

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028547.D
 Acq On : 10 Dec 2018 13:09
 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 11 03:36:45 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	95441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	158186	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76719	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72699	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	4.88	113	53083	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	7.56	98	211217	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	10.30	95	77999	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	62870	49.146	ug/l	99
3) Chloromethane	1.33	50	107008	45.499	ug/l	98
4) Vinyl Chloride	1.40	62	82986	48.894	ug/l	98
5) Bromomethane	1.62	94	37939	55.491	ug/l	99
6) Chloroethane	1.69	64	47075	48.992	ug/l	99
7) Trichlorofluoromethane	1.88	101	87732	49.130	ug/l	95
8) Diethyl Ether	2.10	74	38516	46.101	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	52528	49.184	ug/l	98
10) Methyl Iodide	2.41	142	28998	34.604	ug/l	99
11) Tert butyl alcohol	2.82	59	79465	244.884	ug/l	100
12) 1,1-Dichloroethene	2.28	96	50550	47.571	ug/l	99
13) Acrolein	2.19	56	60362	233.338	ug/l	99
14) Allyl chloride	2.59	41	118522	47.148	ug/l	99
15) Acrylonitrile	2.93	53	223844	248.463	ug/l	100
16) Acetone	2.32	43	233129	245.288	ug/l	99
17) Carbon Disulfide	2.48	76	182557	47.688	ug/l	99
18) Methyl Acetate	2.61	43	124518	50.540	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	196783	48.850	ug/l	99
20) Methylene Chloride	2.70	84	64898	46.320	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	57387	47.965	ug/l	100
22) Diisopropyl ether	3.57	45	245719	50.264	ug/l	99
23) Vinyl Acetate	3.52	43	1019896	252.934	ug/l	99
24) 1,1-Dichloroethane	3.44	63	123129	48.117	ug/l	99
25) 2-Butanone	4.26	43	329600	253.762	ug/l	99
26) 2,2-Dichloropropane	4.22	77	98186	48.425	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	65907	48.669	ug/l	99
28) Bromochloromethane	4.55	49	54947	47.234	ug/l	98
29) Tetrahydrofuran	4.63	42	208610	250.079	ug/l	99
30) Chloroform	4.67	83	111659	50.065	ug/l	98
31) Cyclohexane	4.99	56	124375	49.802	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	91508	49.402	ug/l	99
36) 1,1-Dichloropropene	5.13	75	88906	51.361	ug/l	99
37) Ethyl Acetate	4.38	43	115587	51.655	ug/l	99
38) Carbon Tetrachloride	5.13	117	73609	52.759	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	109039	51.633	ug/l	99
40) Benzene	5.39	78	265130	52.005	ug/l	100
41) Methacrylonitrile	4.54	41	67909	55.415	ug/l	96
42) 1,2-Dichloroethane	5.40	62	92647	51.916	ug/l	98
43) Isopropyl Acetate	5.55	43	188193	53.172	ug/l	99
44) Trichloroethene	6.18	130	58127	51.278	ug/l	97
45) 1,2-Dichloropropane	6.43	63	75743	52.832	ug/l	98
46) Dibromomethane	6.56	93	44357	52.146	ug/l	98
47) Bromodichloromethane	6.75	83	86333	52.156	ug/l	100
48) Methyl methacrylate	6.62	41	94350	53.604	ug/l	99
49) 1,4-Dioxane	6.61	88	31266	1125.010	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	583403	261.346	ug/l	98
52) Toluene	7.64	92	154787	51.589	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	105638	53.585	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	113171	52.912	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	61510	51.862	ug/l	97
56) Ethyl methacrylate	8.02	69	106218	52.298	ug/l	99
57) 1,3-Dichloropropane	8.24	76	115343	52.390	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	279304	268.485	ug/l	100
59) 2-Hexanone	8.36	43	461831	261.019	ug/l	100
60) Dibromochloromethane	8.48	129	61463	52.931	ug/l	98
61) 1,2-Dibromoethane	8.58	107	66100	53.146	ug/l	99
64) Tetrachloroethene	8.22	164	51012	50.454	ug/l	98
65) Chlorobenzene	9.12	112	162696	50.371	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	53893	52.251	ug/l	99
67) Ethyl Benzene	9.25	91	300987	50.691	ug/l	99
68) m/p-Xylenes	9.37	106	219704	101.688	ug/l	97
69) o-Xylene	9.78	106	107518	51.208	ug/l	99
70) Styrene	9.79	104	179561	51.676	ug/l	99
71) Bromoform	9.96	173	47417	54.041	ug/l #	99
73) Isopropylbenzene	10.16	105	288286	48.971	ug/l	100
74) N-amyl acetate	10.01	43	164429	48.422	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	111974	49.515	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	134743	68.780	ug/l	82
77) Bromobenzene	10.45	156	67727	49.192	ug/l	98
78) n-propylbenzene	10.58	91	365227	49.928	ug/l	99
79) 2-Chlorotoluene	10.66	91	207364	49.213	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	242853	49.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	134743	167.861	ug/l #	100
82) 4-Chlorotoluene	10.77	91	245069	49.080	ug/l	99
83) tert-Butylbenzene	11.10	119	230367	49.046	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	248410	49.464	ug/l	99
85) sec-Butylbenzene	11.32	105	300202	49.752	ug/l	99
86) p-Isopropyltoluene	11.48	119	254878	49.726	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	126526	48.668	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	128257	47.684	ug/l	99
89) n-Butylbenzene	11.89	91	264561	51.000	ug/l	100
90) Hexachloroethane	12.14	117	38154	49.248	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	125256	48.166	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24645	50.338	ug/l	98

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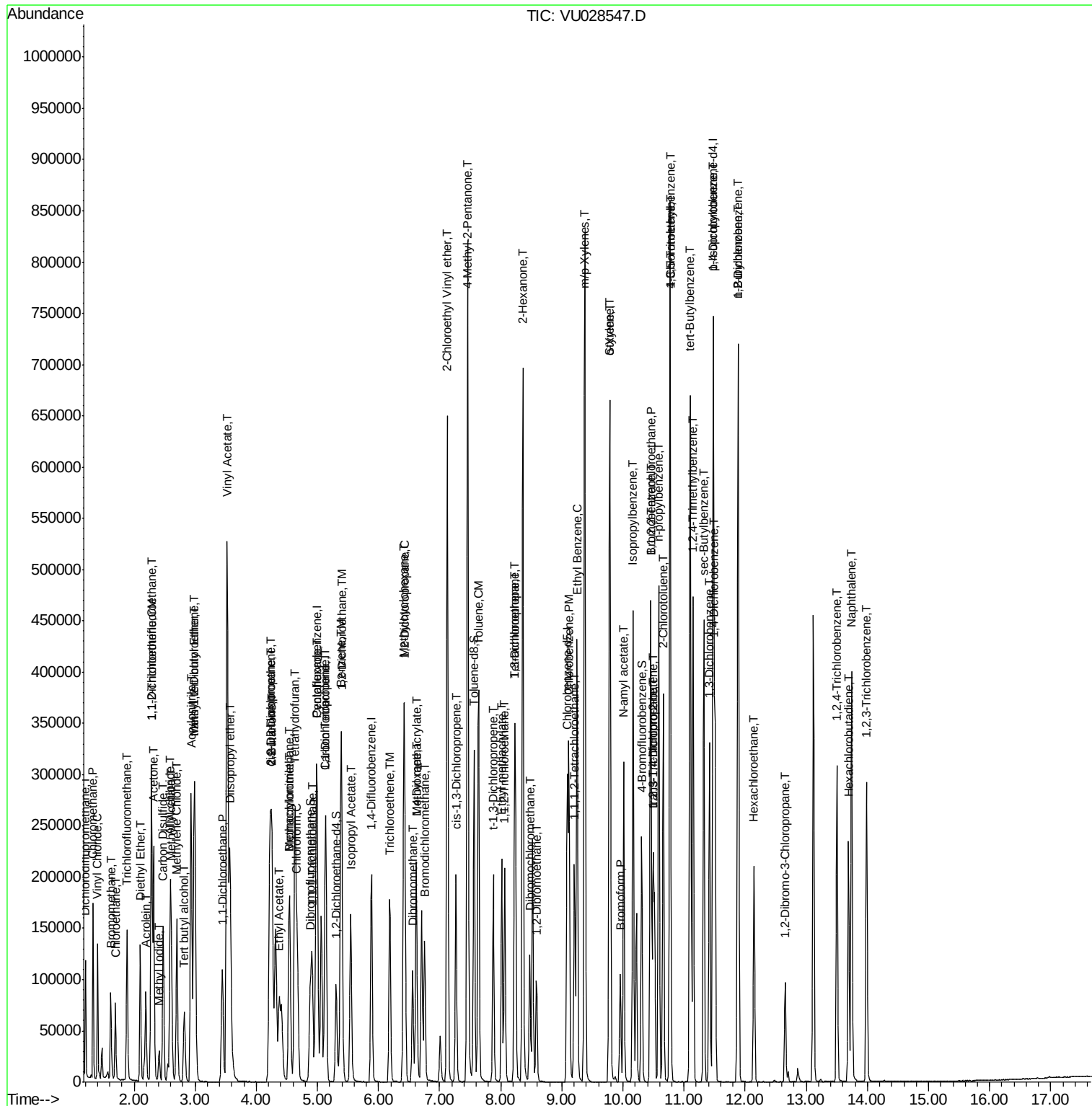
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	90474	50.619	ug/l	99
94) Hexachlorobutadiene	13.69	225	42231	49.577	ug/l	97
95) Naphthalene	13.74	128	298873	47.895	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	89046	50.068	ug/l	100

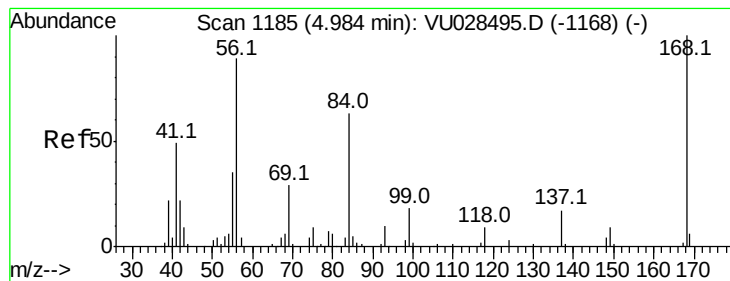
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

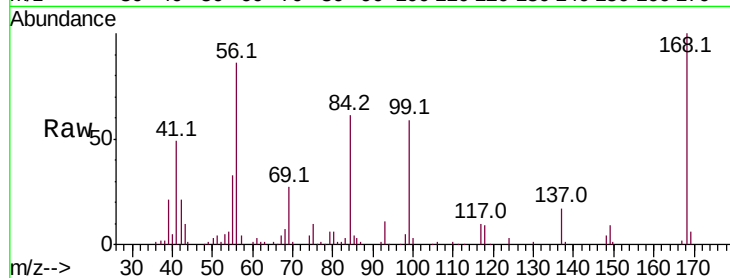
VSTDCCC050

Tot Ion:168 Resp: 95441

Ion Ratio Lower Upper

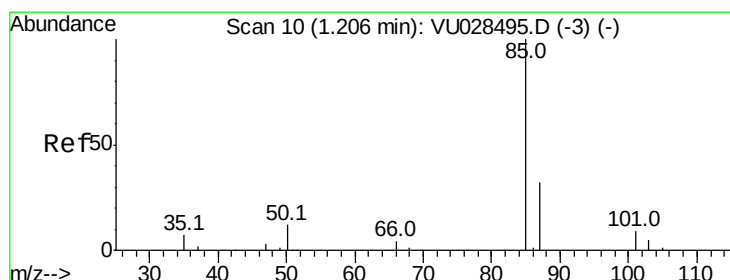
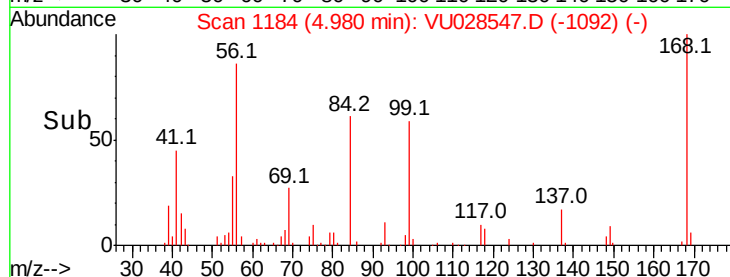
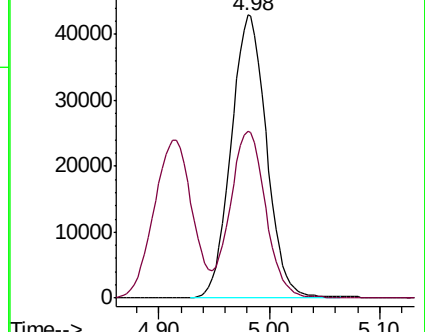
168 100

99 58.8 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) (-)



#2

Dichlorodifluoromethane

Concen: 49.146 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028547.D

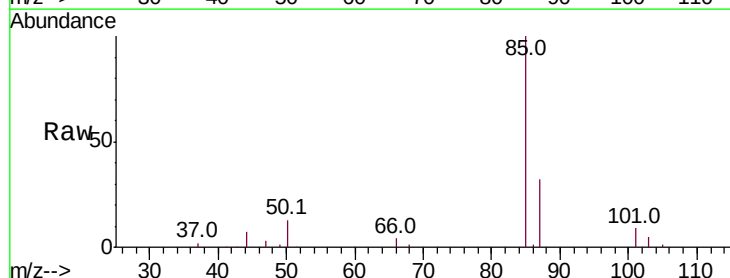
Acq: 10 Dec 2018 13:09

Tgt Ion: 85 Resp: 62870

Ion Ratio Lower Upper

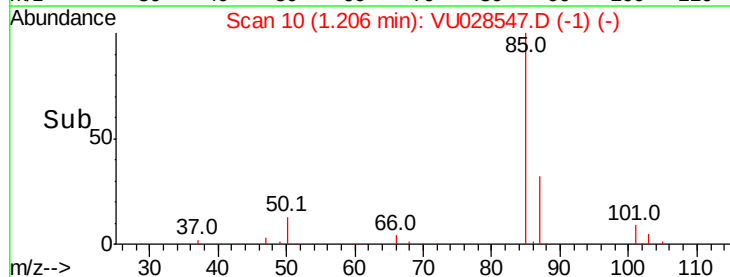
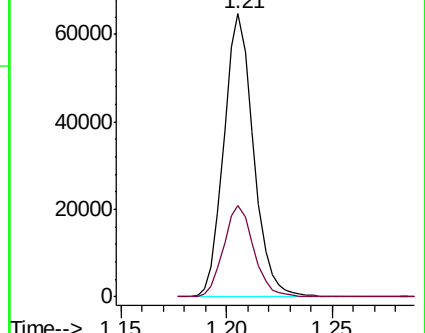
85 100

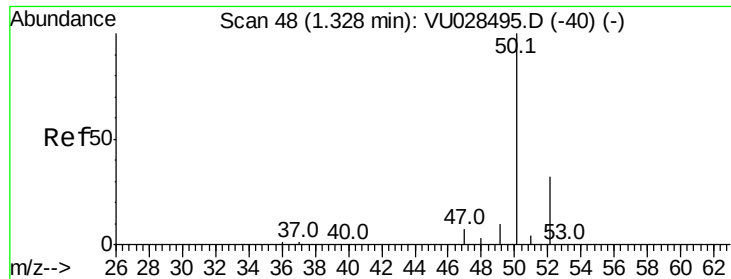
87 32.5 15.9 47.6



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

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

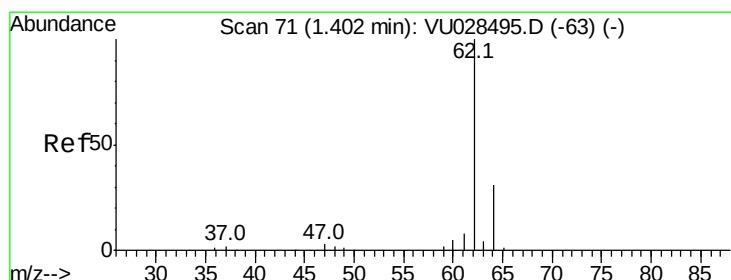
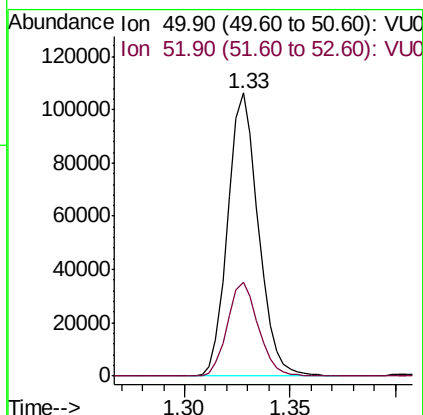
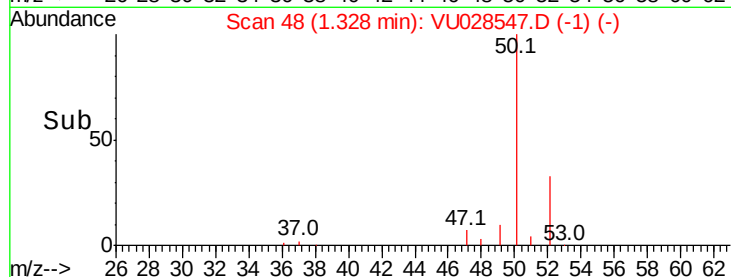
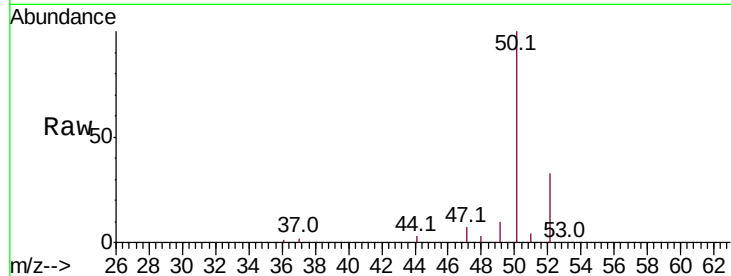




#3
Chloromethane
Concen: 45.499 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

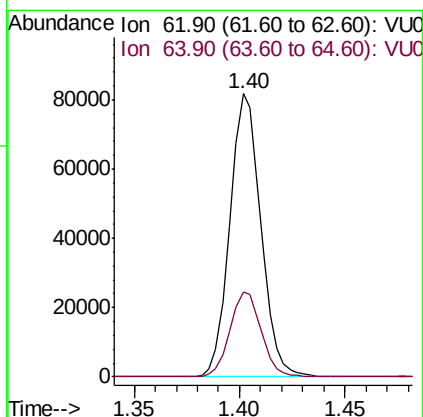
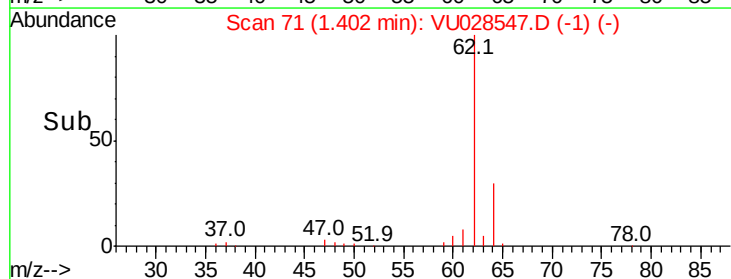
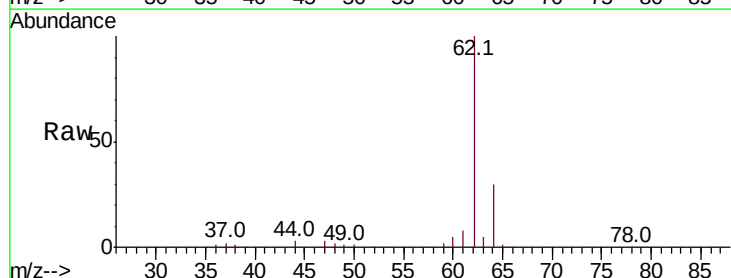
Instrument :
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ClientSampleId :
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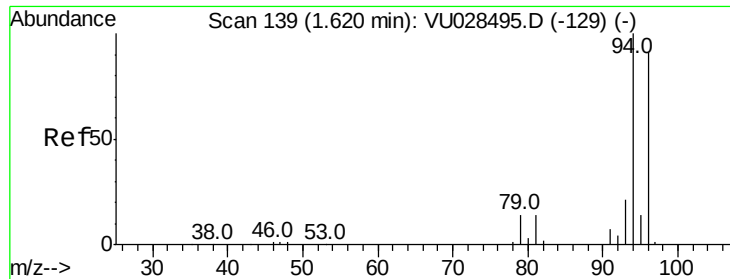
Tot Ion: 50 Resp: 107008
Ion Ratio Lower Upper
50 100
52 33.0 25.5 38.3



#4
Vinyl Chloride
Concen: 48.894 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 62 Resp: 82986
Ion Ratio Lower Upper
62 100
64 30.0 25.1 37.7





#5

Bromomethane

Concen: 55.491 ug/l

RT: 1.62 min Scan# 138

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

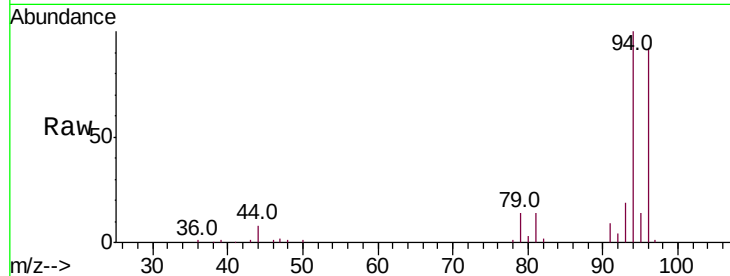
VSTDCCC050

Tot Ion: 94 Resp: 37939

Ion Ratio Lower Upper

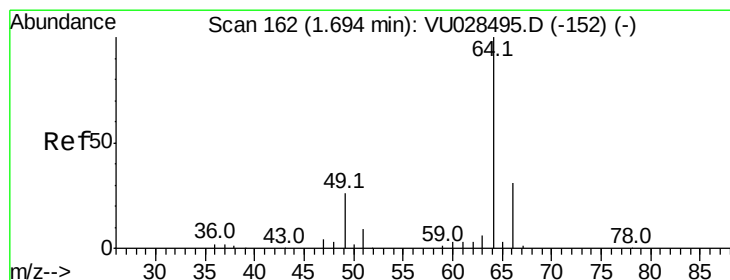
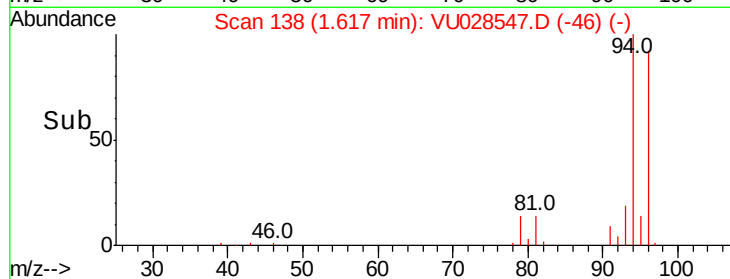
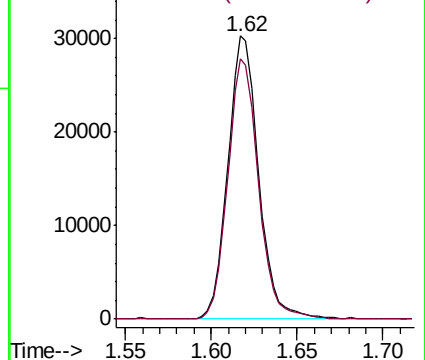
94 100

96 92.1 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: 48.992 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU028547.D

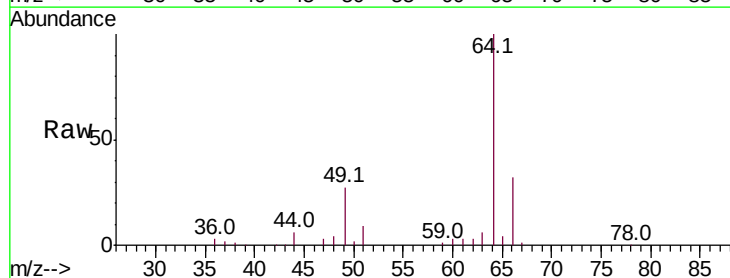
Acq: 10 Dec 2018 13:09

Tgt Ion: 64 Resp: 47075

Ion Ratio Lower Upper

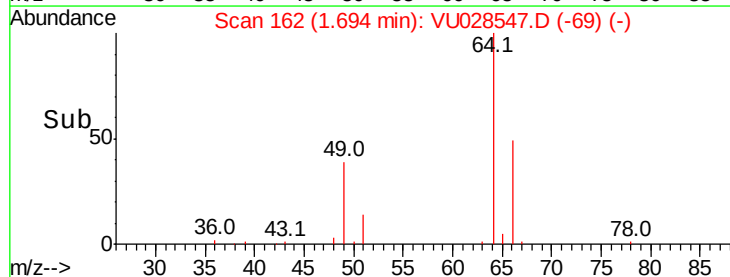
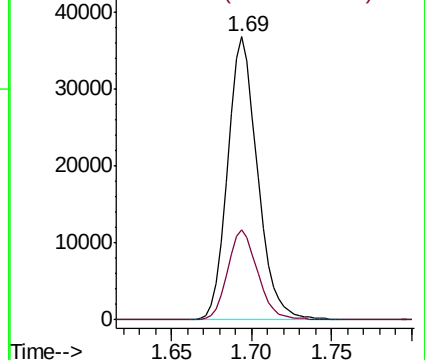
64 100

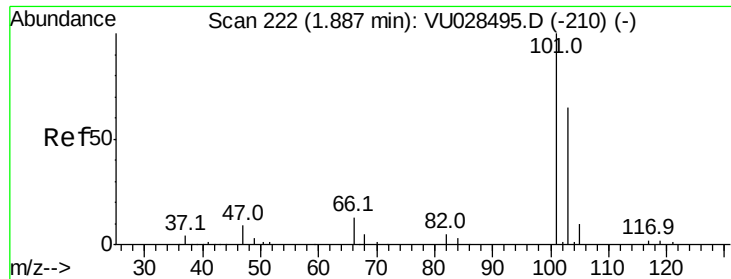
66 31.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



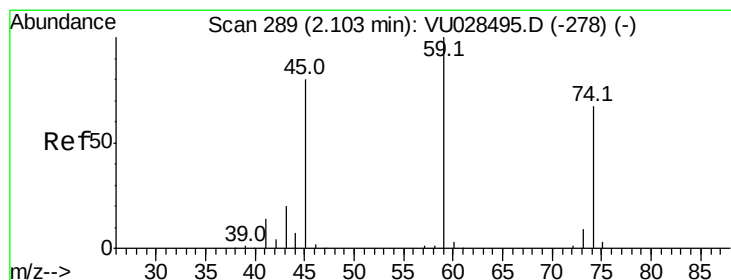
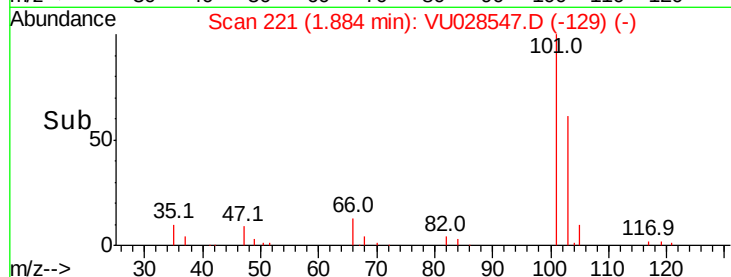
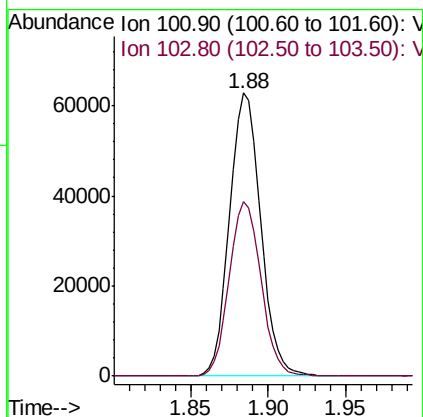
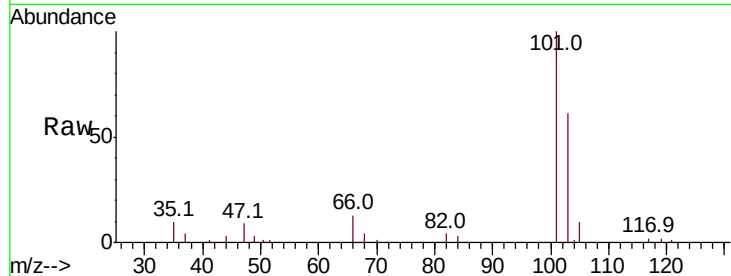


#7

Trichlorofluoromethane
 Concen: 49.130 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
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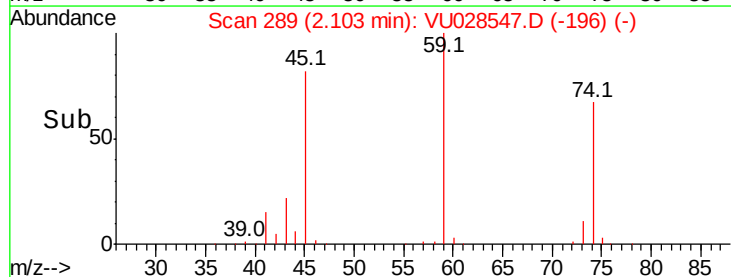
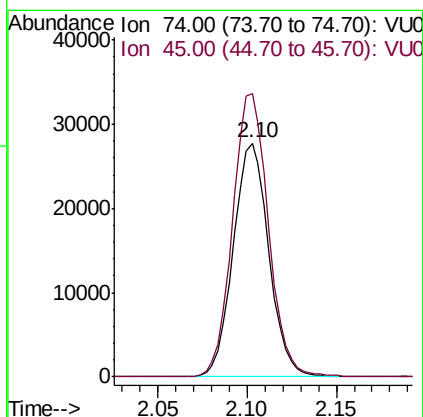
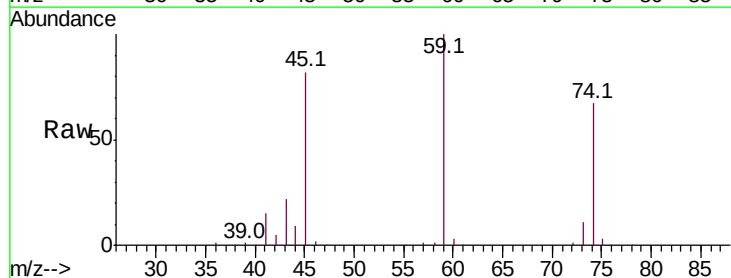
Tot Ion:101 Resp: 87732
 Ion Ratio Lower Upper
 101 100
 103 61.5 52.3 78.5

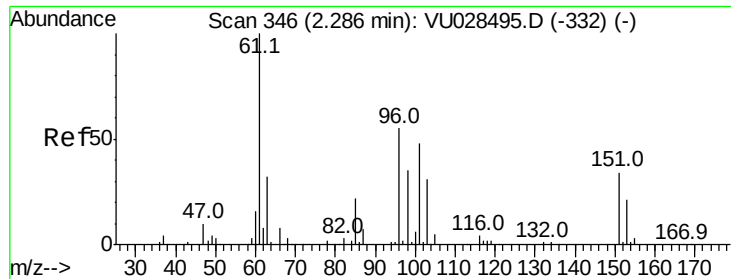


#8

Diethyl Ether
 Concen: 46.101 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion: 74 Resp: 38516
 Ion Ratio Lower Upper
 74 100
 45 122.2 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.184 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

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VSTDCCC050

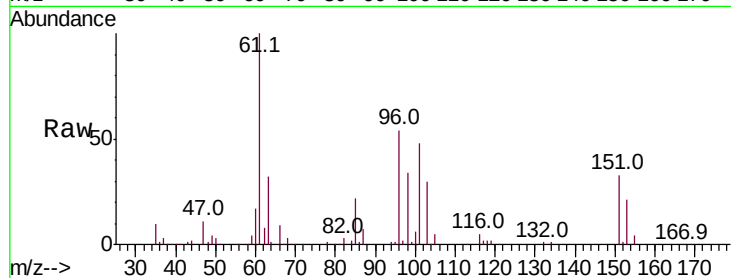
Tot Ion:101 Resp: 52528

Ion Ratio Lower Upper

101 100

85 45.4 36.4 54.6

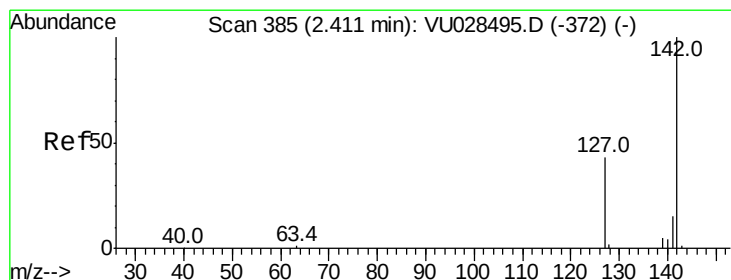
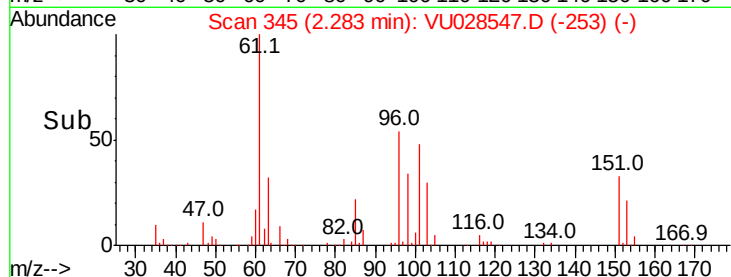
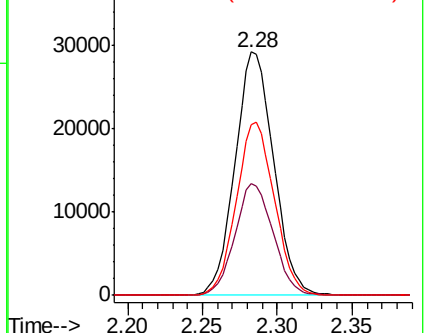
151 70.1 58.2 87.2



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: 34.604 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

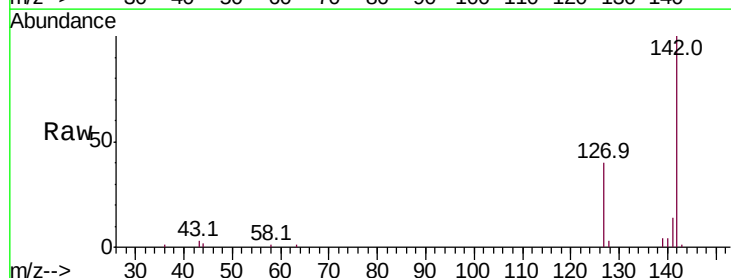
Tgt Ion:142 Resp: 28998

Ion Ratio Lower Upper

142 100

127 40.8 33.5 50.3

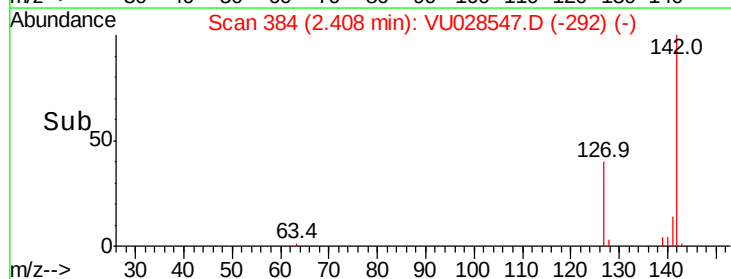
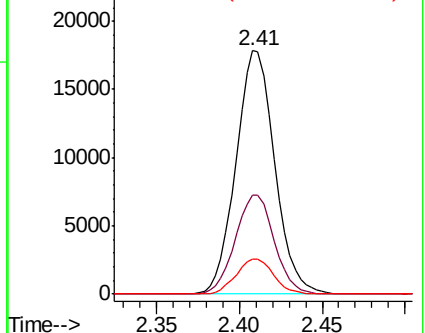
141 13.8 11.2 16.8

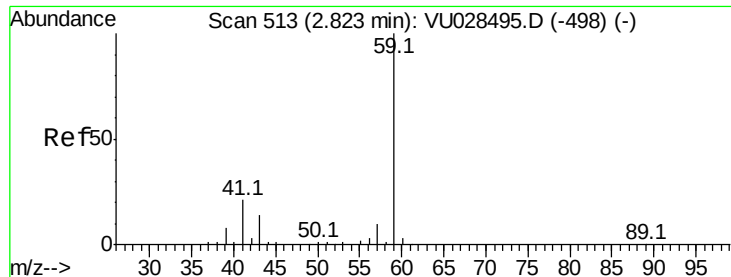


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



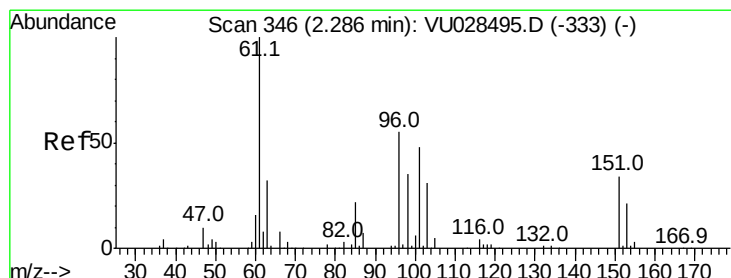
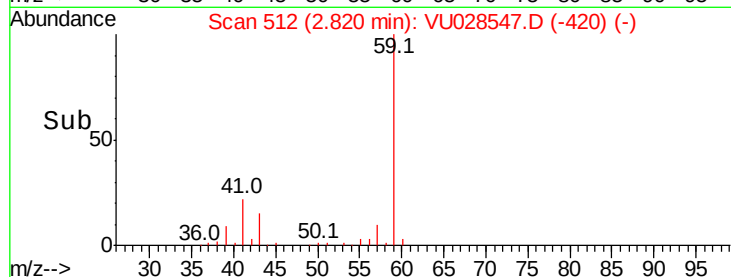
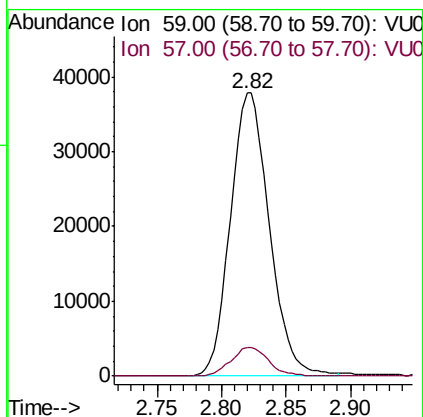
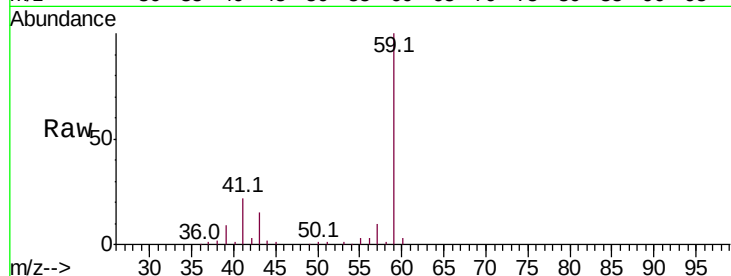


#11

Tert butyl alcohol
 Concen: 244.884 ug/l
 RT: 2.82 min Scan# 512
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

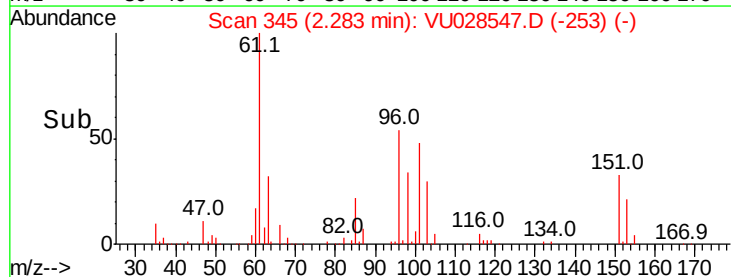
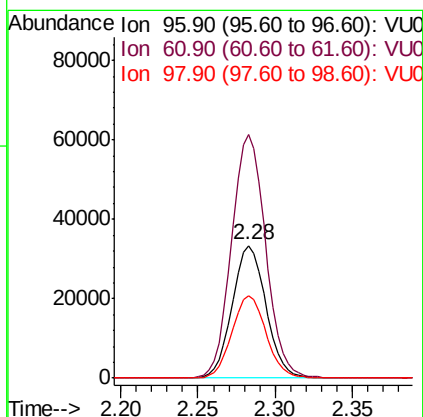
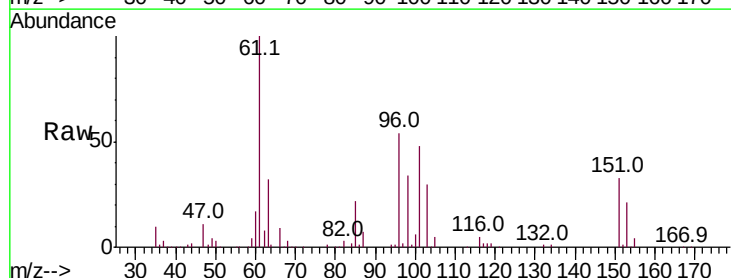
Tot Ion: 59 Resp: 79465
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0

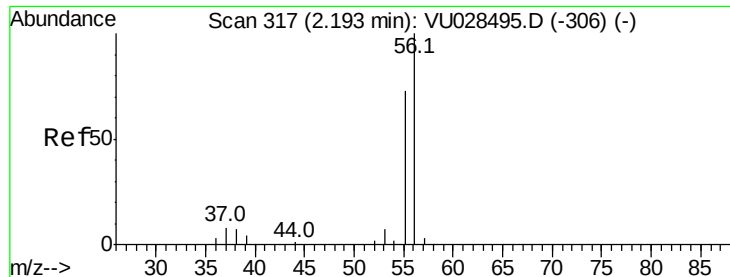


#12

1,1-Dichloroethene
 Concen: 47.571 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion: 96 Resp: 50550
 Ion Ratio Lower Upper
 96 100
 61 183.6 146.4 219.6
 98 62.2 51.8 77.8





#13

Acrolein

Concen: 233.338 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

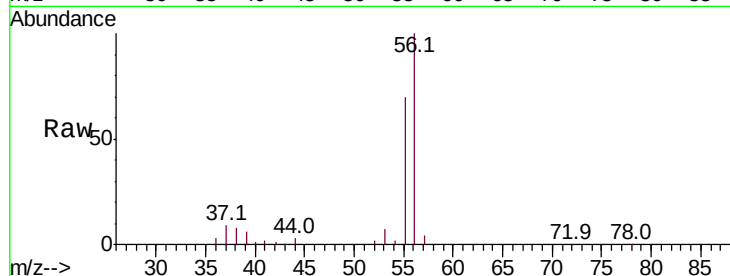
VSTDCCC050

Tot Ion: 56 Resp: 60362

Ion Ratio Lower Upper

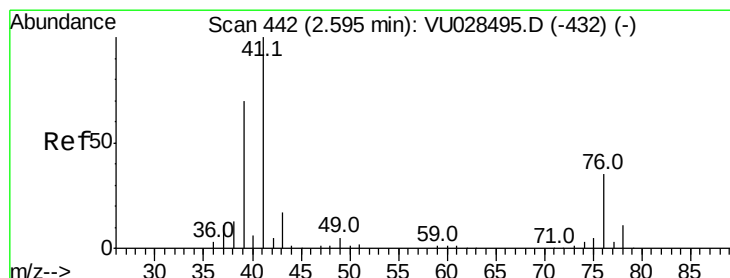
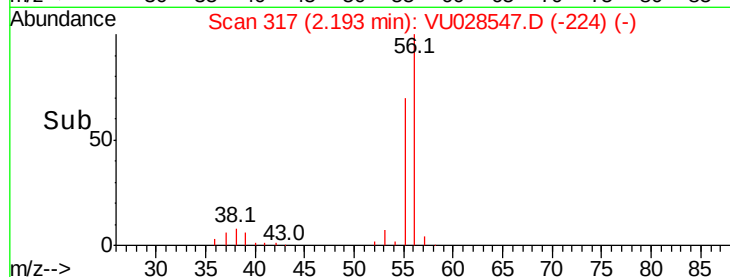
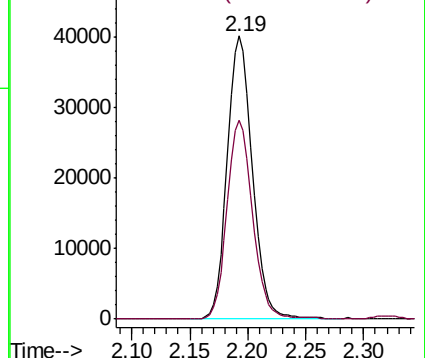
56 100

55 71.1 57.5 86.3



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

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



#14

Allyl chloride

Concen: 47.148 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

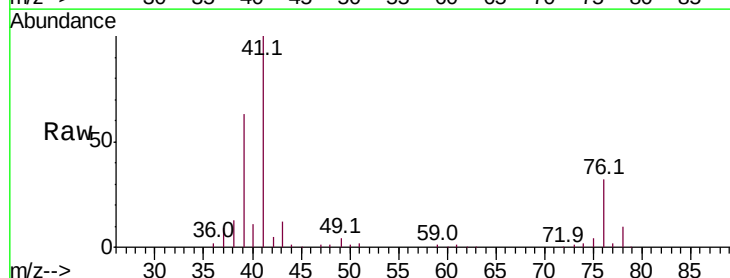
Tgt Ion: 41 Resp: 118522

Ion Ratio Lower Upper

41 100

39 62.3 50.8 76.2

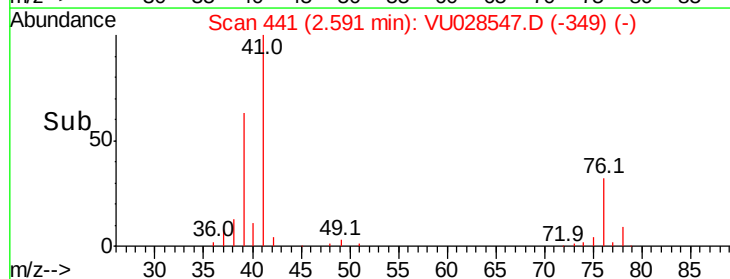
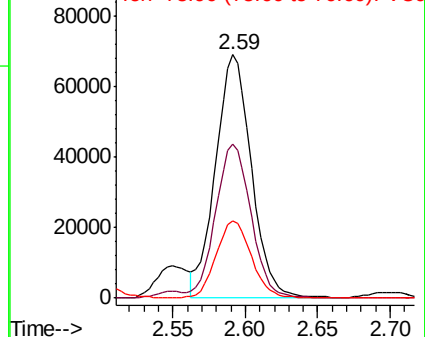
76 31.2 24.8 37.2

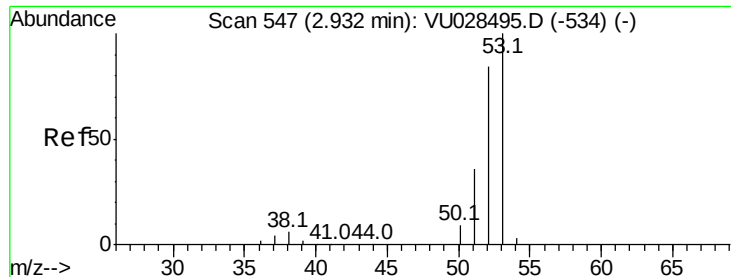


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-432) (-)

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

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





#15

Acrylonitrile

Concen: 248.463 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

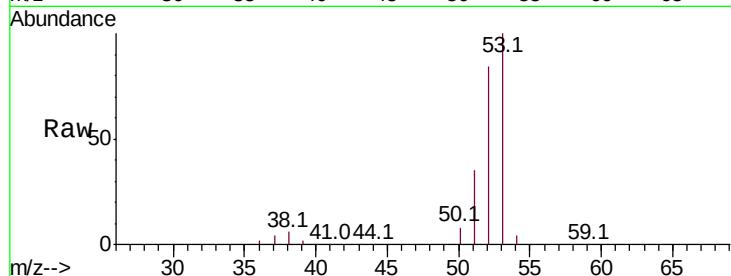
Tot Ion: 53 Resp: 223844

Ion Ratio Lower Upper

53 100

52 83.0 66.1 99.1

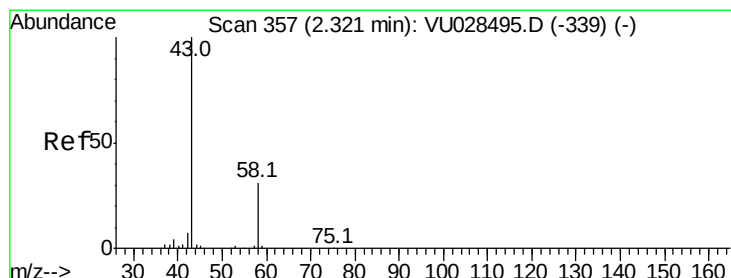
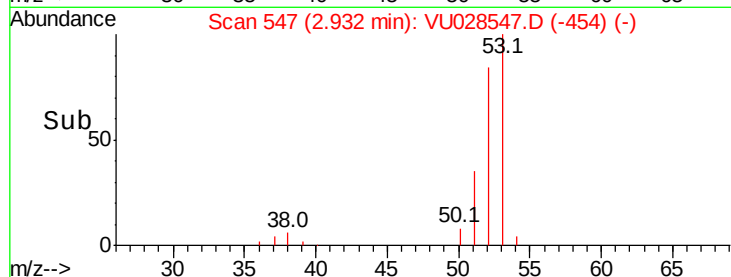
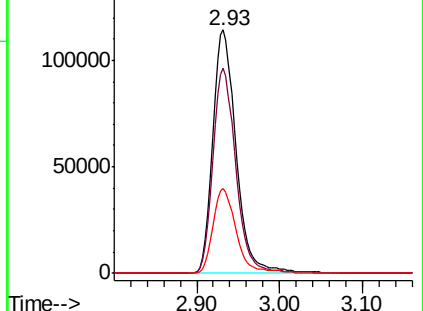
51 35.0 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 245.288 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028547.D

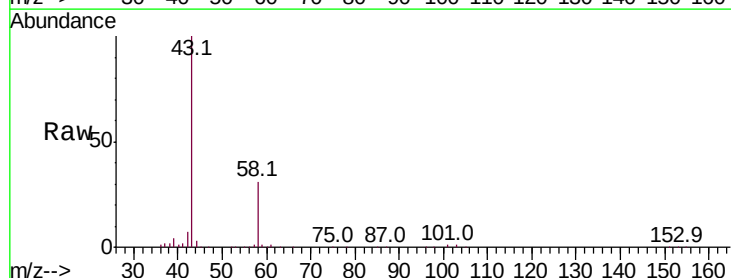
Acq: 10 Dec 2018 13:09

Tgt Ion: 43 Resp: 233129

Ion Ratio Lower Upper

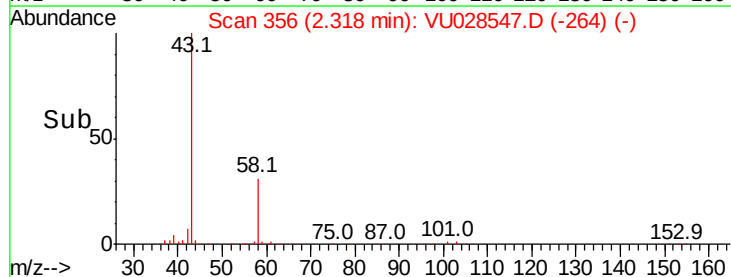
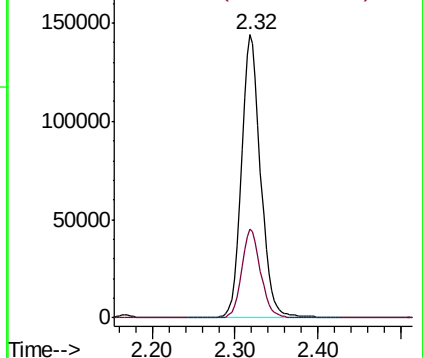
43 100

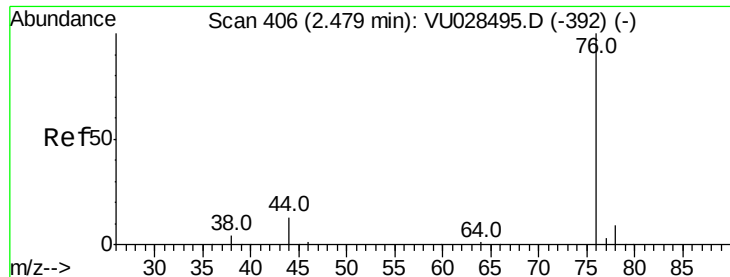
58 31.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 47.688 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

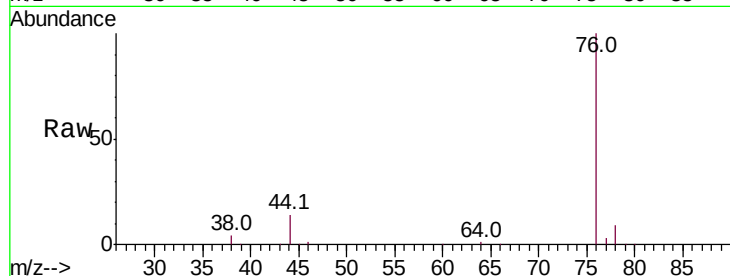
VSTDCCC050

Tot Ion: 76 Resp: 182557

Ion Ratio Lower Upper

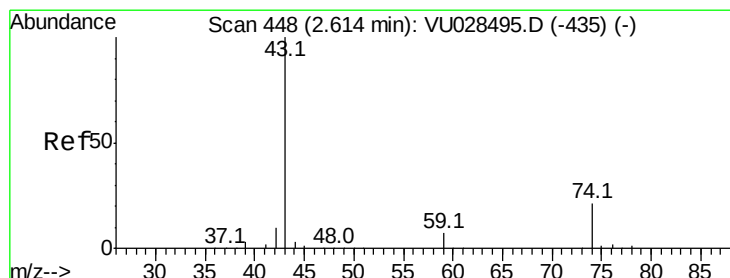
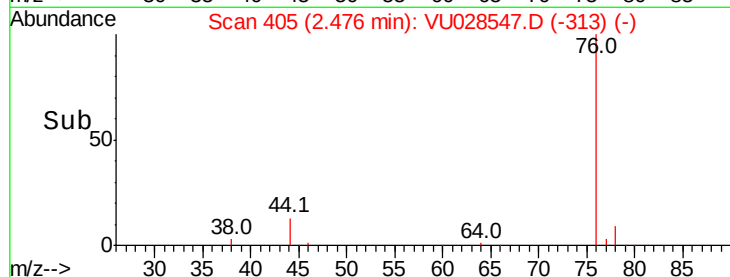
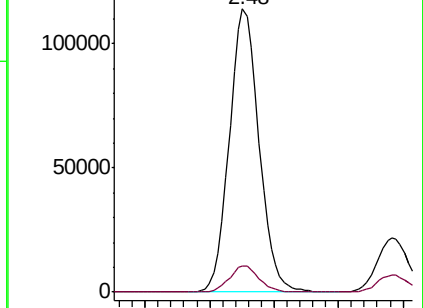
76 100

78 9.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 50.540 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028547.D

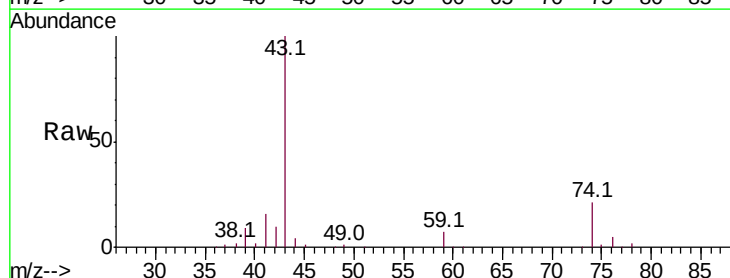
Acq: 10 Dec 2018 13:09

Tgt Ion: 43 Resp: 124518

Ion Ratio Lower Upper

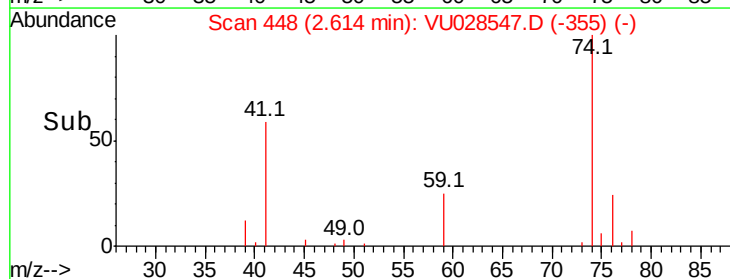
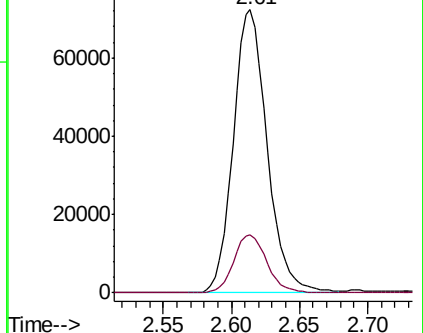
43 100

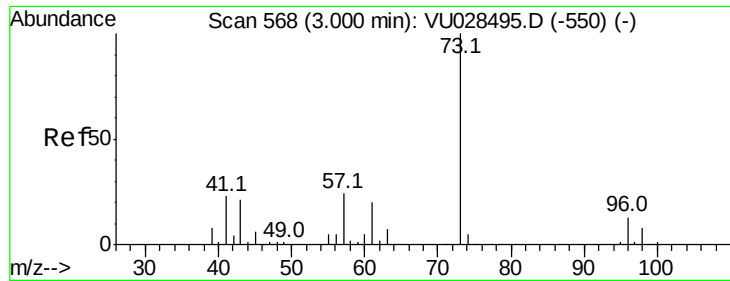
74 20.2 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

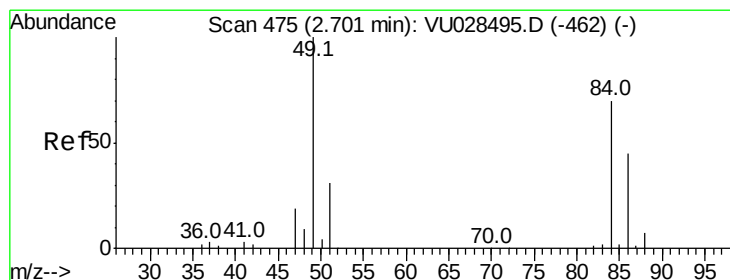
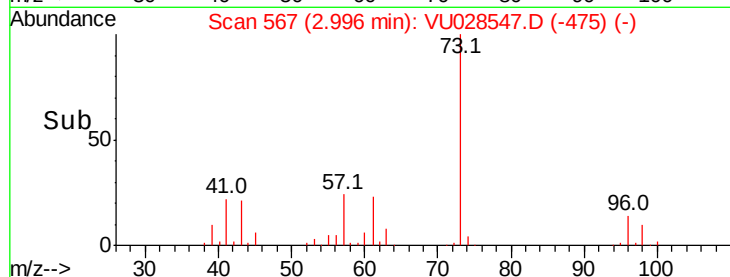
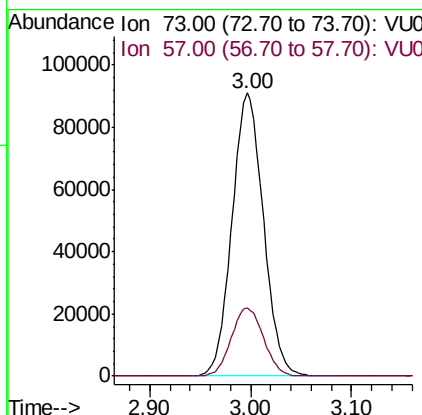
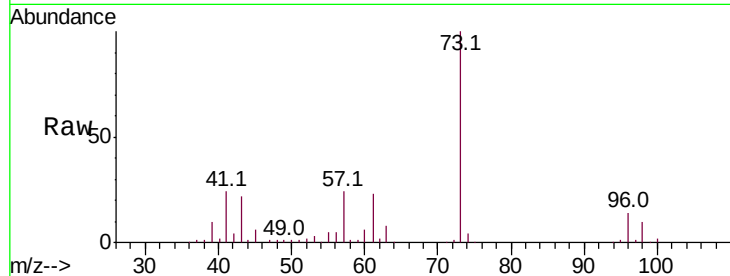




#19
Methyl tert-butyl Ether
Concen: 48.850 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

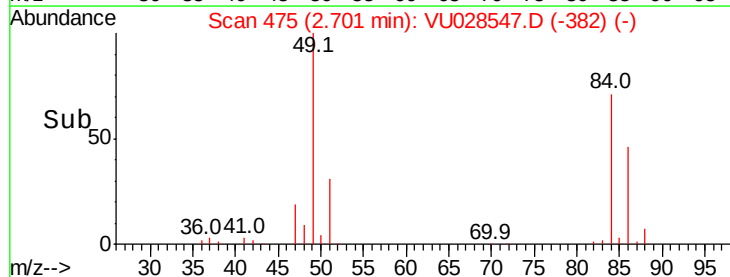
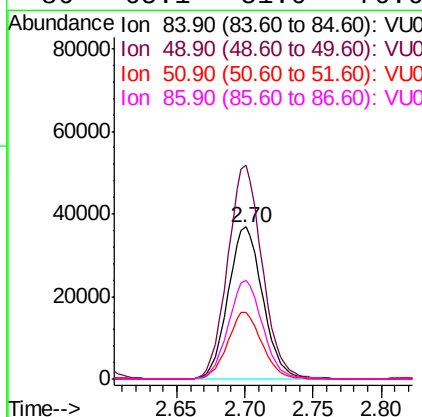
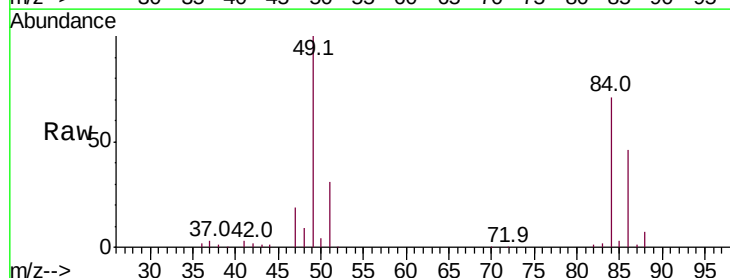
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

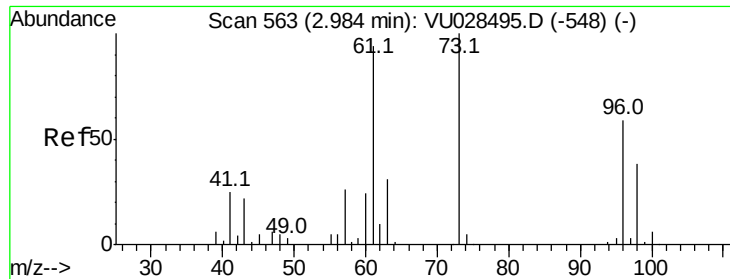
Tot Ion: 73 Resp: 196783
Ion Ratio Lower Upper
73 100
57 24.0 19.4 29.2



#20
Methylene Chloride
Concen: 46.320 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 84 Resp: 64898
Ion Ratio Lower Upper
84 100
49 140.8 114.0 171.0
51 44.1 35.1 52.7
86 65.1 51.0 76.6

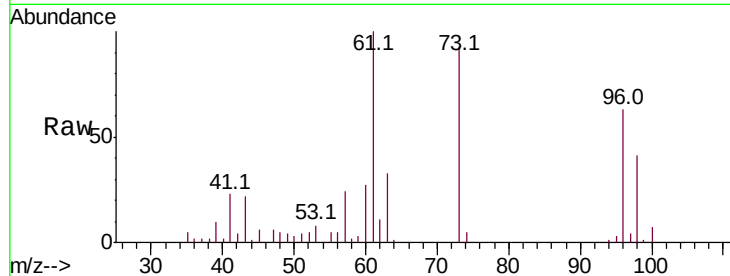




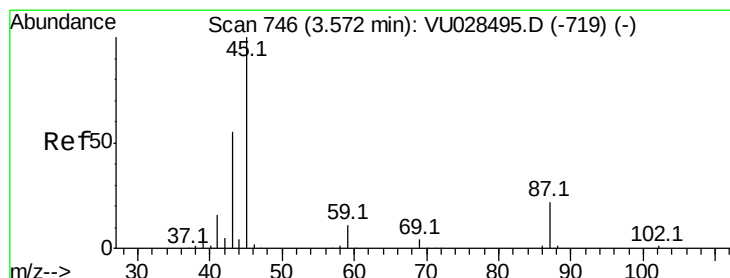
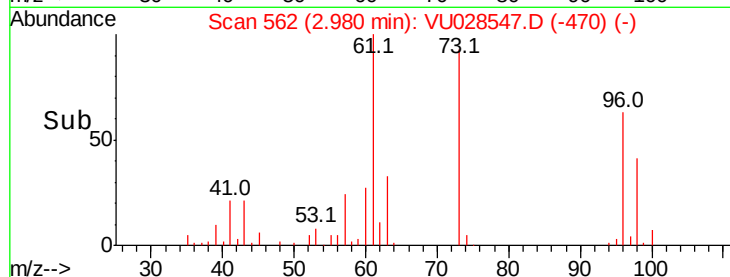
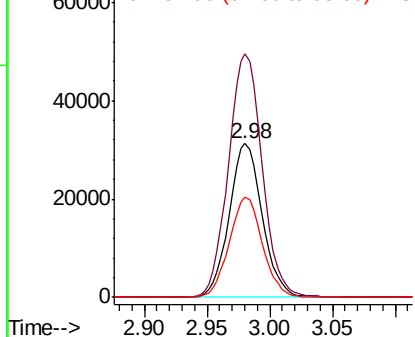
#21
trans-1,2-Dichloroethene
Concen: 47.965 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 57387
Ion Ratio Lower Upper
96 100
61 158.3 127.0 190.4
98 65.2 51.9 77.9

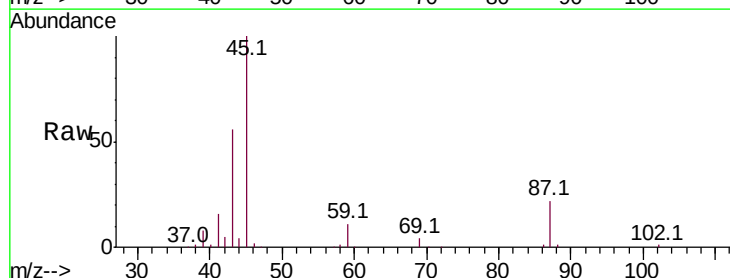


Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

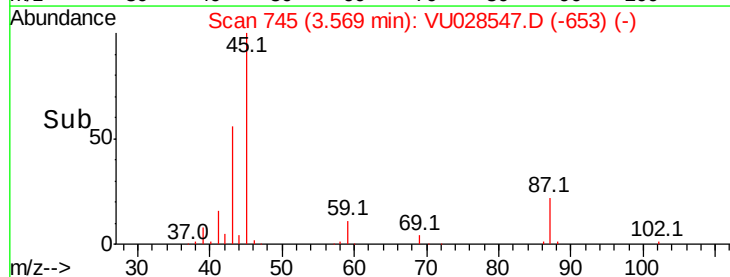
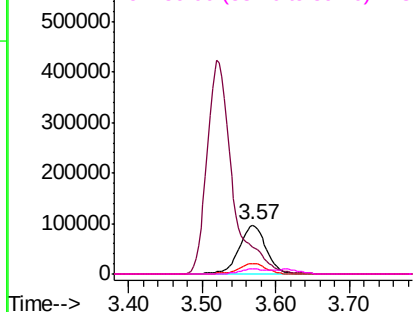


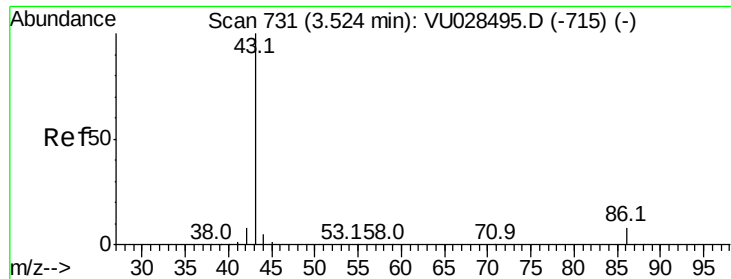
#22
Diisopropyl ether
Concen: 50.264 ug/l
RT: 3.57 min Scan# 745
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 45 Resp: 245719
Ion Ratio Lower Upper
45 100
43 55.6 45.3 67.9
87 21.9 17.6 26.4
59 11.0 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 252.934 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

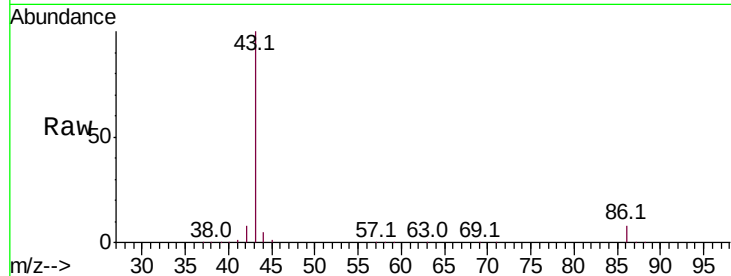
VSTDCCC050

Tot Ion: 43 Resp: 1019896

Ion Ratio Lower Upper

43 100

86 8.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028547.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028547.D (-638) (-)

3.52

400000

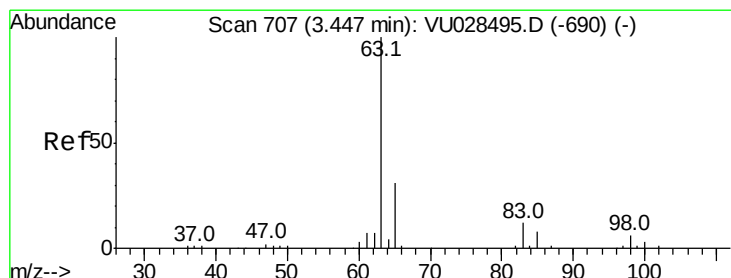
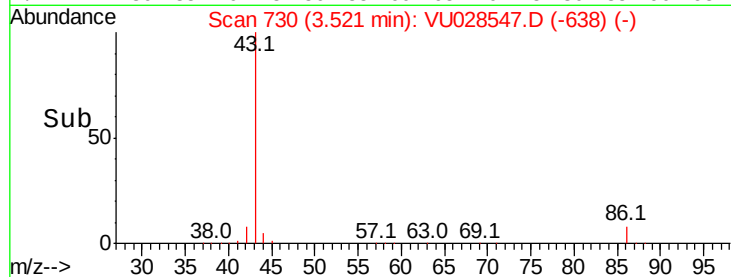
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.117 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

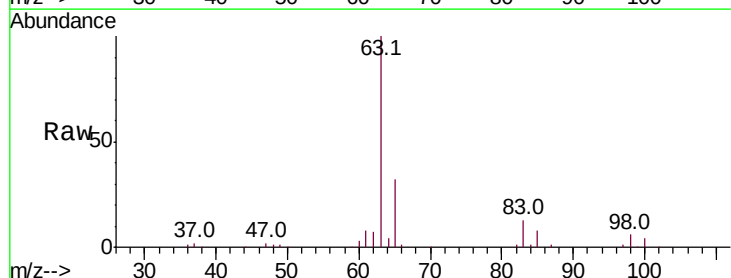
Tgt Ion: 63 Resp: 123129

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.6 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028547.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028547.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028547.D (-614) (-)

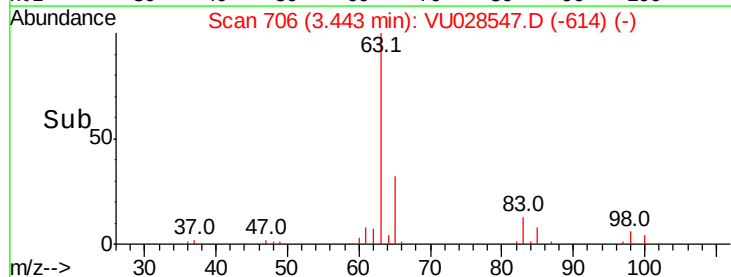
60000

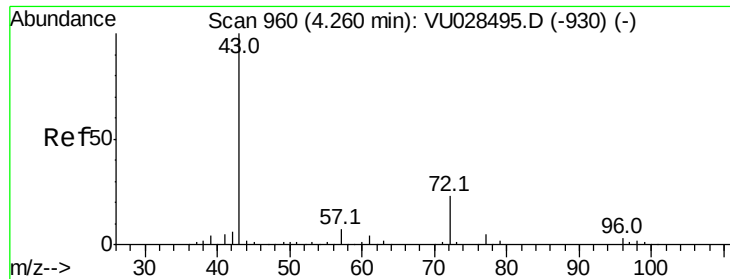
40000

20000

0

Time-->





#25

2-Butanone

Concen: 253.762 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

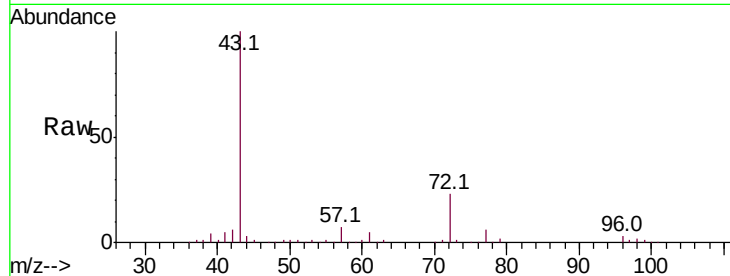
VSTDCCC050

Tot Ion: 43 Resp: 329600

Ion Ratio Lower Upper

43 100

72 22.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-930) (-)

150000

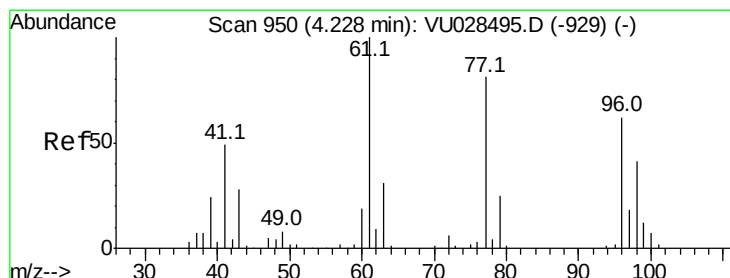
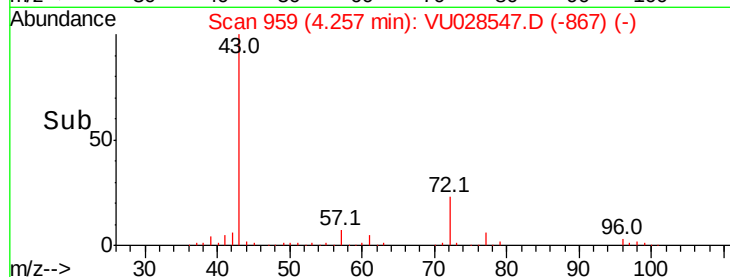
100000

50000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 48.425 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028547.D

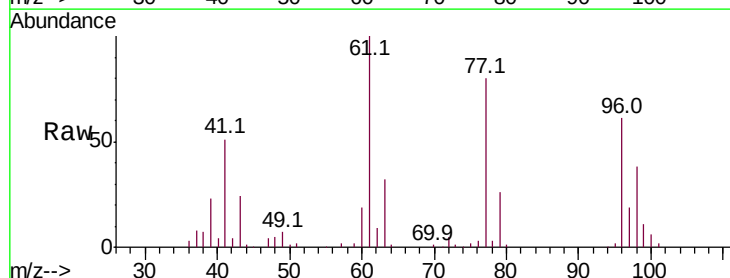
Acq: 10 Dec 2018 13:09

Tgt Ion: 77 Resp: 98186

Ion Ratio Lower Upper

77 100

97 22.4 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028495.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU028495.D (-929) (-)

40000

30000

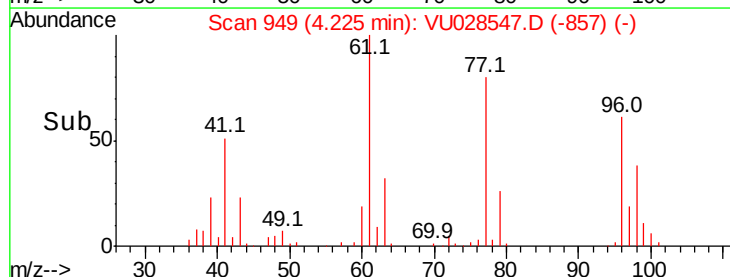
20000

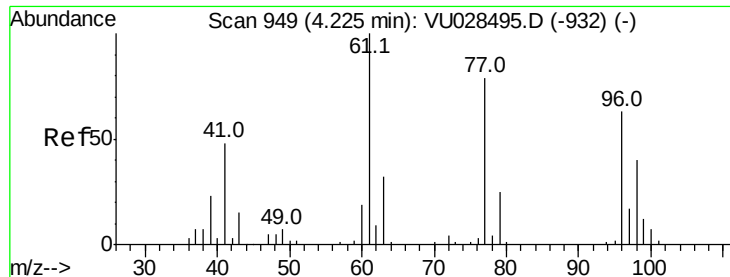
10000

0

4.10 4.20 4.30

Time-->

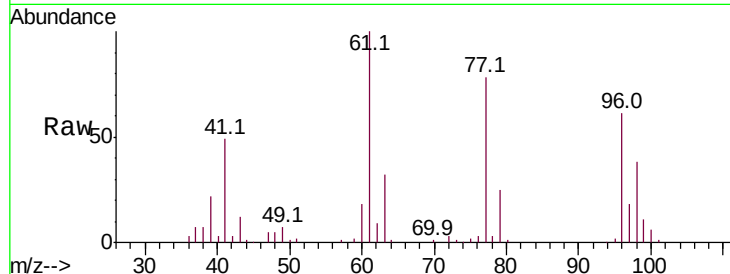




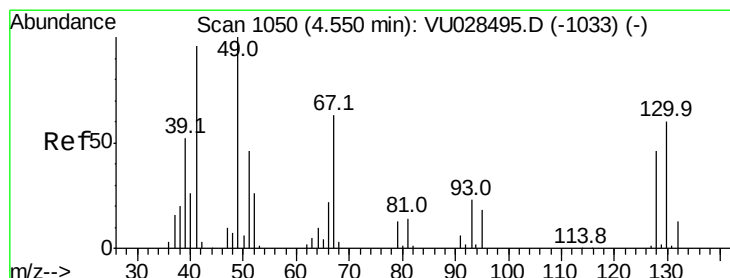
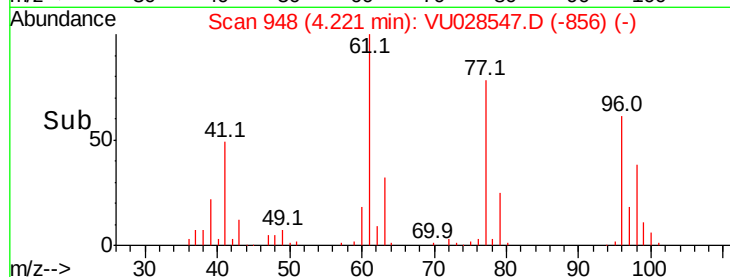
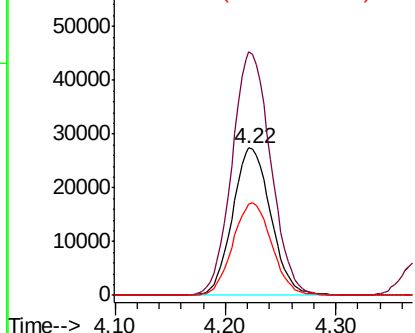
#27
 cis-1,2-Dichloroethene
 Concen: 48.669 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 65907
 Ion Ratio Lower Upper
 96 100
 61 167.8 0.0 332.4
 98 63.9 0.0 129.0

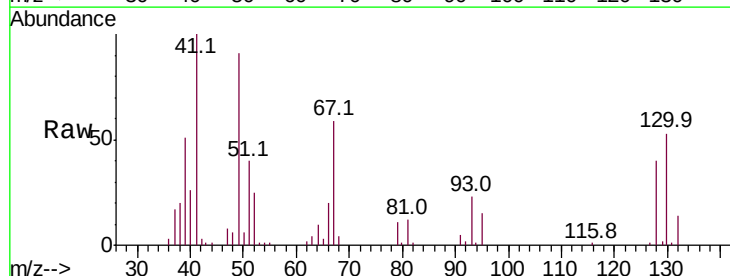


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

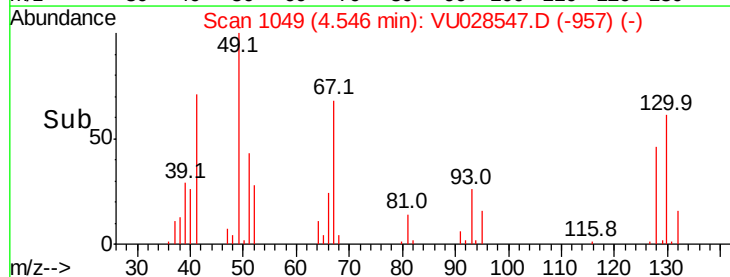
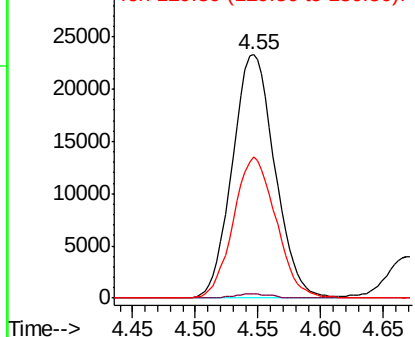


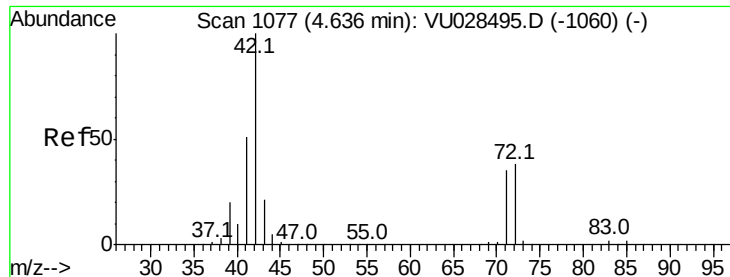
#28
 Bromochloromethane
 Concen: 47.234 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion: 49 Resp: 54947
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 3.0
 130 58.0 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: 250.079 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

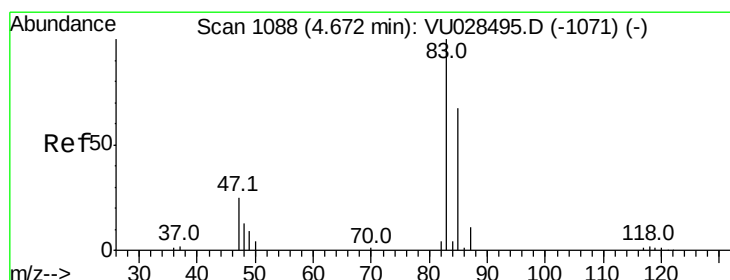
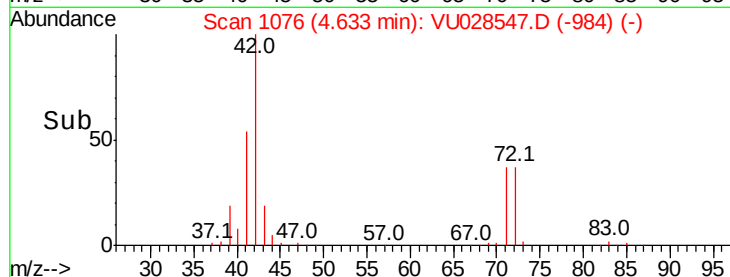
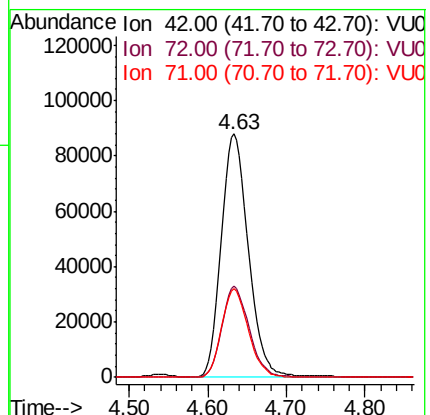
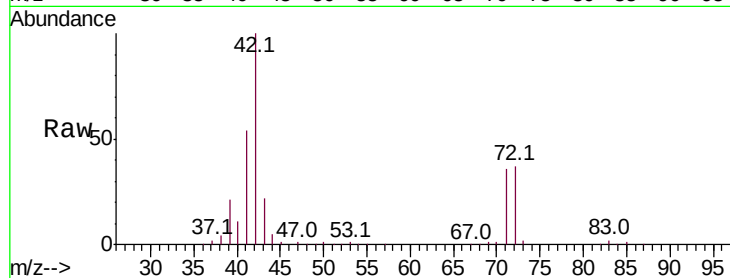
Tot Ion: 42 Resp: 208610

Ion Ratio Lower Upper

42 100

72 37.7 31.4 47.0

71 35.9 28.6 43.0



#30

Chloroform

Concen: 50.065 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028547.D

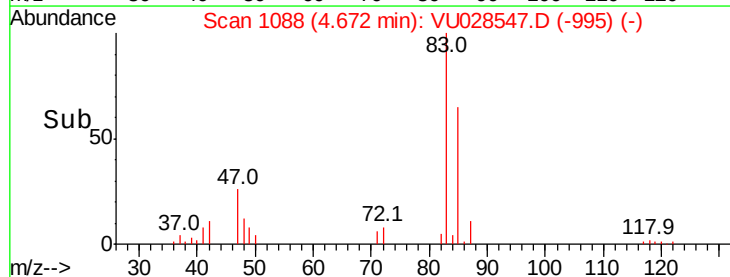
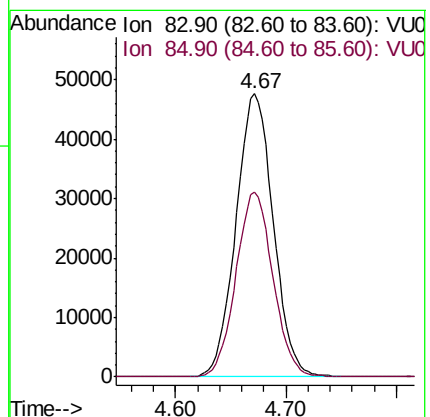
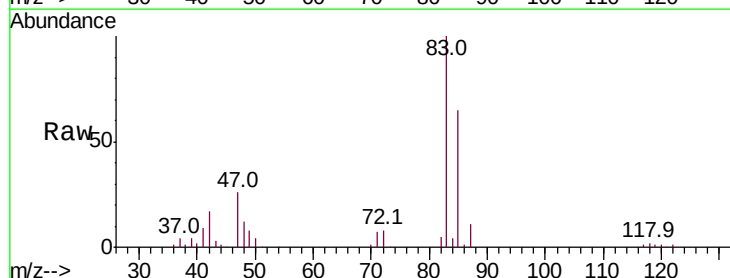
Acq: 10 Dec 2018 13:09

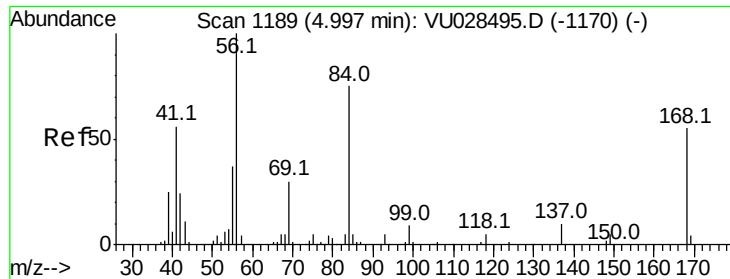
Tgt Ion: 83 Resp: 111659

Ion Ratio Lower Upper

83 100

85 65.4 53.6 80.4

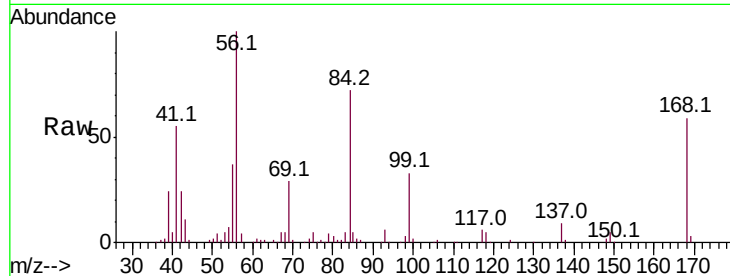




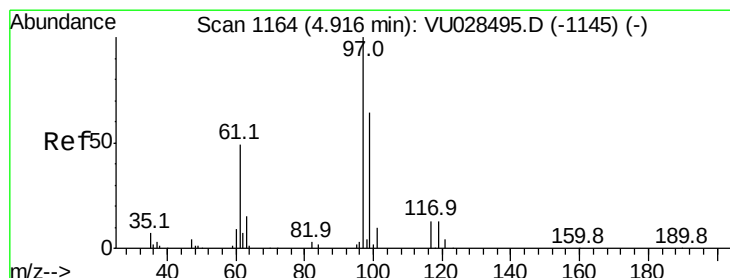
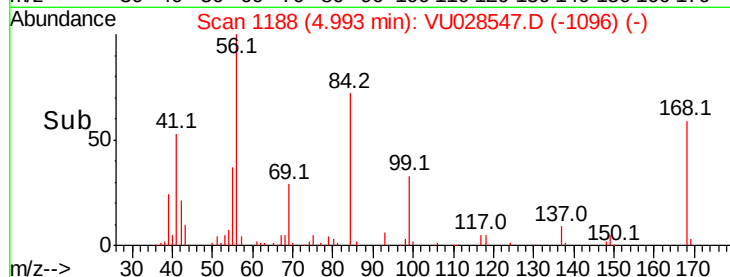
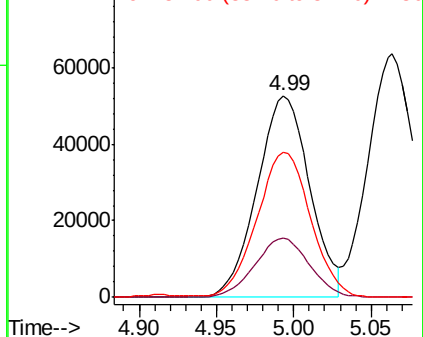
#31
Cyclohexane
Concen: 49.802 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 124375
Ion Ratio Lower Upper
56 100
69 29.4 24.0 36.0
84 71.4 59.7 89.5

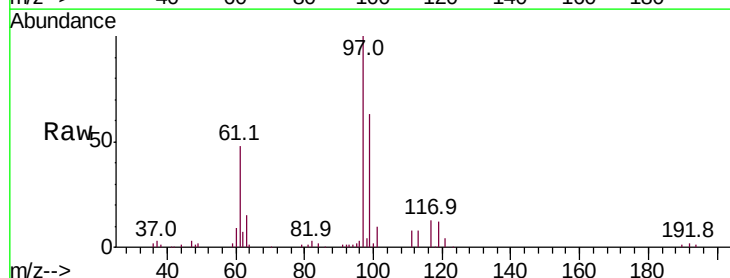


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

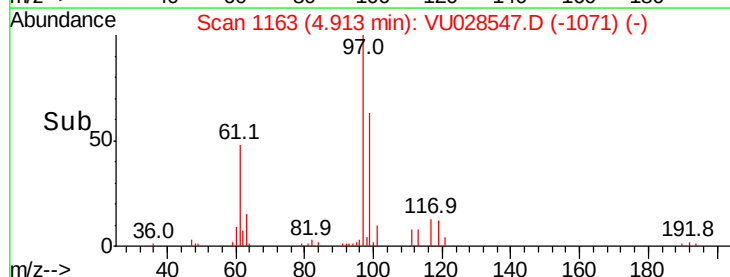
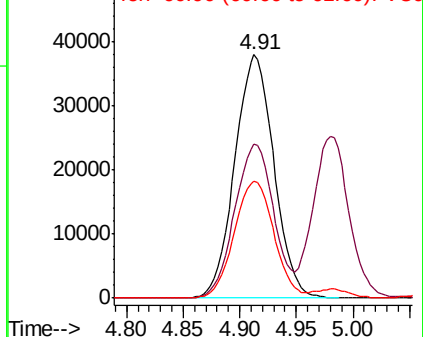


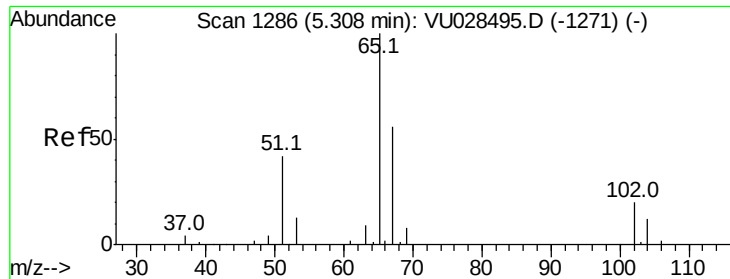
#32
1,1,1-Trichloroethane
Concen: 49.402 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 97 Resp: 91508
Ion Ratio Lower Upper
97 100
99 63.7 52.3 78.5
61 48.8 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

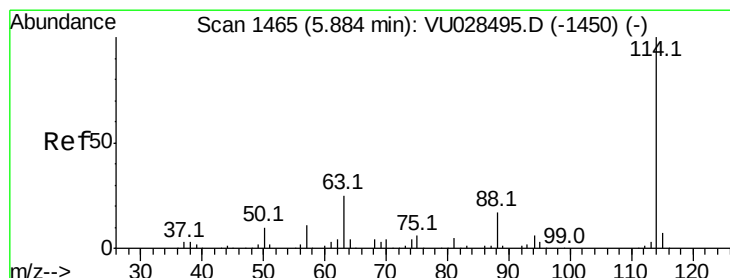
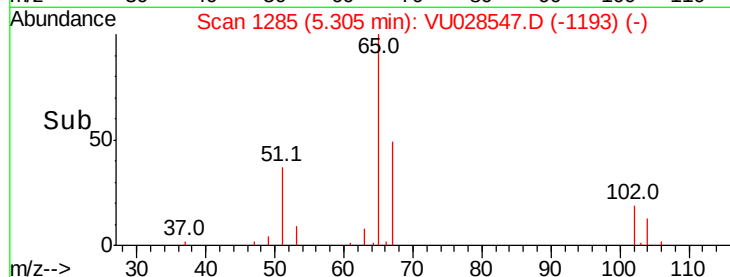
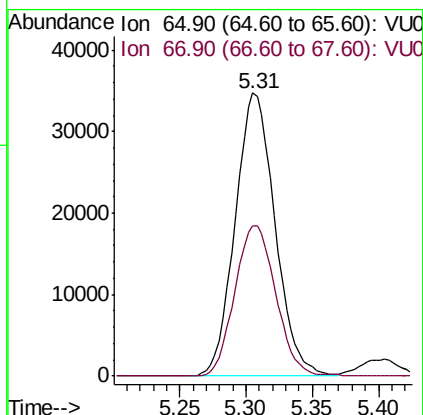
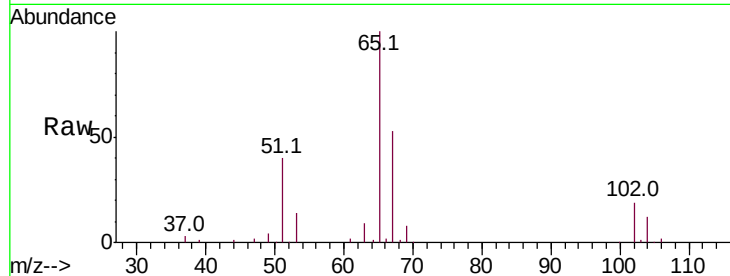




#33
 1,2-Dichloroethane-d4
 Concen: 49.914 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

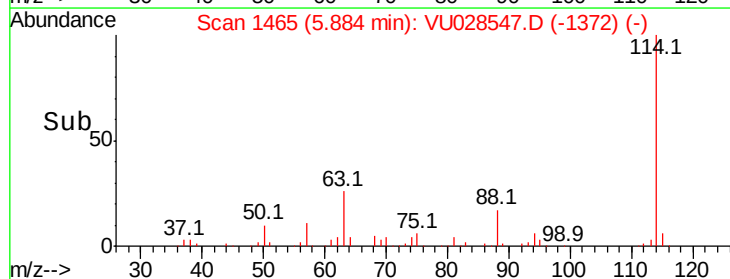
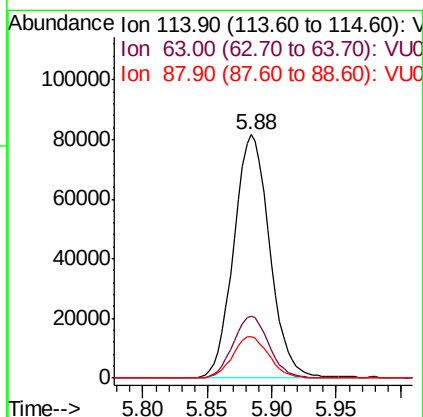
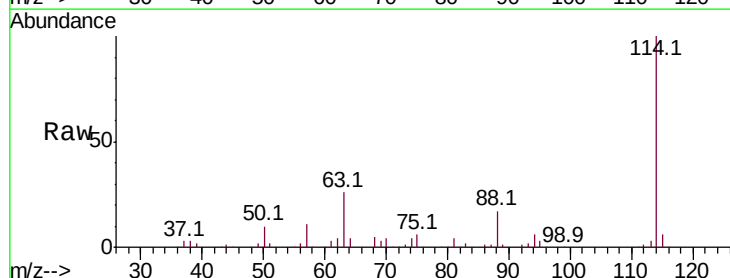
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

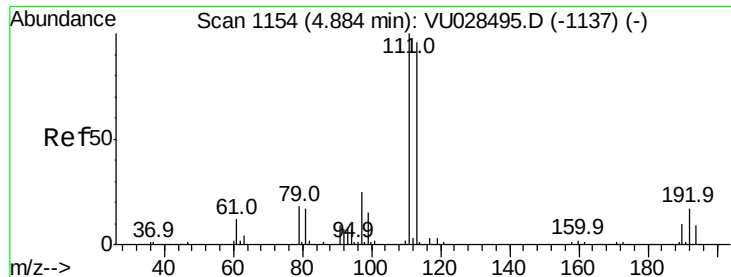
Tot Ion: 65 Resp: 72699
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion:114 Resp: 158186
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 49.2
 88 17.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.324 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

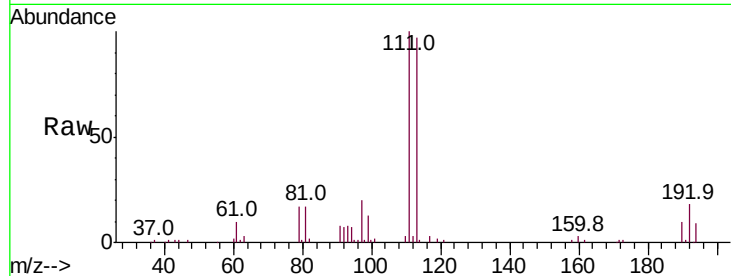
Tot Ion:113 Resp: 53083

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.0

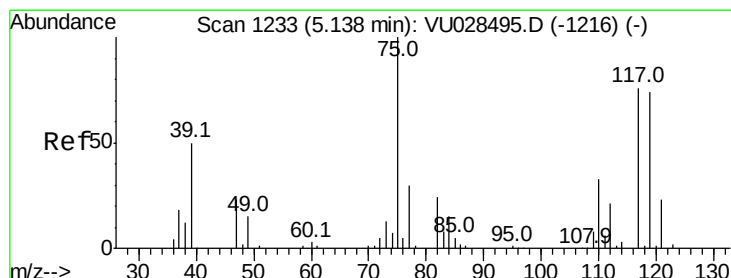
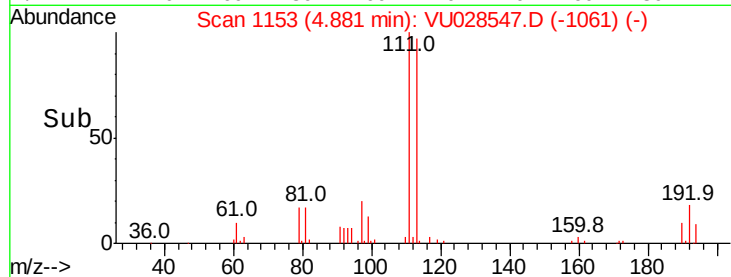
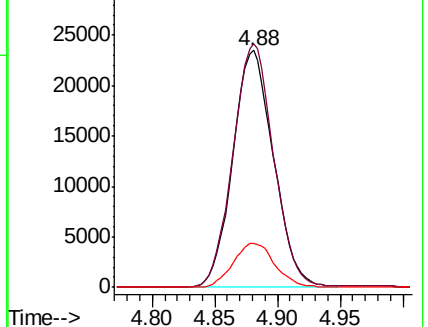
192 19.1 14.8 22.2



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: 51.361 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

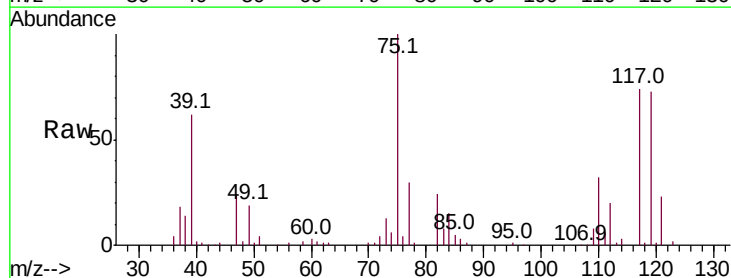
Tgt Ion: 75 Resp: 88906

Ion Ratio Lower Upper

75 100

110 33.0 16.1 48.2

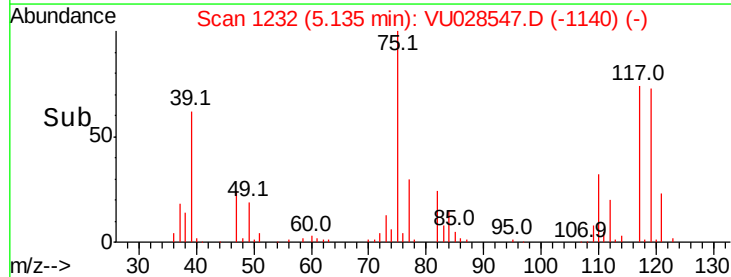
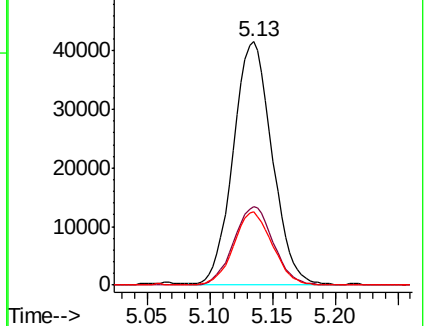
77 30.3 24.5 36.7

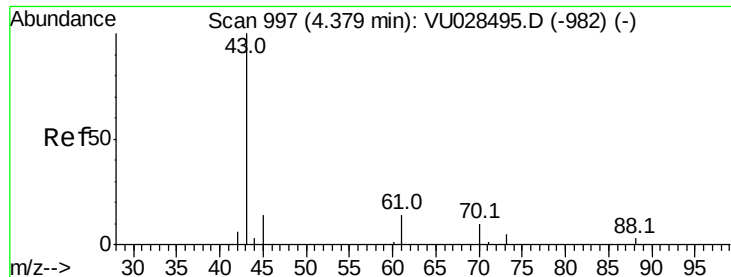


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

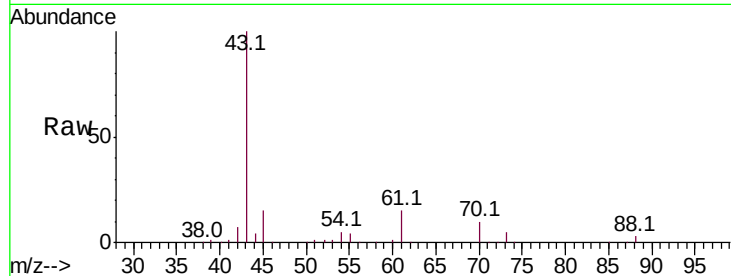




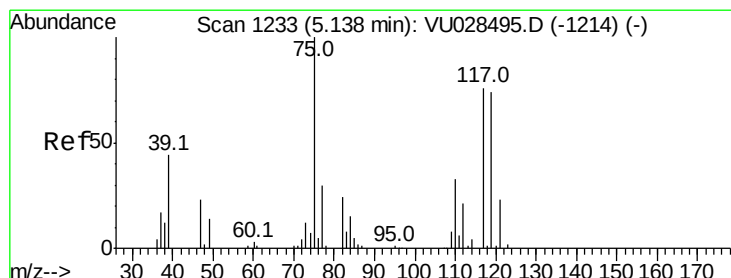
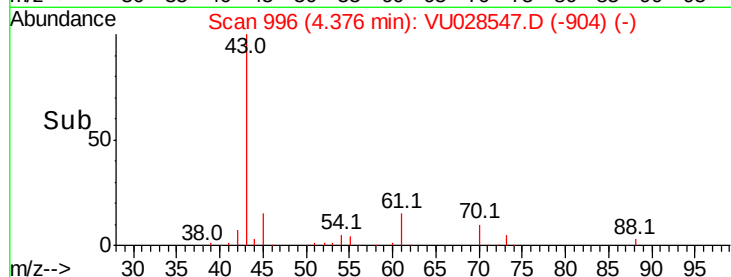
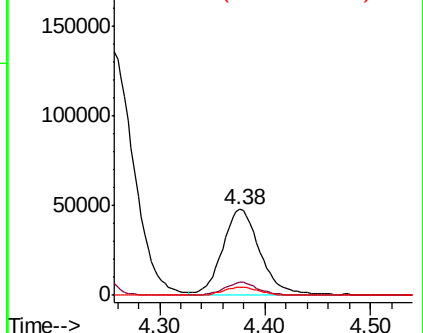
#37
Ethyl Acetate
Concen: 51.655 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 115587
Ion Ratio Lower Upper
43 100
61 14.1 11.0 16.4
70 9.3 7.4 11.0

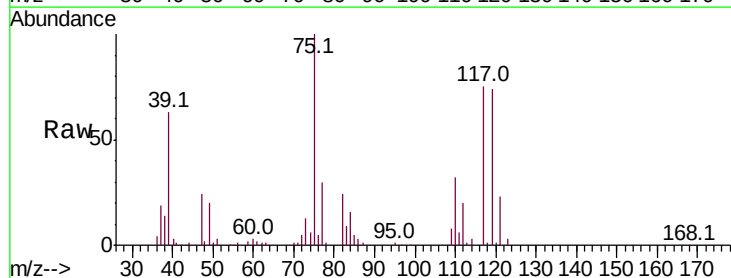


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

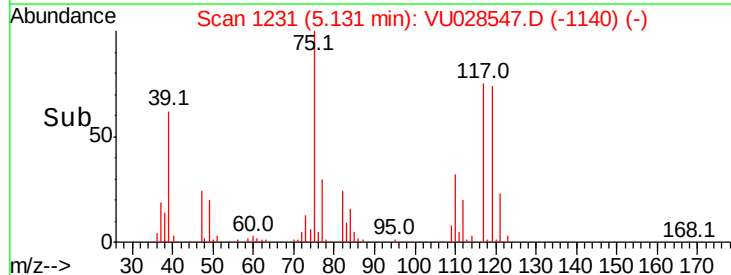
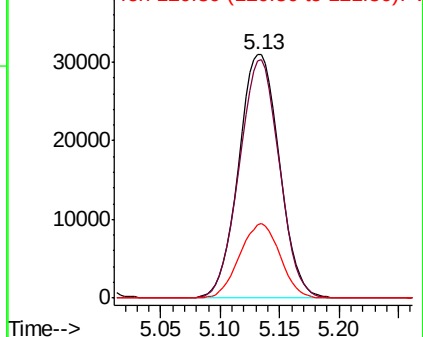


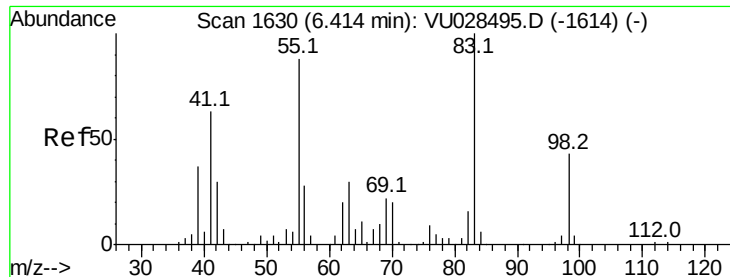
#38
Carbon Tetrachloride
Concen: 52.759 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 117 Resp: 73609
Ion Ratio Lower Upper
117 100
119 97.5 77.6 116.4
121 29.9 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

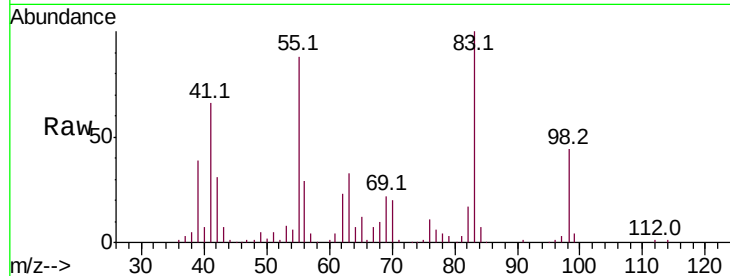




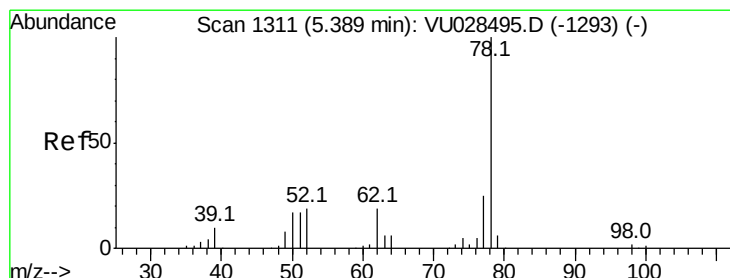
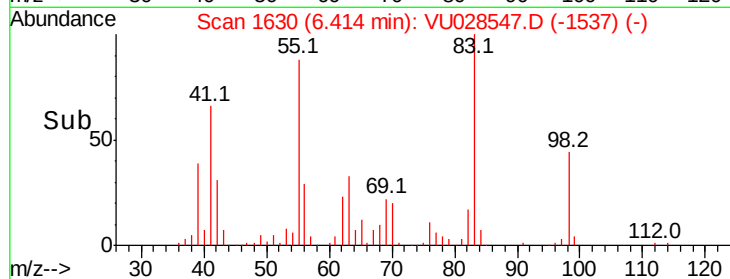
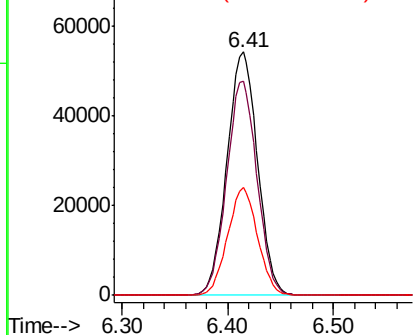
#39
Methylvlcyclohexane
Concen: 51.633 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 109039
Ion Ratio Lower Upper
83 100
55 87.9 70.2 105.2
98 44.3 34.2 51.4

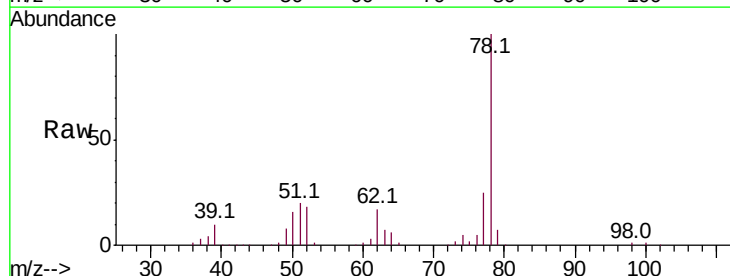


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

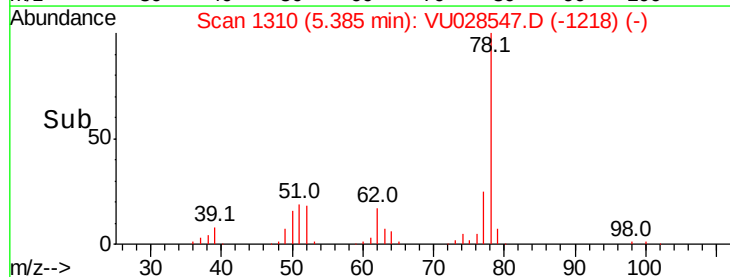
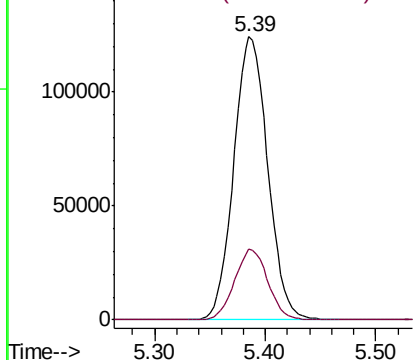


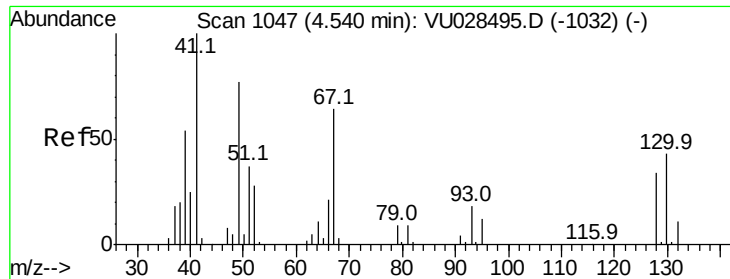
#40
Benzene
Concen: 52.005 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 78 Resp: 265130
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

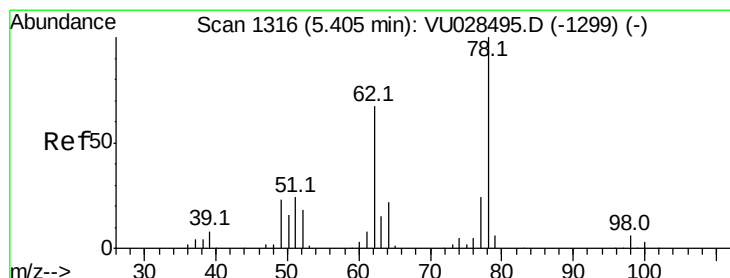
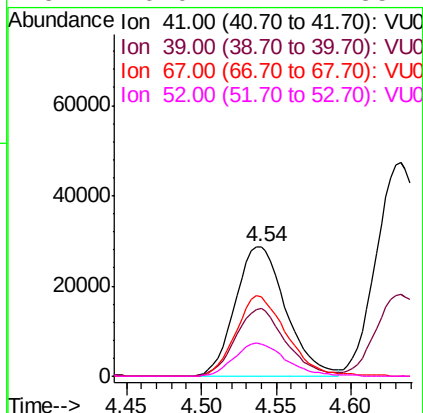
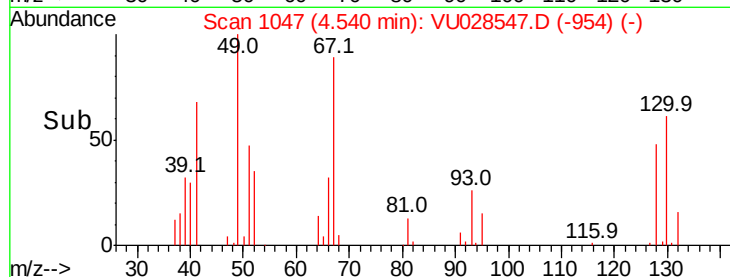
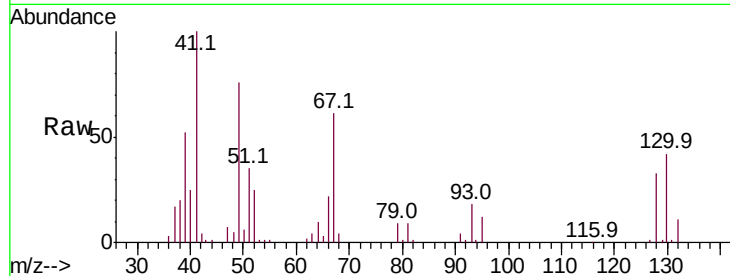




#41
Methacrylonitrile
Concen: 55.415 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

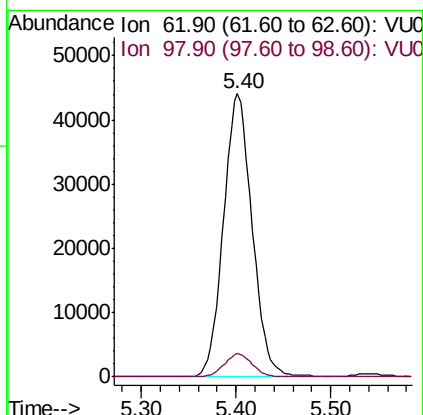
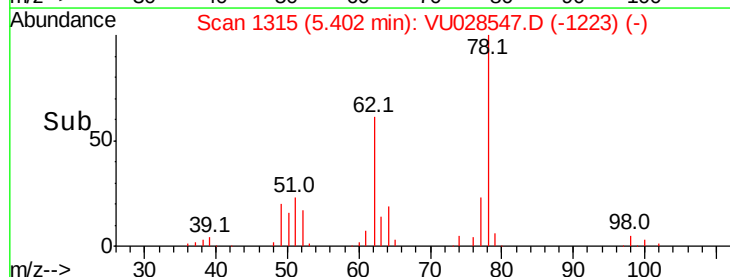
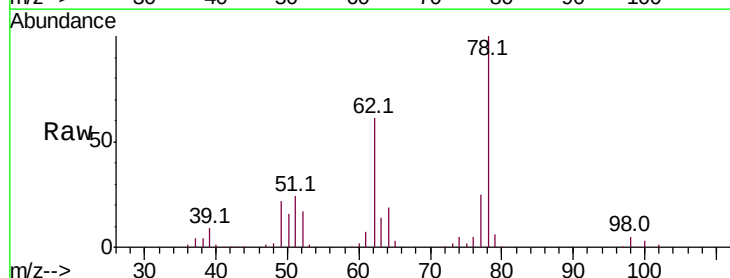
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

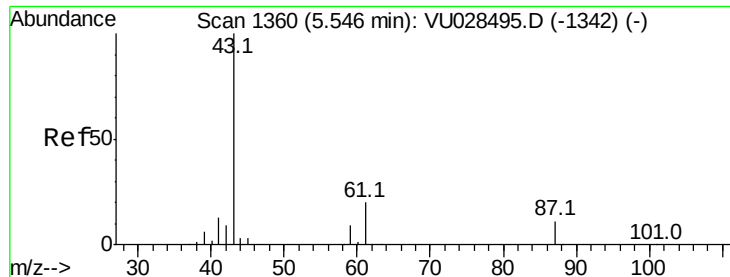
Tot Ion:	41	Resp:	67909
Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.3	64.9
67	62.1	53.6	80.4
52	26.0	22.1	33.1



#42
1,2-Dichloroethane
Concen: 51.916 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion:	62	Resp:	92647
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.2





#43

Isopropyl Acetate

Concen: 53.172 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

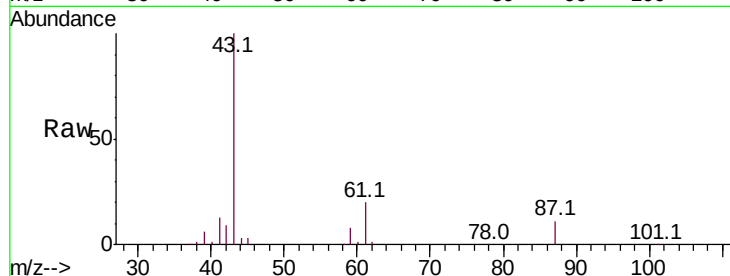
Tot Ion: 43 Resp: 188193

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.5	23.3
87	10.7	8.7	13.1

43 100

61 19.0 15.5 23.3

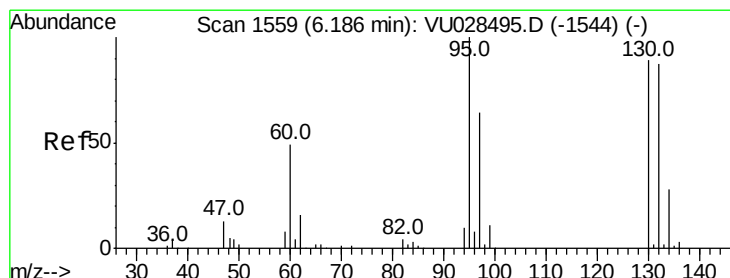
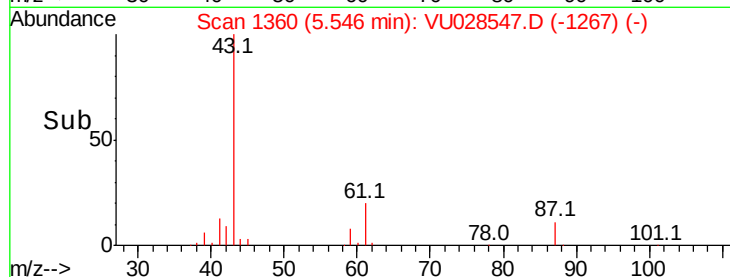
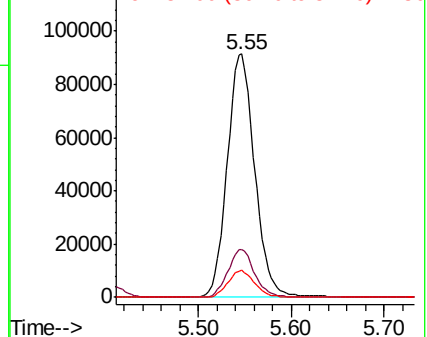
87 10.7 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 51.278 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028547.D

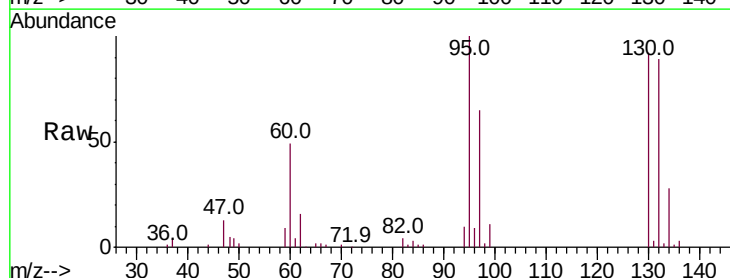
Acq: 10 Dec 2018 13:09

Tgt Ion:130 Resp: 58127

Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	224.0

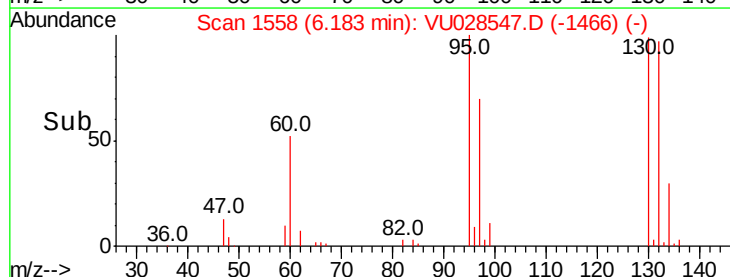
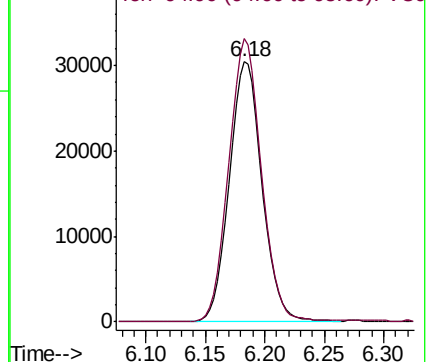
130 100

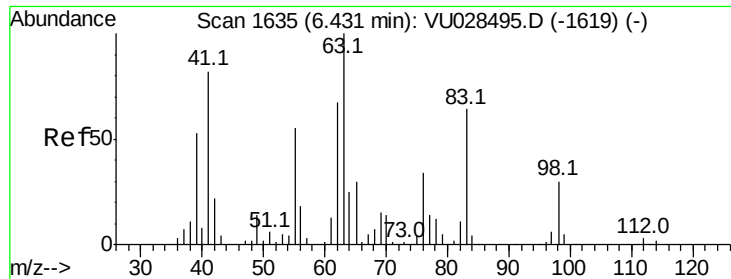
95 108.9 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

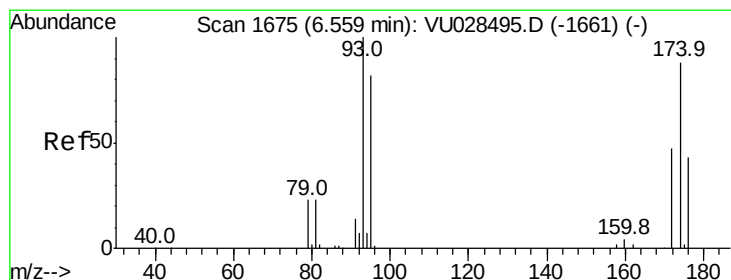
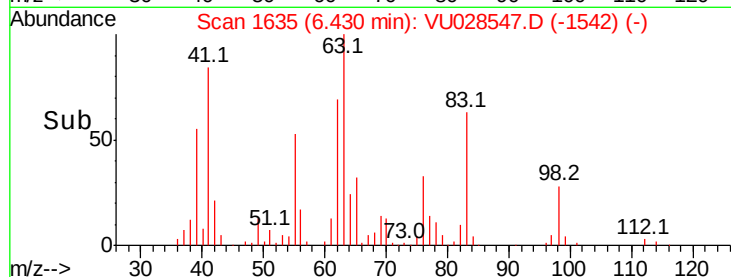
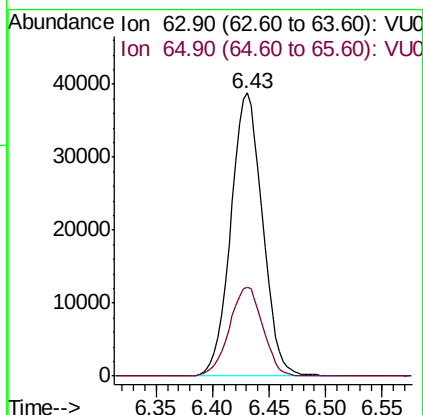
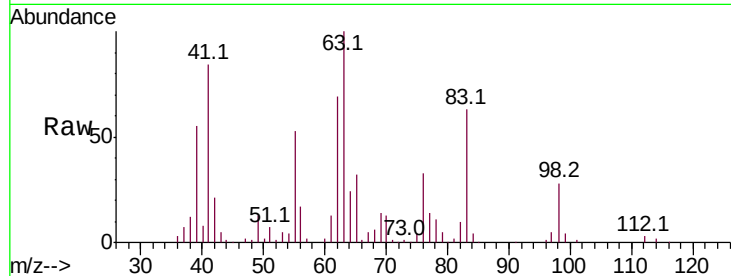




#45
 1,2-Dichloropropane
 Concen: 52.832 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

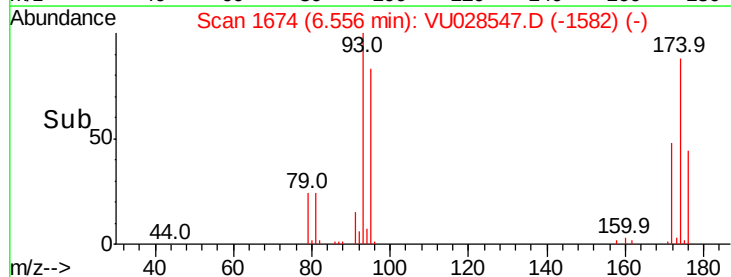
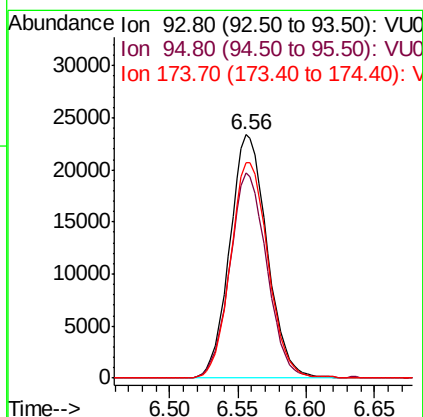
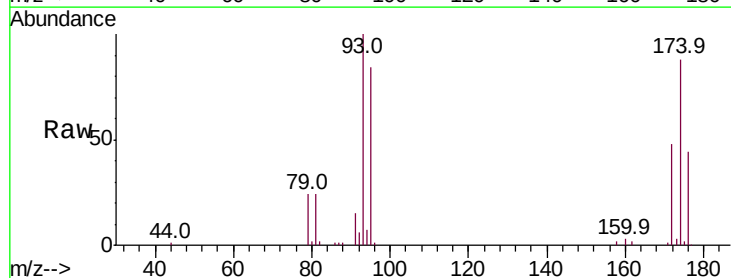
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

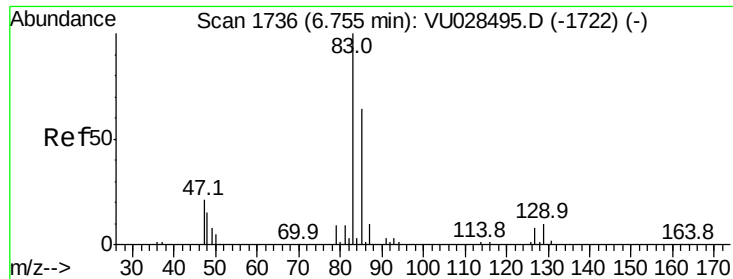
Tot Ion: 63 Resp: 75743
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.4



#46
 Dibromomethane
 Concen: 52.146 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion: 93 Resp: 44357
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.4 98.2
 174 89.1 72.2 108.4

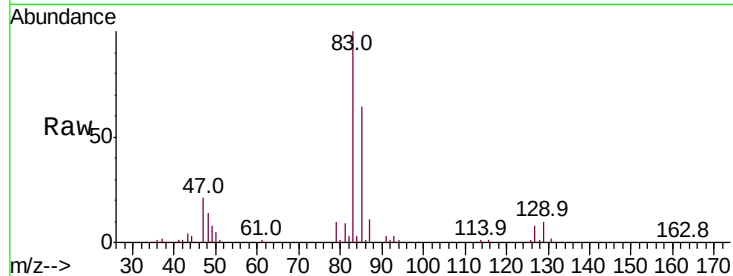




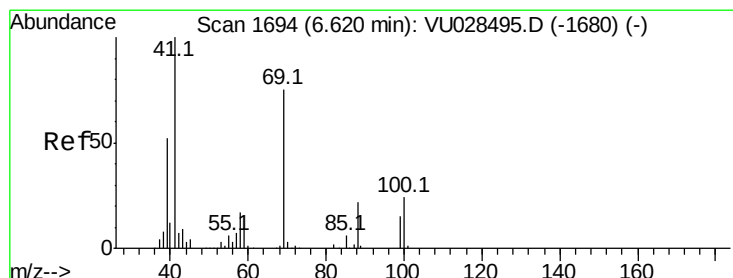
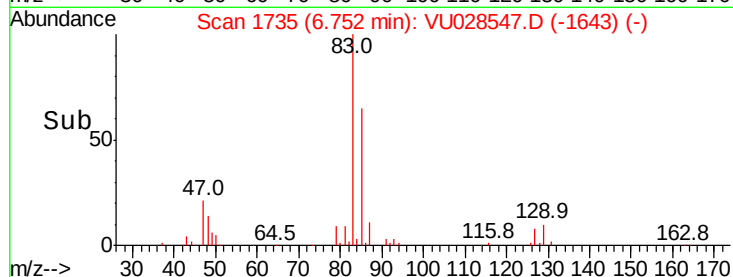
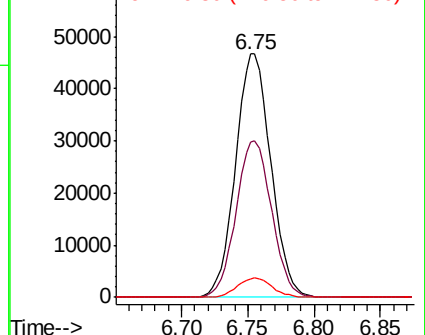
#47
Bromodichloromethane
Concen: 52.156 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 86333
Ion Ratio Lower Upper
83 100
85 64.0 51.5 77.3
127 7.8 6.2 9.4

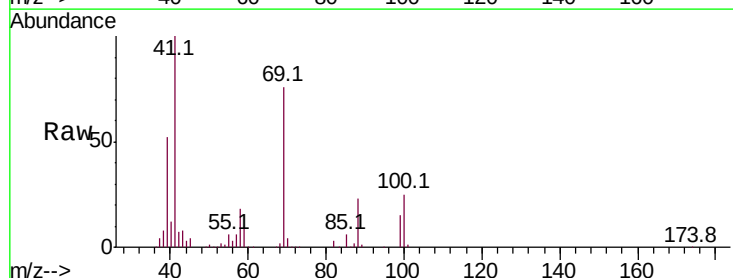


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

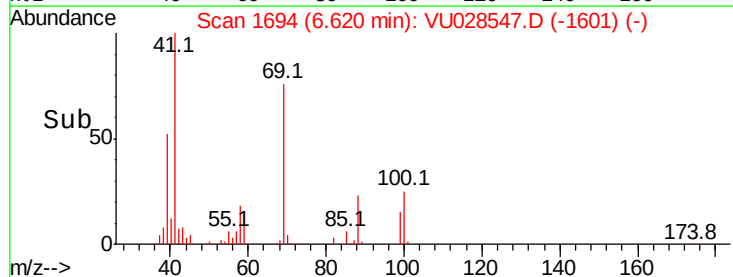
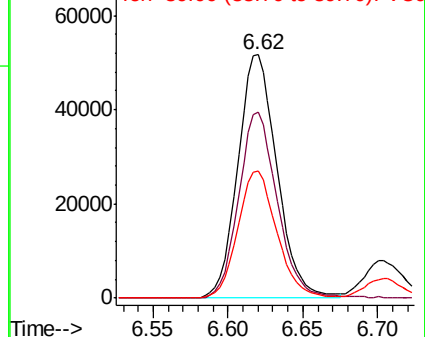


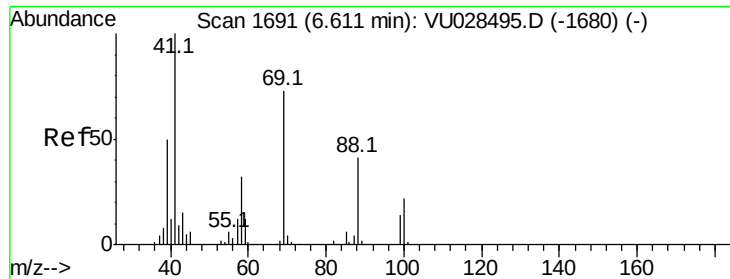
#48
Methyl methacrylate
Concen: 53.604 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 41 Resp: 94350
Ion Ratio Lower Upper
41 100
69 75.1 60.4 90.6
39 52.0 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

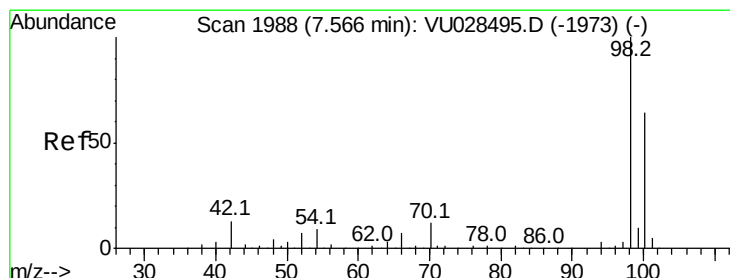
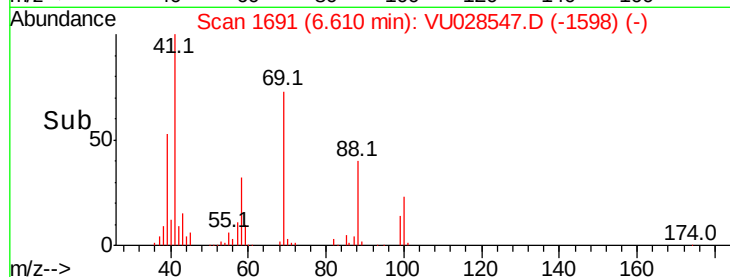
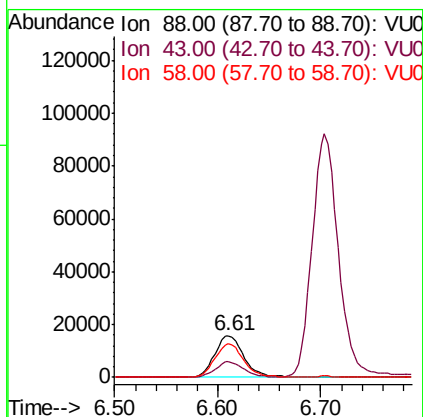
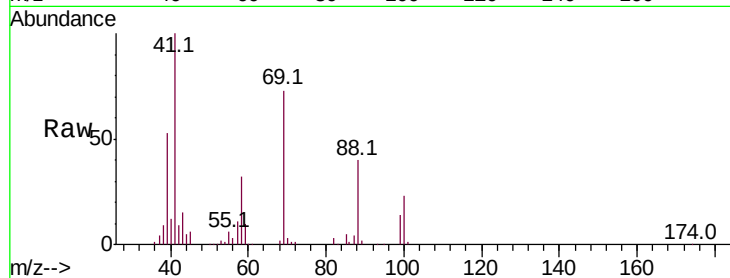




#49
1,4-Dioxane
Concen: 1125.010 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

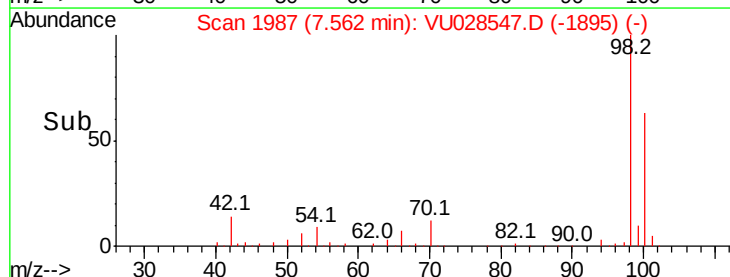
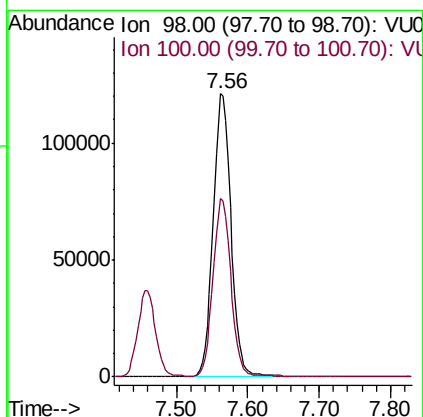
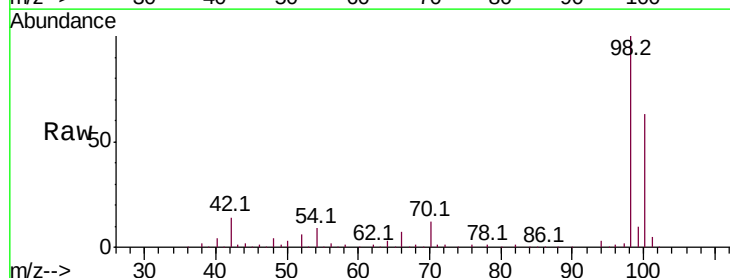
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

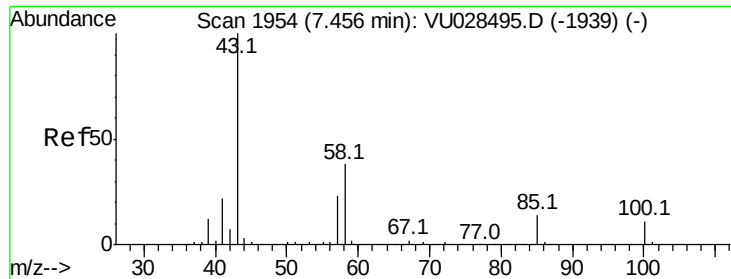
Tot Ion: 88 Resp: 31266
Ion Ratio Lower Upper
88 100
43 37.0 30.9 46.3
58 79.7 62.4 93.6



#50
Toluene-d8
Concen: 53.637 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 98 Resp: 211217
Ion Ratio Lower Upper
98 100
100 62.7 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 261.346 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

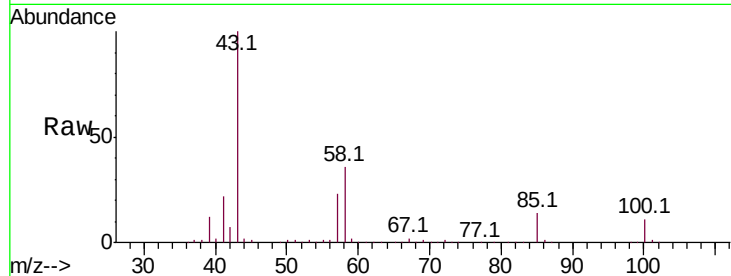
VSTDCCC050

Tot Ion: 43 Resp: 583403

Ion Ratio Lower Upper

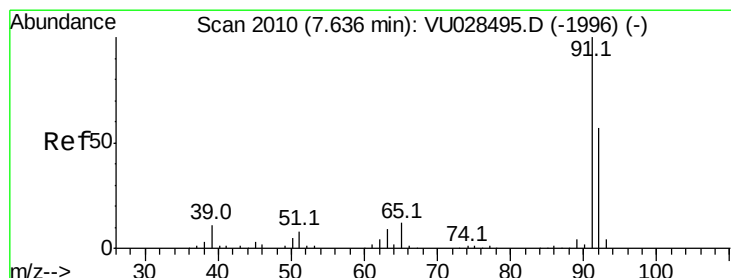
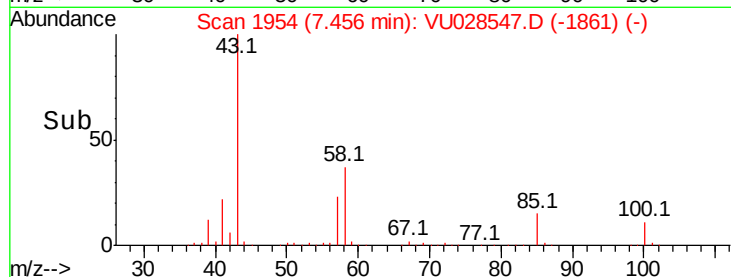
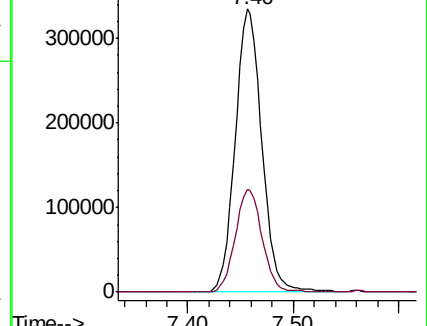
43 100

58 36.7 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: 51.589 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028547.D

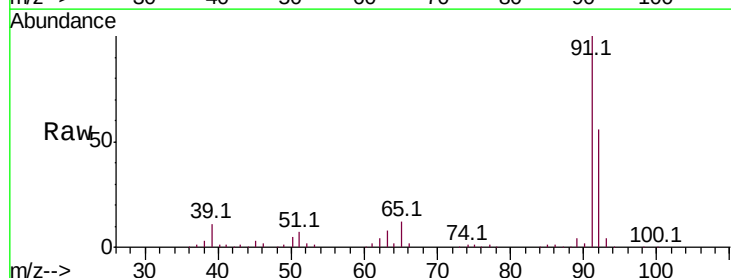
Acq: 10 Dec 2018 13:09

Tgt Ion: 92 Resp: 154787

Ion Ratio Lower Upper

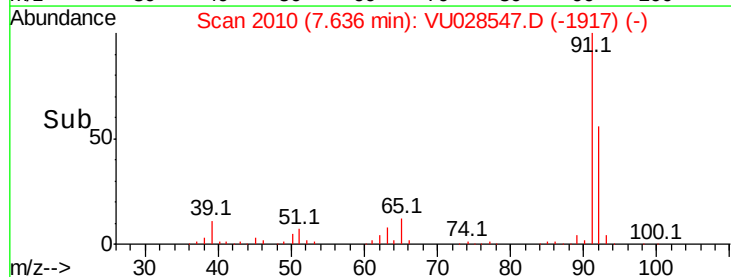
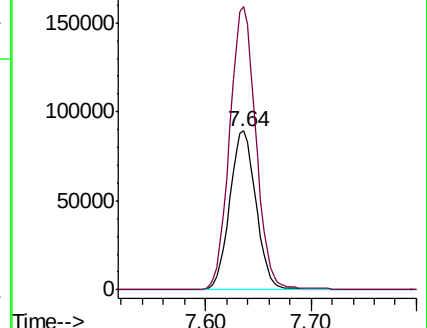
92 100

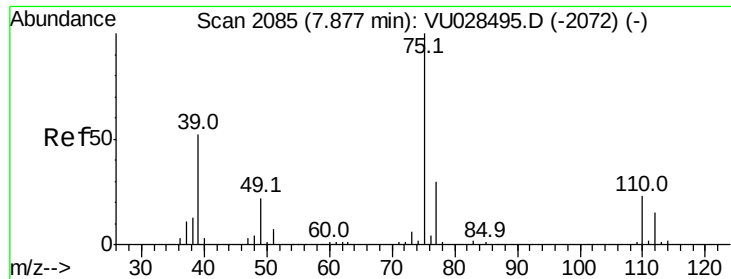
91 177.8 140.2 210.4



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: 53.585 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

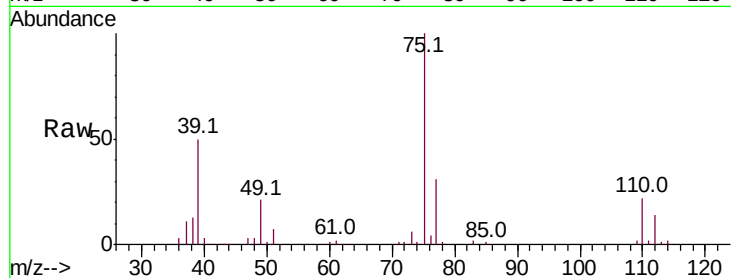
VSTDCCC050

Tot Ion: 75 Resp: 105638

Ion Ratio Lower Upper

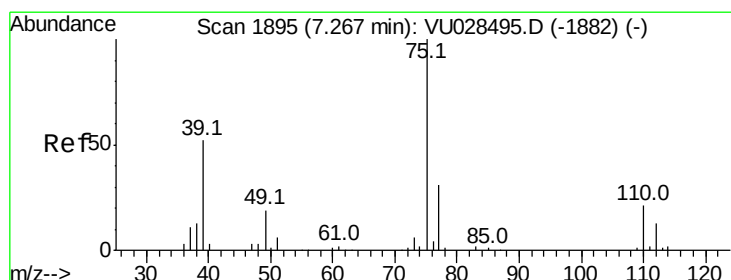
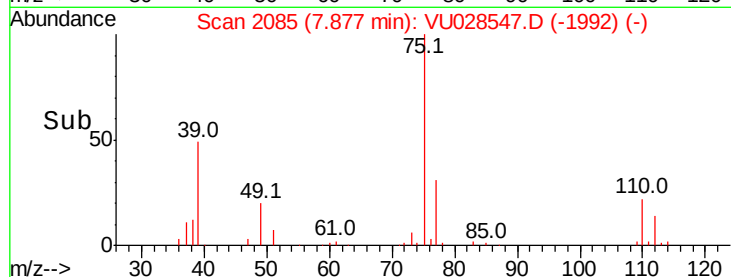
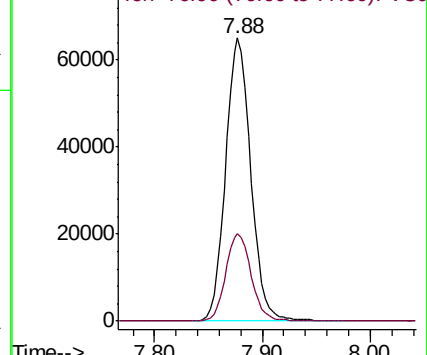
75 100

77 31.0 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 52.912 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

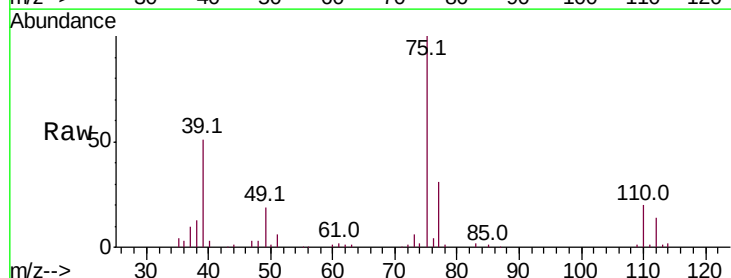
Tgt Ion: 75 Resp: 113171

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

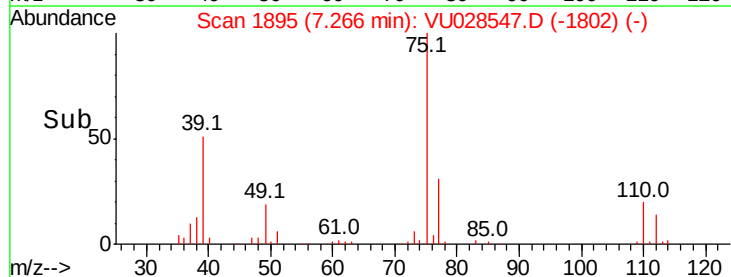
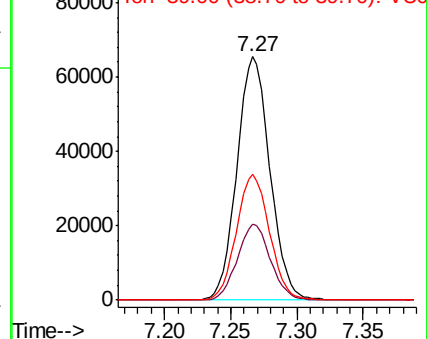
39 51.5 41.3 61.9

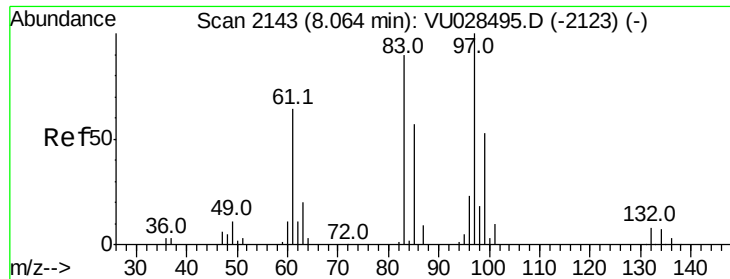


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

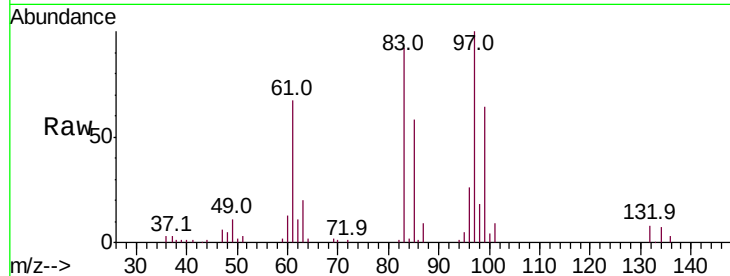




#55
 1,1,2-Trichloroethane
 Concen: 51.862 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	61510
Ion	Ratio	Lower	Upper
97	100		
83	92.3	72.4	108.6
85	58.0	46.0	69.0
99	63.8	47.4	71.2



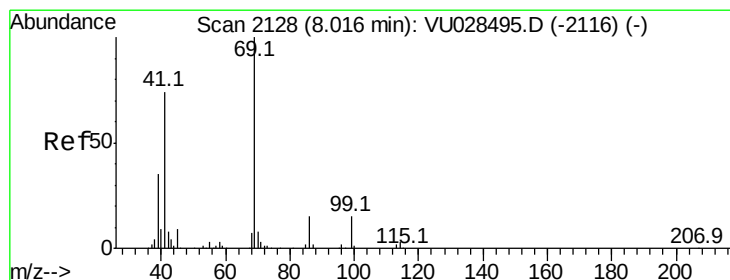
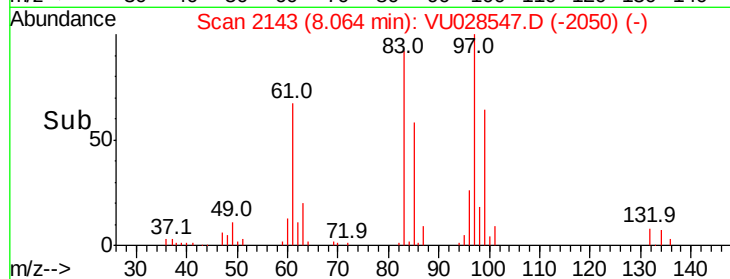
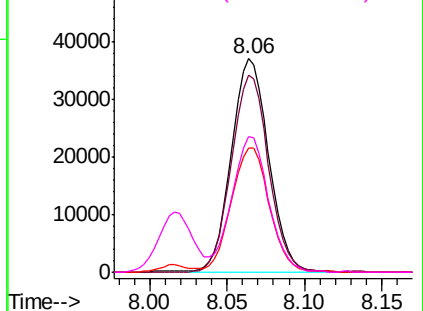
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

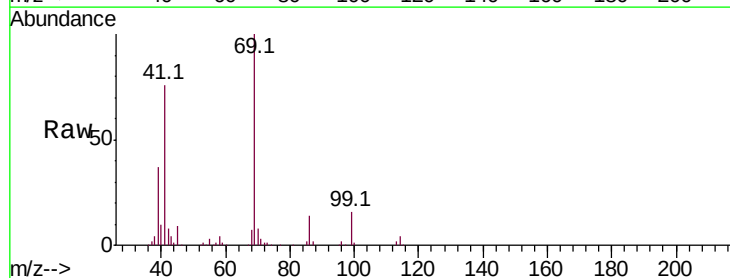
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 52.298 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion:	69	Resp:	106218
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.1	88.7
39	37.0	28.4	42.6

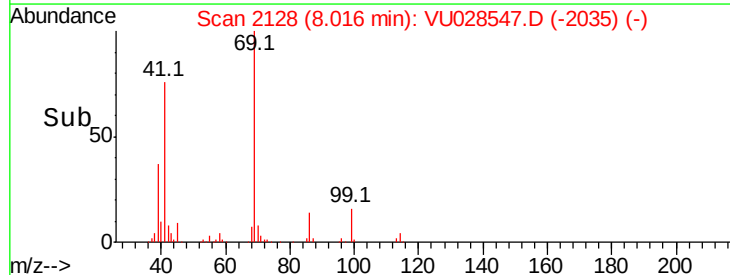
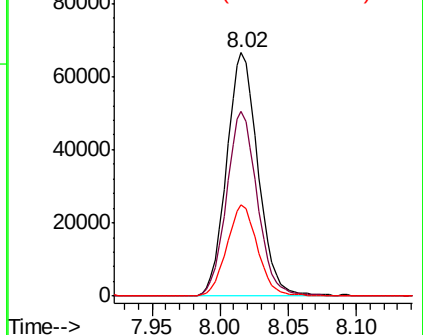


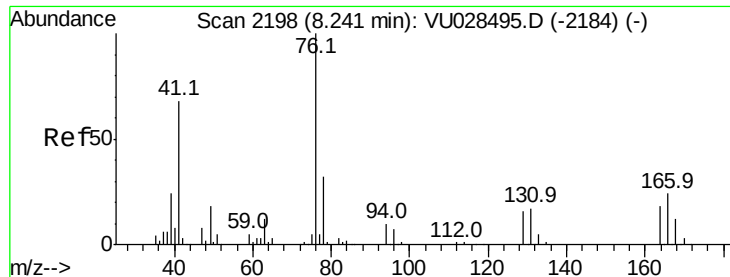
Abundance

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: 52.390 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

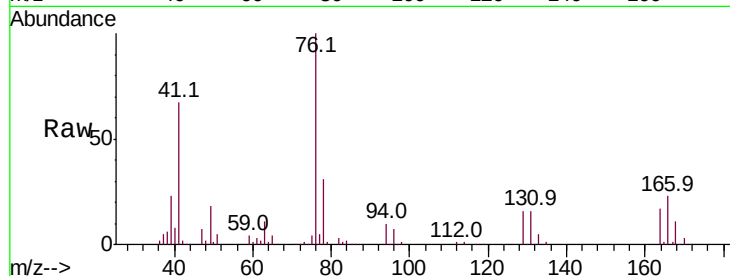
VSTDCCC050

Tot Ion: 76 Resp: 115343

Ion Ratio Lower Upper

76 100

78 31.0 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-2184) (-)

Ion 77.90 (77.60 to 78.60): VU028495.D (-2184) (-)

8.24

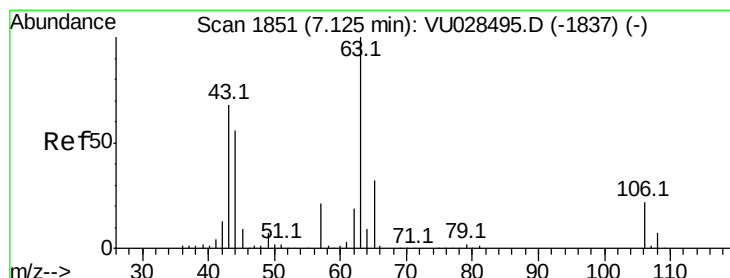
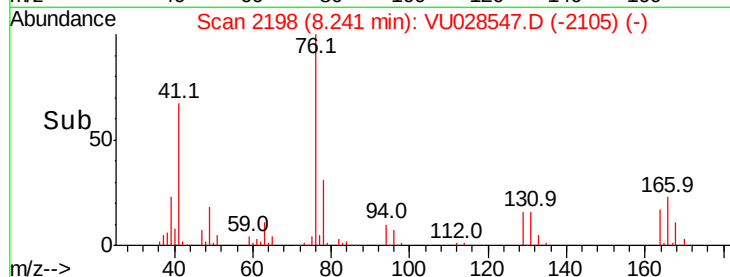
60000

40000

20000

0

Time--> 8.15 8.20 8.25 8.30 8.35



#58

2-Chloroethyl Vinyl ether

Concen: 268.485 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028547.D

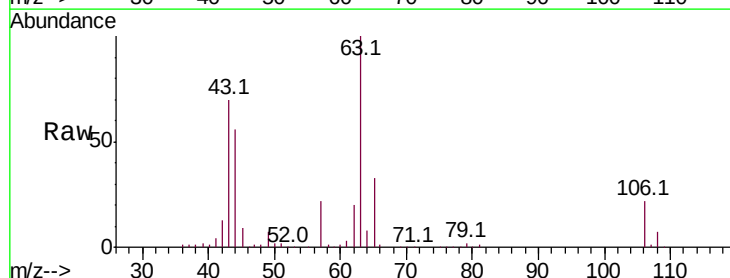
Acq: 10 Dec 2018 13:09

Tgt Ion: 63 Resp: 279304

Ion Ratio Lower Upper

63 100

106 22.2 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-1837) (-)

Ion 105.90 (105.60 to 106.60): VU028495.D (-1837) (-)

7.12

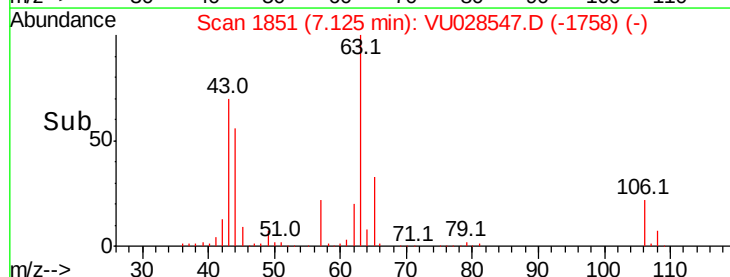
150000

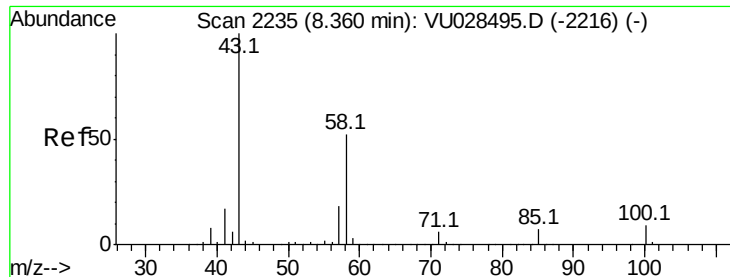
100000

50000

0

Time--> 7.10 7.20

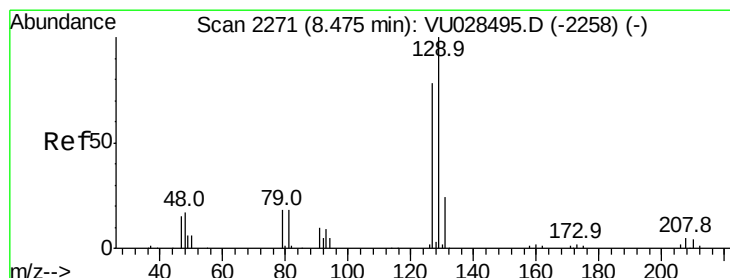
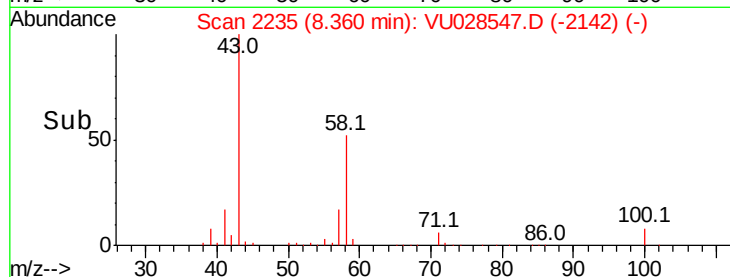
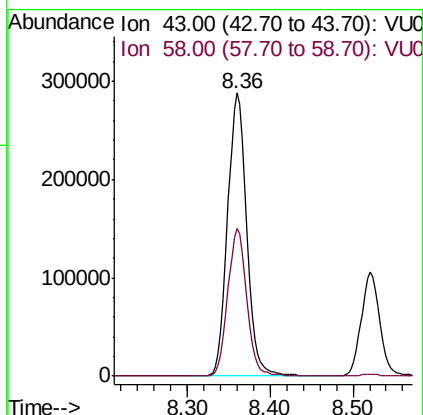
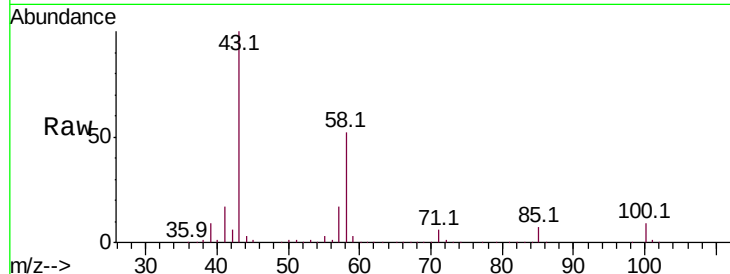




#59
2-Hexanone
Concen: 261.019 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

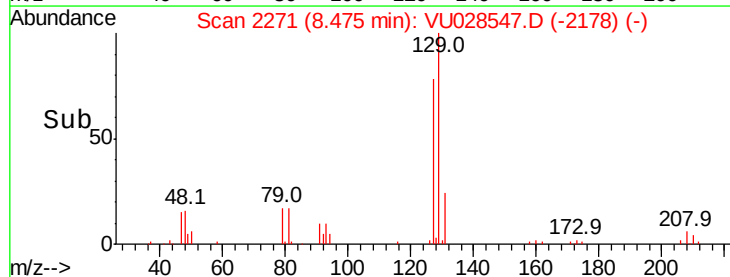
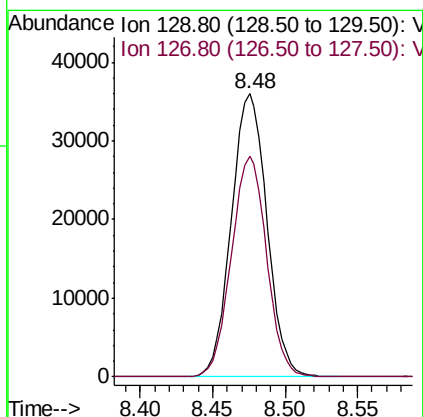
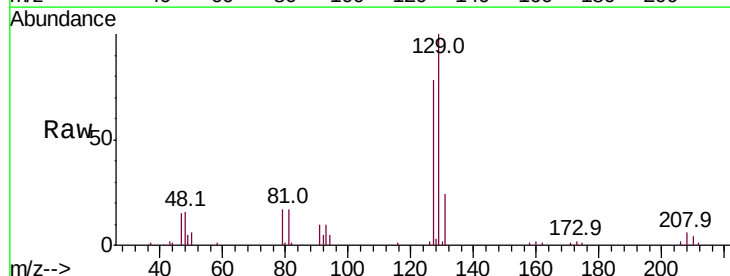
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

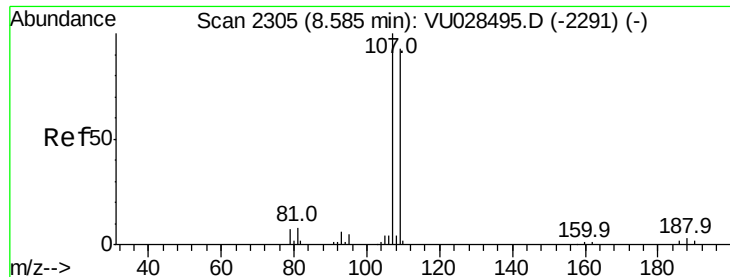
Tot Ion: 43 Resp: 461831
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6



#60
Dibromochloromethane
Concen: 52.931 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 129 Resp: 61463
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.146 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

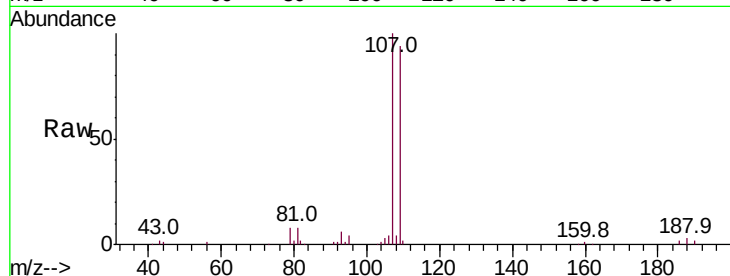
VSTDCCC050

Tot Ion:107 Resp: 66100

Ion Ratio Lower Upper

107 100

109 93.7 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

40000

30000

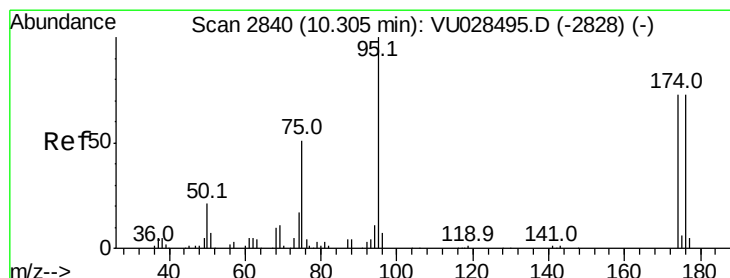
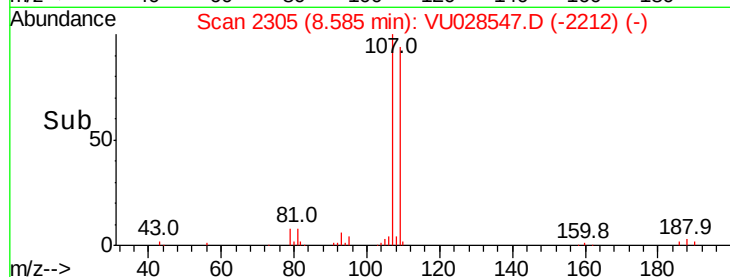
20000

10000

0

Time-->

8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 52.994 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

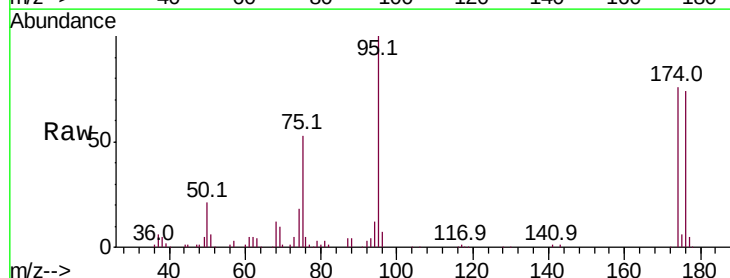
Tgt Ion: 95 Resp: 77999

Ion Ratio Lower Upper

95 100

174 77.6 0.0 150.4

176 75.3 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

60000

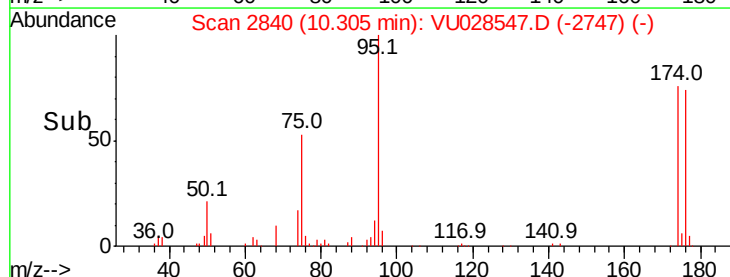
40000

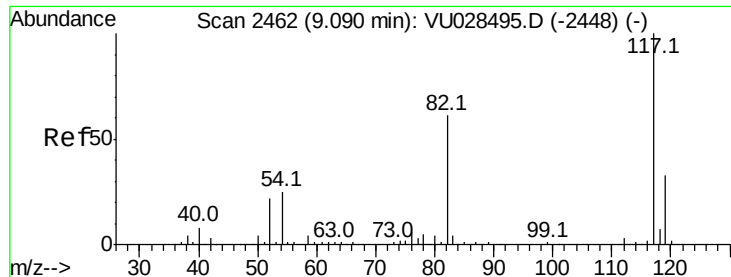
20000

0

Time-->

10.30 10.40

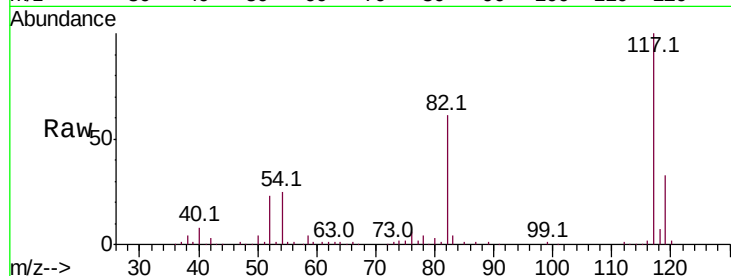




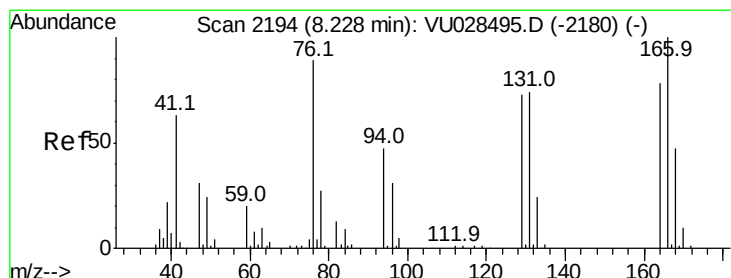
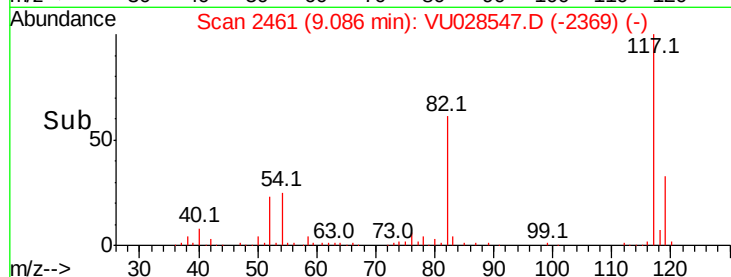
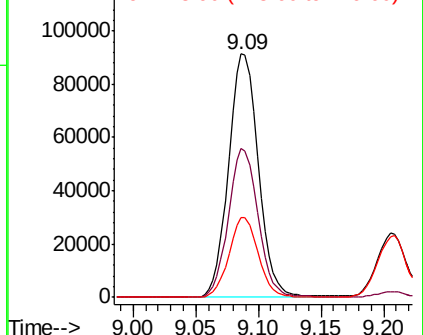
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 151577
Ion Ratio Lower Upper
117 100
82 61.3 48.9 73.3
119 32.7 26.2 39.4

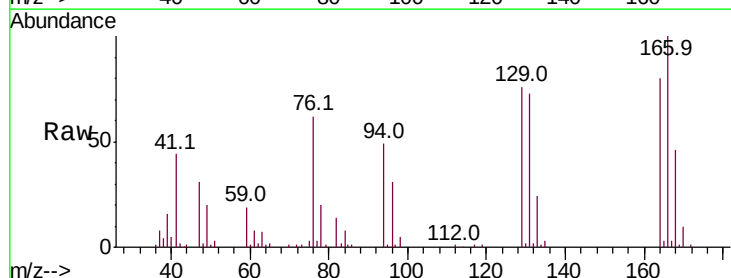


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

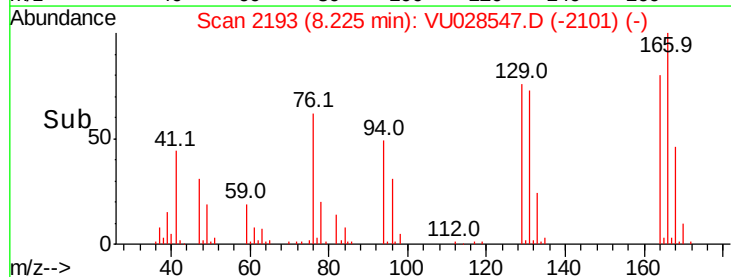
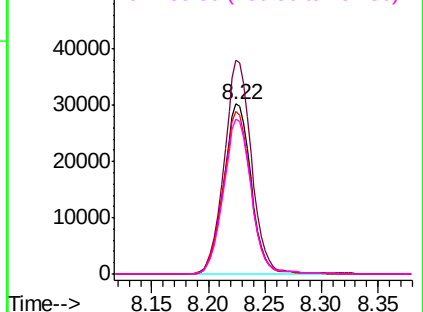


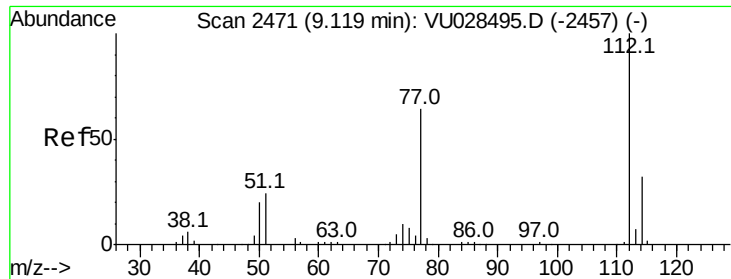
#64
Tetrachloroethene
Concen: 50.454 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion:164 Resp: 51012
Ion Ratio Lower Upper
164 100
166 125.7 101.9 152.9
129 96.0 74.9 112.3
131 91.3 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

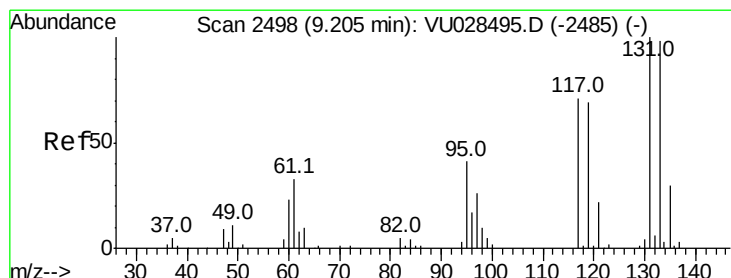
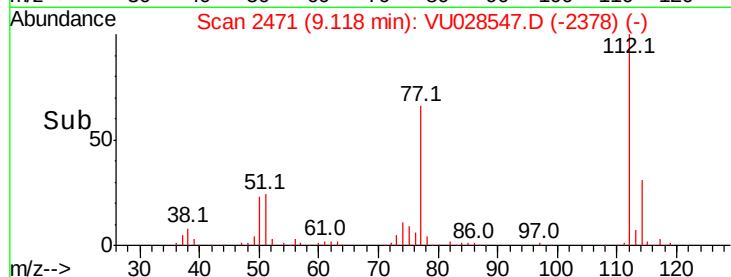
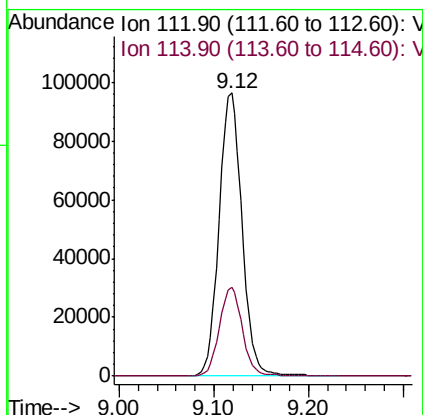
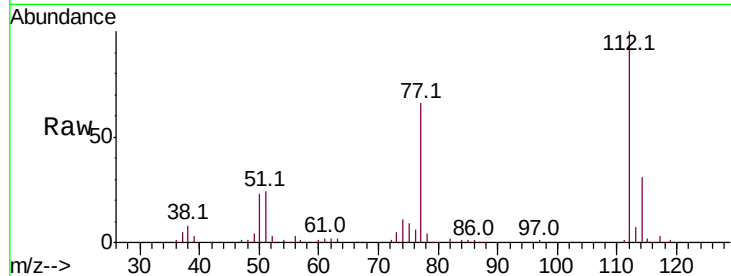




#65
Chlorobenzene
Concen: 50.371 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

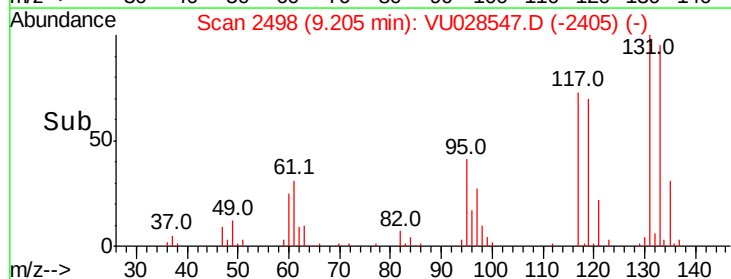
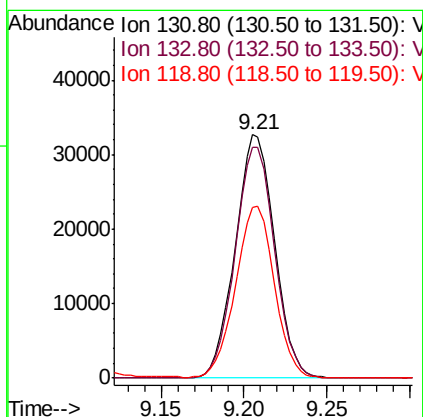
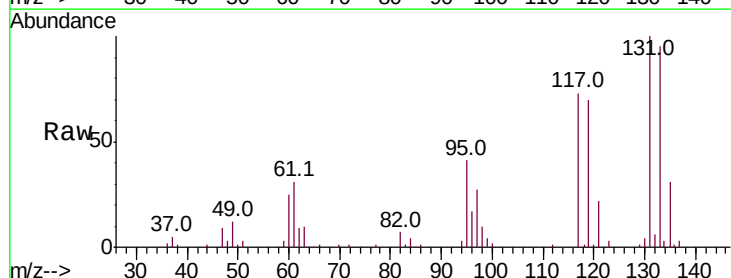
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

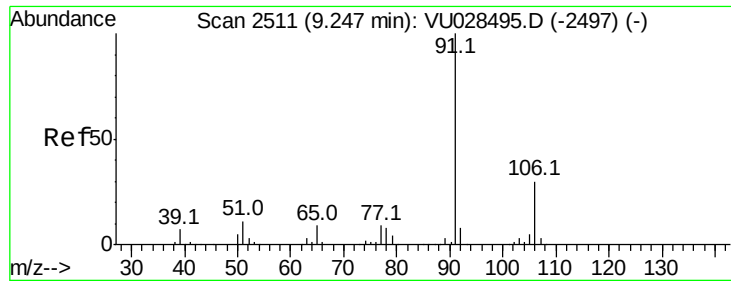
Tot Ion:112 Resp: 162696
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.251 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion:131 Resp: 53893
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 69.8 34.6 103.9





#67

Ethyl Benzene

Concen: 50.691 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

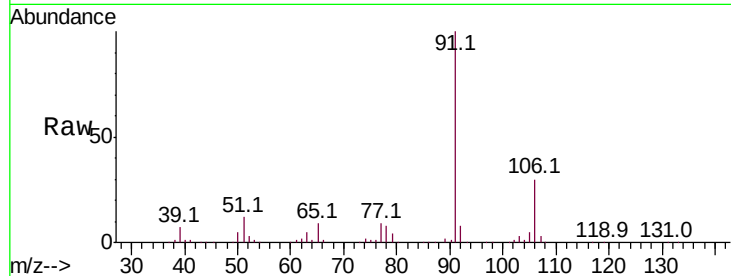
VSTDCCC050

Tot Ion: 91 Resp: 300987

Ion Ratio Lower Upper

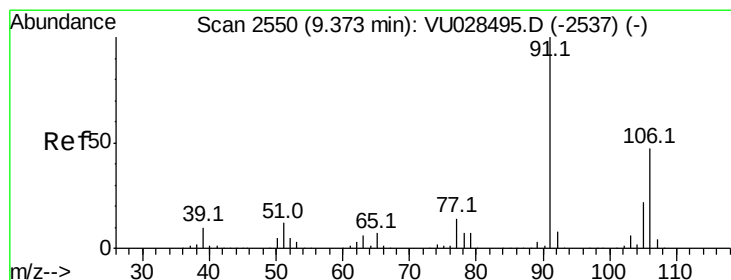
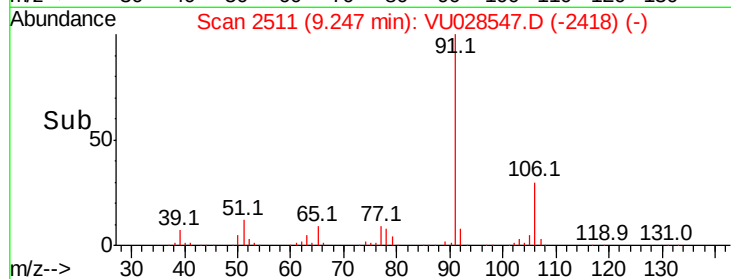
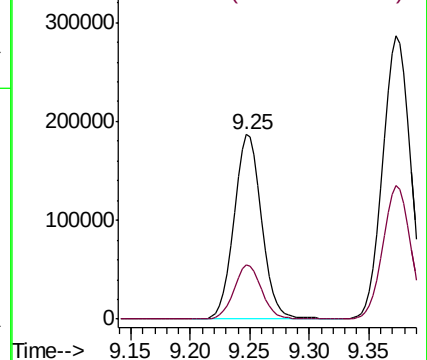
91 100

106 29.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.688 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028547.D

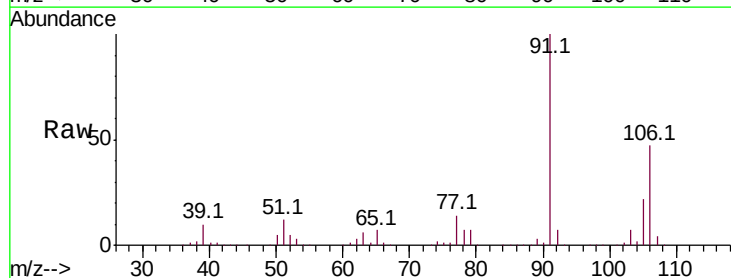
Acq: 10 Dec 2018 13:09

Tgt Ion: 106 Resp: 219704

Ion Ratio Lower Upper

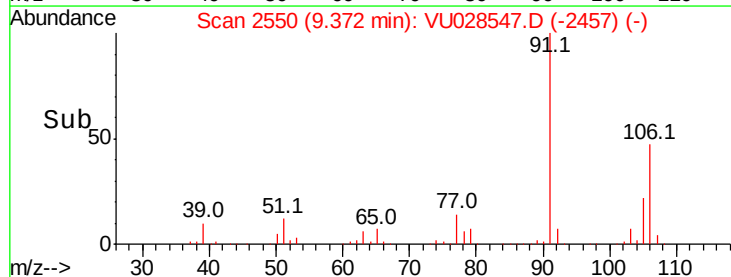
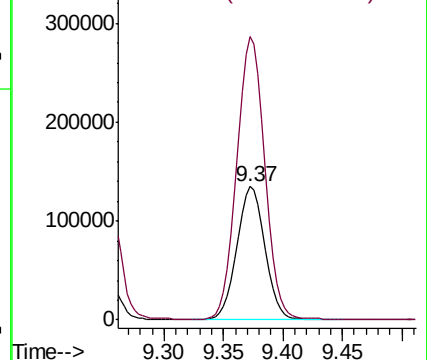
106 100

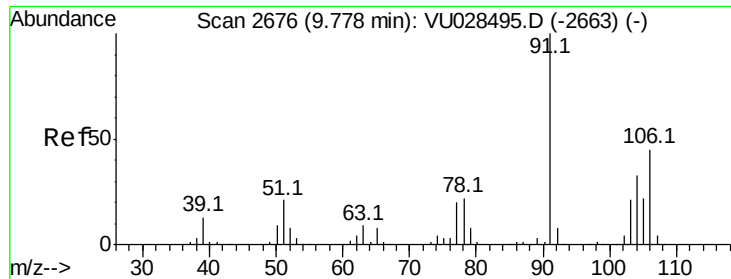
91 213.5 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

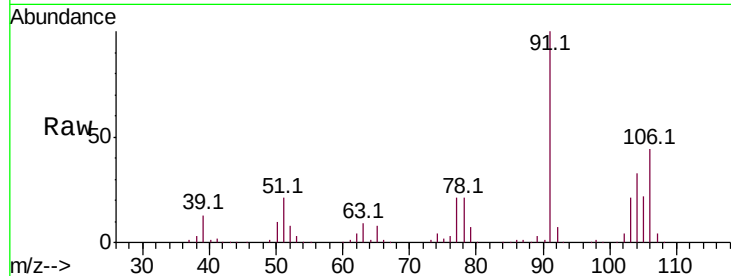




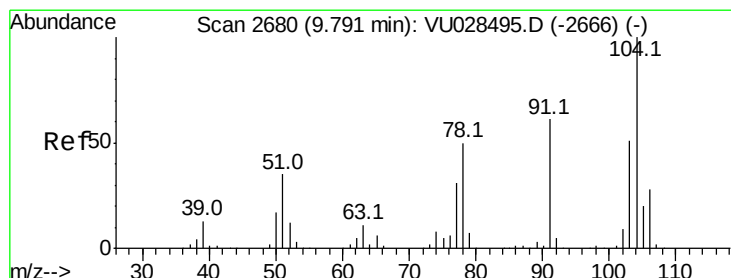
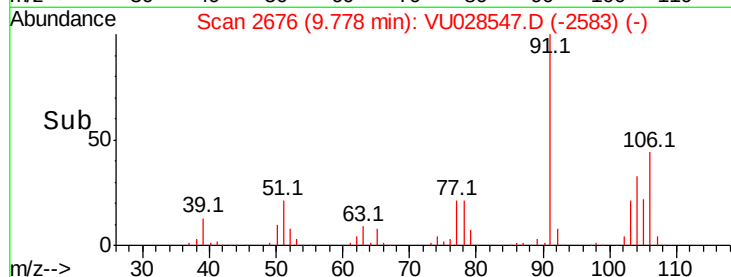
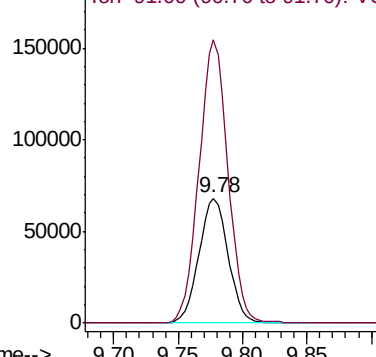
#69
o-Xylene
Concen: 51.208 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 107518
Ion Ratio Lower Upper
106 100
91 223.7 111.3 334.0

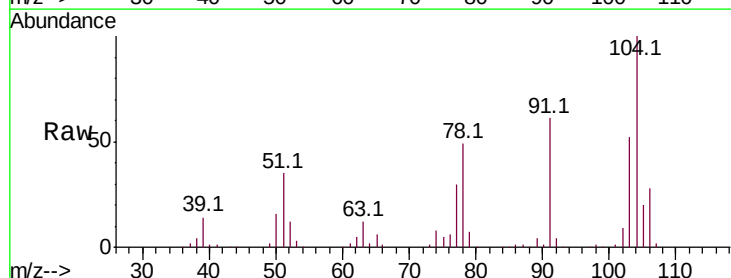


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

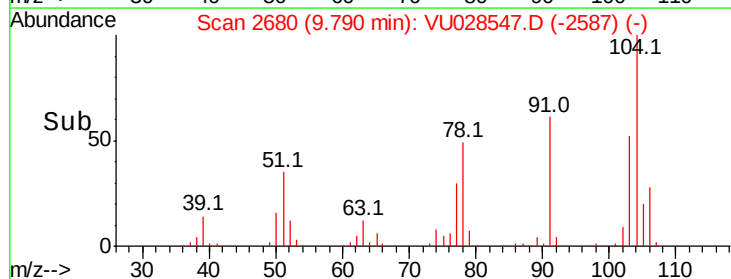
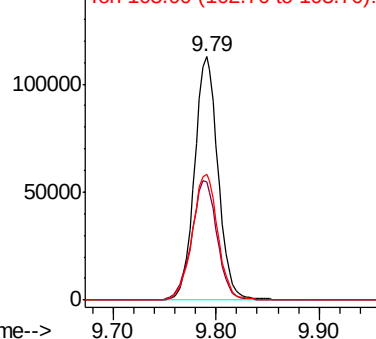


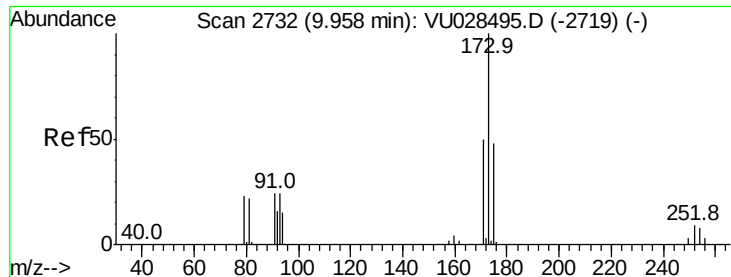
#70
Styrene
Concen: 51.676 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion:104 Resp: 179561
Ion Ratio Lower Upper
104 100
78 53.4 43.0 64.6
103 55.9 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: 54.041 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

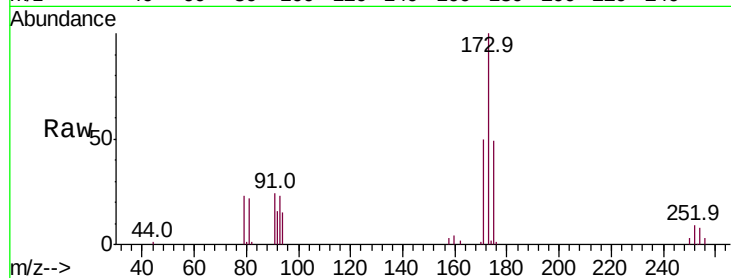
MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 47417

Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.9	71.8
254	0.0	0.0	0.0

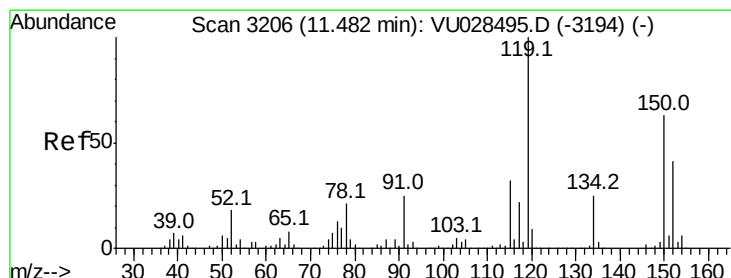
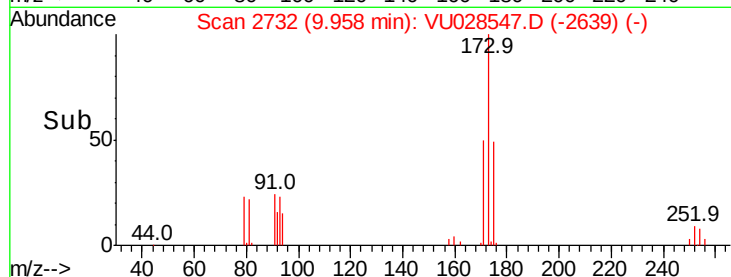
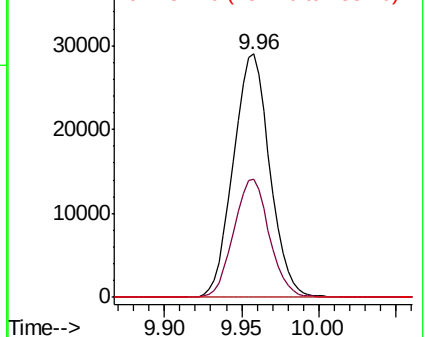


Abundance

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

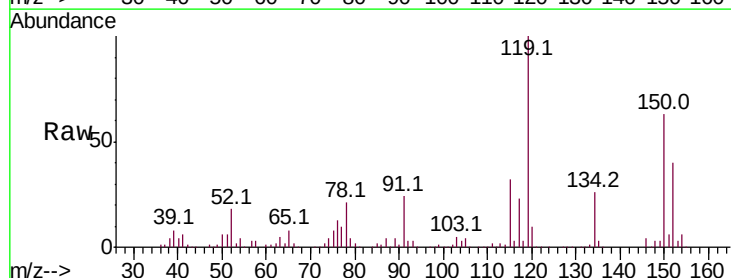
Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Tgt Ion:152 Resp: 76719

Ion	Ratio	Lower	Upper
152	100		
115	86.9	42.7	128.1
150	172.9	0.0	346.0

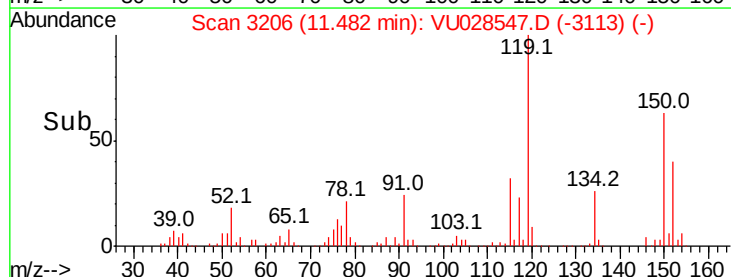
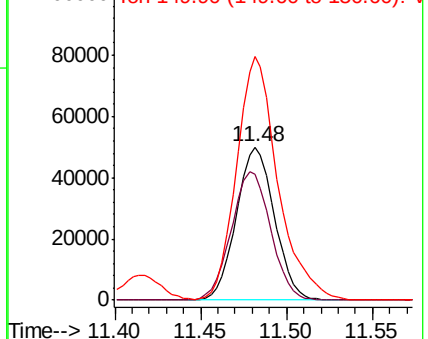


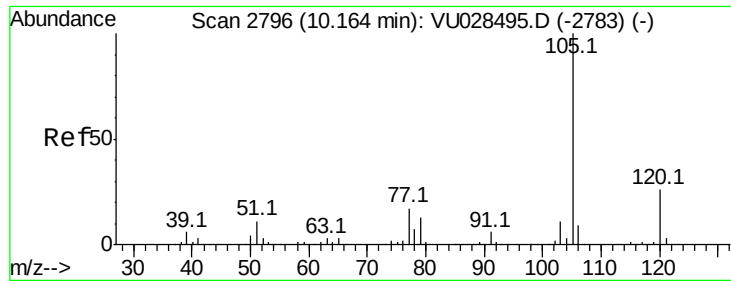
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.971 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

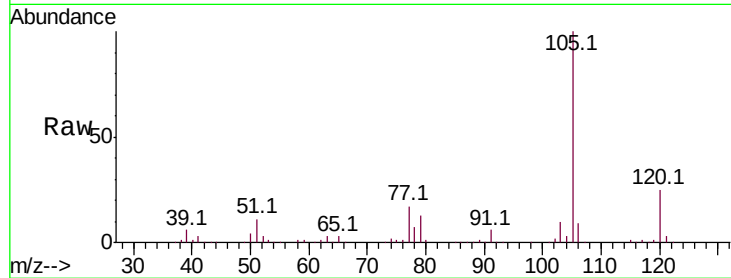
VSTDCCC050

Tot Ion:105 Resp: 288286

Ion Ratio Lower Upper

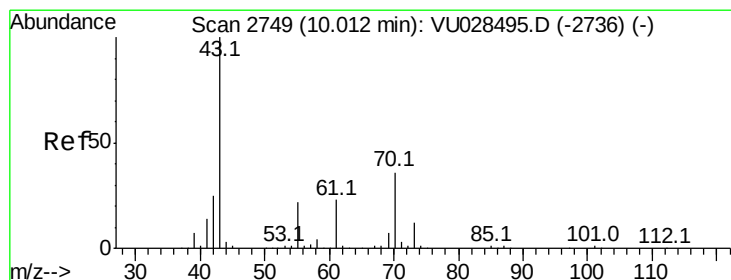
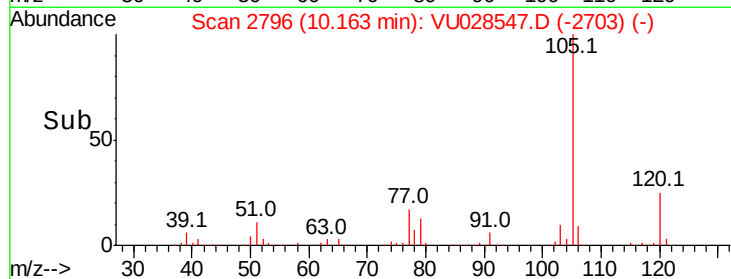
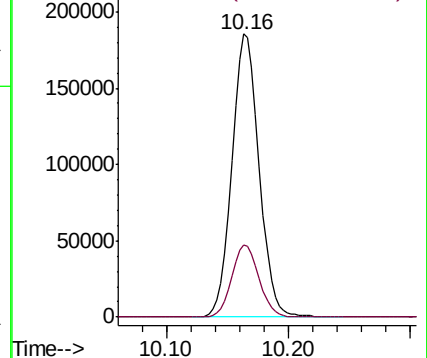
105 100

120 25.6 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: 48.422 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Tgt Ion: 43 Resp: 164429

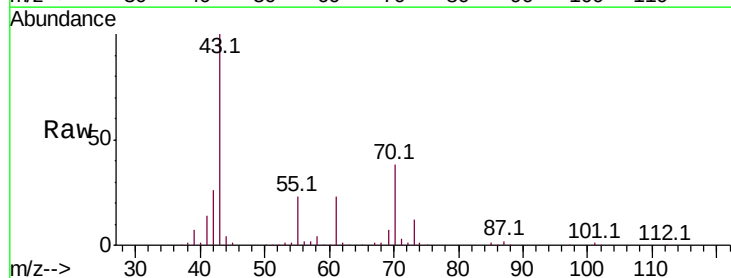
Ion Ratio Lower Upper

43 100

70 37.1 29.3 43.9

55 22.9 18.0 27.0

61 22.8 18.3 27.5

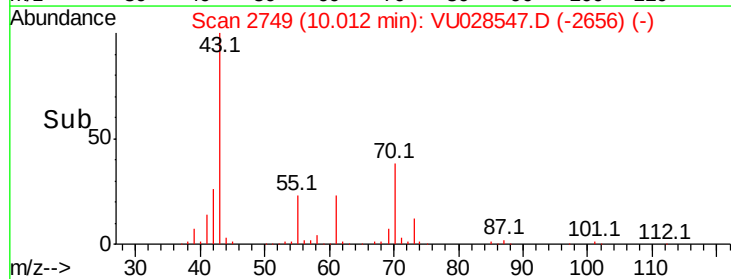
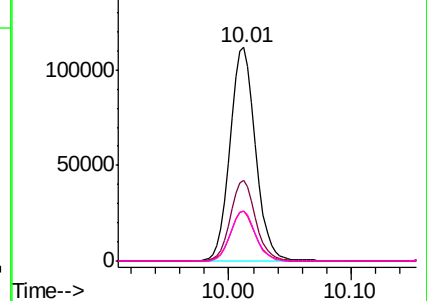


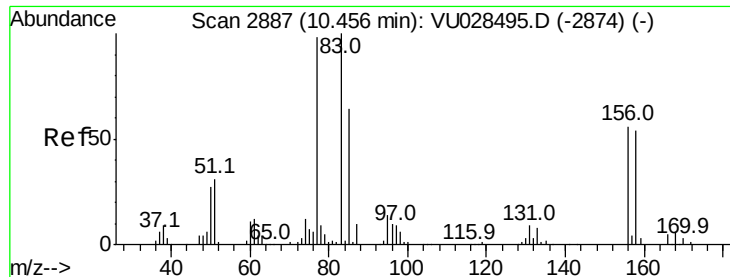
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 49.515 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

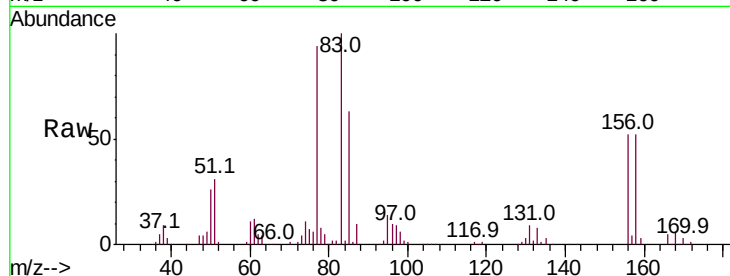
Tot Ion: 83 Resp: 111974

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.4

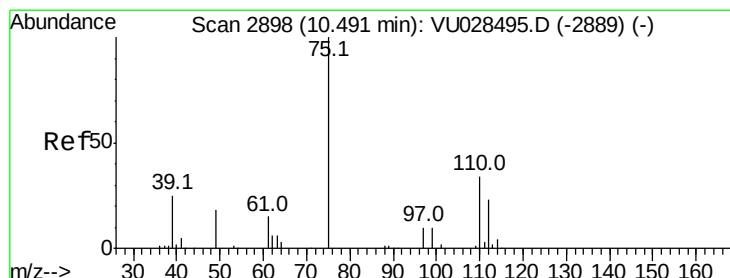
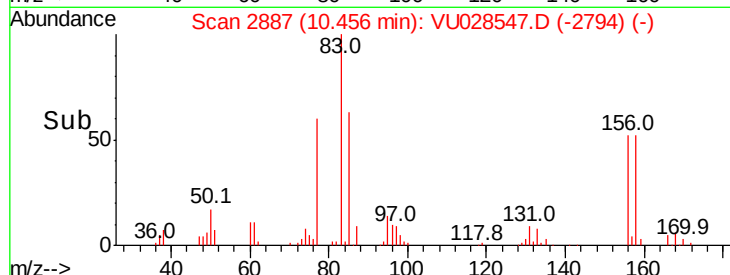
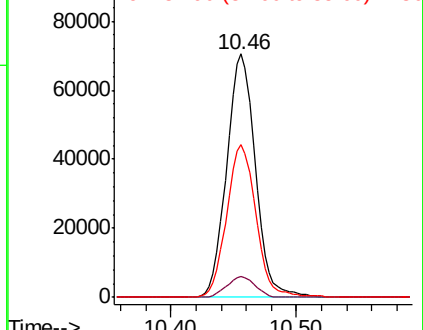
85 64.1 31.8 95.4



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

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

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



#76

1,2,3-Trichloropropane

Concen: 68.780 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028547.D

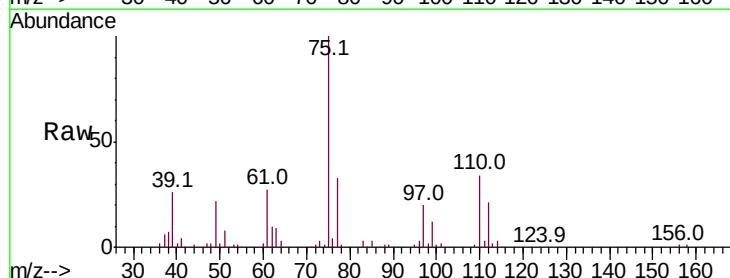
Acq: 10 Dec 2018 13:09

Tgt Ion: 75 Resp: 134743

Ion Ratio Lower Upper

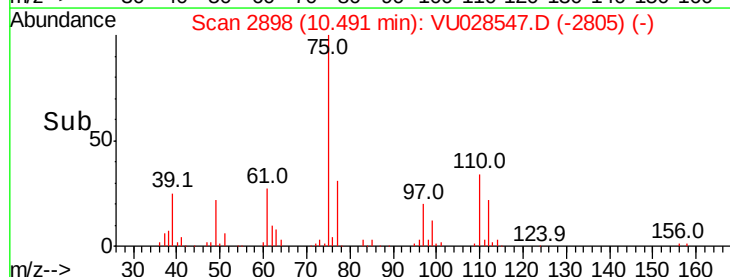
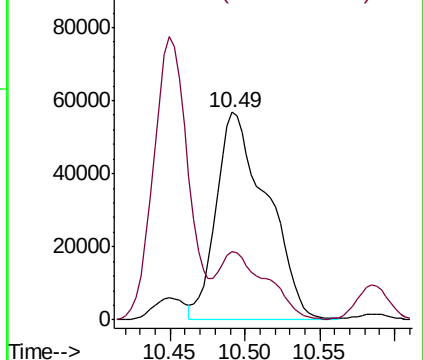
75 100

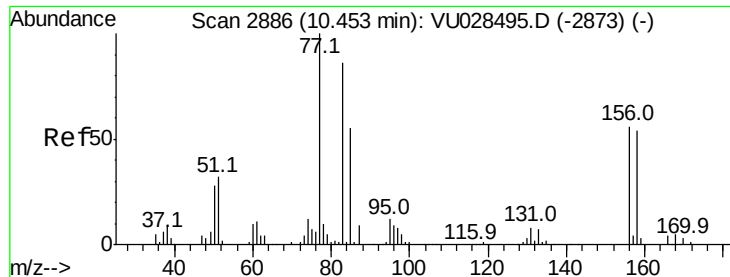
77 30.3 20.8 62.4



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

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





#77

Bromobenzene

Concen: 49.192 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

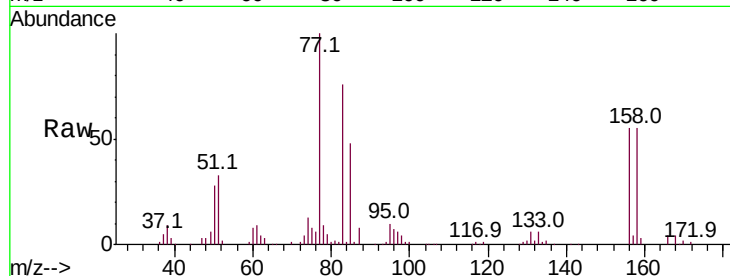
Tot Ion:156 Resp: 67727

Ion Ratio Lower Upper

156 100

77 182.4 92.4 277.2

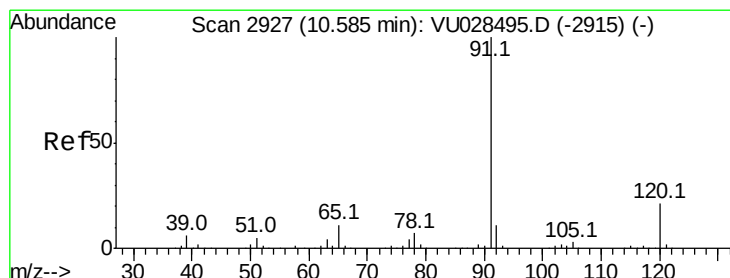
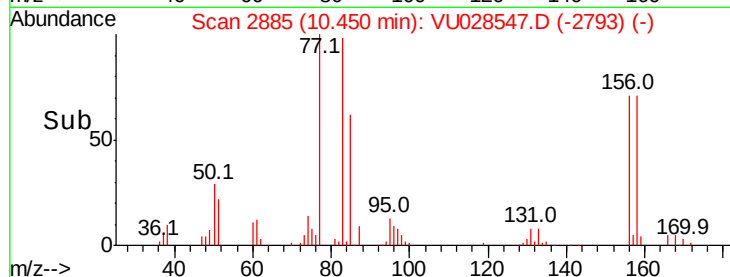
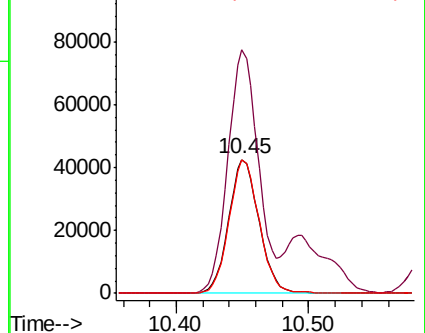
158 98.5 48.4 145.3



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: 49.928 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028547.D

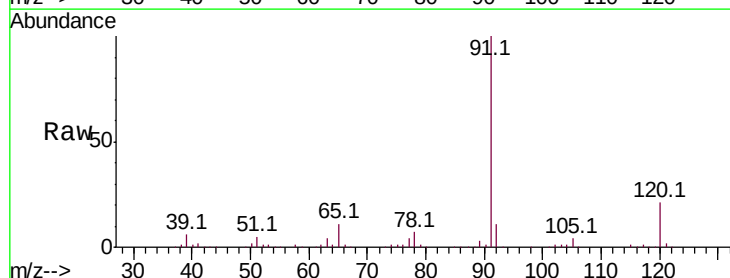
Acq: 10 Dec 2018 13:09

Tgt Ion: 91 Resp: 365227

Ion Ratio Lower Upper

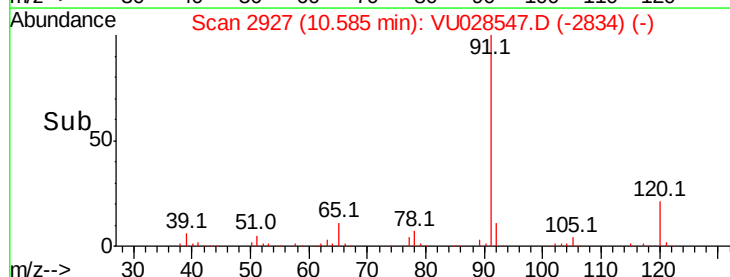
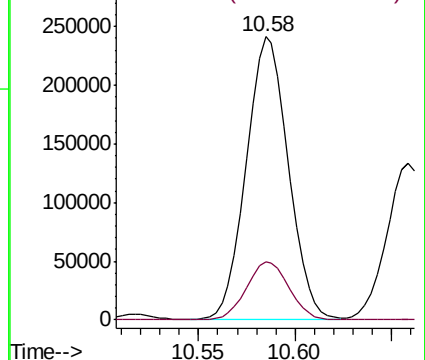
91 100

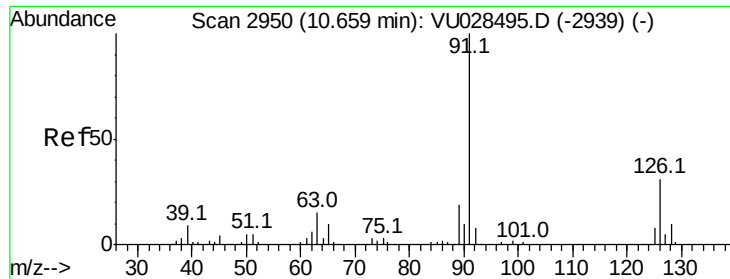
120 20.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

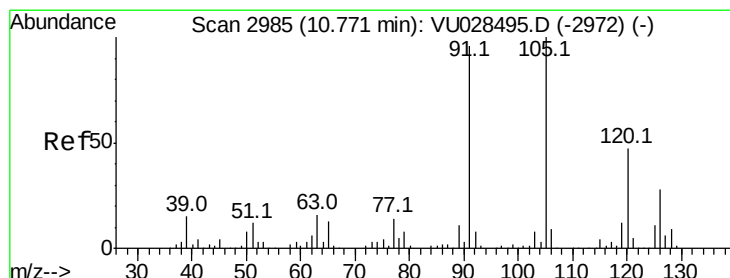
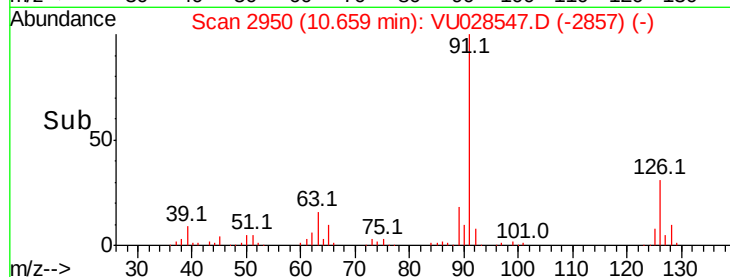
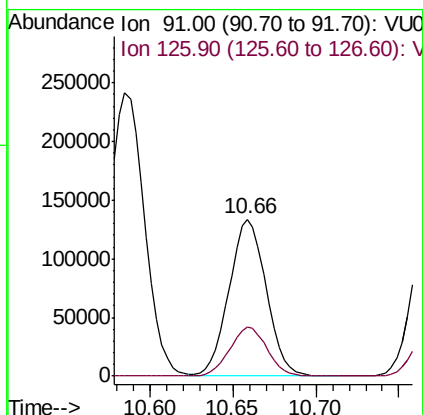
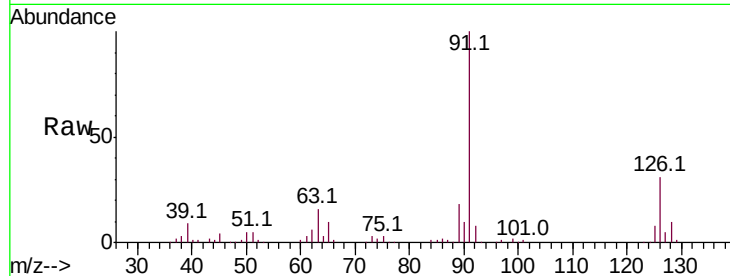




#79
 2-Chlorotoluene
 Concen: 49.213 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

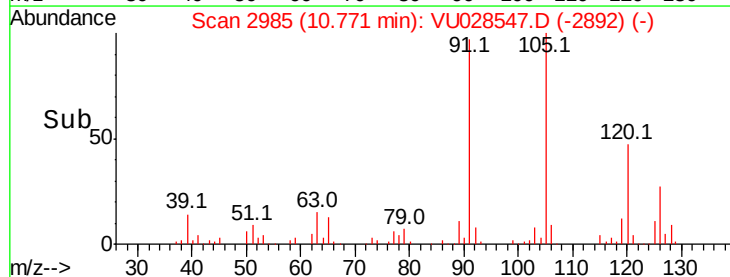
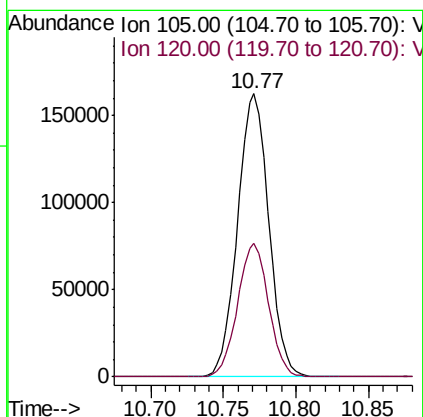
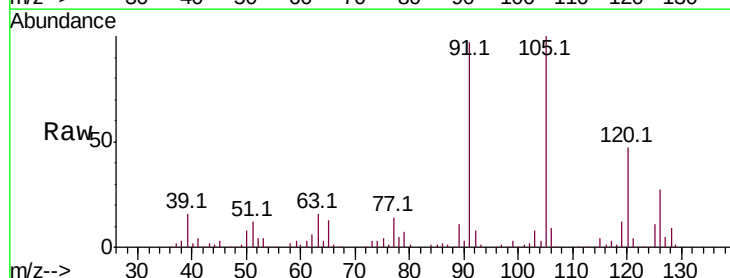
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

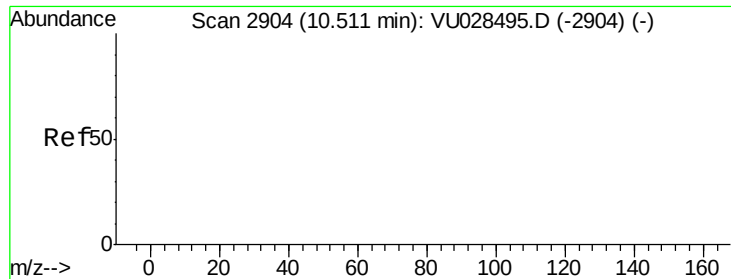
Tot Ion: 91 Resp: 207364
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 49.836 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion:105 Resp: 242853
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1

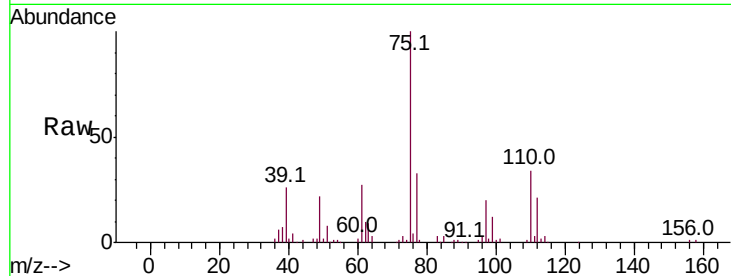




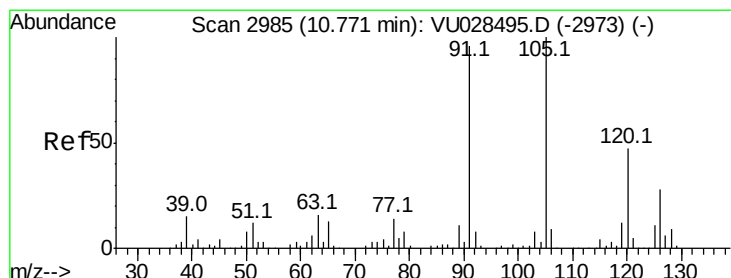
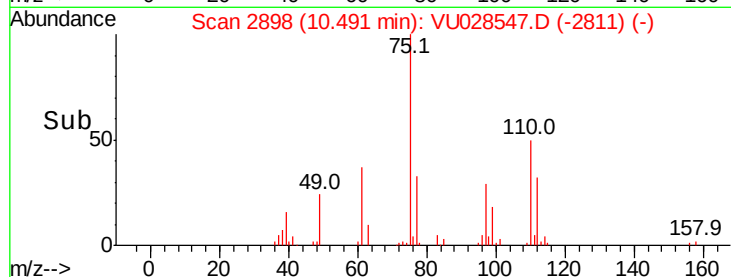
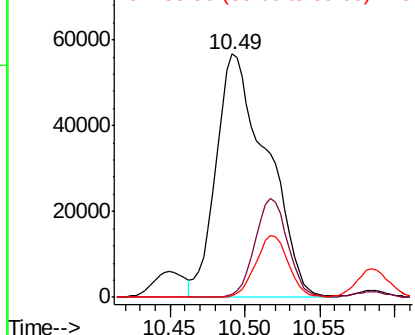
#81
trans-1,4-Dichloro-2-butene
Concen: 167.861 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 134743
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

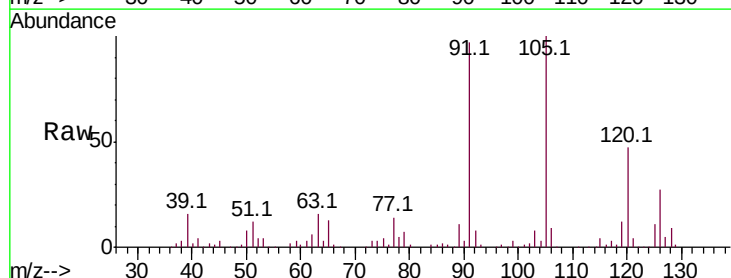


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

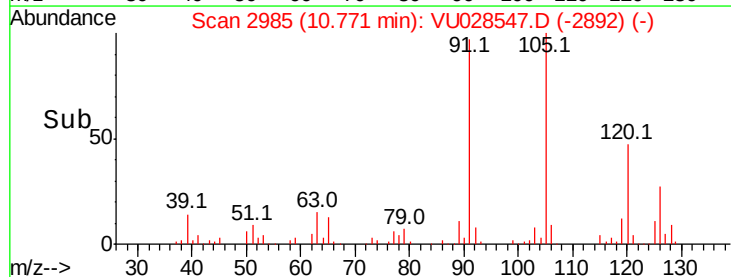
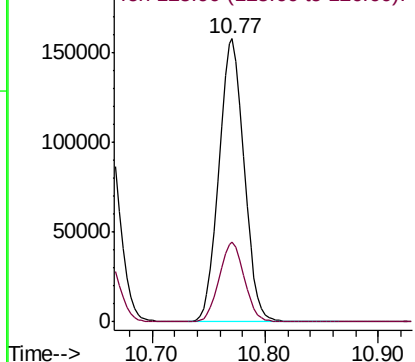


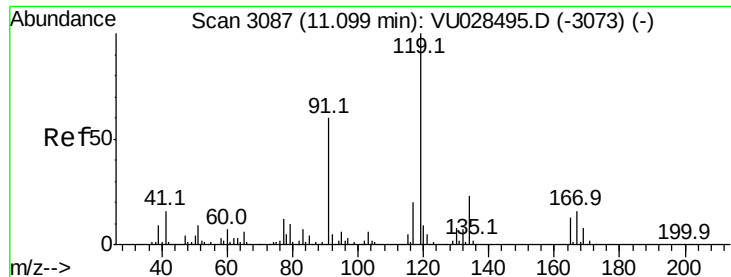
#82
4-Chlorotoluene
Concen: 49.080 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 91 Resp: 245069
Ion Ratio Lower Upper
91 100
126 27.9 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: 49.046 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

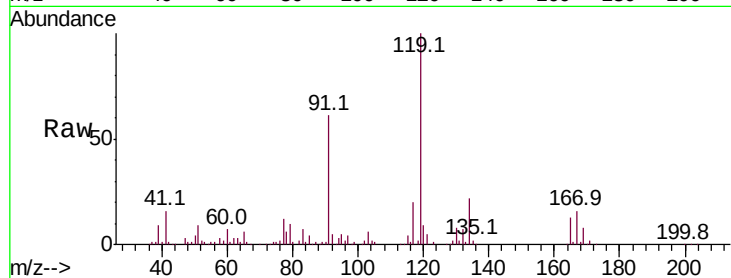
Tot Ion:119 Resp: 230367

Ion Ratio Lower Upper

119 100

91 61.0 30.3 91.0

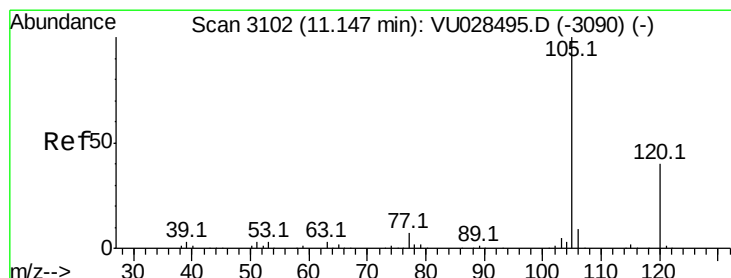
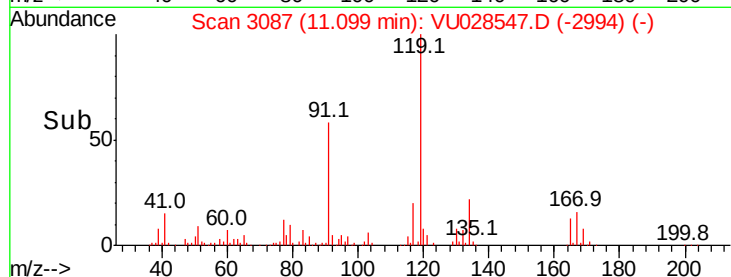
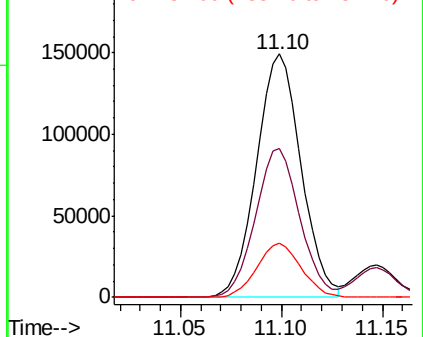
134 22.0 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.464 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028547.D

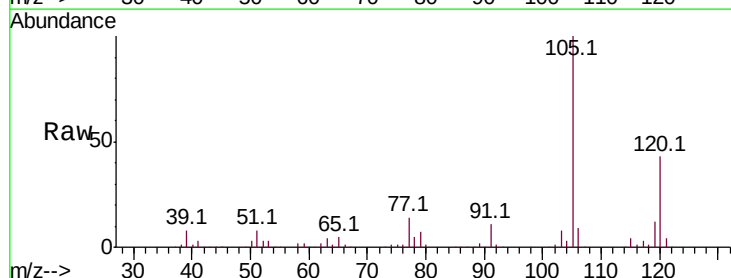
Acq: 10 Dec 2018 13:09

Tgt Ion:105 Resp: 248410

Ion Ratio Lower Upper

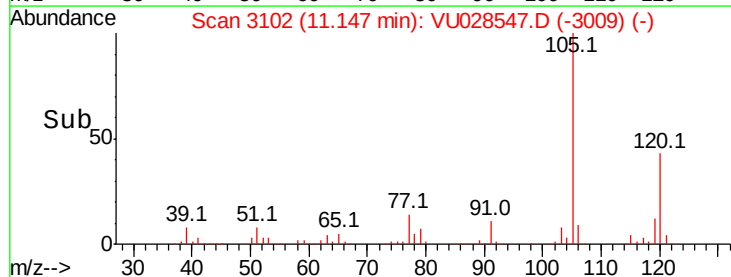
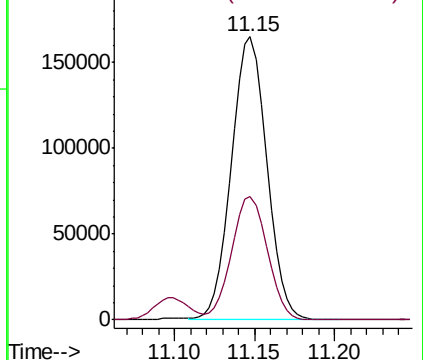
105 100

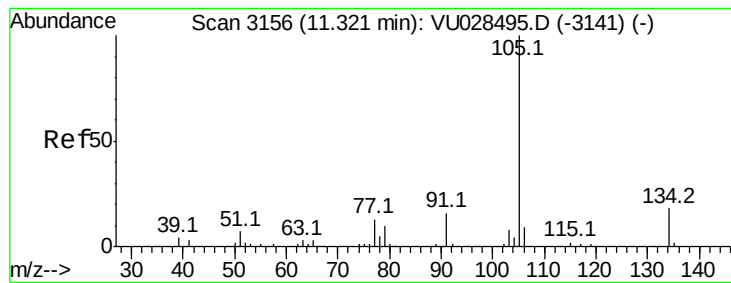
120 44.1 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.752 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

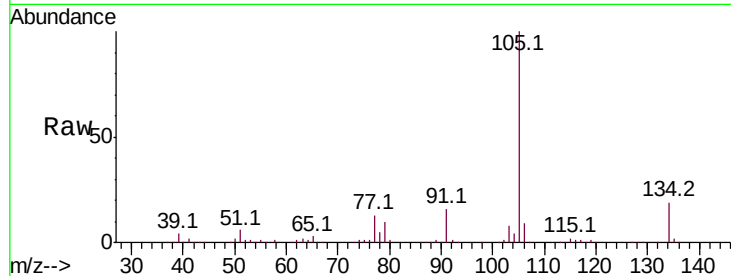
VSTDCCC050

Tot Ion:105 Resp: 300202

Ion Ratio Lower Upper

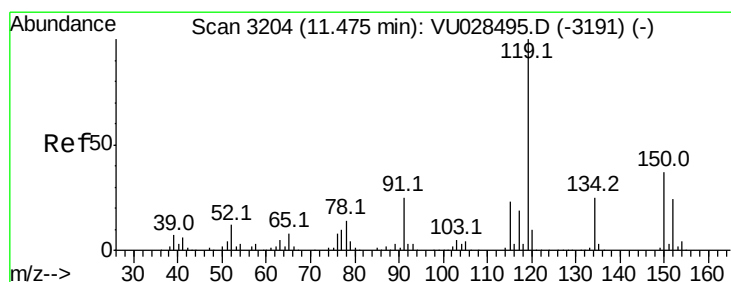
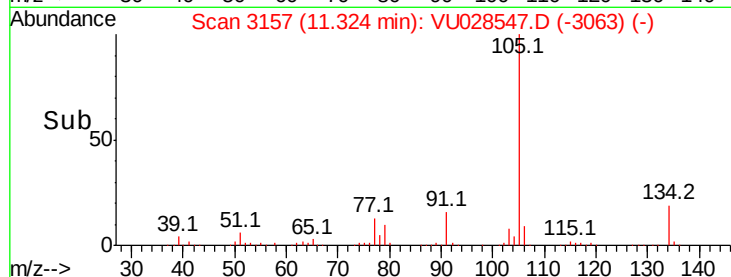
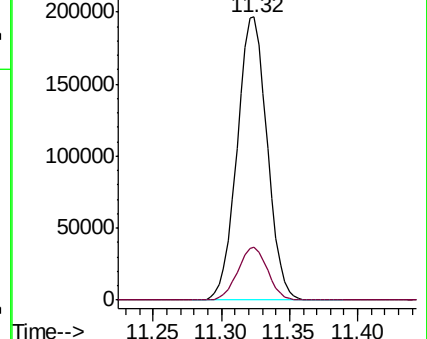
105 100

134 18.6 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.726 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

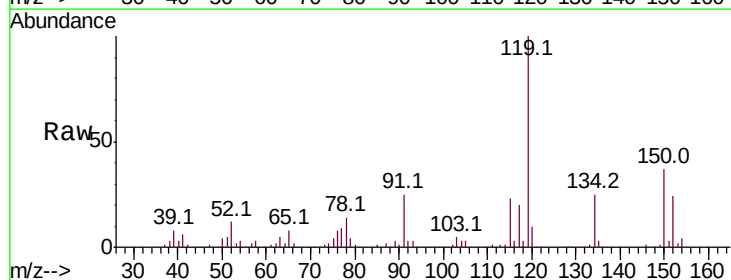
Tgt Ion:119 Resp: 254878

Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

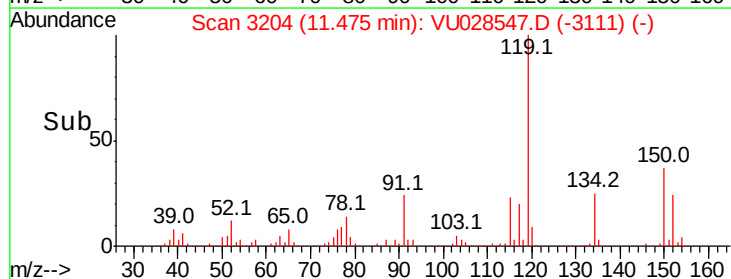
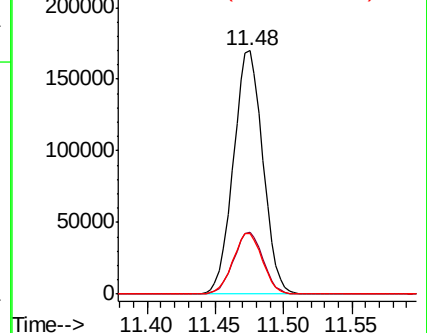
91 25.0 12.6 37.6

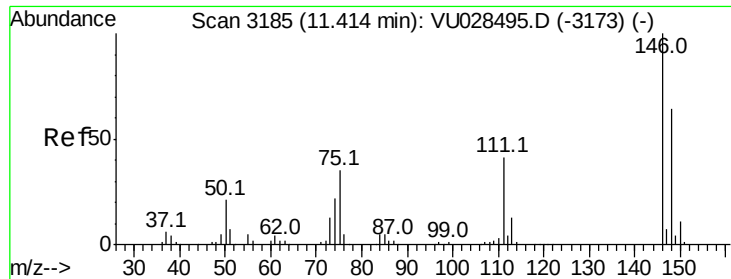


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

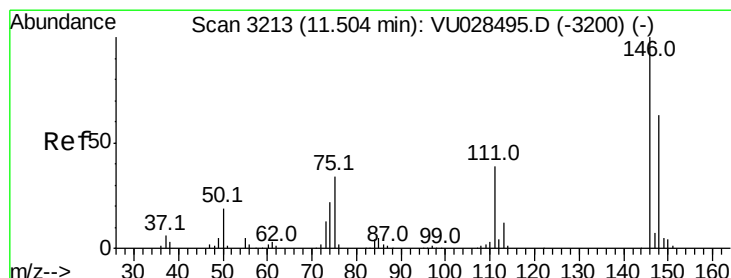
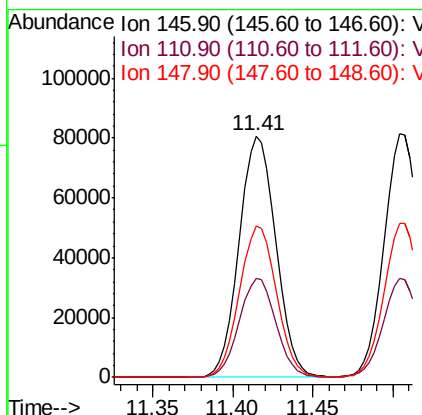
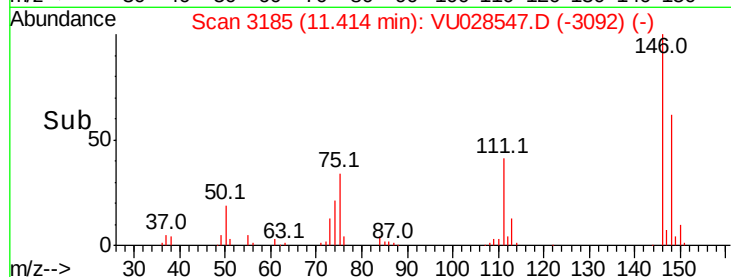
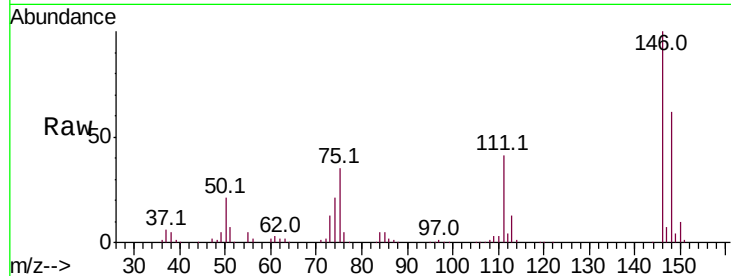




#87
 1,3-Dichlorobenzene
 Concen: 48.668 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

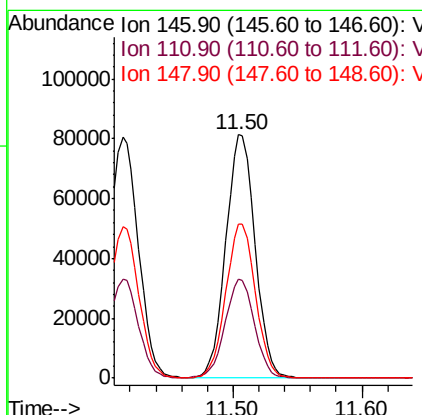
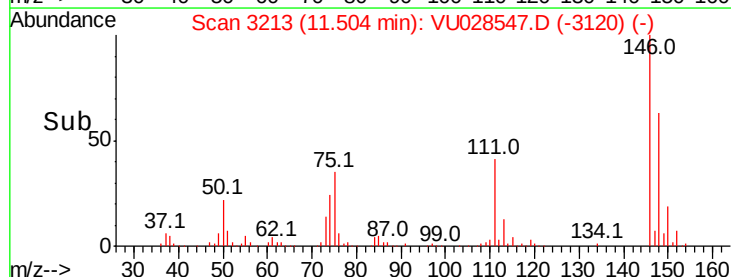
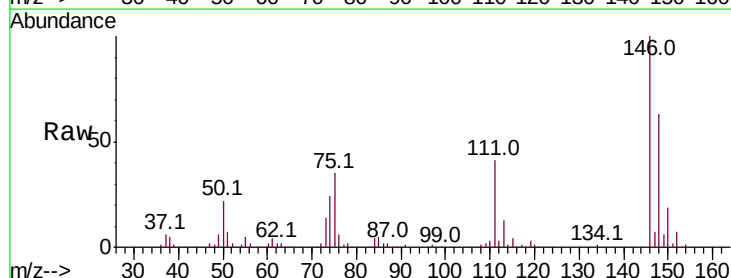
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

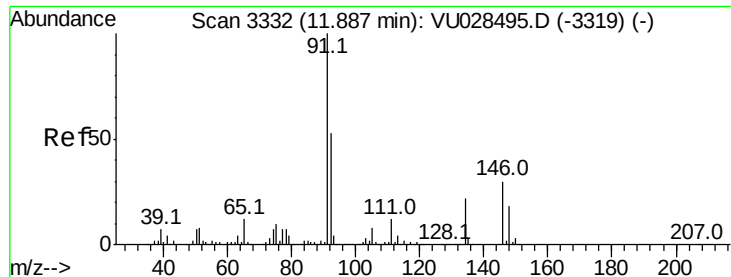
Tot Ion:146 Resp: 126526
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.7 62.1
 148 63.3 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 47.684 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion:146 Resp: 128257
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.2 60.5
 148 64.0 31.6 95.0





#89

n-Butylbenzene

Concen: 51.000 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

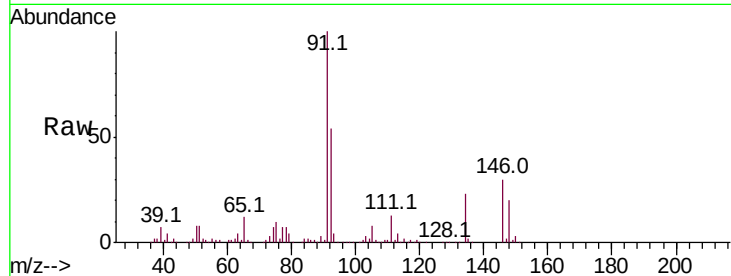
Tot Ion: 91 Resp: 264561

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

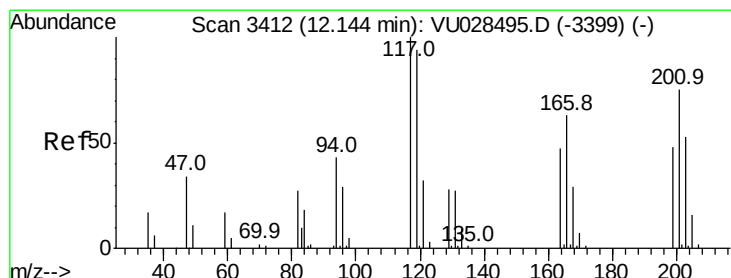
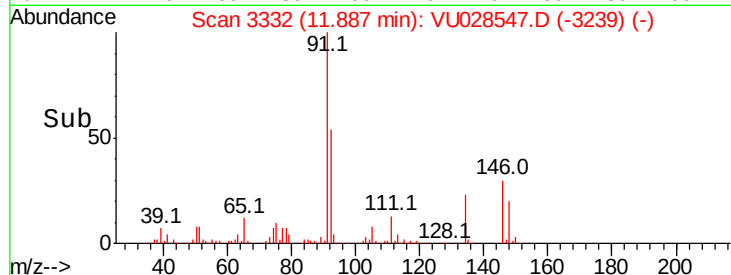
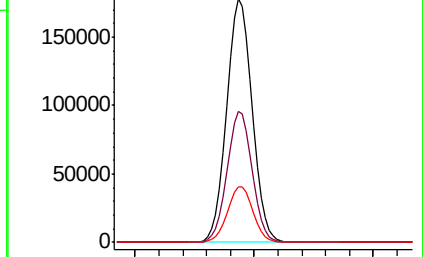
134 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028495.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3319) (-)



#90

Hexachloroethane

Concen: 49.248 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028547.D

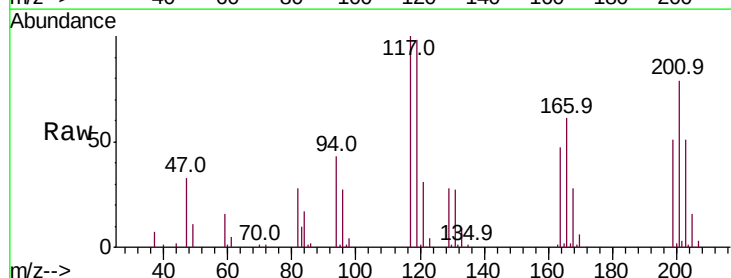
Acq: 10 Dec 2018 13:09

Tgt Ion: 117 Resp: 38154

Ion Ratio Lower Upper

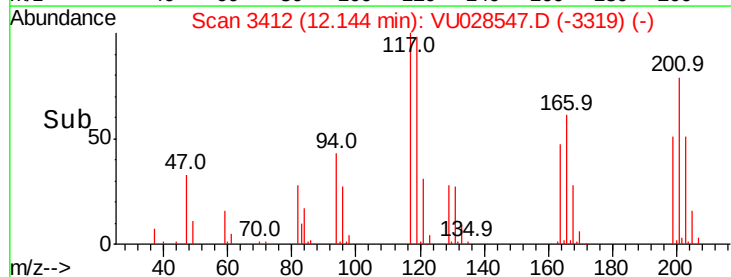
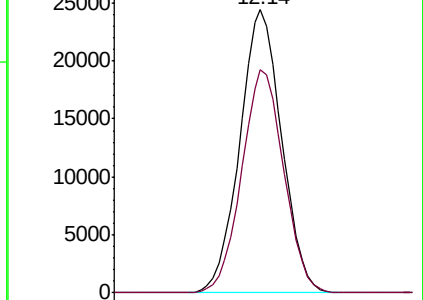
117 100

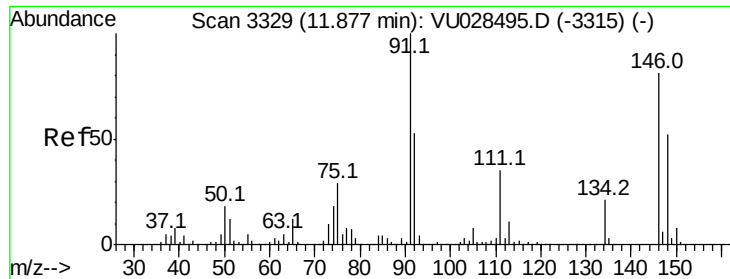
201 79.1 38.1 114.5



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028495.D (-3399) (-)

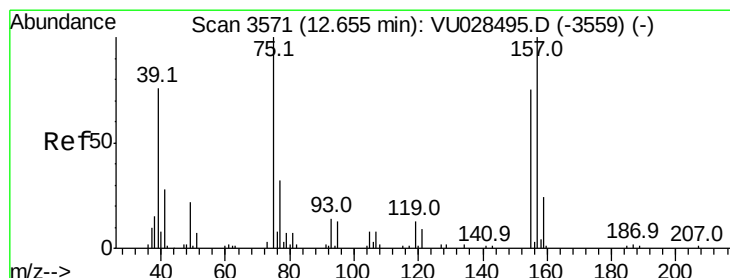
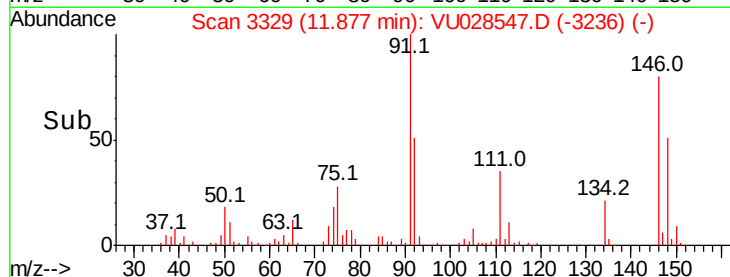
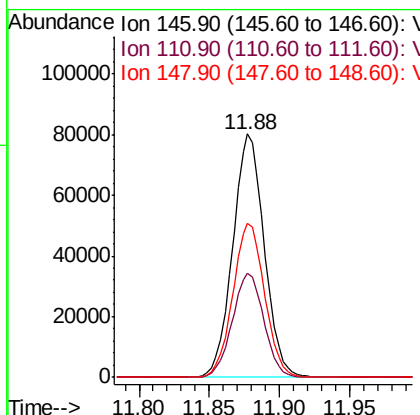
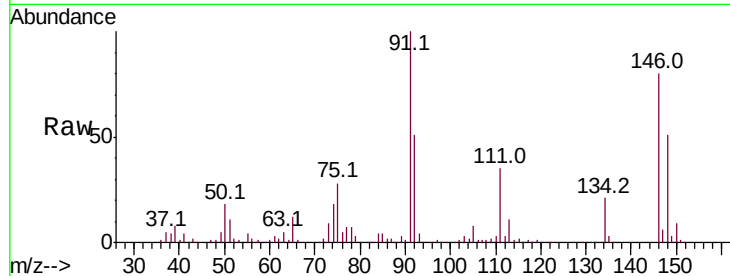




#91
 1,2-Dichlorobenzene
 Concen: 48.166 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

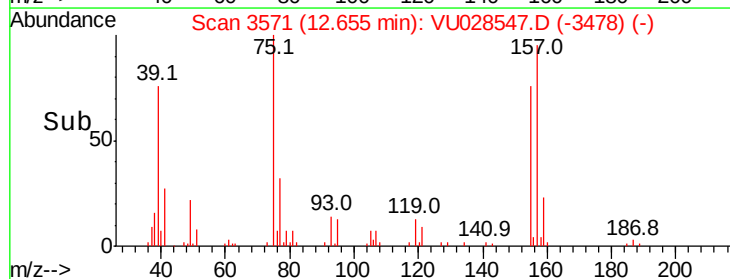
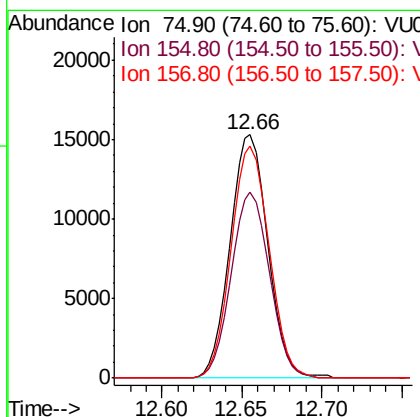
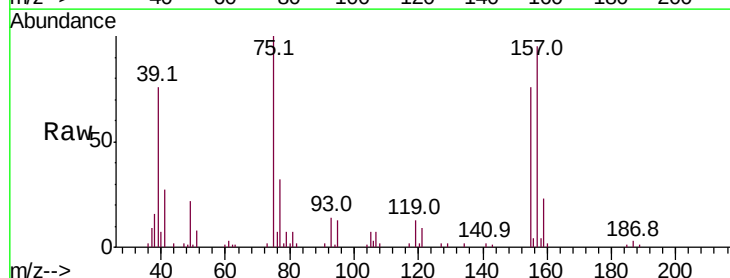
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

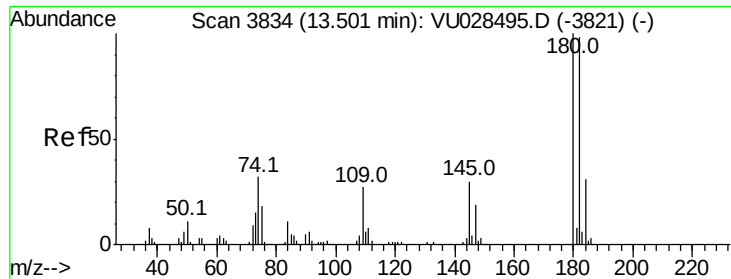
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	63.8	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.338 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	38.1	114.5
157	95.4	48.7	146.1

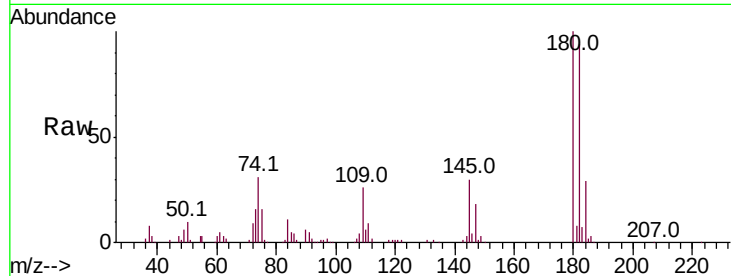




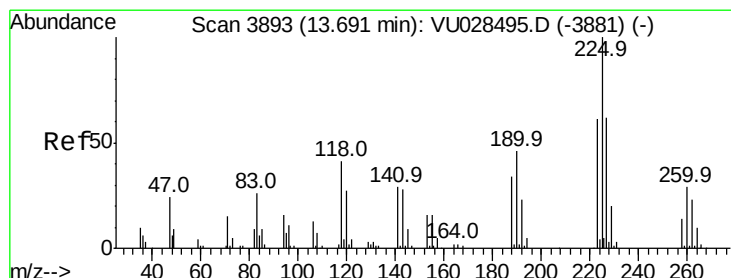
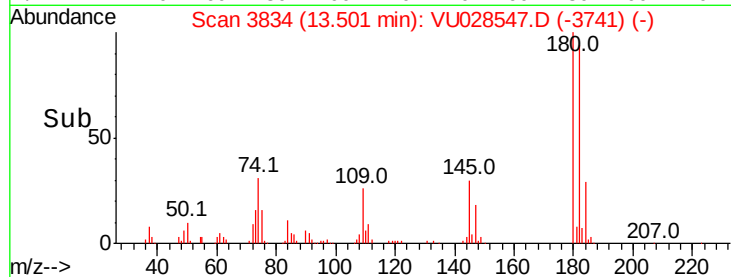
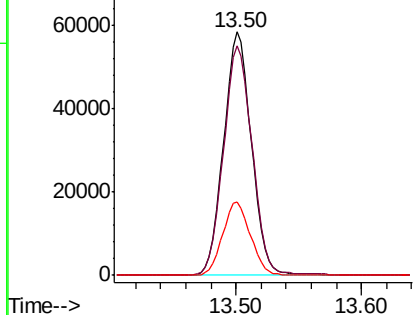
#93
 1,2,4-Trichlorobenzene
 Concen: 50.619 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.8
145	30.0	15.0	45.1

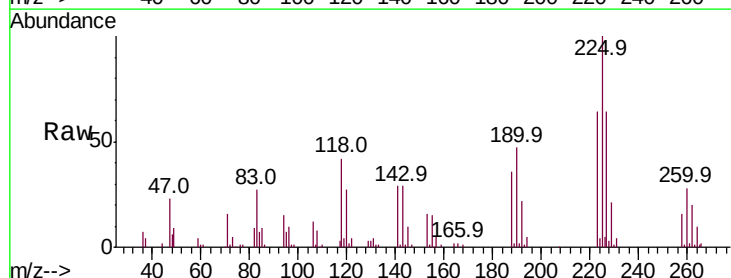


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

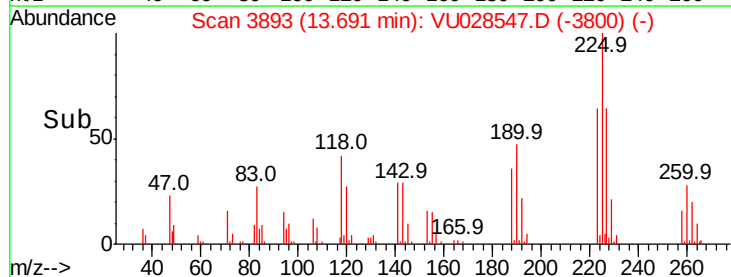
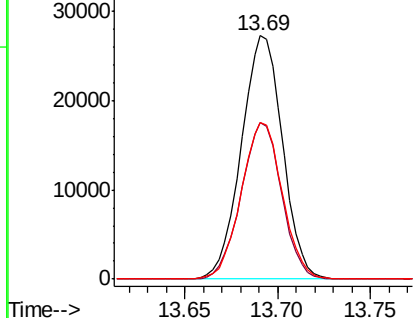


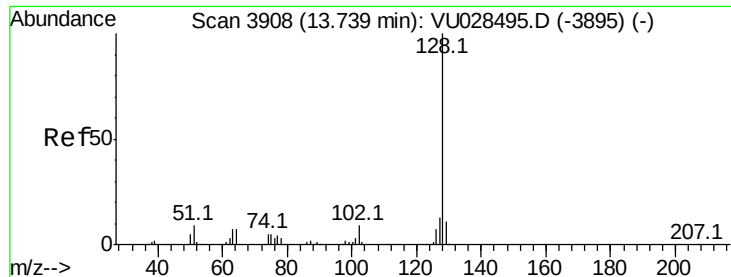
#94
 Hexachlorobutadiene
 Concen: 49.577 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	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

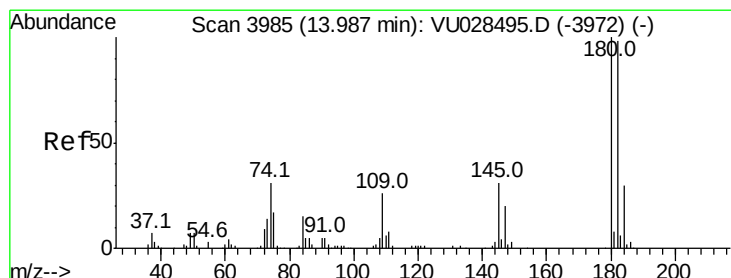
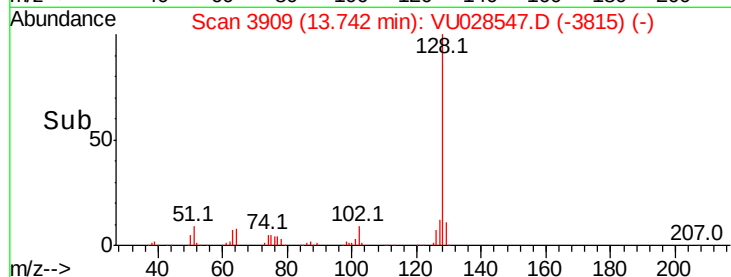
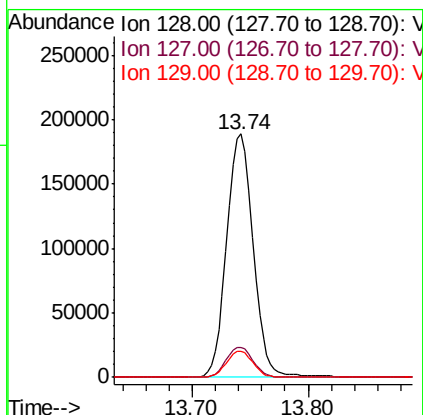
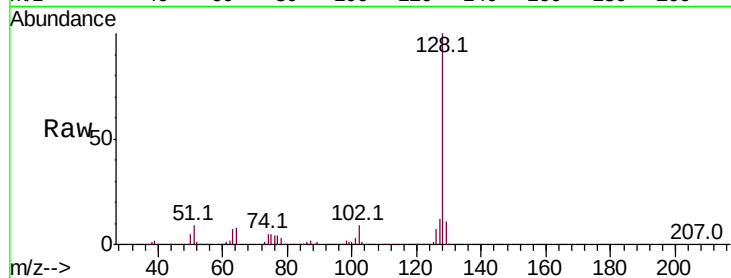




#95
Naphthalene
Concen: 47.895 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 298873
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.068 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion:180 Resp: 89046
Ion Ratio Lower Upper
180 100
182 96.3 48.2 144.6
145 31.4 15.8 47.3

