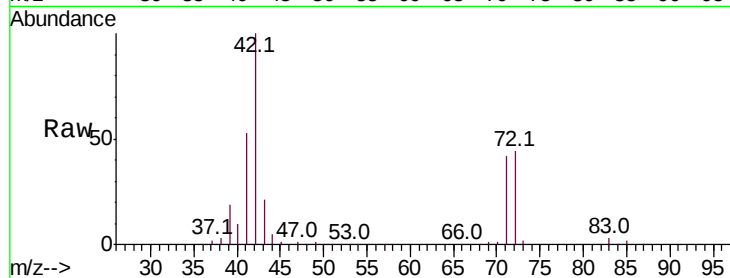
Tot Ion: 42 Resp: 206470

Ion Ratio Lower Upper

42 100

72 44.7 31.4 47.0

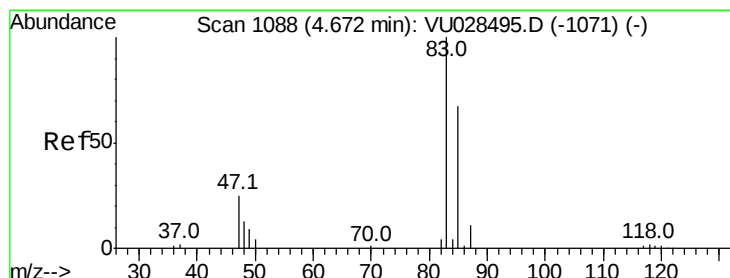
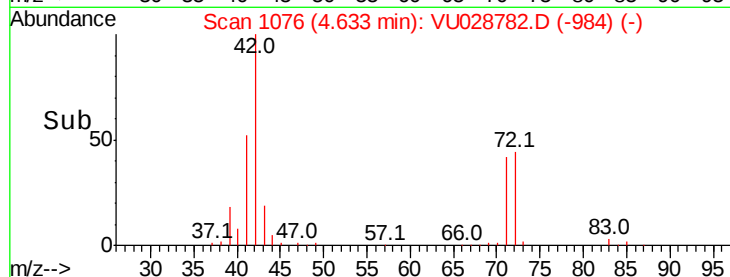
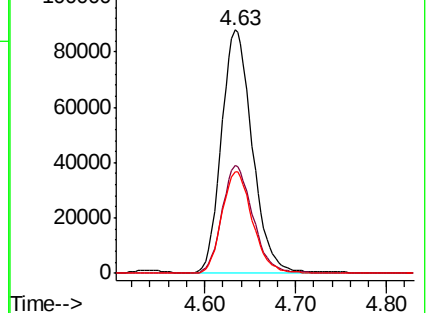
71 41.7 28.6 43.0



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: 48.920 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028782.D

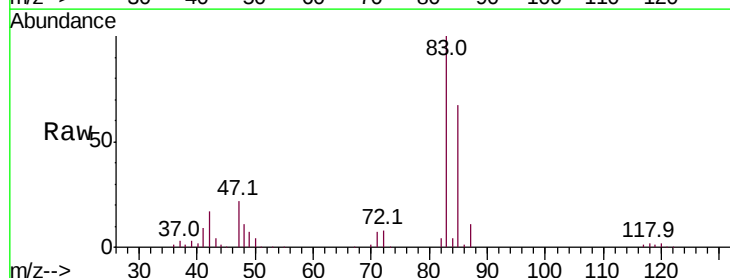
Acq: 19 Dec 2018 09:49

Tgt Ion: 83 Resp: 130064

Ion Ratio Lower Upper

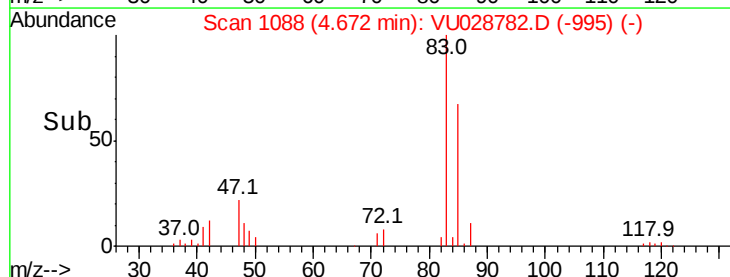
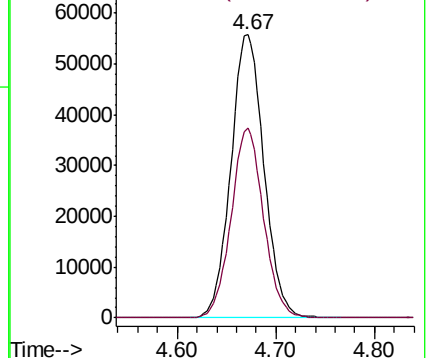
83 100

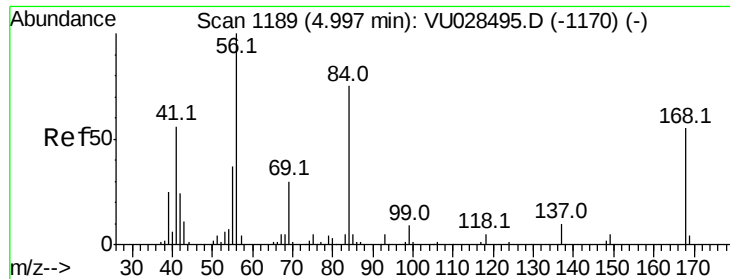
85 67.0 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

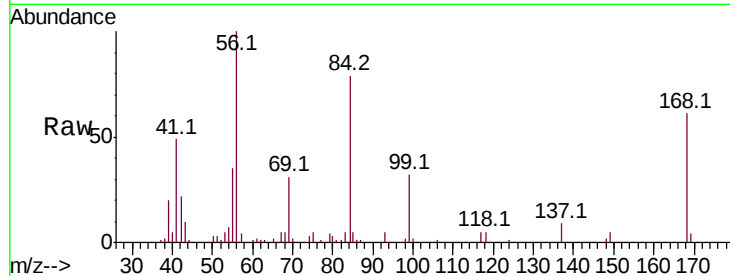




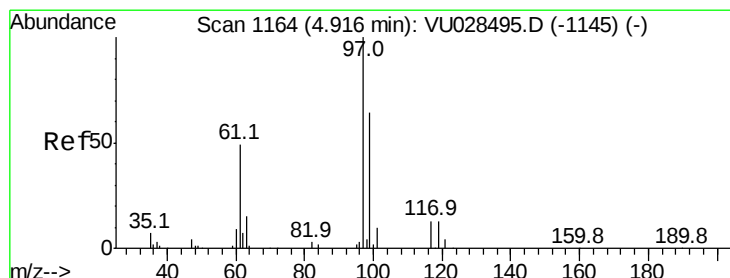
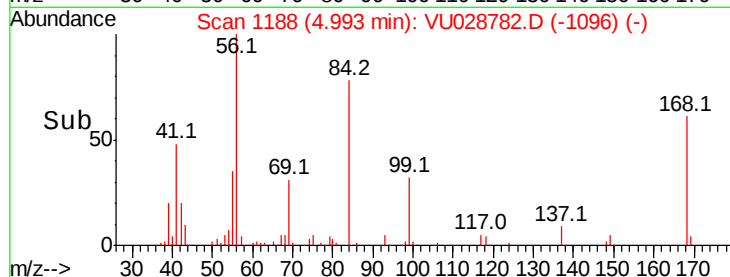
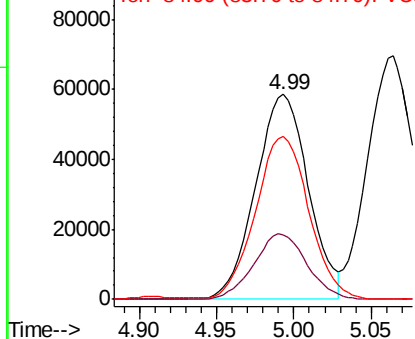
#31
Cyclohexane
Concen: 46.629 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 139047
Ion Ratio Lower Upper
56 100
69 31.4 24.0 36.0
84 78.6 59.7 89.5

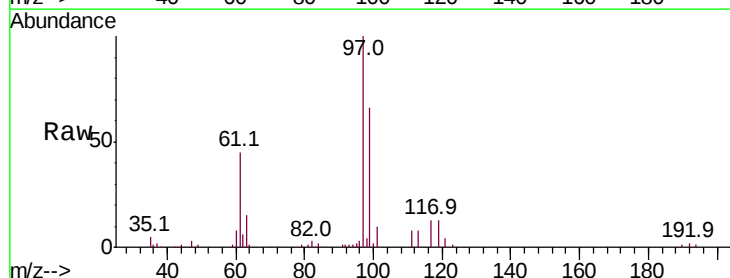


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

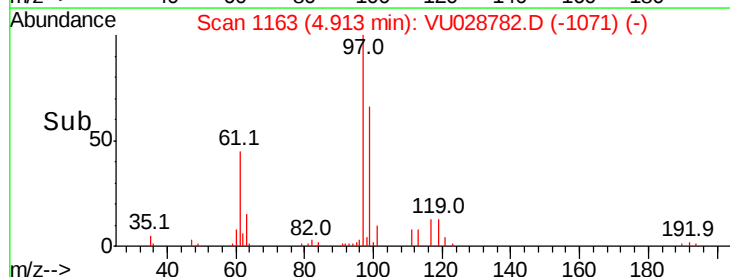
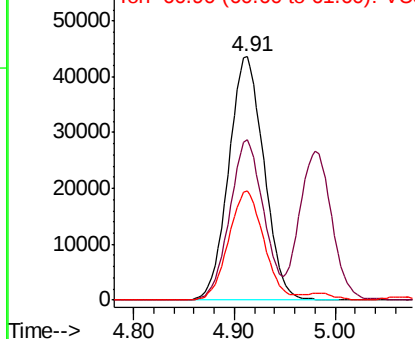


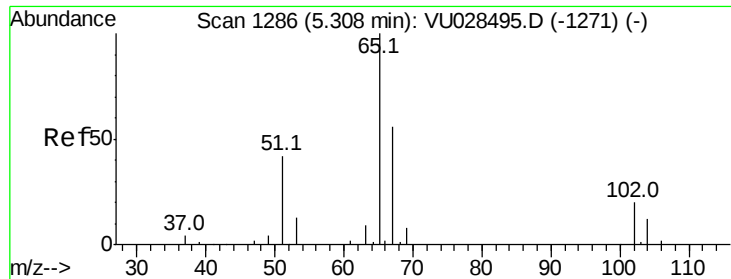
#32
1,1,1-Trichloroethane
Concen: 47.934 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 97 Resp: 105844
Ion Ratio Lower Upper
97 100
99 63.5 52.3 78.5
61 45.1 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

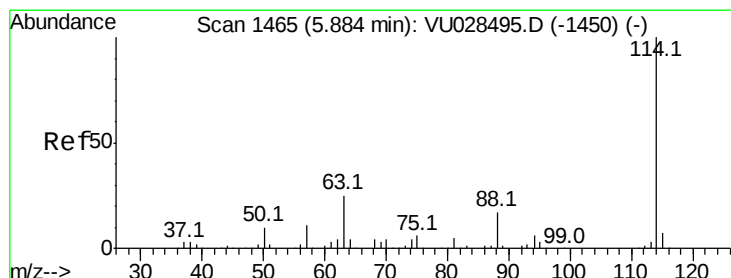
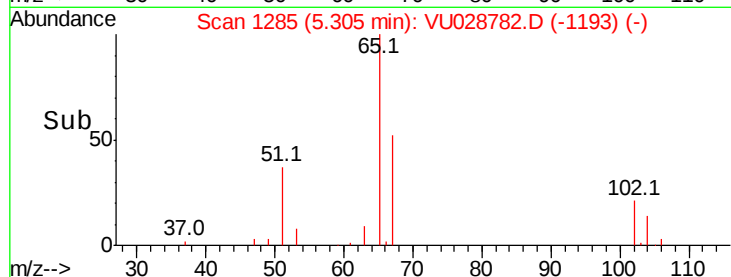
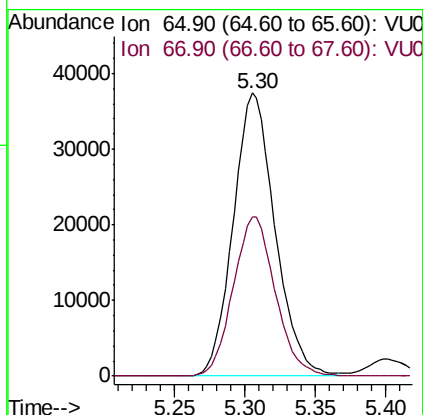
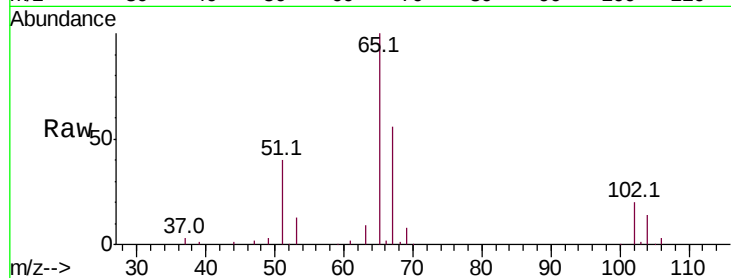




#33
 1,2-Dichloroethane-d4
 Concen: 44.815 ug/l
 RT: 5.30 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

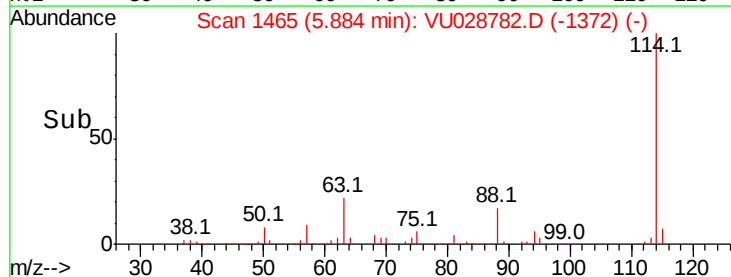
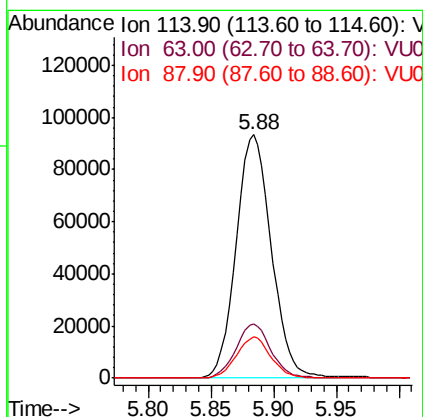
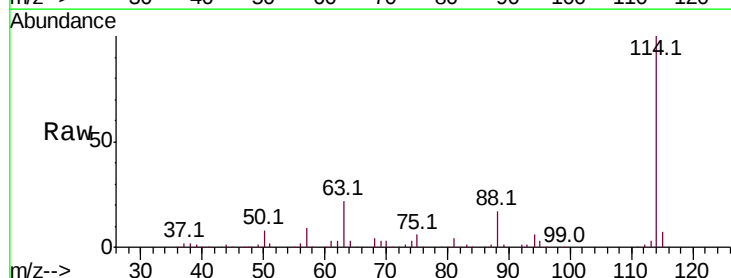
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

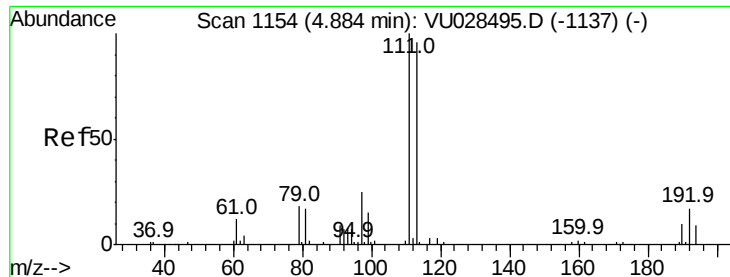
Tot Ion: 65 Resp: 77811
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion: 114 Resp: 182532
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 49.2
 88 16.8 0.0 33.4

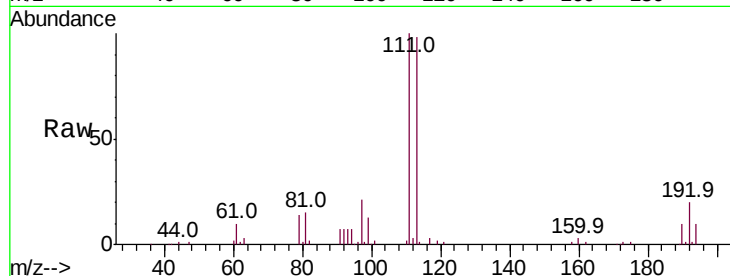




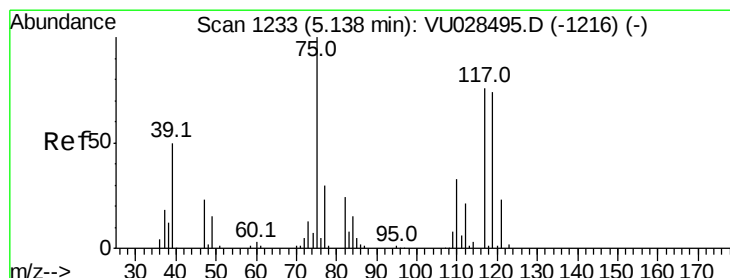
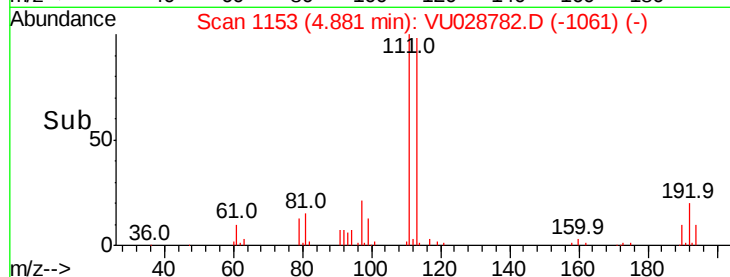
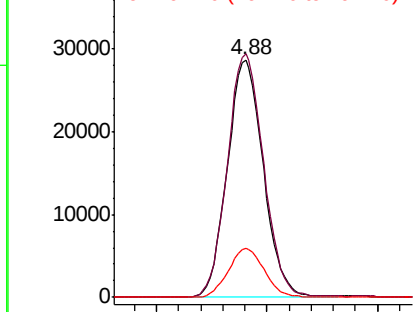
#35
 Dibromofluoromethane
 Concen: 56.566 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 64977
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.4 125.0
 192 20.4 14.8 22.2

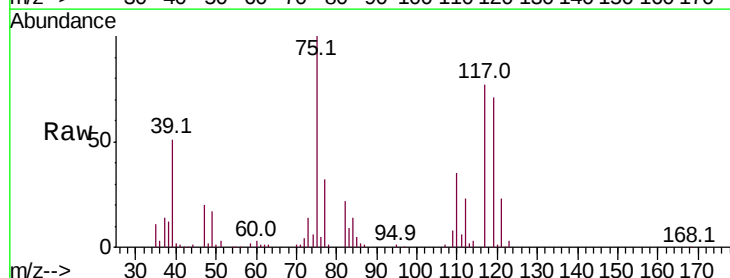


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

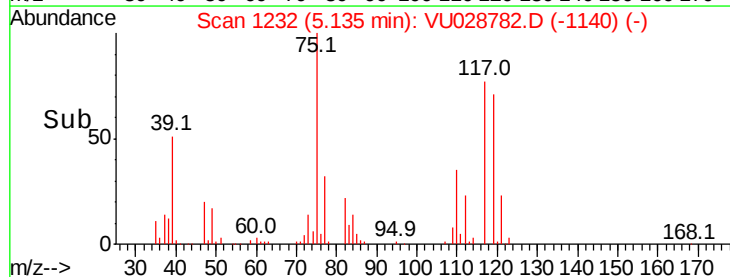
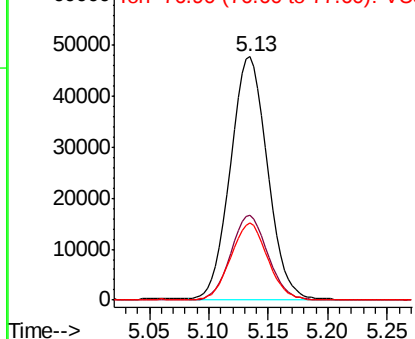


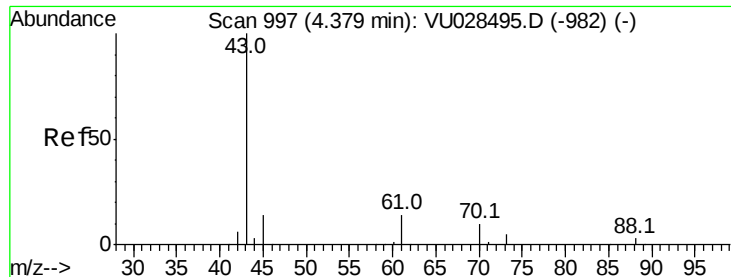
#36
 1,1-Dichloropropene
 Concen: 51.436 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion: 75 Resp: 102740
 Ion Ratio Lower Upper
 75 100
 110 35.0 16.1 48.2
 77 31.8 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

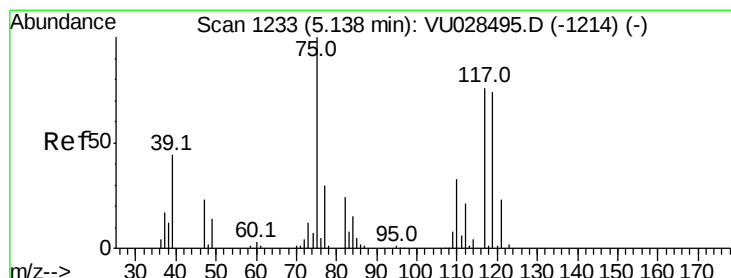
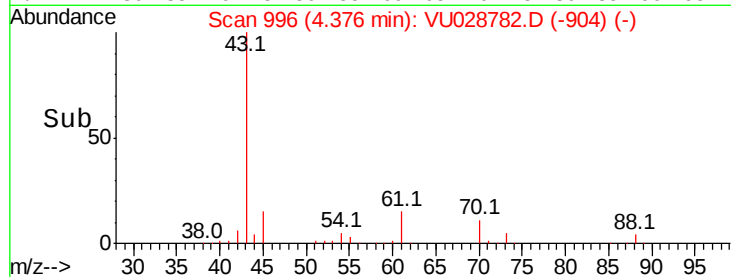
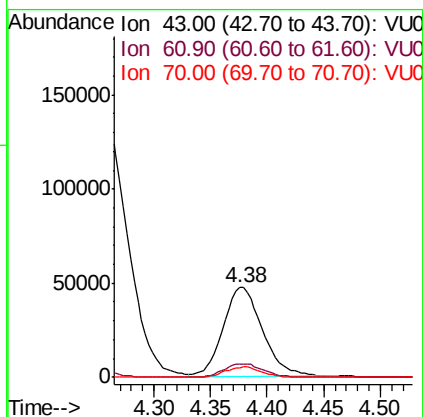
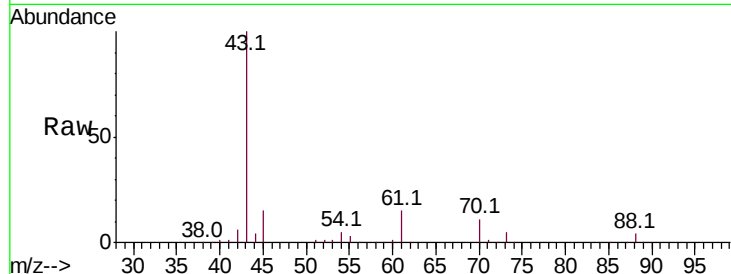




#37
Ethyl Acetate
Concen: 44.324 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

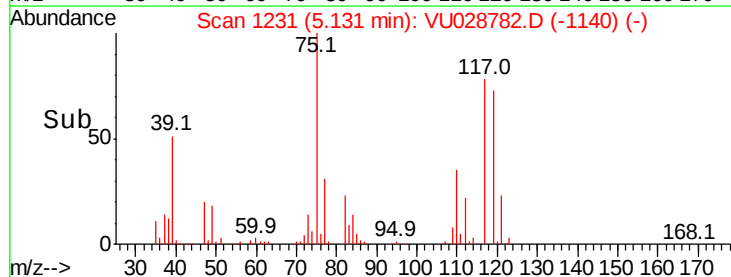
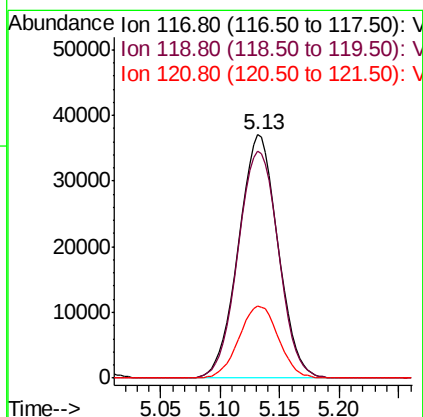
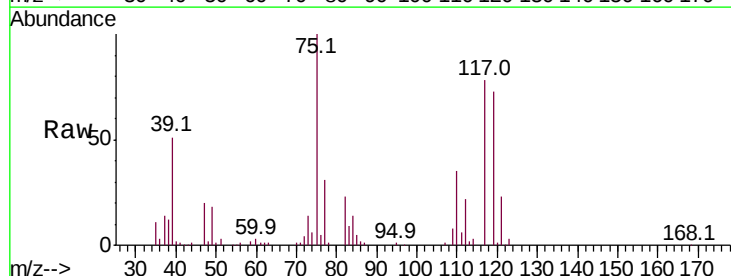
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

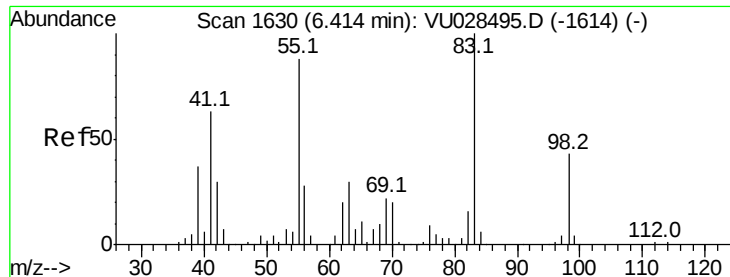
Tot Ion: 43 Resp: 114448
Ion Ratio Lower Upper
43 100
61 15.8 11.0 16.4
70 11.0 7.4 11.0



#38
Carbon Tetrachloride
Concen: 52.794 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 117 Resp: 84994
Ion Ratio Lower Upper
117 100
119 93.3 77.6 116.4
121 29.6 24.6 36.8





#39

Methvlcvclohexane

Concen: 54.299 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

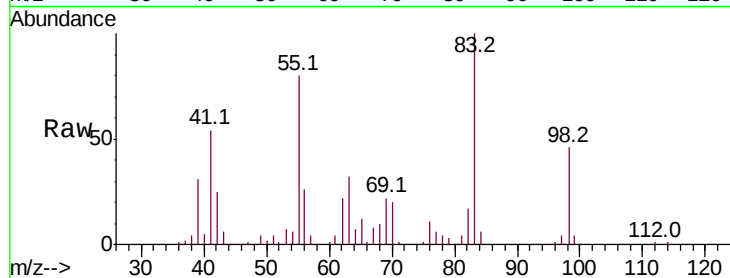
Tot Ion: 83 Resp: 132317

Ion Ratio Lower Upper

83 100

55 80.1 70.2 105.2

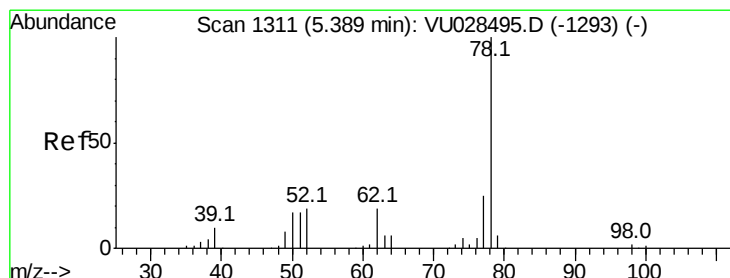
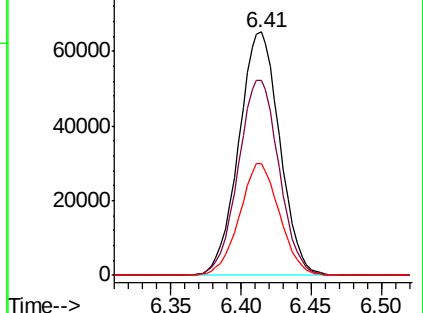
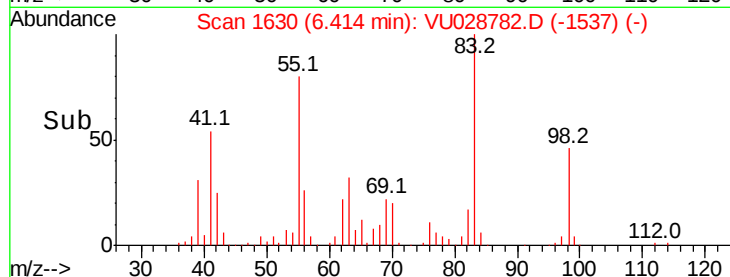
98 45.7 34.2 51.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#40

Benzene

Concen: 54.822 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU028782.D

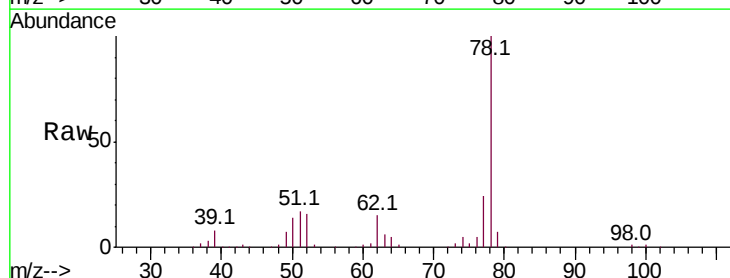
Acq: 19 Dec 2018 09:49

Tgt Ion: 78 Resp: 322508

Ion Ratio Lower Upper

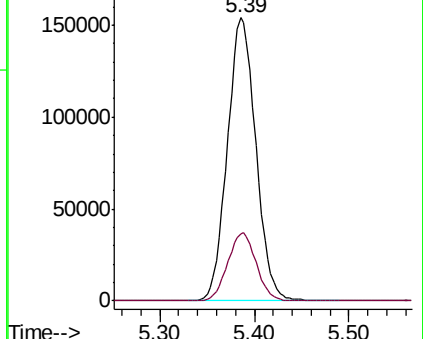
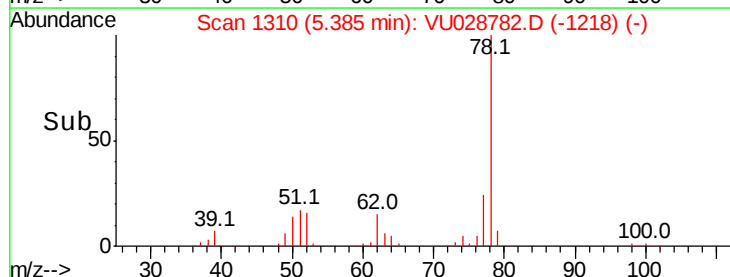
78 100

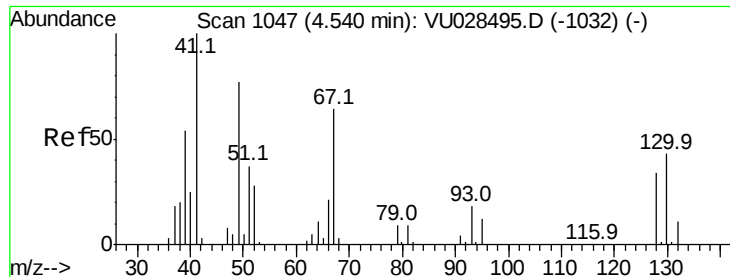
77 23.6 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

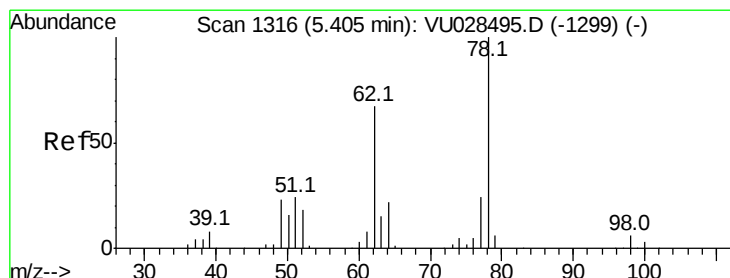
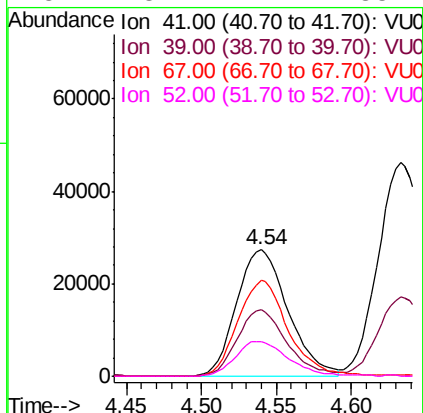
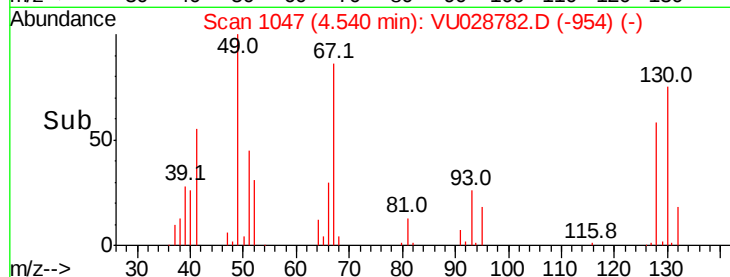
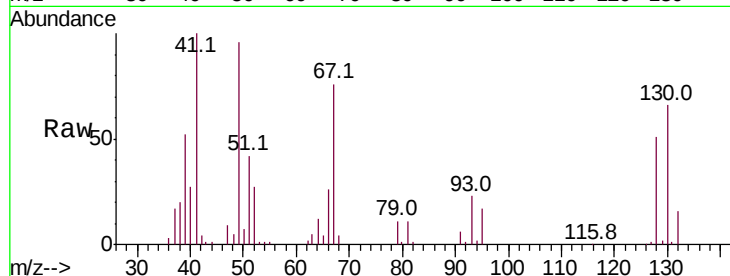




#41
Methacrylonitrile
Concen: 46.464 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

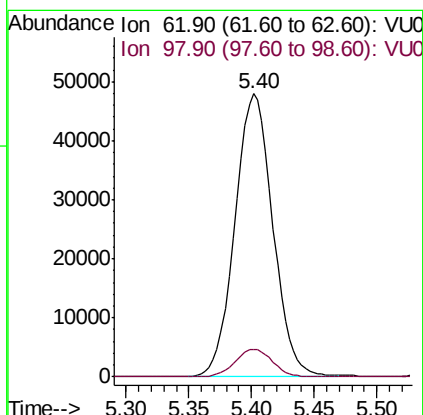
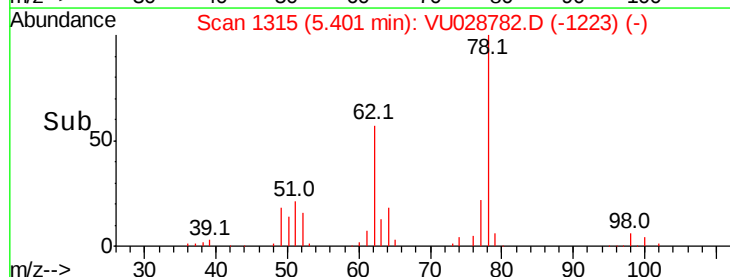
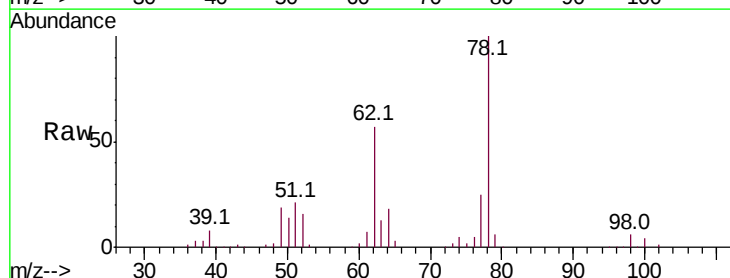
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

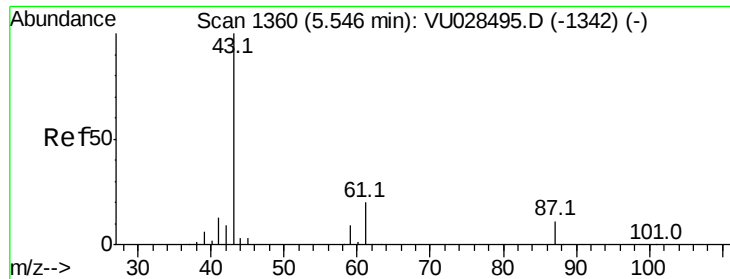
Tot Ion: 41 Resp: 65703
Ion Ratio Lower Upper
41 100
39 50.7 43.3 64.9
67 74.5 53.6 80.4
52 28.7 22.1 33.1



#42
1,2-Dichloroethane
Concen: 48.945 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 62 Resp: 100788
Ion Ratio Lower Upper
62 100
98 9.7 0.0 17.2





#43

Isopropyl Acetate

Concen: 45.904 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

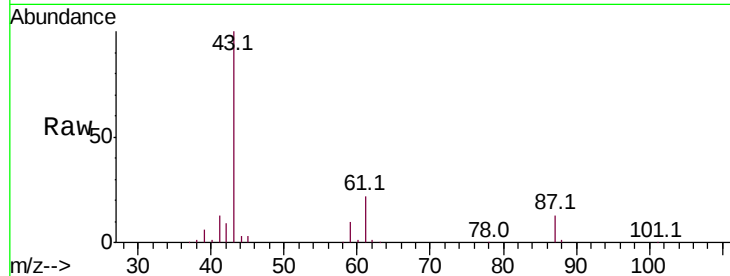
Tot Ion: 43 Resp: 187475

Ion Ratio Lower Upper

43 100

61 21.6 15.5 23.3

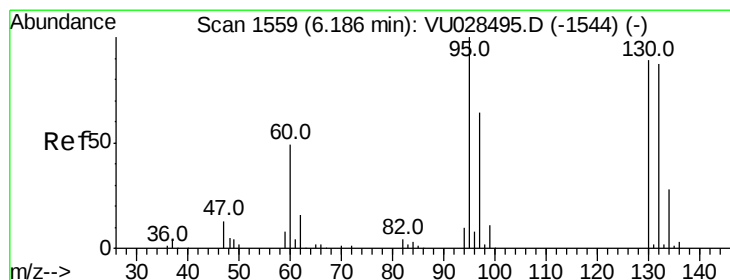
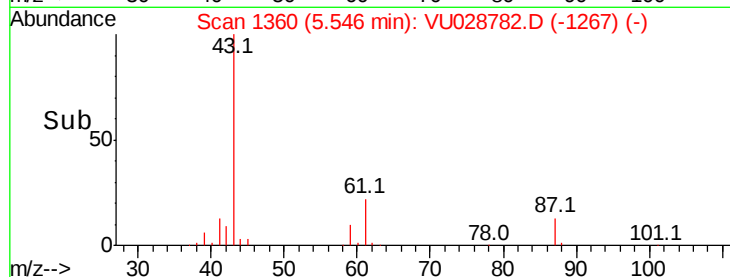
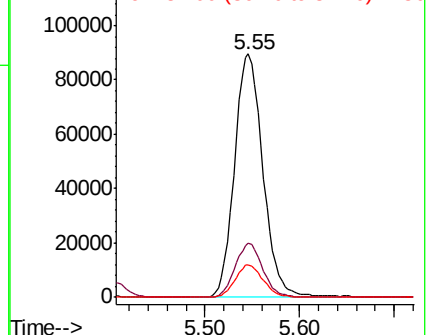
87 13.1 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028495.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)



#44

Trichloroethene

Concen: 57.691 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028782.D

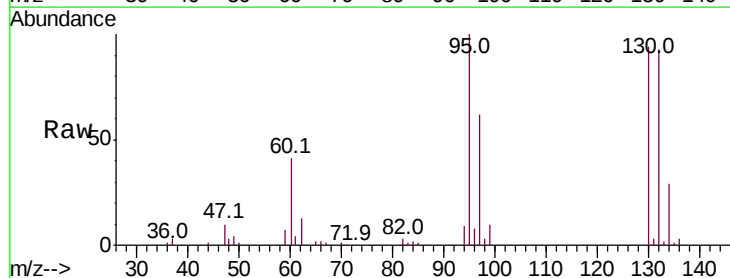
Acq: 19 Dec 2018 09:49

Tgt Ion:130 Resp: 75462

Ion Ratio Lower Upper

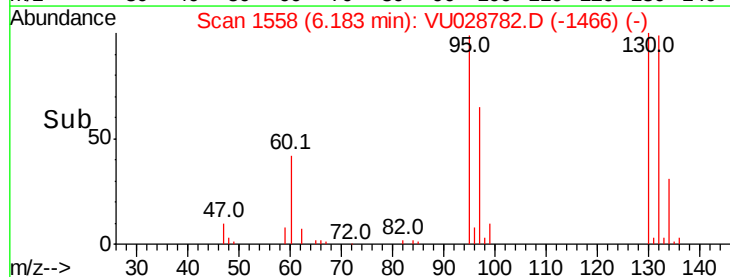
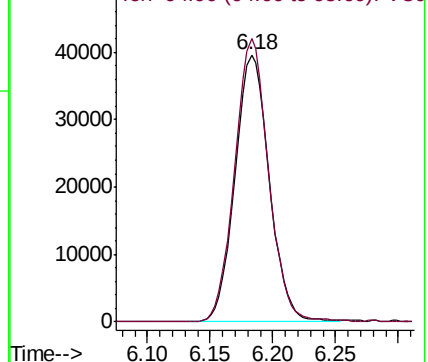
130 100

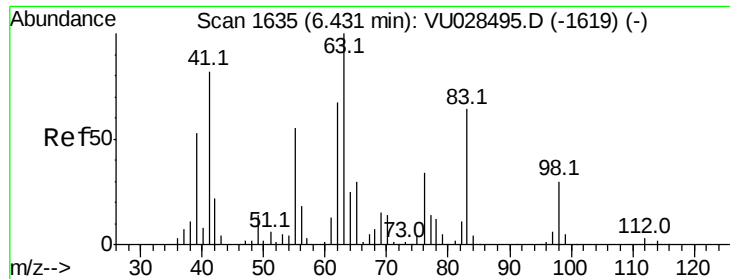
95 106.1 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 53.357 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

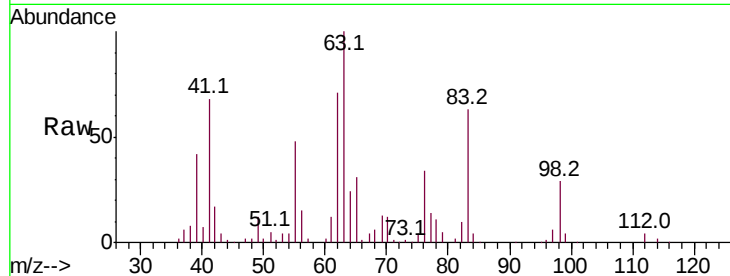
VSTDCCC050

Tot Ion: 63 Resp: 88268

Ion Ratio Lower Upper

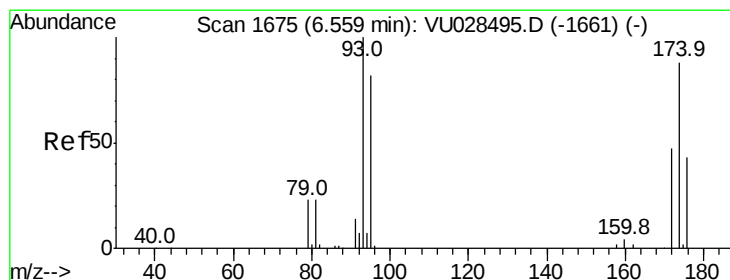
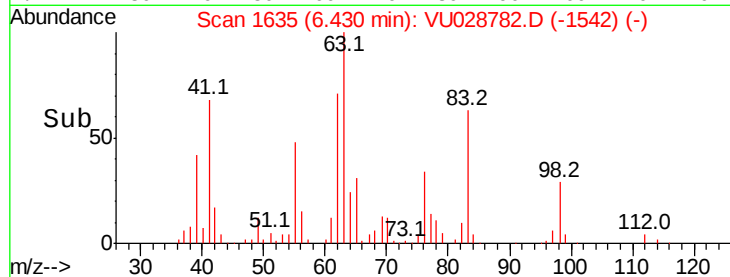
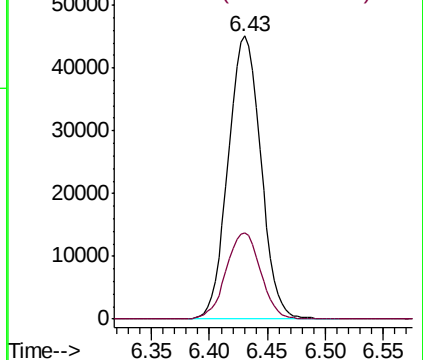
63 100

65 30.7 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: 54.311 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

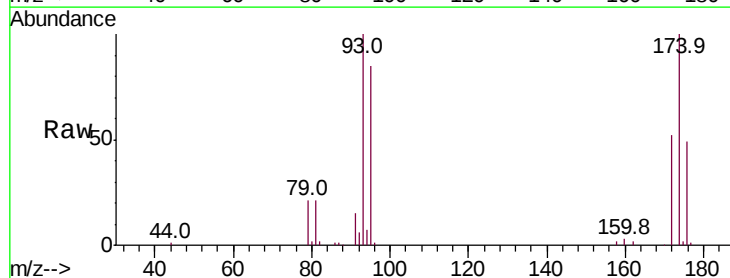
Tgt Ion: 93 Resp: 53309

Ion Ratio Lower Upper

93 100

95 85.5 65.4 98.2

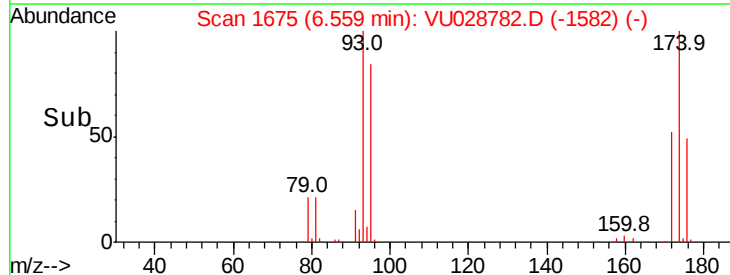
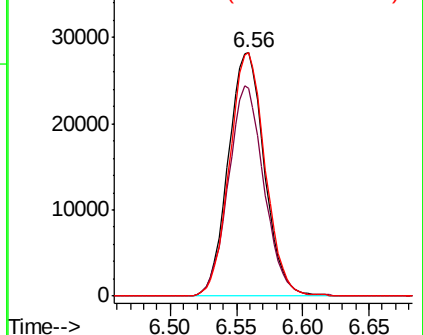
174 98.6 72.2 108.4

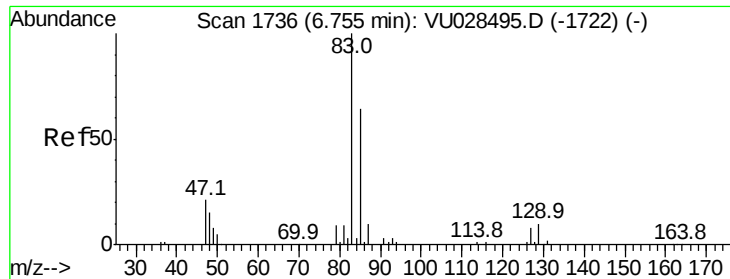


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.422 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

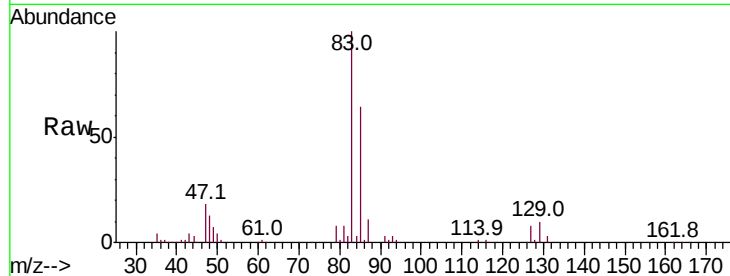
Tot Ion: 83 Resp: 100127

Ion Ratio Lower Upper

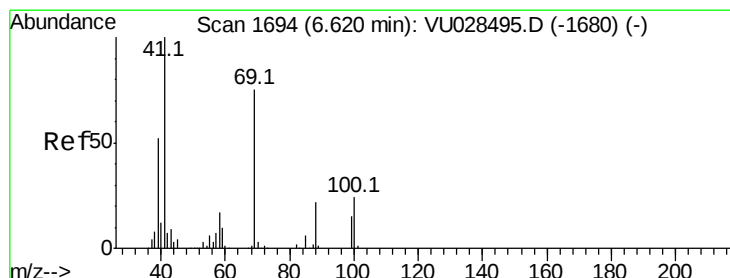
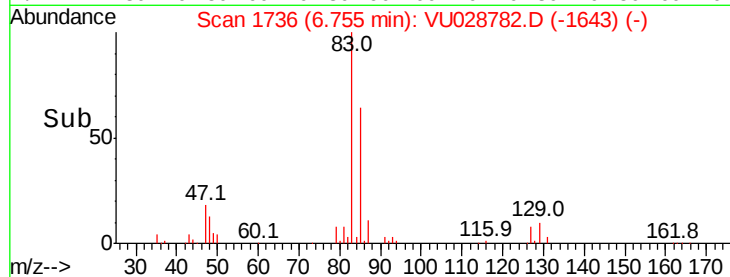
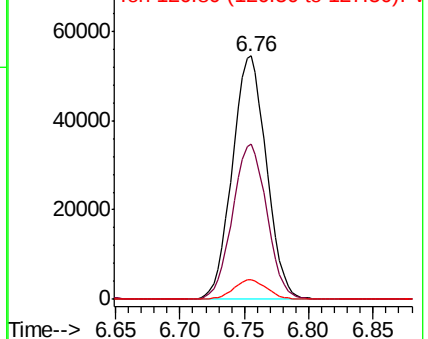
83 100

85 63.6 51.5 77.3

127 7.9 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 45.664 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

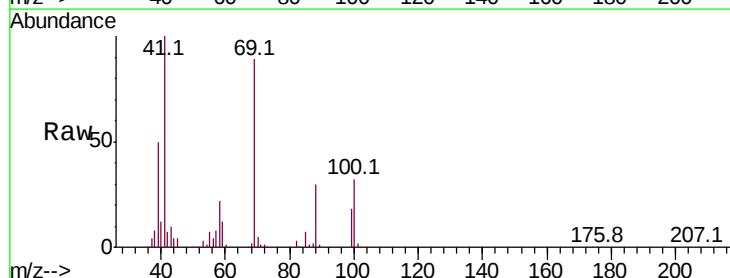
Tgt Ion: 41 Resp: 92745

Ion Ratio Lower Upper

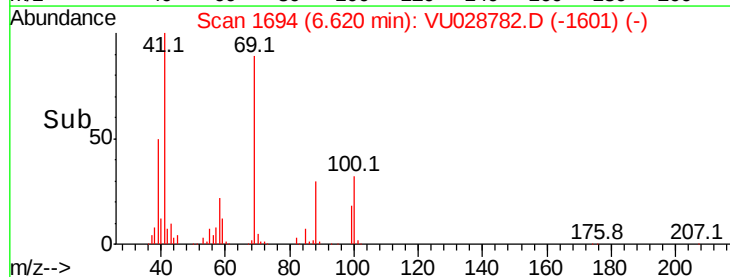
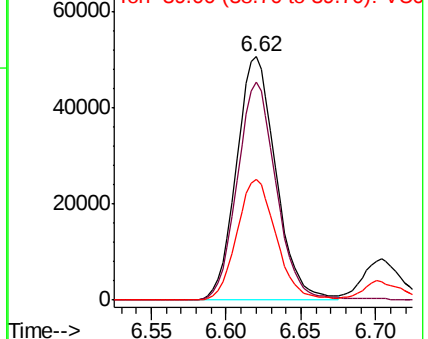
41 100

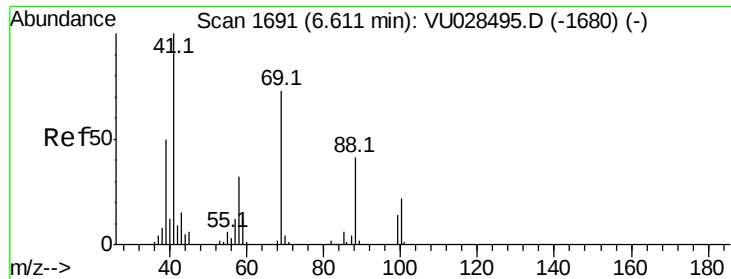
69 88.4 60.4 90.6

39 49.3 41.1 61.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

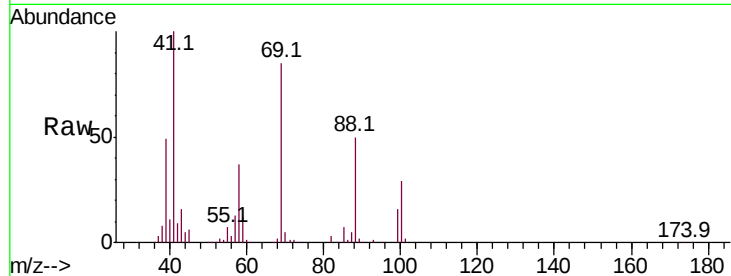




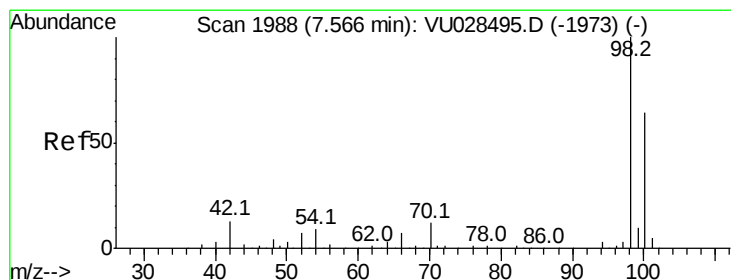
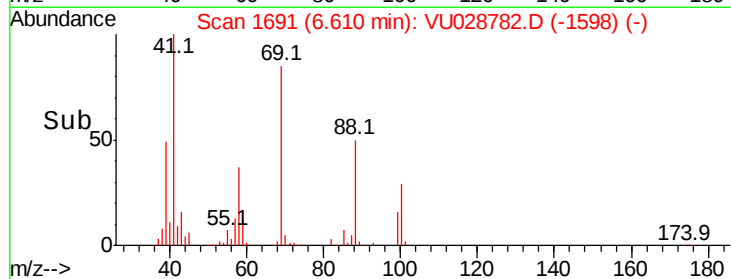
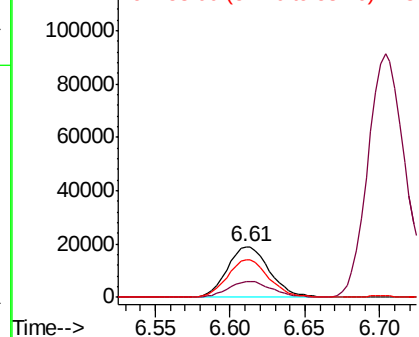
#49
1,4-Dioxane
Concen: 1166.761 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 37417
Ion Ratio Lower Upper
88 100
43 32.8 30.9 46.3
58 73.3 62.4 93.6

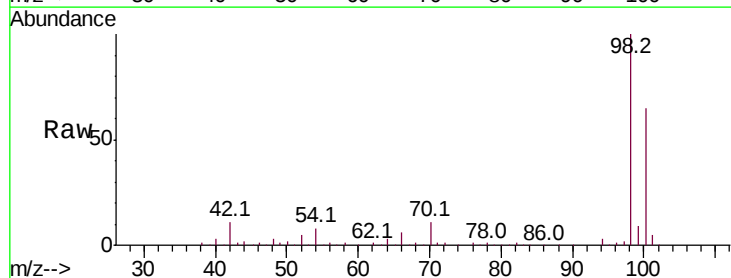


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

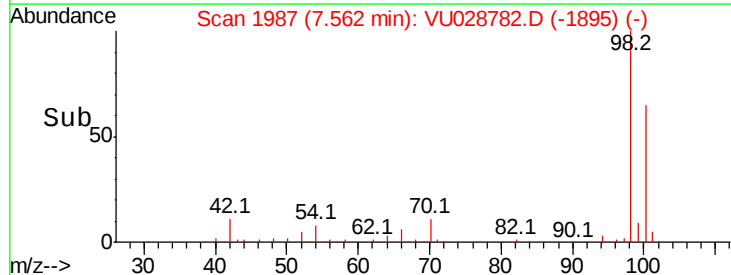
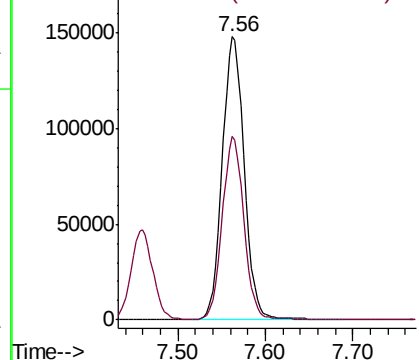


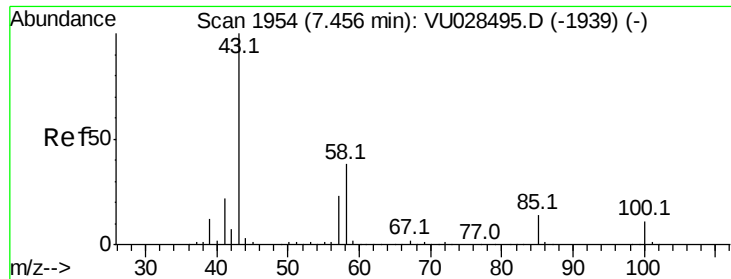
#50
Toluene-d8
Concen: 56.857 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 98 Resp: 258356
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 227.279 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

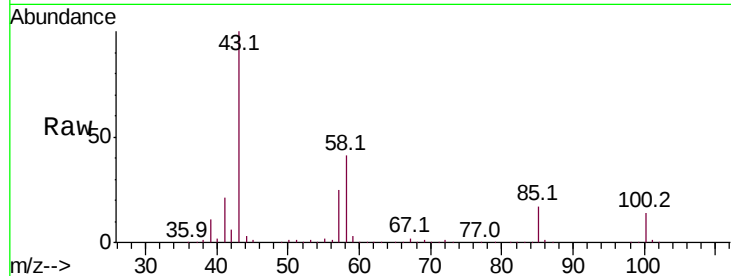
VSTDCCC050

Tot Ion: 43 Resp: 585440

Ion Ratio Lower Upper

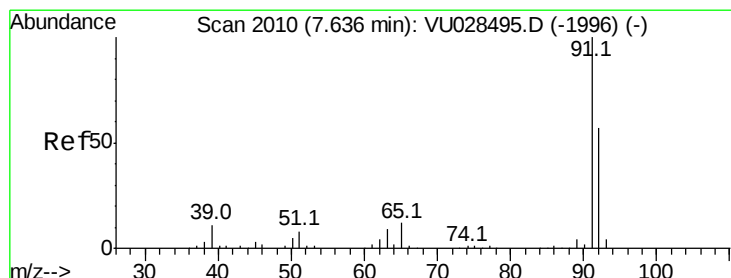
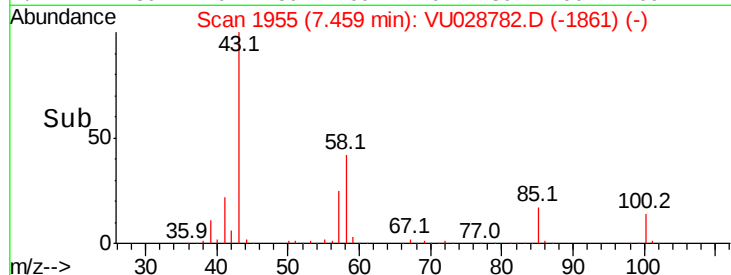
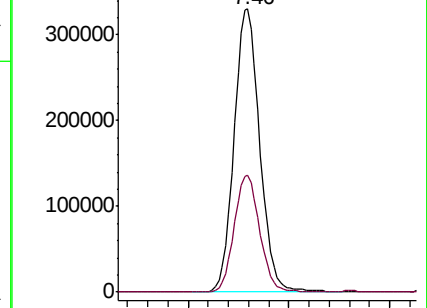
43 100

58 41.3 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 56.028 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028782.D

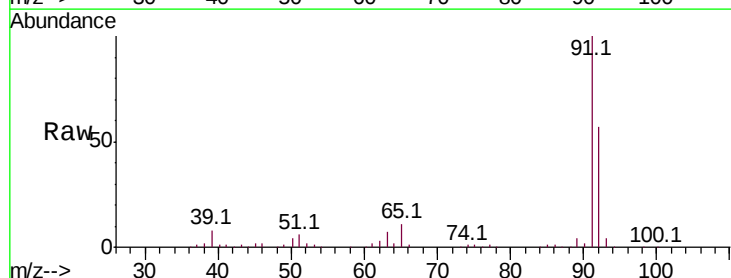
Acq: 19 Dec 2018 09:49

Tgt Ion: 92 Resp: 193978

Ion Ratio Lower Upper

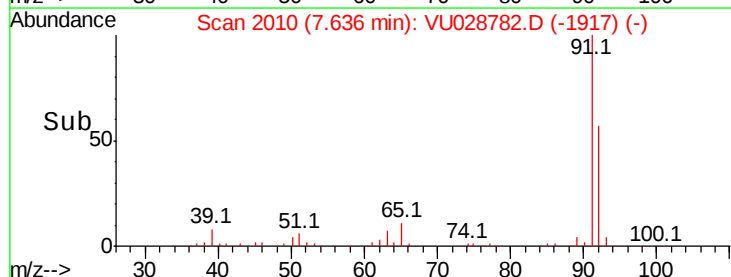
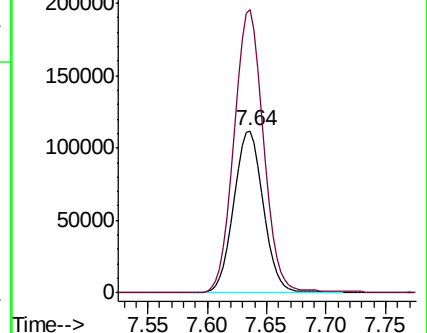
92 100

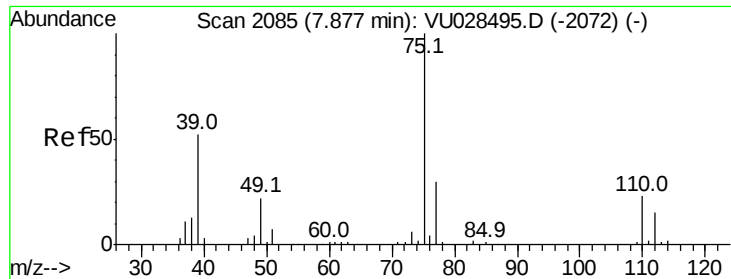
91 174.0 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

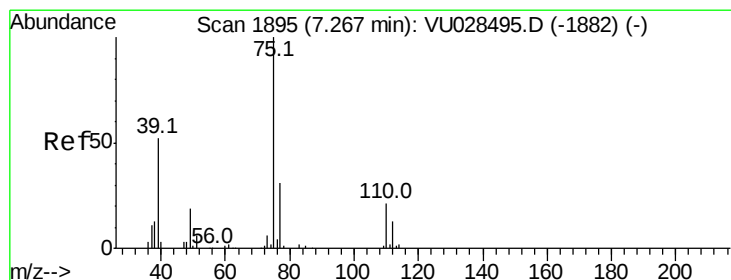
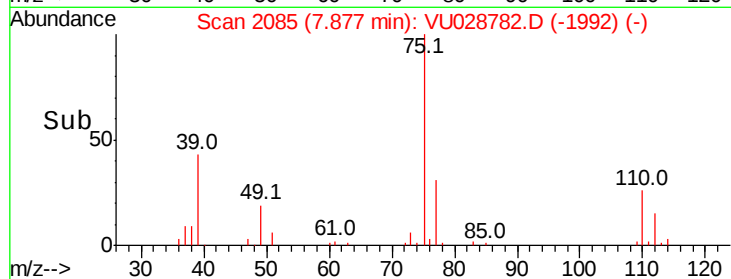
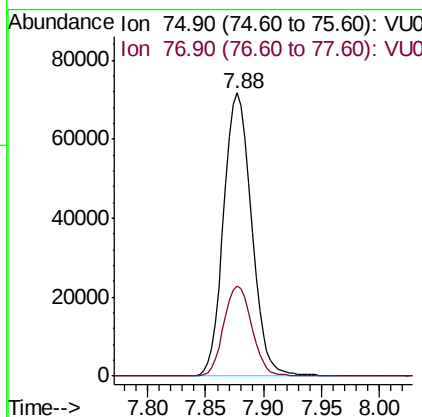
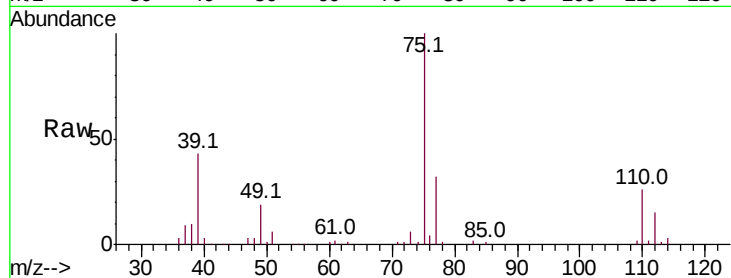




#53
t-1,3-Dichloropropene
Concen: 52.713 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

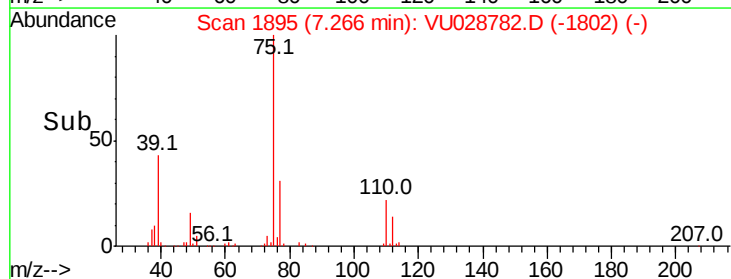
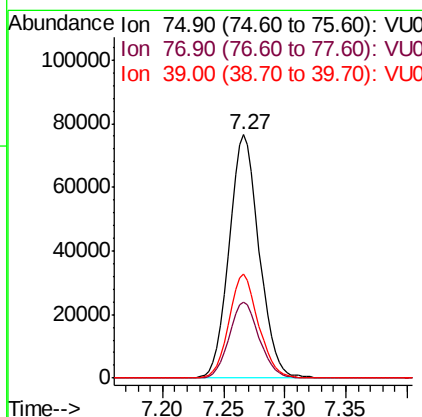
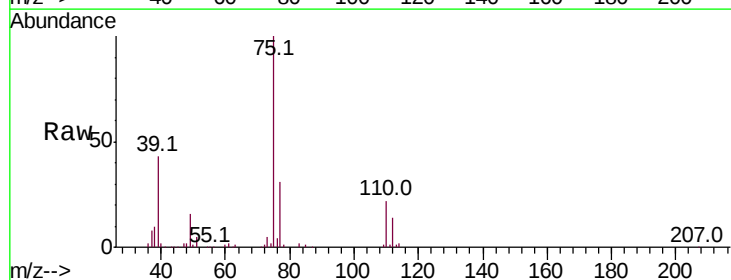
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

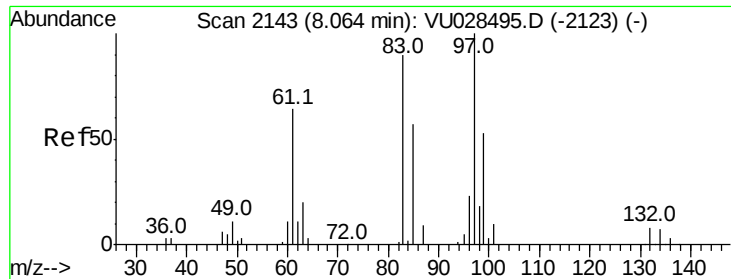
Tot Ion: 75 Resp: 119912
Ion Ratio Lower Upper
75 100
77 31.7 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 53.192 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 75 Resp: 131280
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4
39 42.6 41.3 61.9

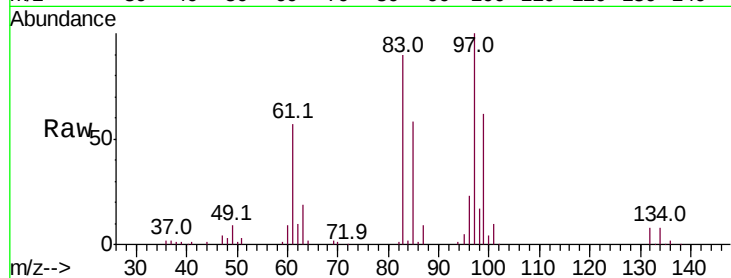




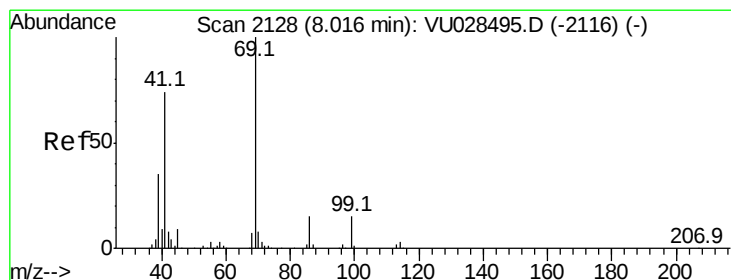
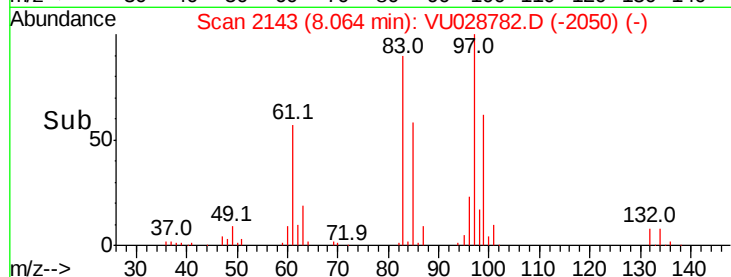
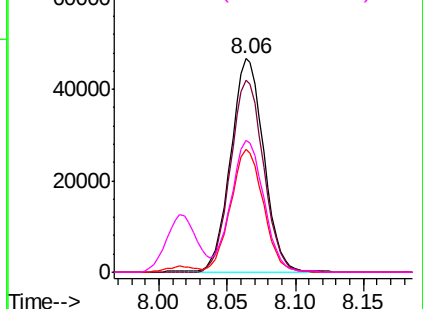
#55
 1,1,2-Trichloroethane
 Concen: 57.719 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	78993
Ion	Ratio	Lower	Upper
97	100		
83	89.8	72.4	108.6
85	57.6	46.0	69.0
99	61.4	47.4	71.2

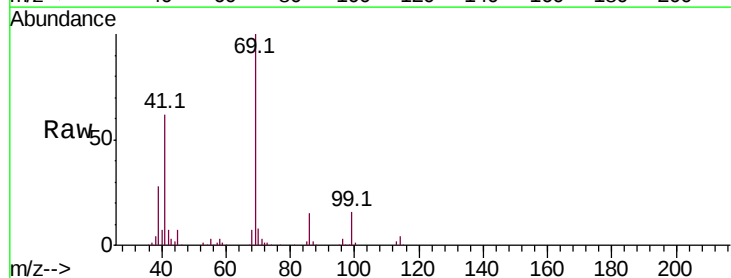


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

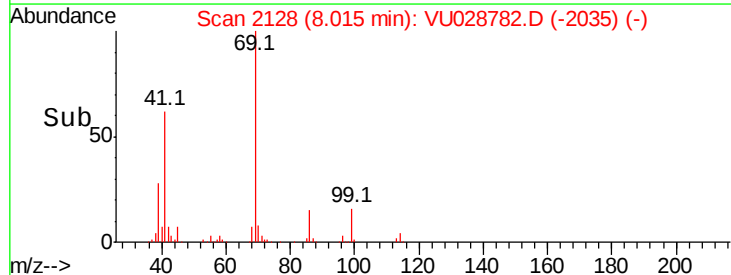
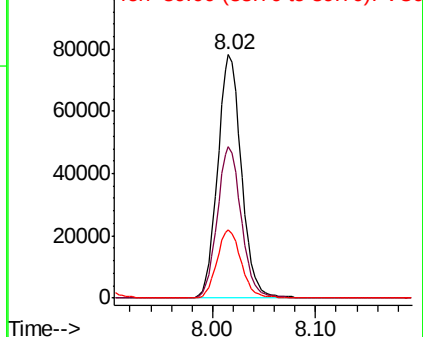


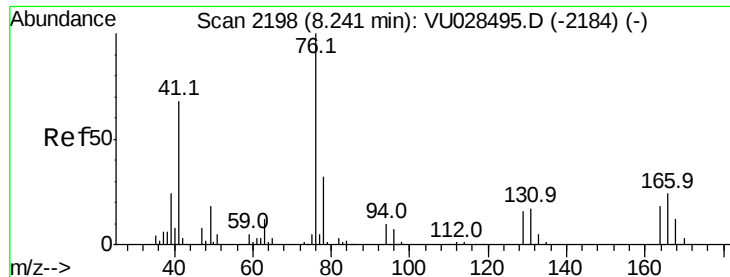
#56
 Ethyl methacrylate
 Concen: 53.311 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion:	69	Resp:	124940
Ion	Ratio	Lower	Upper
69	100		
41	63.1	59.1	88.7
39	28.9	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: 53.546 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

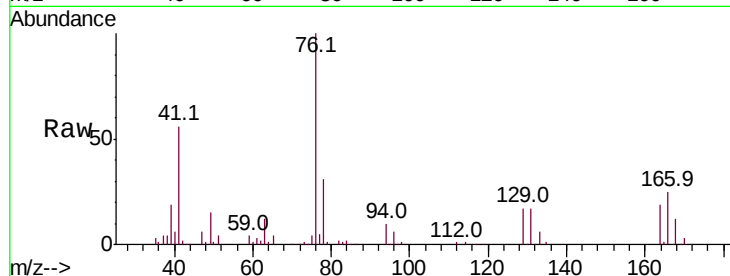
VSTDCCC050

Tot Ion: 76 Resp: 136033

Ion Ratio Lower Upper

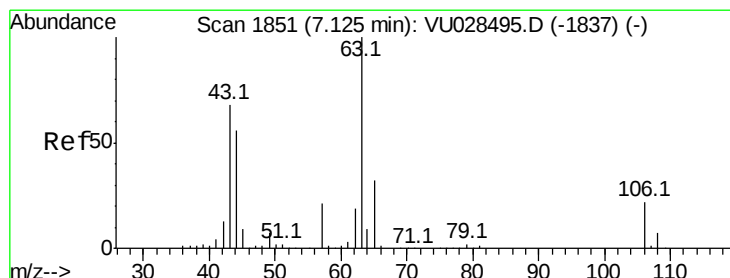
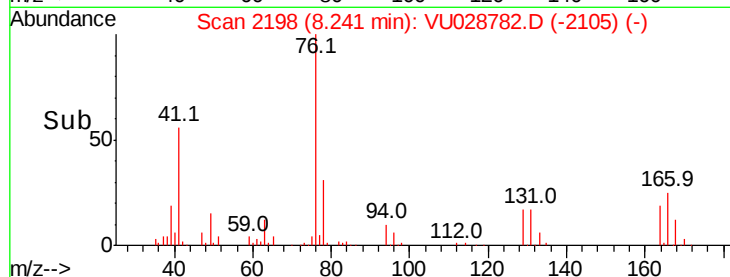
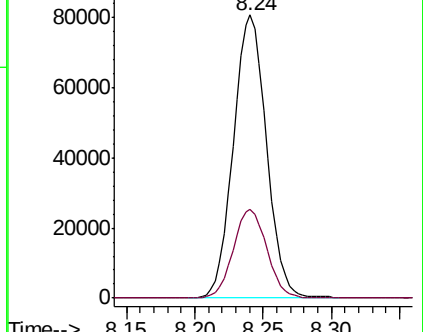
76 100

78 31.9 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: 240.482 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028782.D

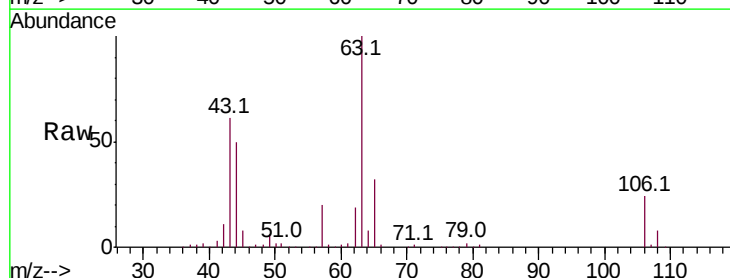
Acq: 19 Dec 2018 09:49

Tgt Ion: 63 Resp: 288676

Ion Ratio Lower Upper

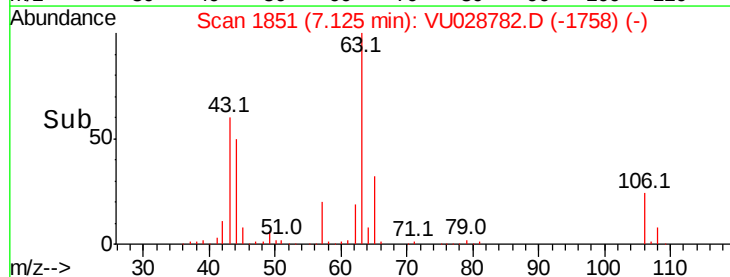
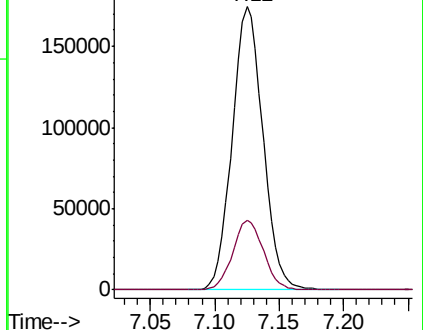
63 100

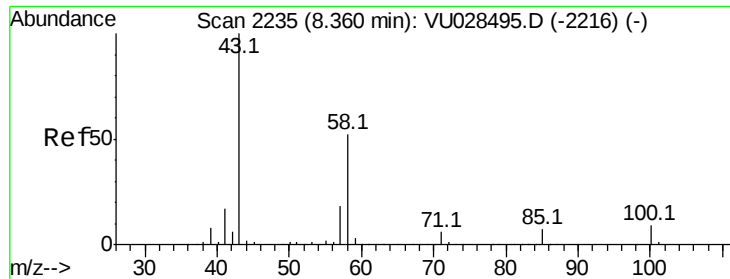
106 24.5 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

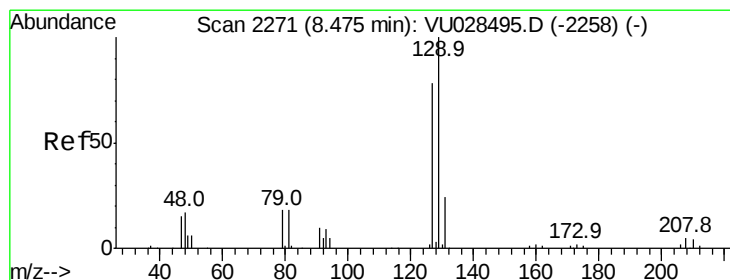
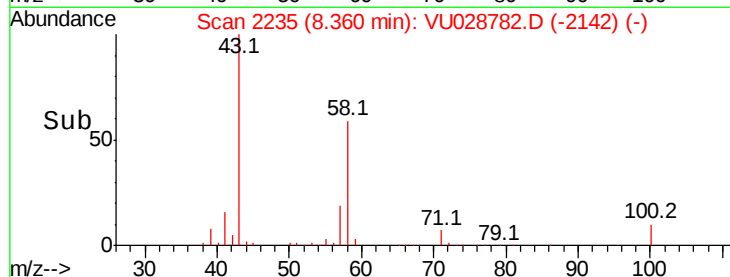
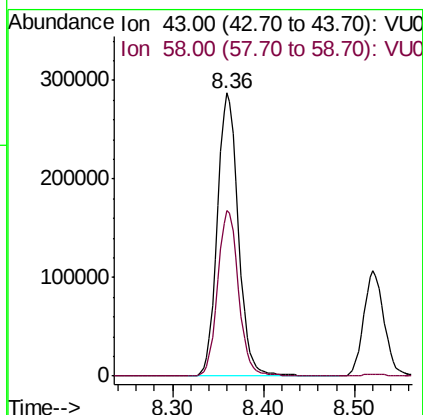
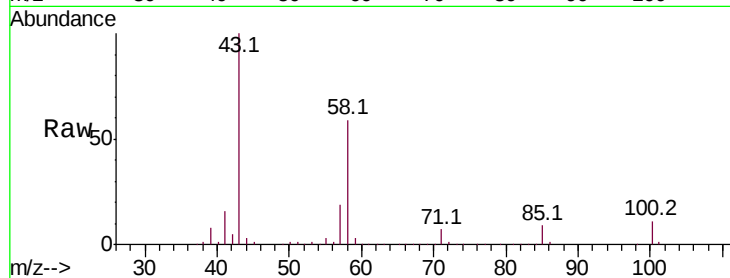




#59
2-Hexanone
Concen: 225.178 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

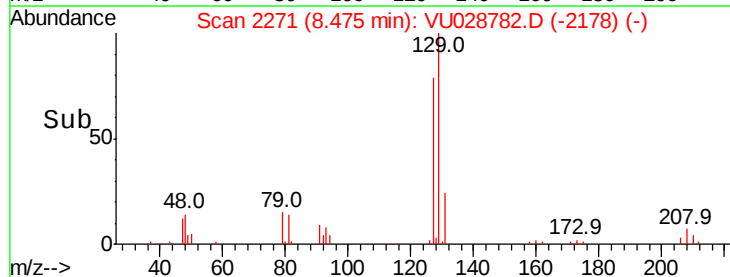
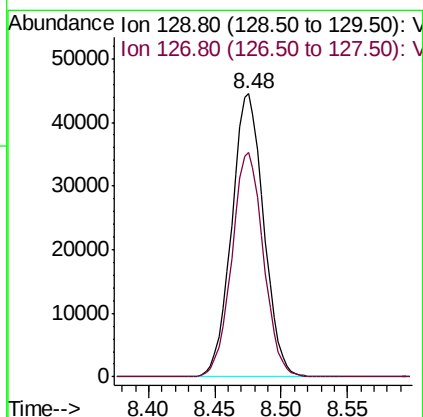
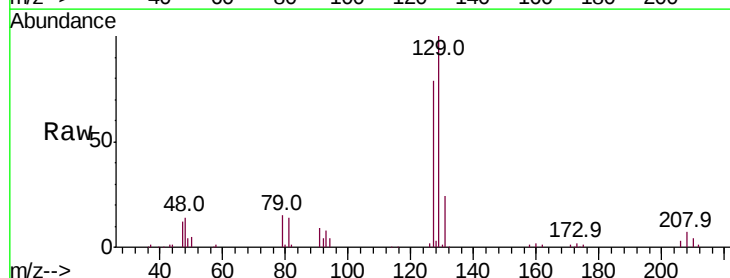
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

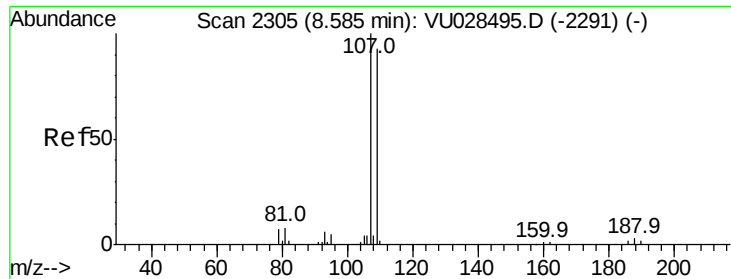
Tot Ion: 43 Resp: 459735
Ion Ratio Lower Upper
43 100
58 58.4 25.9 77.6



#60
Dibromochloromethane
Concen: 55.776 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 129 Resp: 74735
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 57.533 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

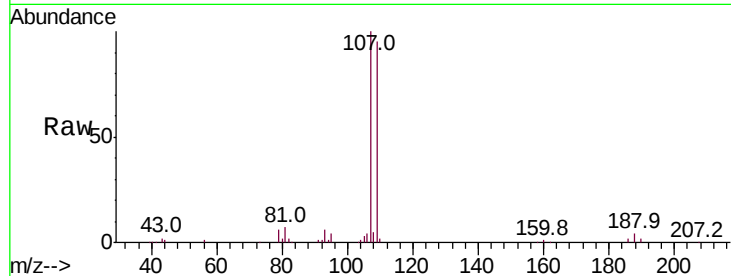
VSTDCCC050

Tot Ion:107 Resp: 82569

Ion Ratio Lower Upper

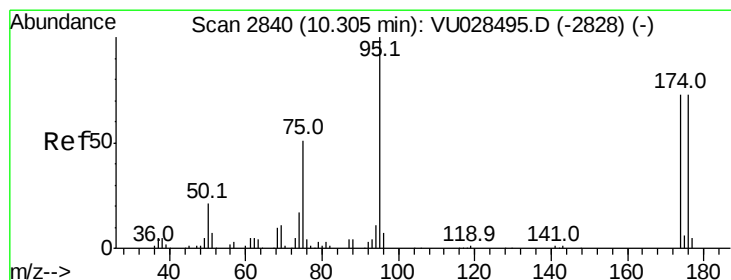
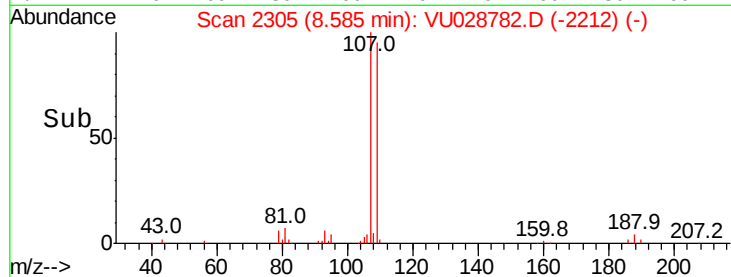
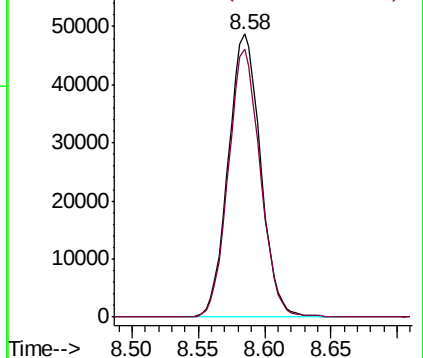
107 100

109 93.6 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: 54.763 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

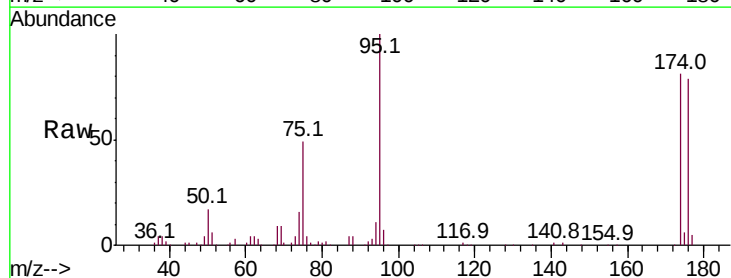
Tgt Ion: 95 Resp: 93009

Ion Ratio Lower Upper

95 100

174 81.5 0.0 150.4

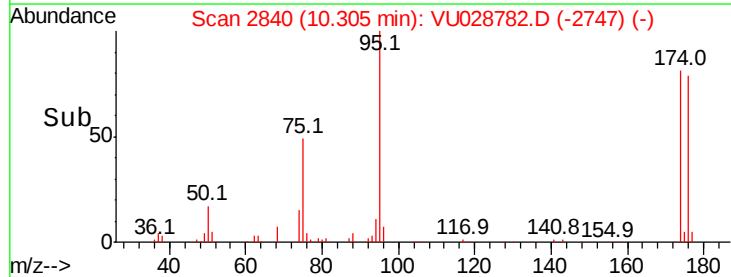
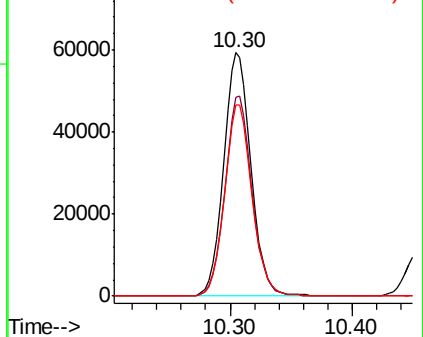
176 78.8 0.0 145.2

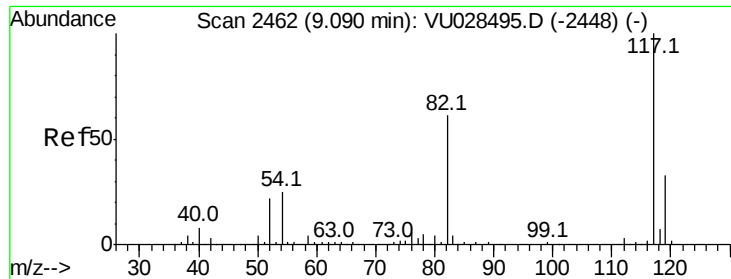


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

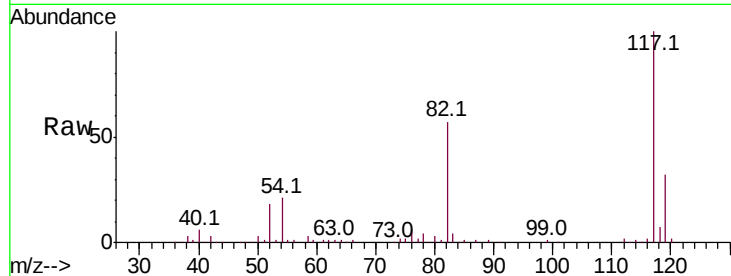




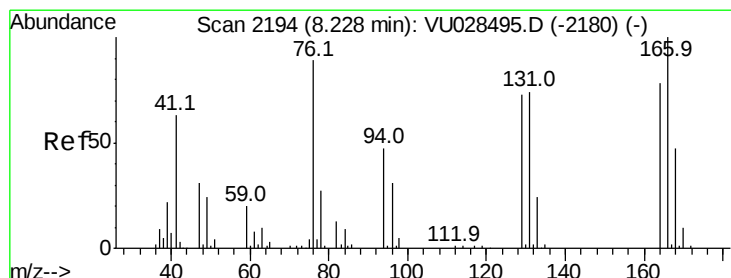
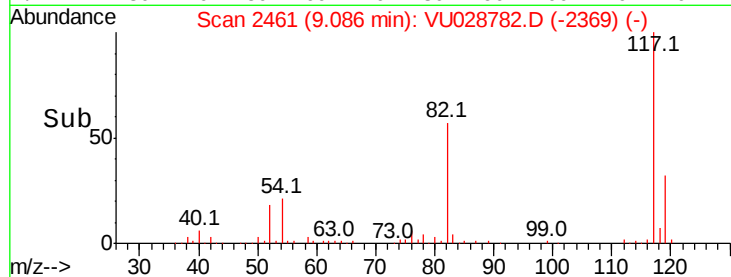
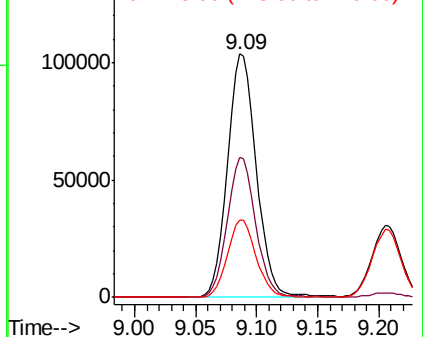
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 171948
Ion Ratio Lower Upper
117 100
82 57.3 48.9 73.3
119 31.9 26.2 39.4



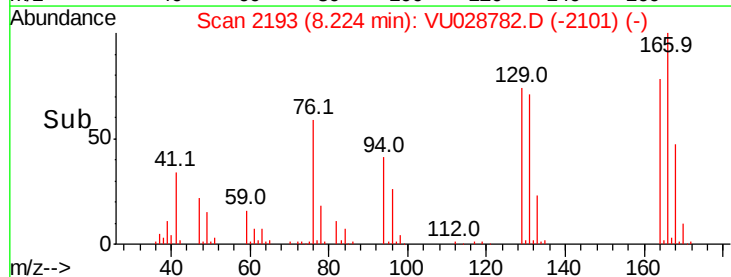
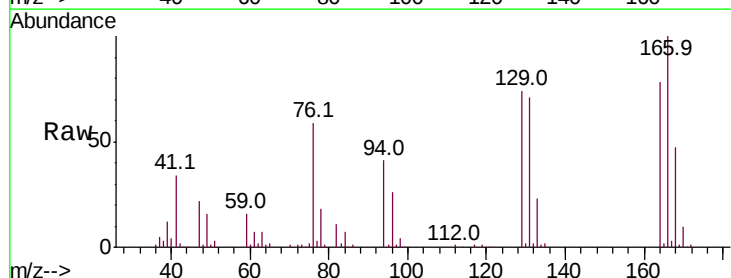
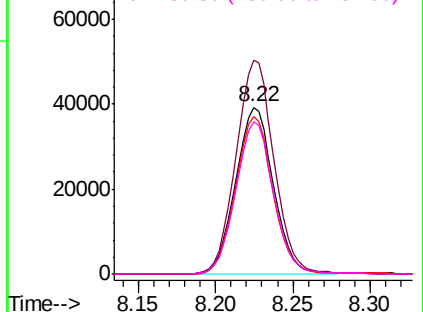
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

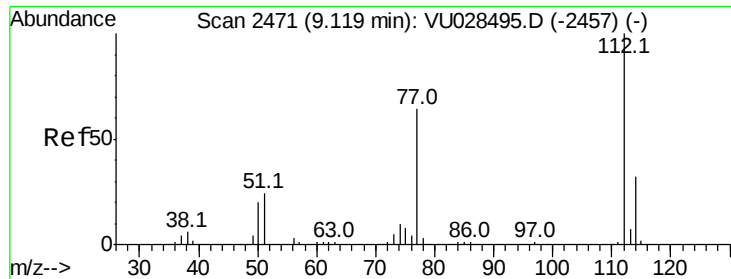


#64
Tetrachloroethene
Concen: 58.075 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion:164 Resp: 66608
Ion Ratio Lower Upper
164 100
166 128.0 101.9 152.9
129 94.5 74.9 112.3
131 91.0 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

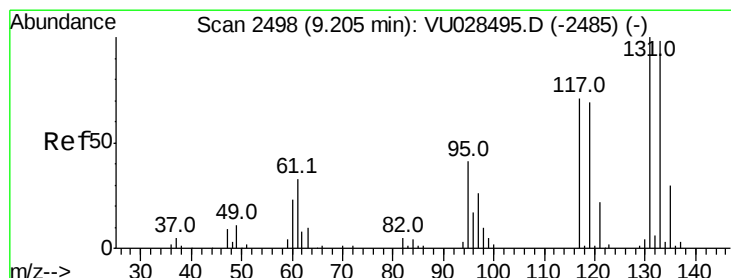
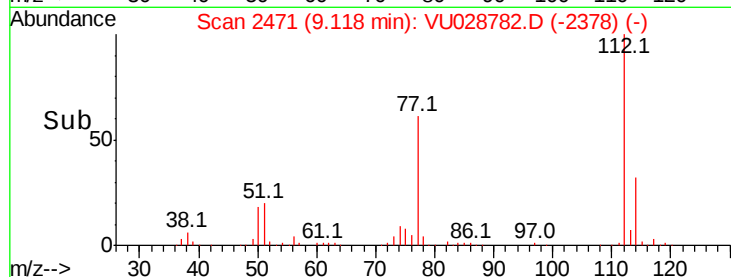
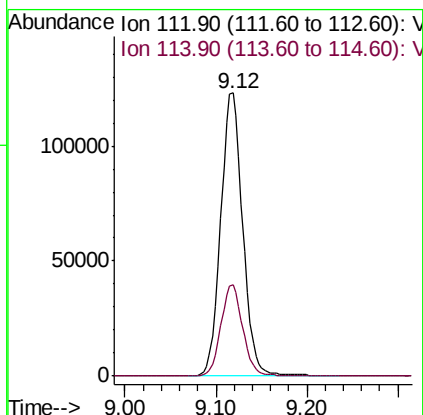
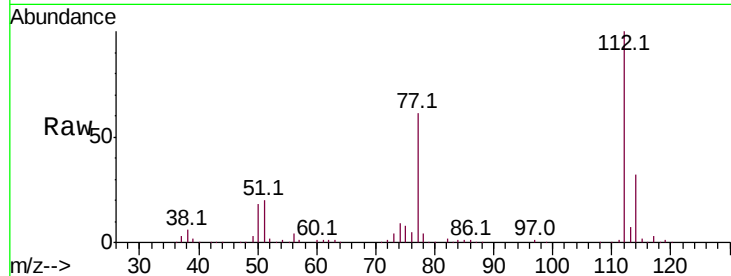




#65
Chlorobenzene
Concen: 56.531 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

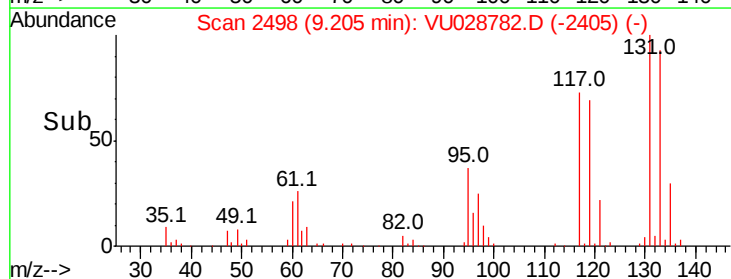
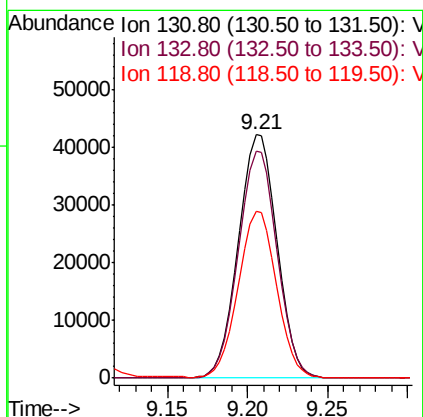
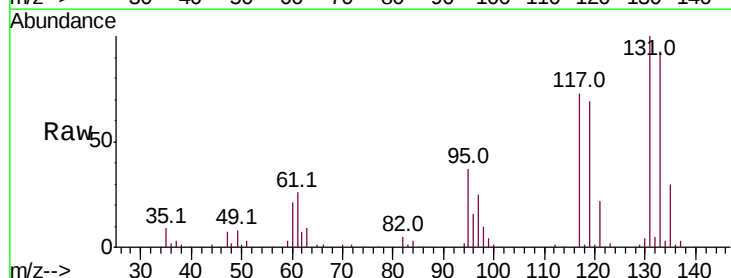
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

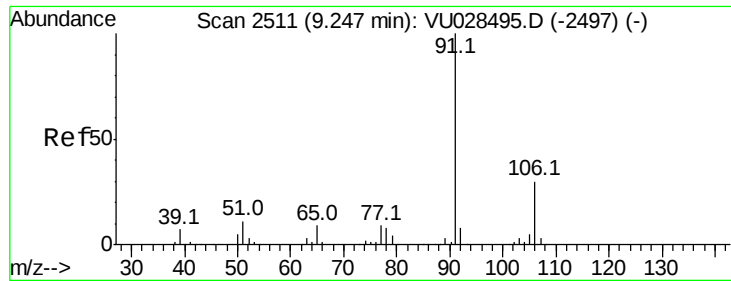
Tot Ion:112 Resp: 207133
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 59.282 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion:131 Resp: 69363
Ion Ratio Lower Upper
131 100
133 93.6 48.0 144.0
119 68.1 34.6 103.9

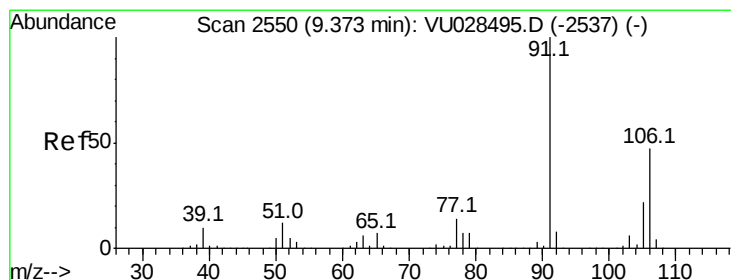
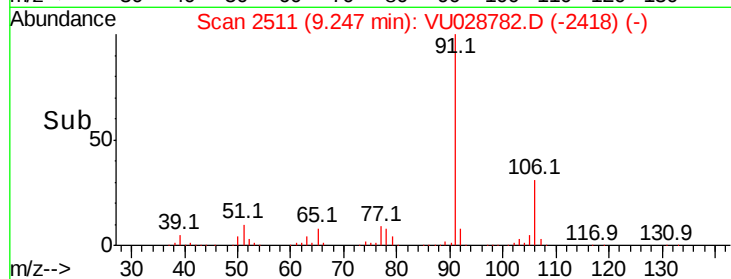
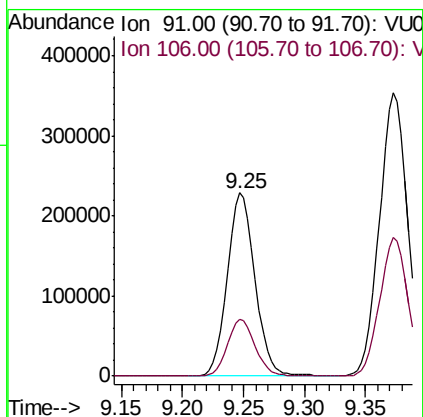
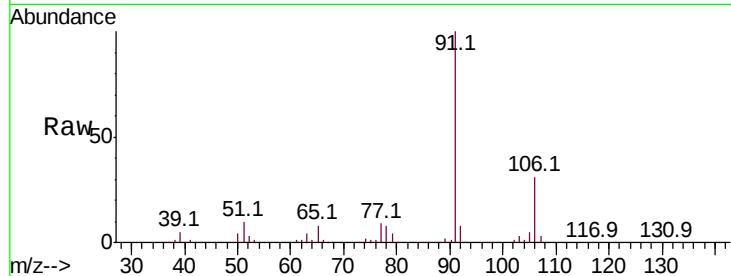




#67
Ethyl Benzene
Concen: 54.347 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

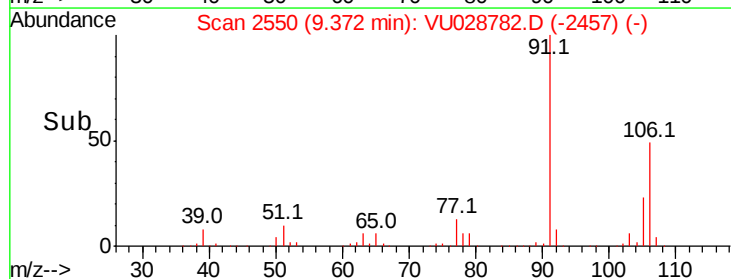
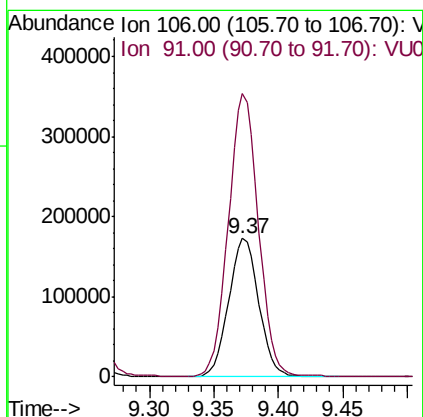
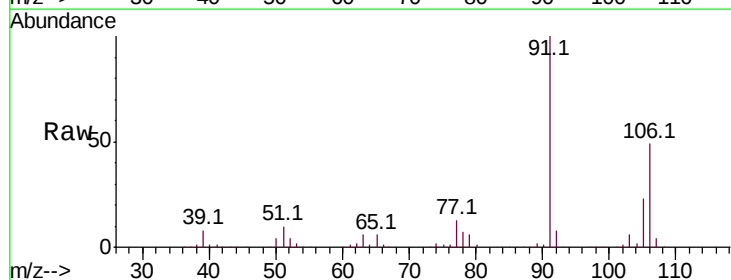
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

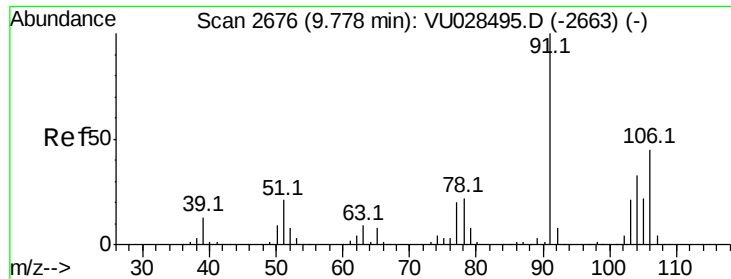
Tot Ion: 91 Resp: 366064
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1



#68
m/p-Xylenes
Concen: 114.077 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 106 Resp: 279595
Ion Ratio Lower Upper
106 100
91 205.3 167.4 251.0

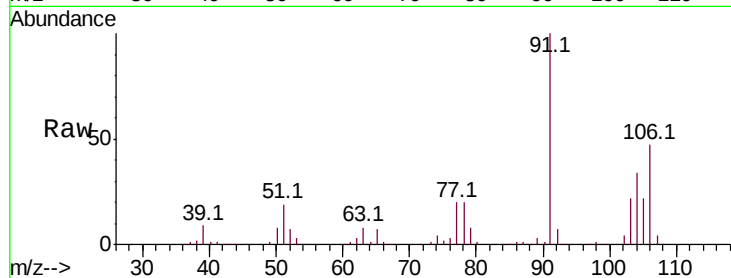




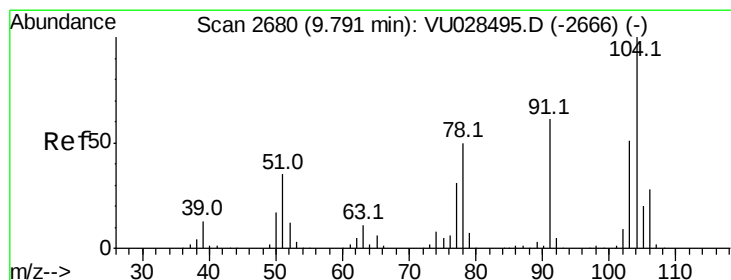
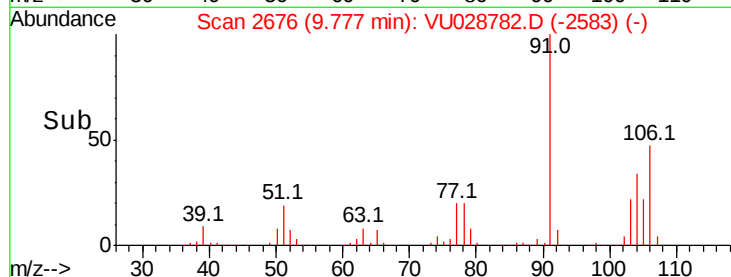
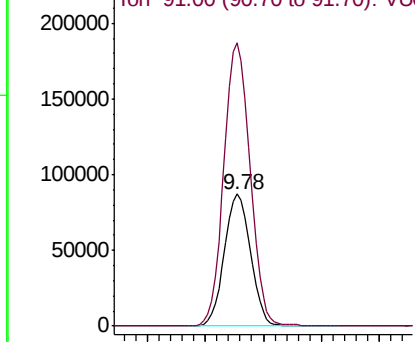
#69
o-Xylene
Concen: 57.132 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 136079
Ion Ratio Lower Upper
106 100
91 215.1 111.3 334.0

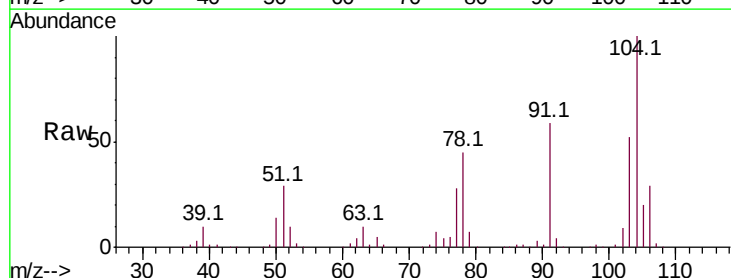


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

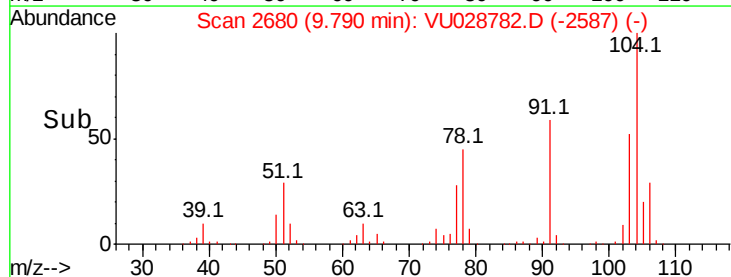
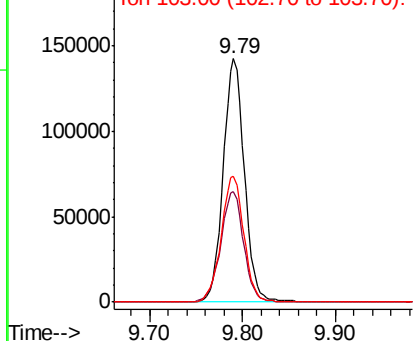


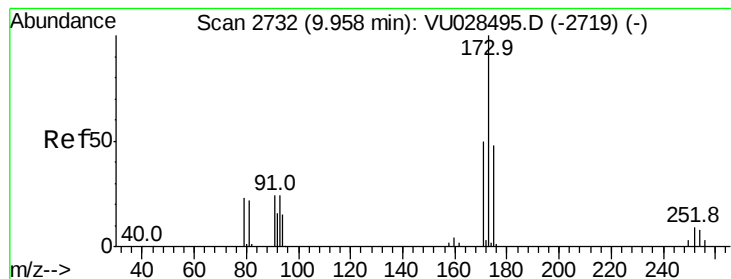
#70
Styrene
Concen: 57.355 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion:104 Resp: 226079
Ion Ratio Lower Upper
104 100
78 49.4 43.0 64.6
103 55.4 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: 59.274 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

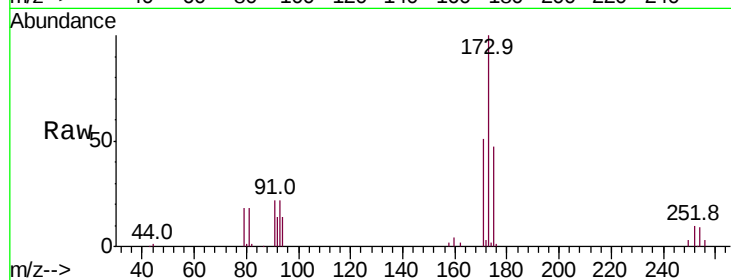
Tot Ion:173 Resp: 58998

Ion Ratio Lower Upper

173 100

175 47.2 23.9 71.8

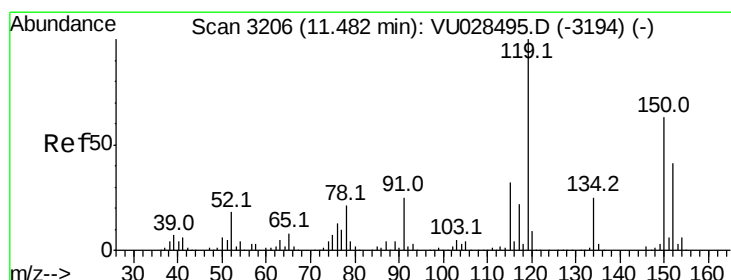
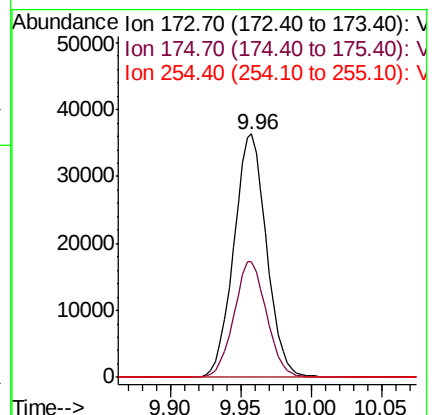
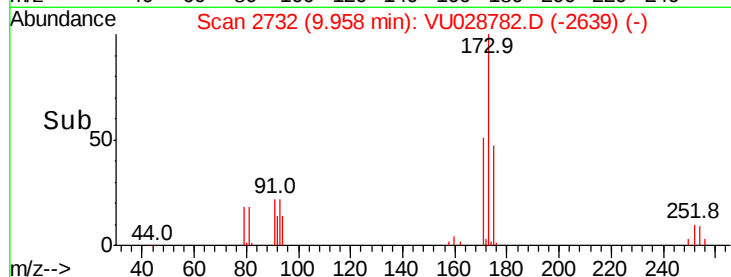
254 0.0 0.0 0.0



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: VU028782.D

Acq: 19 Dec 2018 09:49

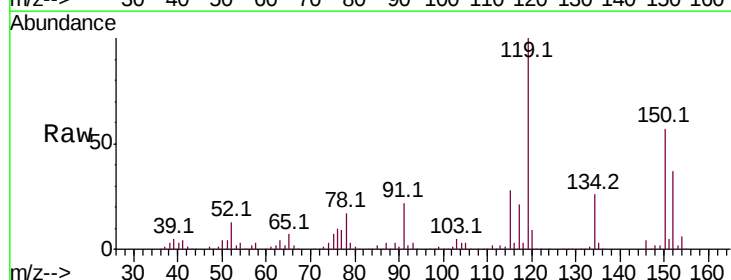
Tgt Ion:152 Resp: 88297

Ion Ratio Lower Upper

152 100

115 83.6 42.7 128.1

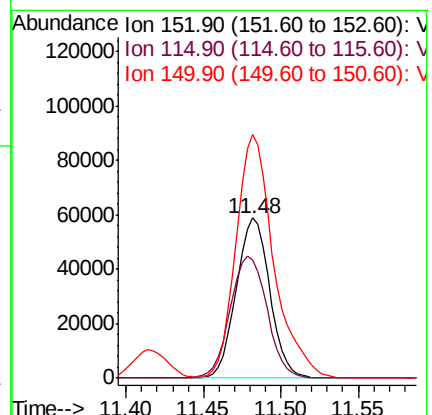
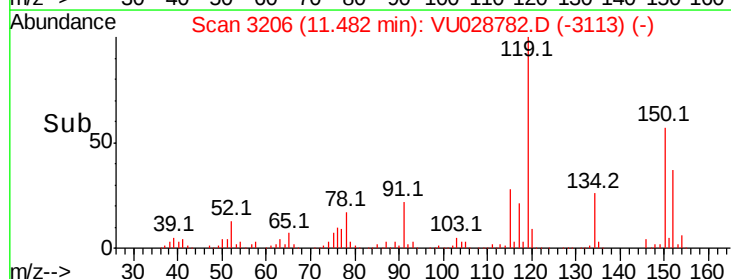
150 171.6 0.0 346.0

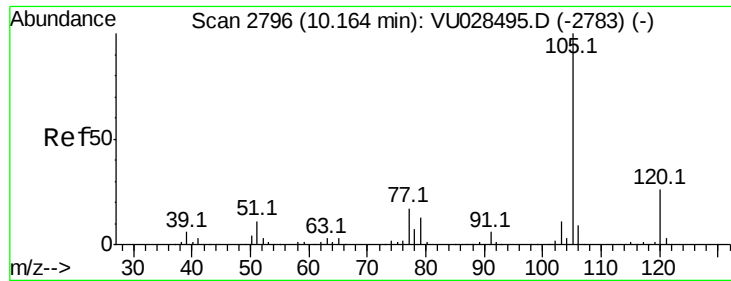


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.658 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

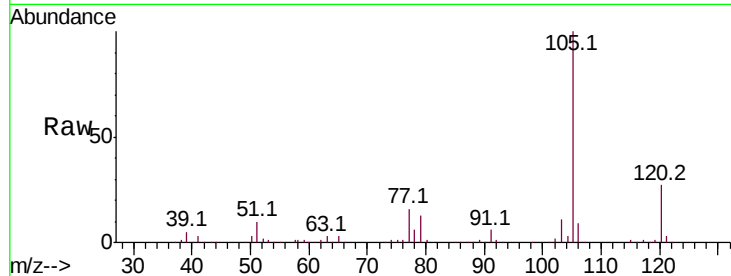
VSTDCCC050

Tot Ion:105 Resp: 356777

Ion Ratio Lower Upper

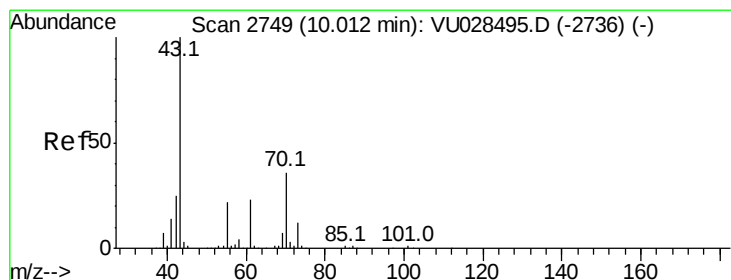
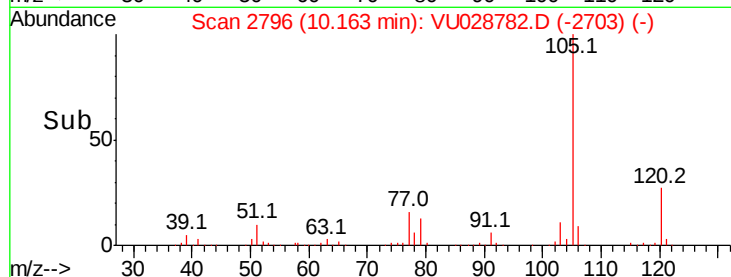
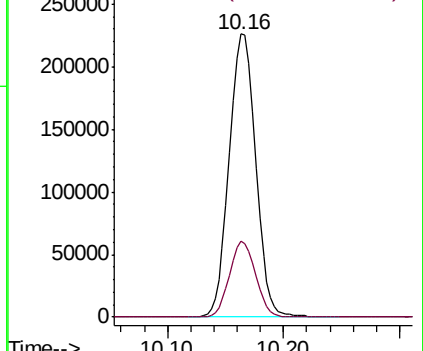
105 100

120 26.4 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: 42.160 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Tgt Ion: 43 Resp: 164772

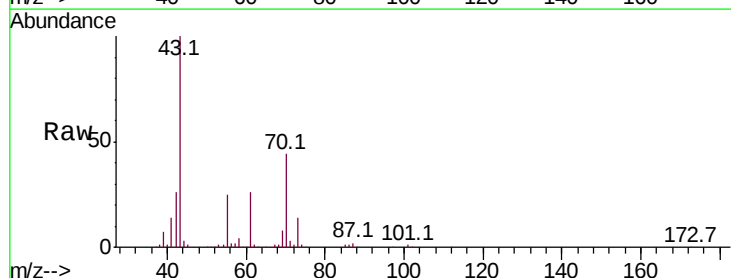
Ion Ratio Lower Upper

43 100

70 43.3 29.3 43.9

55 24.9 18.0 27.0

61 25.9 18.3 27.5

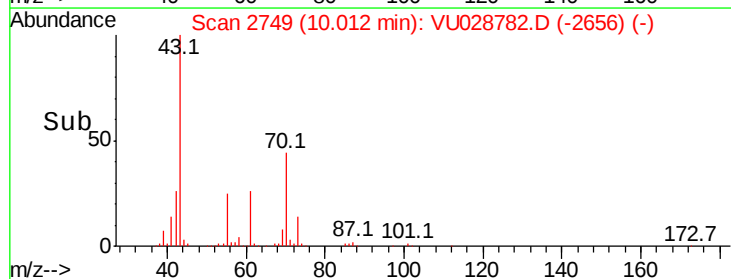
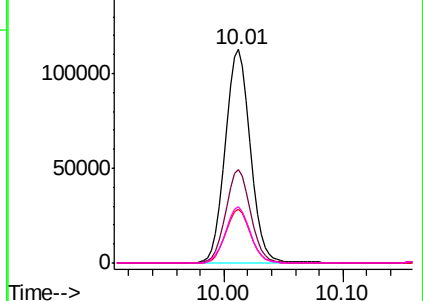


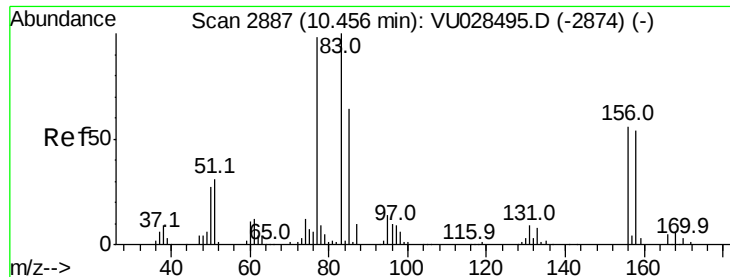
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 52.848 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

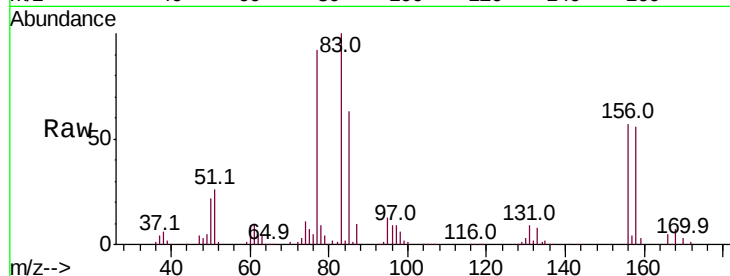
Tot Ion: 83 Resp: 137547

Ion Ratio Lower Upper

83 100

131 8.6 4.2 12.4

85 63.7 31.8 95.4

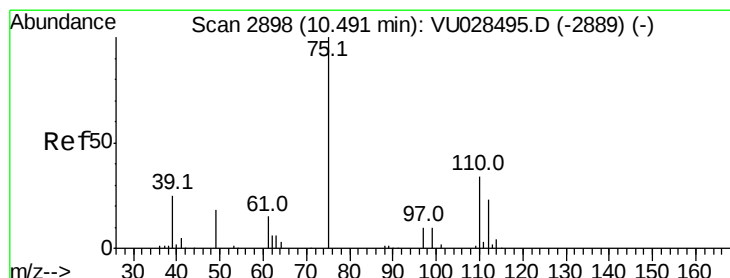
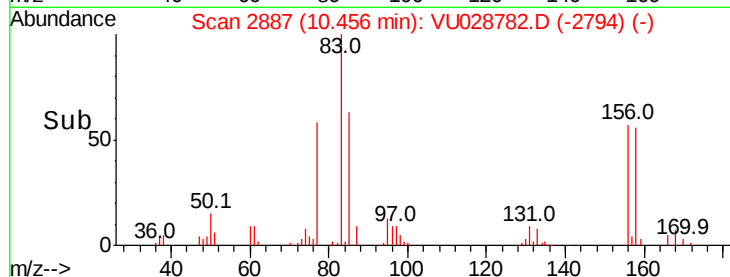


Abundance Ion 82.90 (82.60 to 83.60): VU028782.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028782.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028782.D (-2874) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 69.839 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028782.D

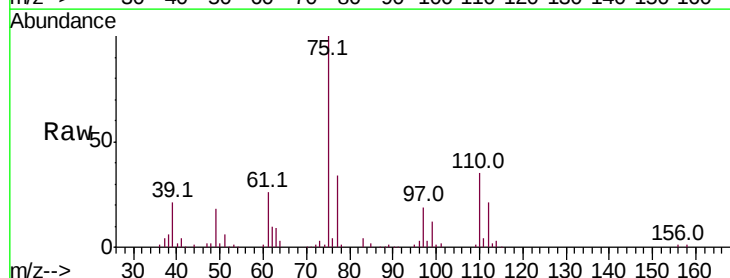
Acq: 19 Dec 2018 09:49

Tgt Ion: 75 Resp: 157465

Ion Ratio Lower Upper

75 100

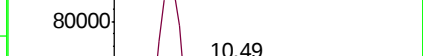
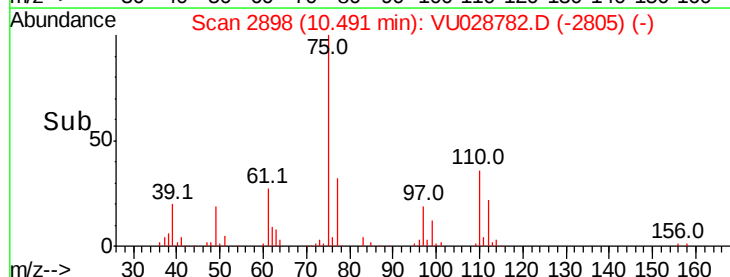
77 30.8 20.8 62.4

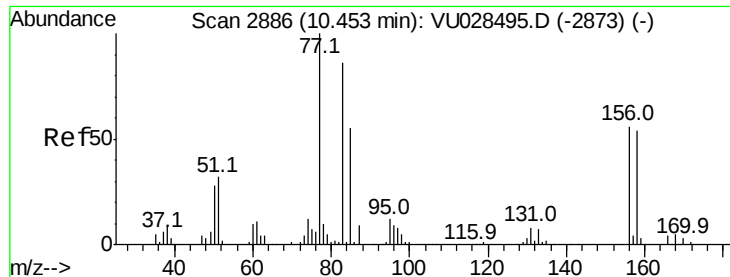


Abundance Ion 74.90 (74.60 to 75.60): VU028782.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028782.D (-2805) (-)

Time-->





#77

Bromobenzene

Concen: 55.608 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

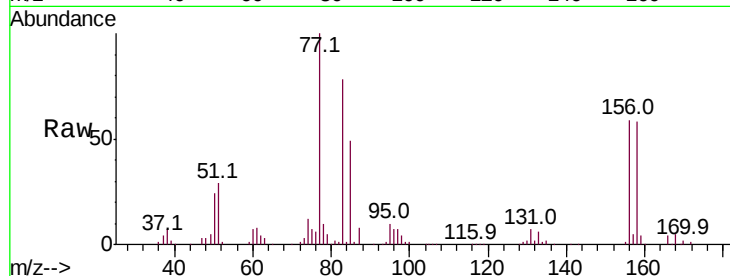
Tot Ion:156 Resp: 88116

Ion Ratio Lower Upper

156 100

77 166.2 92.4 277.2

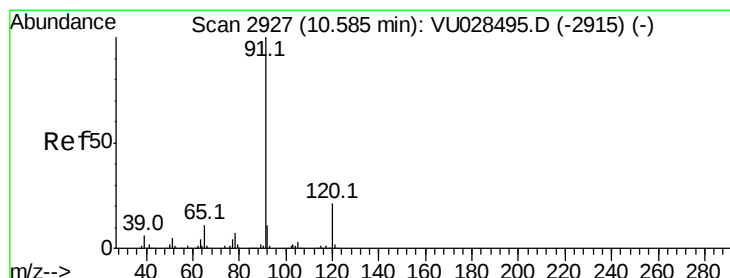
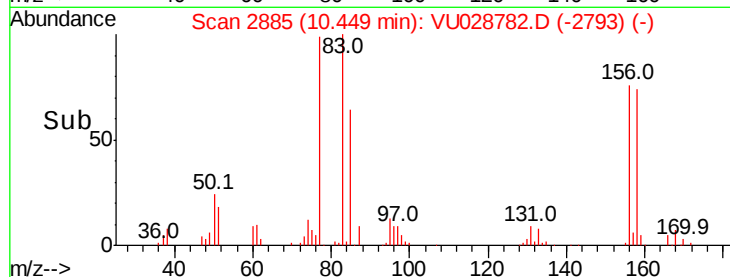
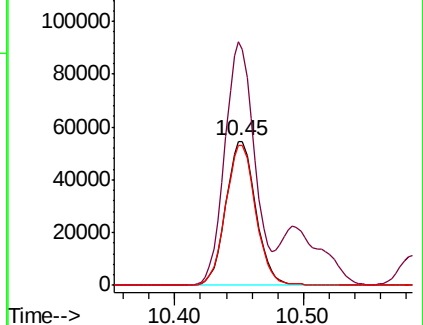
158 97.3 48.4 145.3



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: 51.556 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028782.D

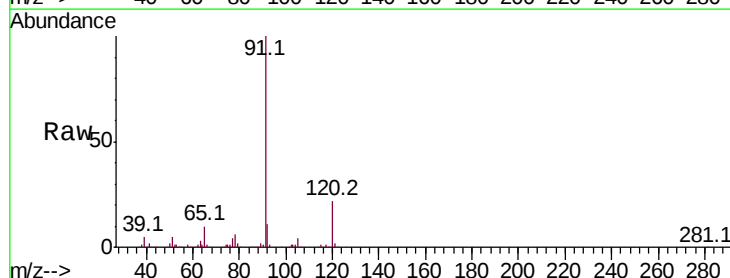
Acq: 19 Dec 2018 09:49

Tgt Ion: 91 Resp: 434049

Ion Ratio Lower Upper

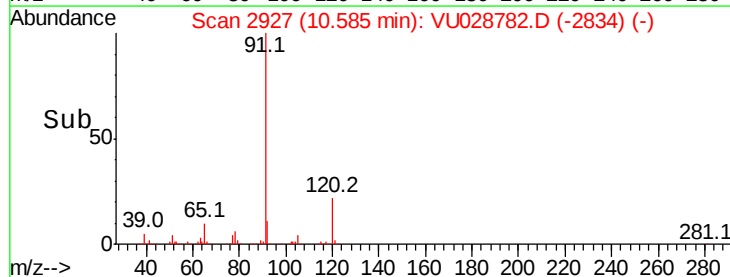
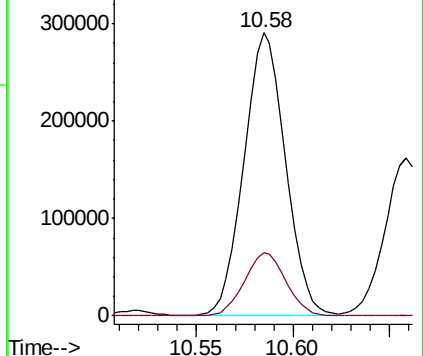
91 100

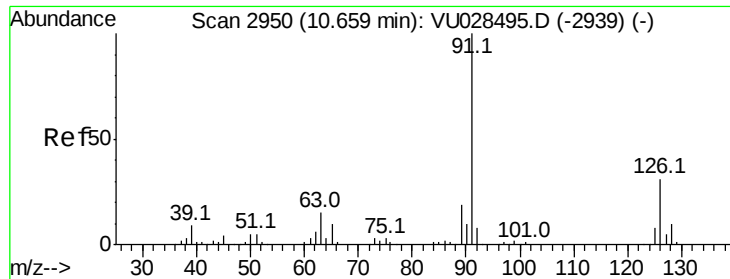
120 22.4 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.644 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

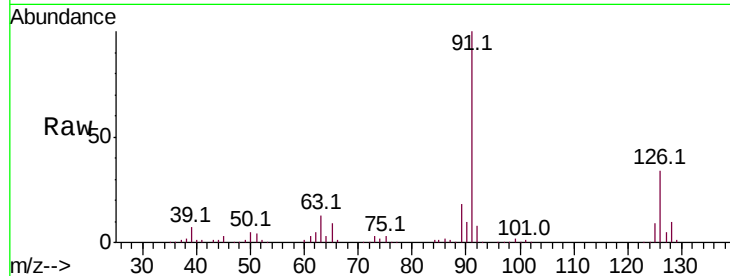
VSTDCCC050

Tot Ion: 91 Resp: 250450

Ion Ratio Lower Upper

91 100

126 34.2 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2939) (-)

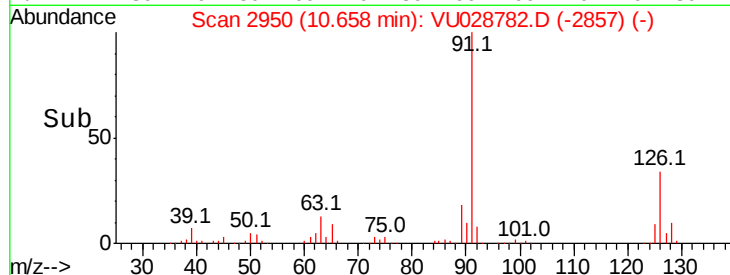
300000

200000

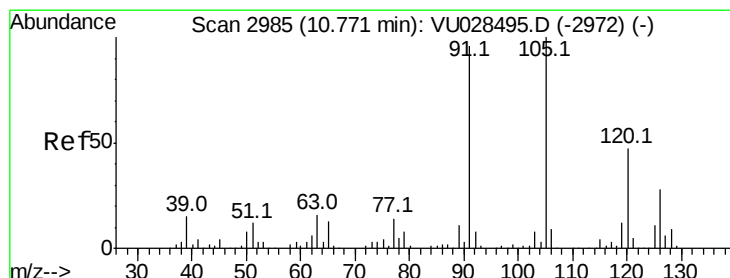
100000

0

10.60 10.65 10.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.531 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028782.D

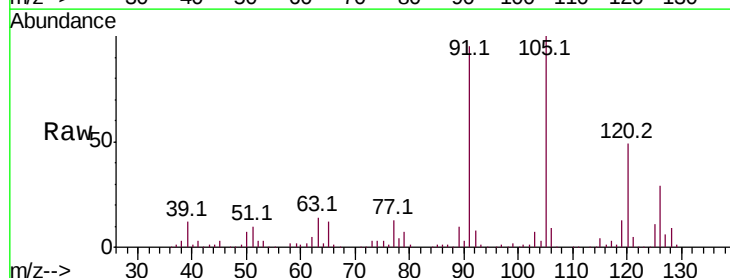
Acq: 19 Dec 2018 09:49

Tgt Ion:105 Resp: 300222

Ion Ratio Lower Upper

105 100

120 49.3 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)

200000

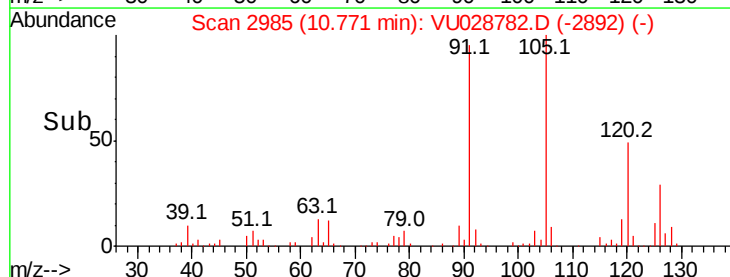
150000

100000

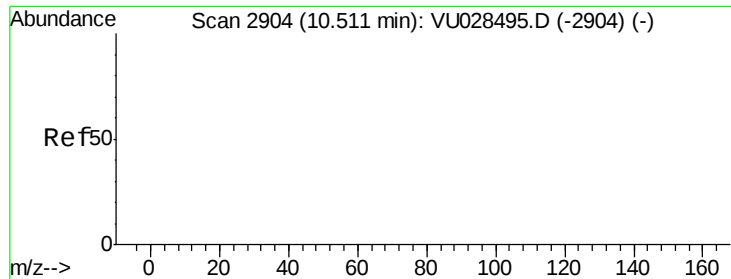
50000

0

10.70 10.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 170.437 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

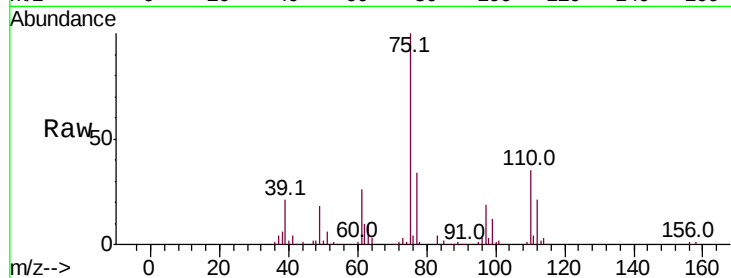
Tot Ion: 75 Resp: 157465

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

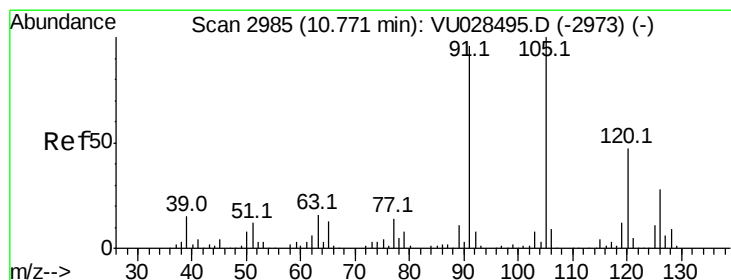
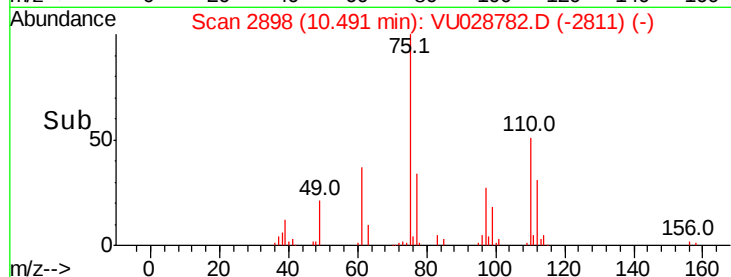
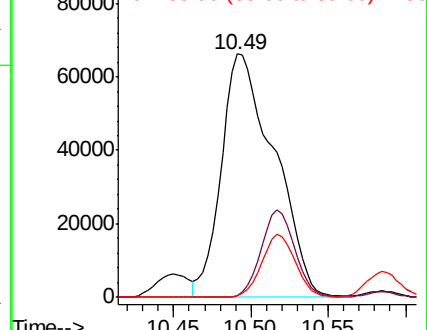
89 0.0 0.0 0.0



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: 50.999 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028782.D

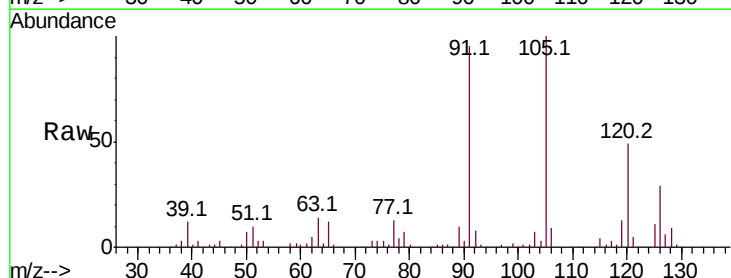
Acq: 19 Dec 2018 09:49

Tgt Ion: 91 Resp: 293078

Ion Ratio Lower Upper

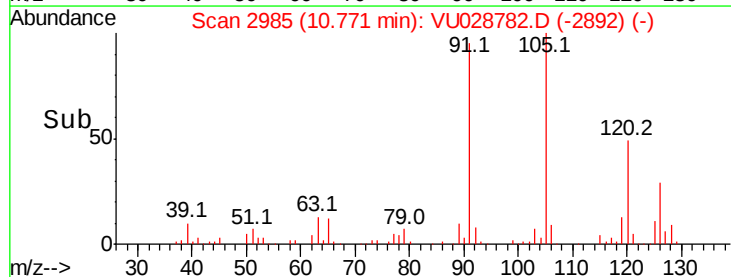
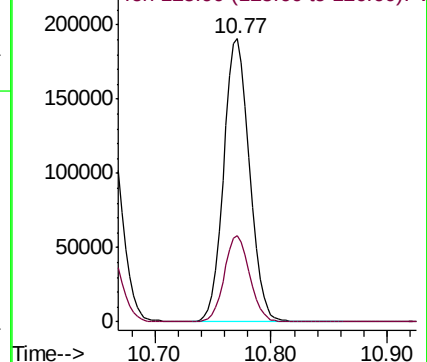
91 100

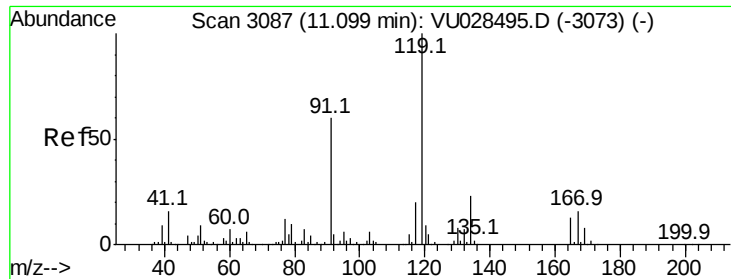
126 30.2 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

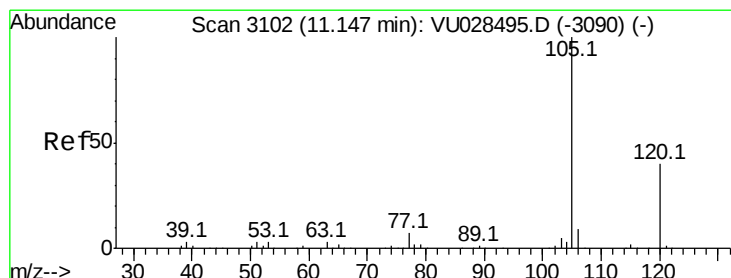
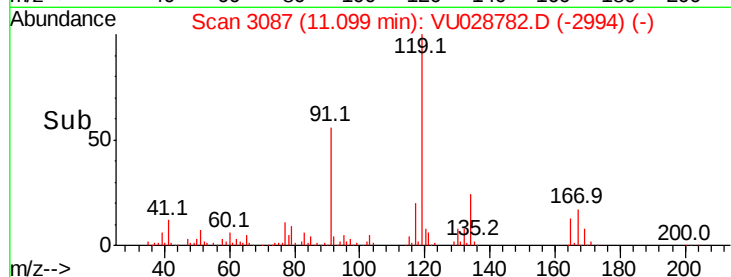
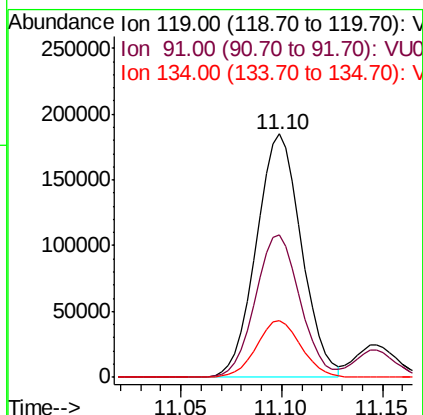
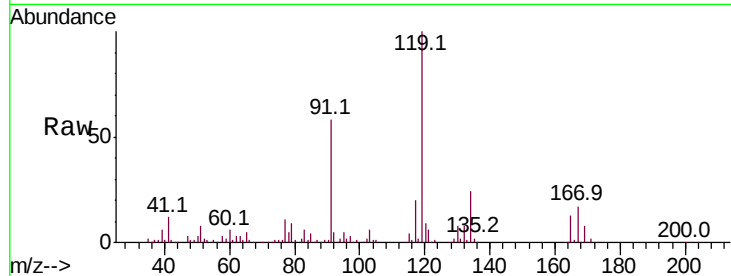




#83
tert-Butylbenzene
Concen: 53.459 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

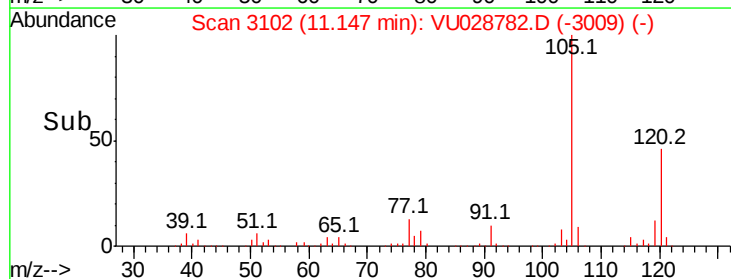
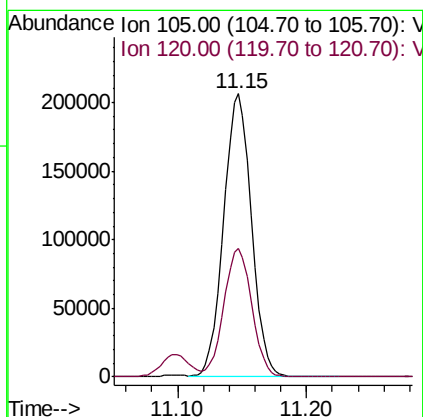
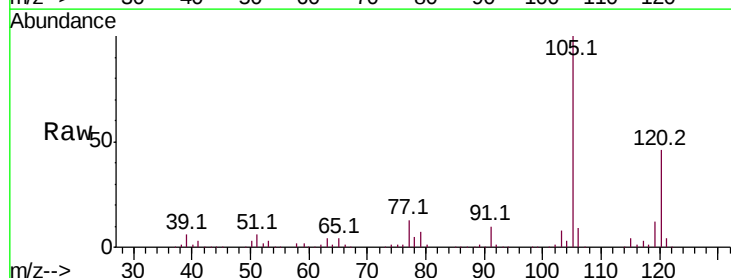
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

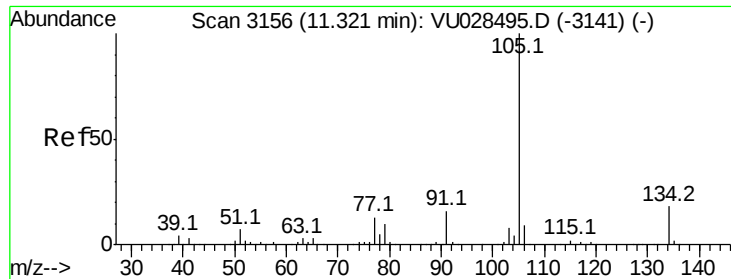
Tot Ion:119 Resp: 288984
Ion Ratio Lower Upper
119 100
91 58.2 30.3 91.0
134 23.0 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 53.420 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion:105 Resp: 308767
Ion Ratio Lower Upper
105 100
120 45.4 21.8 65.4

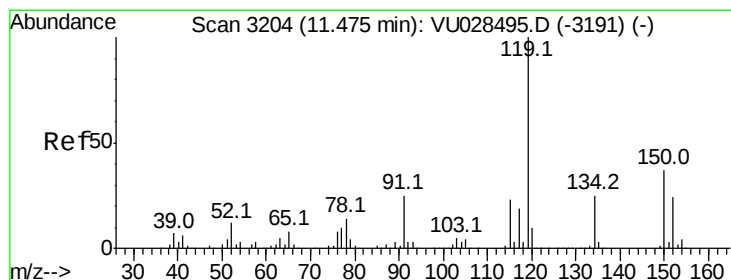
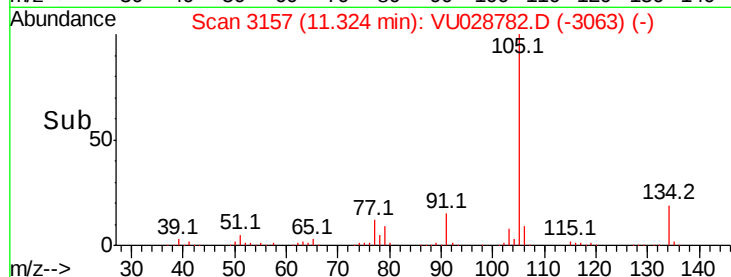
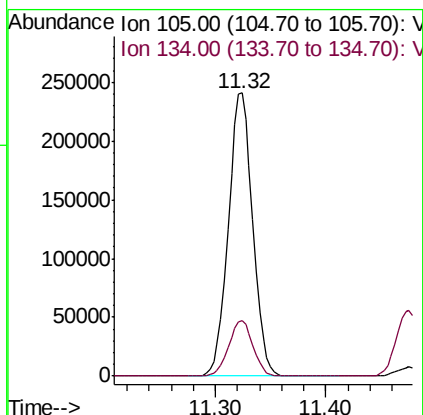
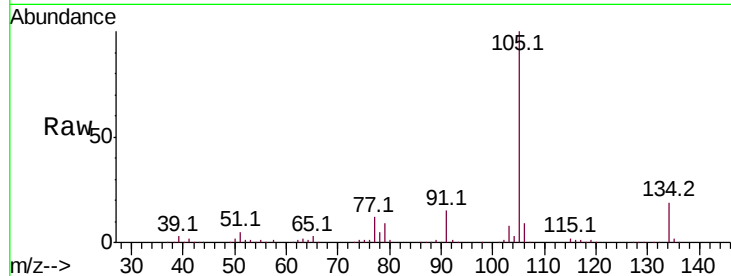




#85
 sec-Butylbenzene
 Concen: 52.913 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

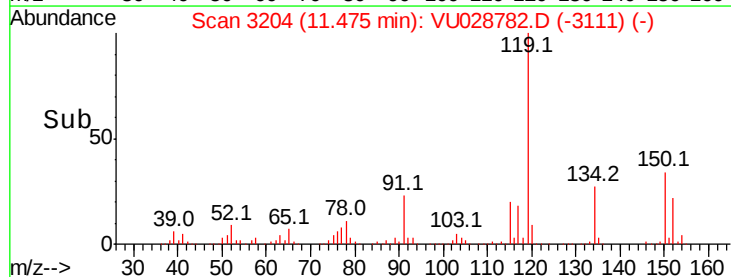
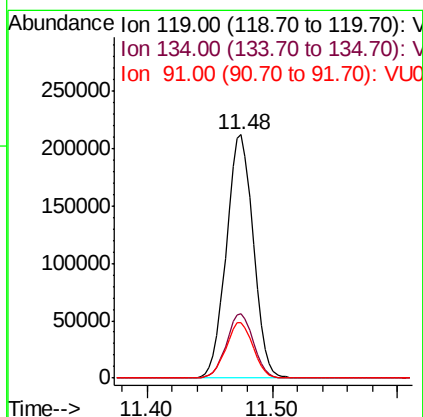
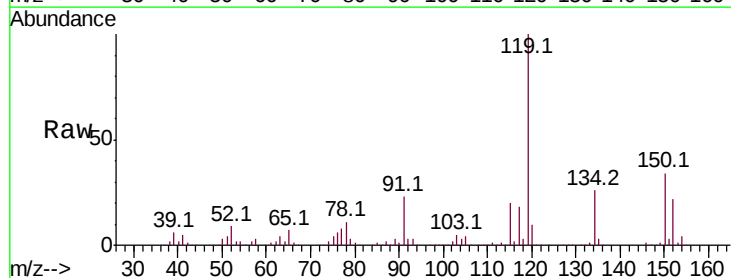
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

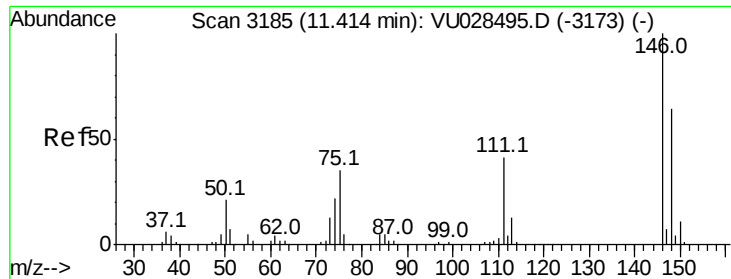
Tot Ion:105 Resp: 367458
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 53.536 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion:119 Resp: 315822
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.7 38.1
 91 23.1 12.6 37.6

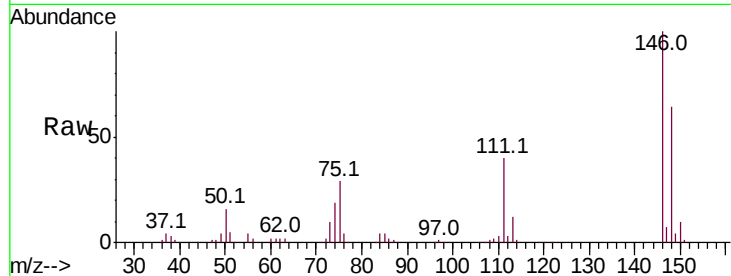




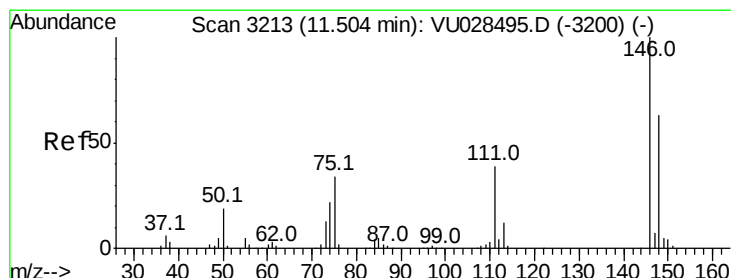
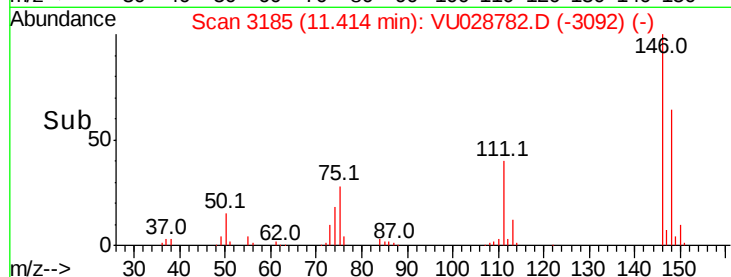
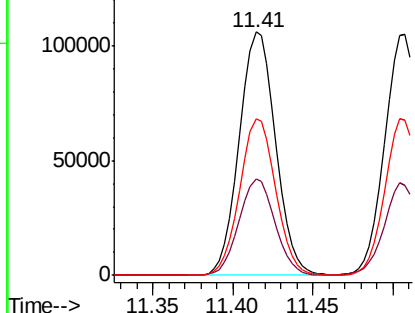
#87
 1,3-Dichlorobenzene
 Concen: 54.750 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.7	62.1
148	63.7	31.9	95.7

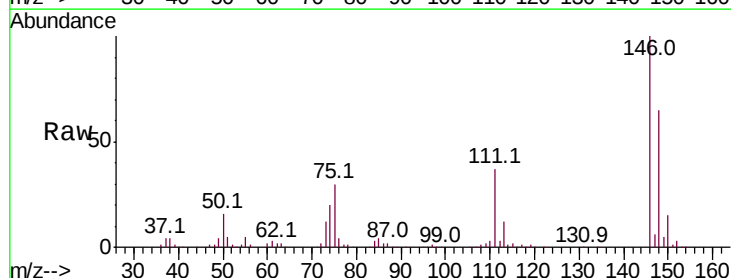


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

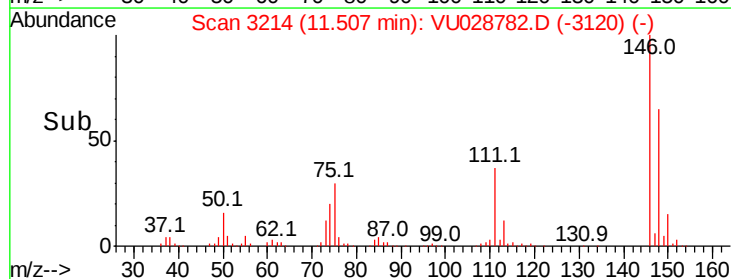
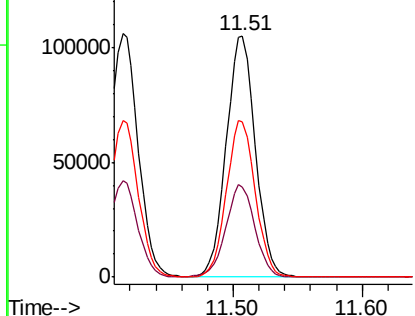


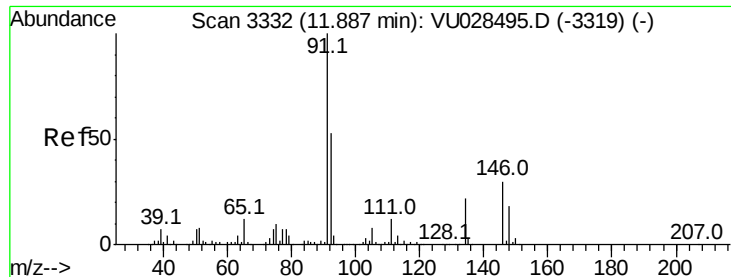
#88
 1,4-Dichlorobenzene
 Concen: 53.036 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.2	60.5
148	64.3	31.6	95.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

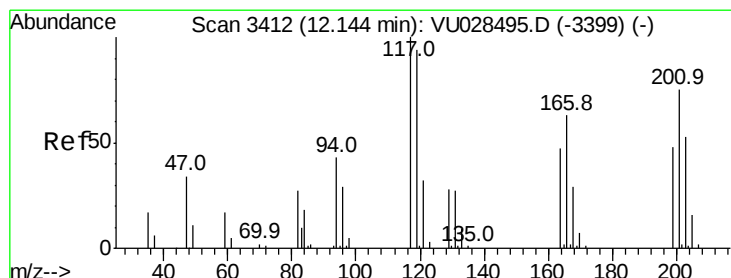
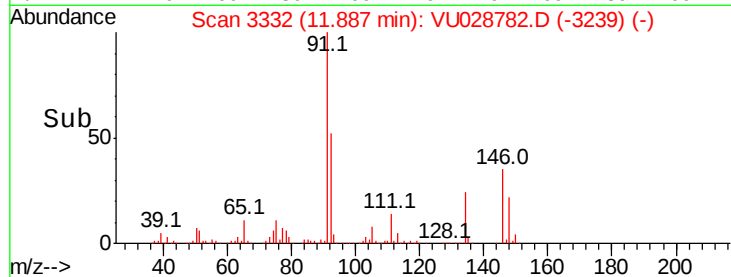
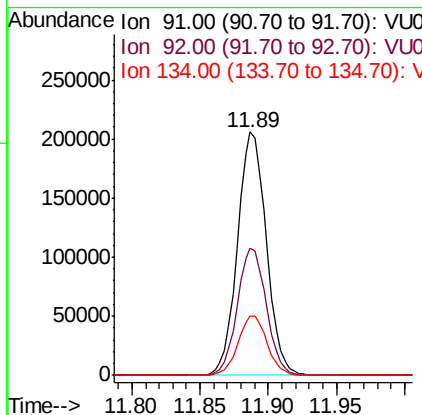
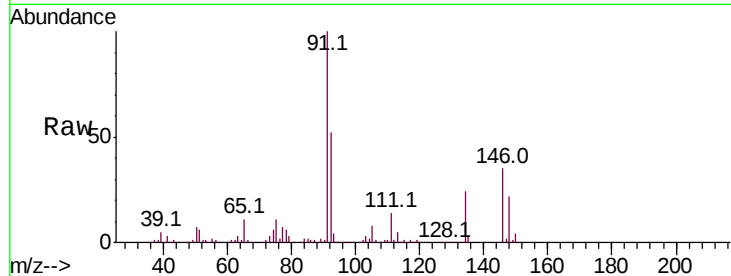




#89
n-Butylbenzene
Concen: 50.576 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

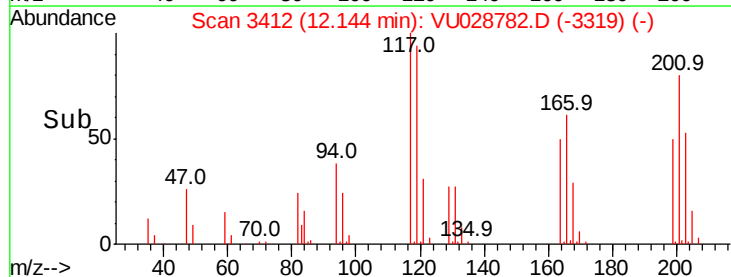
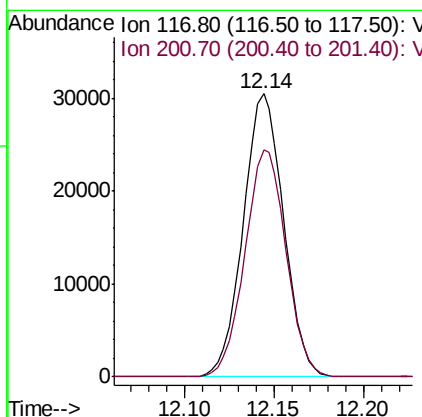
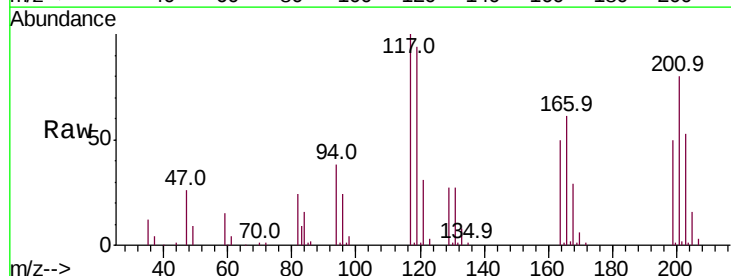
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

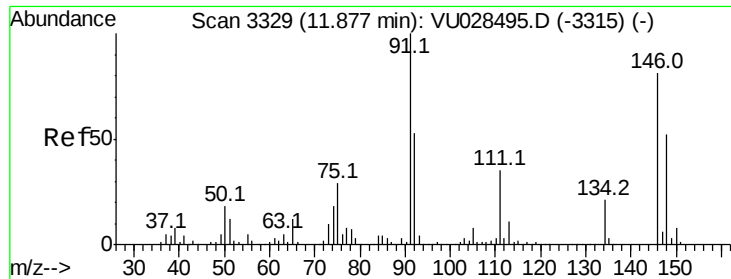
Tot Ion: 91 Resp: 301956
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 24.5 11.3 33.8



#90
Hexachloroethane
Concen: 54.235 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 117 Resp: 48359
Ion Ratio Lower Upper
117 100
201 81.5 38.1 114.5





#91

1,2-Dichlorobenzene

Concen: 53.986 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

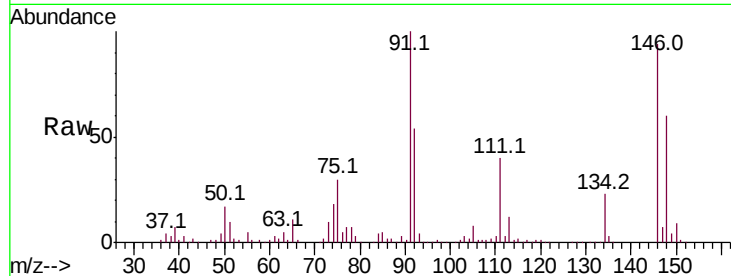
Tot Ion:146 Resp: 161577

Ion Ratio Lower Upper

146 100

111 41.7 21.1 63.4

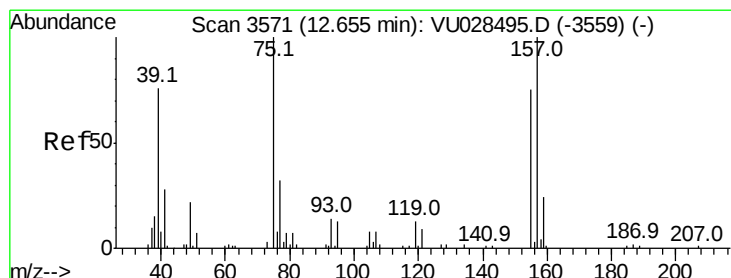
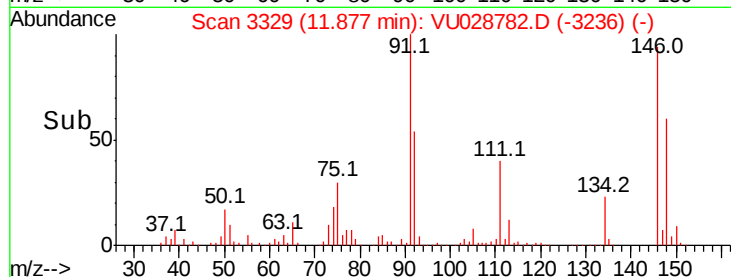
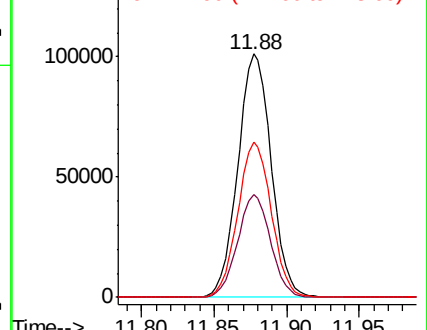
148 63.8 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.824 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

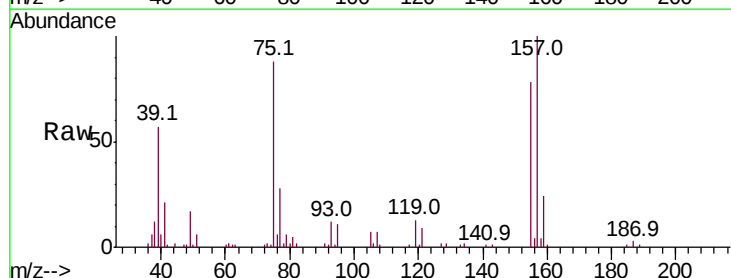
Tgt Ion: 75 Resp: 26948

Ion Ratio Lower Upper

75 100

155 87.0 38.1 114.5

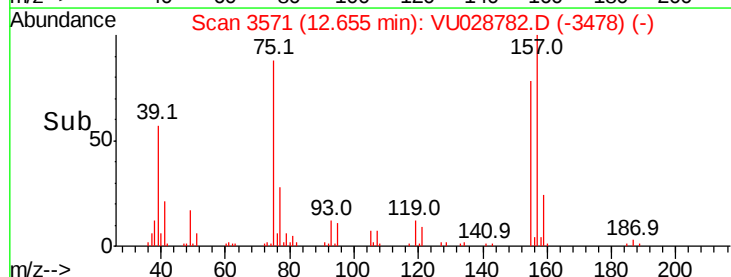
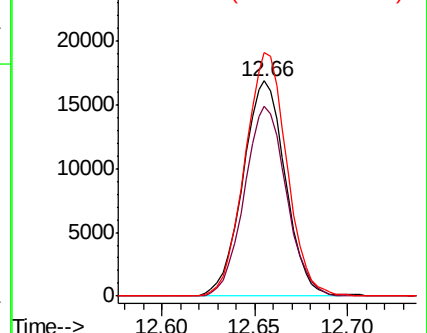
157 112.0 48.7 146.1

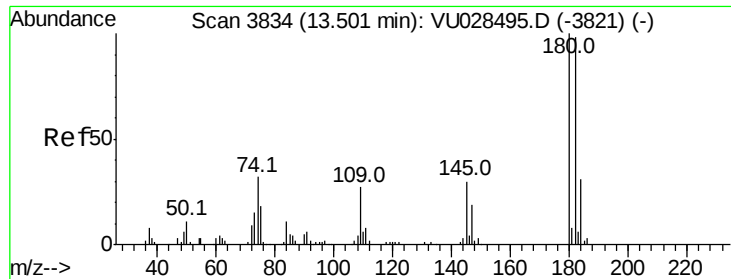


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

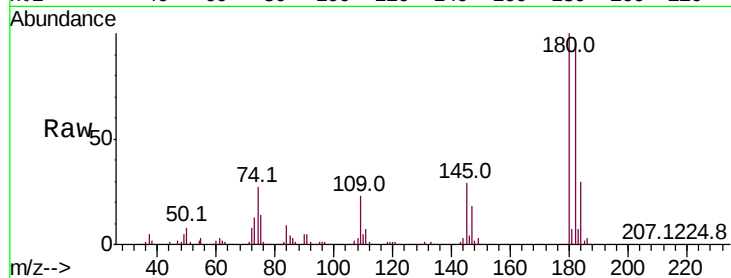




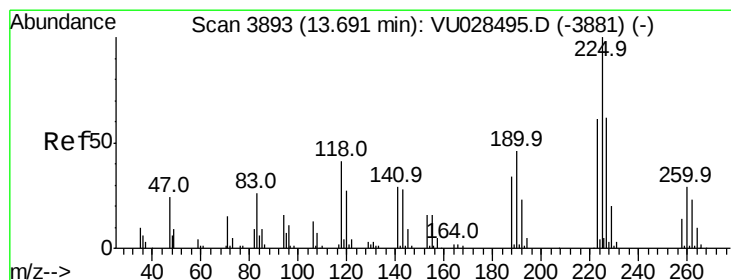
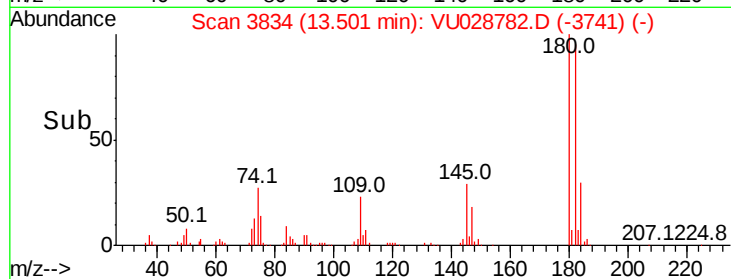
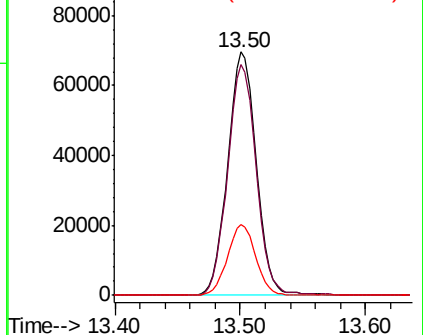
#93
 1,2,4-Trichlorobenzene
 Concen: 53.360 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.8
145	28.8	15.0	45.1

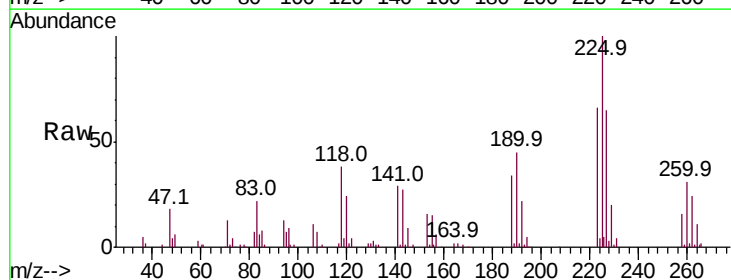


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

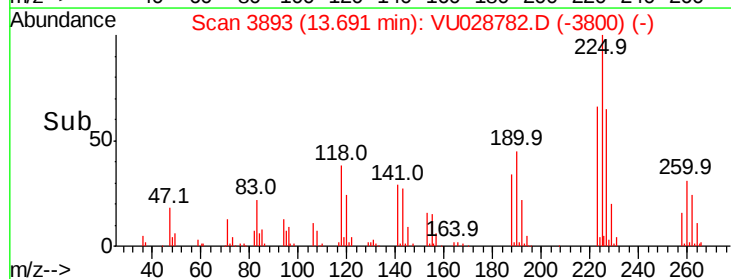
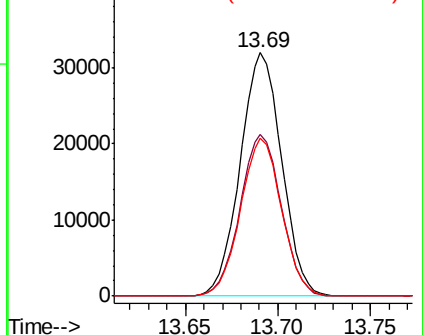


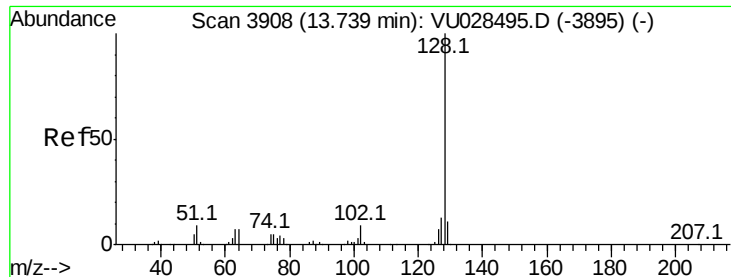
#94
 Hexachlorobutadiene
 Concen: 50.626 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	30.4	91.2
227	64.0	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

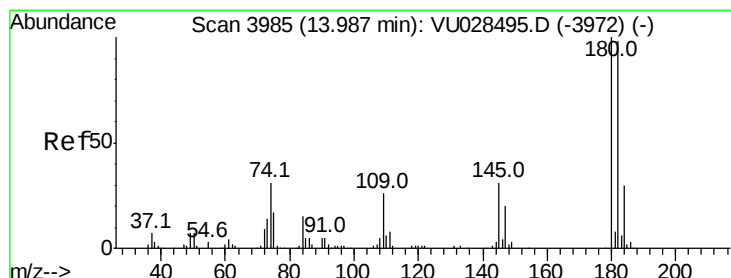
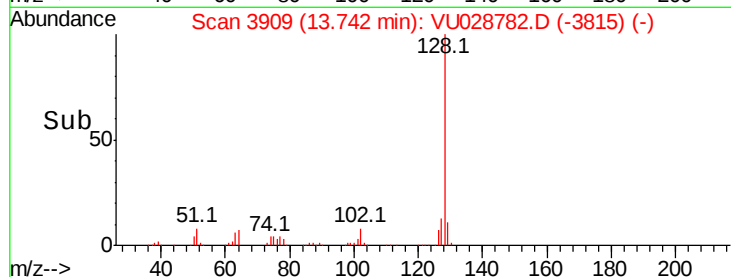
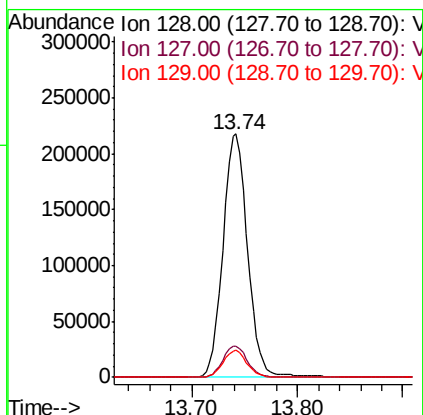
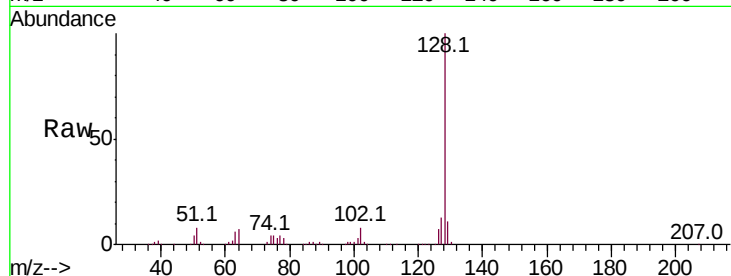




#95
Naphthalene
Concen: 48.963 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 351649
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 53.599 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion:180 Resp: 109733
Ion Ratio Lower Upper
180 100
182 95.4 48.2 144.6
145 30.1 15.8 47.3

