

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111318\
 Data File : VU028087.D
 Acq On : 13 Nov 2018 13:17
 Operator : MD/SY
 Sample : J5925-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 06:56:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	229584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	426836	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	379719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	167906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	181334	53.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.26%		
35) Dibromofluoromethane	4.88	113	139132	51.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.40%		
50) Toluene-d8	7.57	98	552008	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.20%		
62) 4-Bromofluorobenzene	10.31	95	187886	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.00%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	269	0.230	ug/l	89
6) Chloroethane	1.51	64	42298	20.961	ug/l #	49
10) Methyl Iodide	2.41	142	41	7.775	ug/l #	40
11) Tert butyl alcohol	2.84	59	3562	3.942	ug/l #	75
13) Acrolein	2.21	56	91	Below Cal	#	1
16) Acetone	2.32	43	26240	12.390	ug/l	98
17) Carbon Disulfide	2.48	76	4210	0.535	ug/l	97
18) Methyl Acetate	2.63	43	3112	0.534	ug/l #	83
20) Methylene Chloride	2.70	84	695	0.225	ug/l #	83
25) 2-Butanone	4.27	43	91121	27.046	ug/l	95
29) Tetrahydrofuran	4.66	42	1541	0.685	ug/l #	72
31) Cyclohexane	4.99	56	12559	0.442	ug/l #	45
36) 1,1-Dichloropropene	4.99	75	19400	4.340	ug/l #	50
37) Ethyl Acetate	4.27	43	91121	13.911	ug/l #	71
38) Carbon Tetrachloride	4.98	117	23531	5.940	ug/l #	15
39) Methylcyclohexane	6.42	83	20330	3.771	ug/l	96
40) Benzene	5.40	78	10973	0.803	ug/l	98
48) Methyl methacrylate	6.64	41	1051	0.209	ug/l #	34
51) 4-Methyl-2-Pentanone	7.47	43	7696	1.123	ug/l	98
52) Toluene	7.65	92	2086	0.260	ug/l	86
55) 1,1,2-Trichloroethane	8.05	97	5016	1.534	ug/l #	16
56) Ethyl methacrylate	8.05	69	1167	0.202	ug/l #	1
59) 2-Hexanone	8.37	43	15684	2.959	ug/l	97
60) Dibromochloromethane	8.23	129	1164	0.376	ug/l #	10
64) Tetrachloroethene	8.23	164	1227	0.498	ug/l	93
67) Ethyl Benzene	9.25	91	32755	2.218	ug/l	97
68) m/p-Xylenes	9.38	106	7903	1.475	ug/l	95
69) o-Xylene	9.78	106	15284	2.825	ug/l	93
73) Isopropylbenzene	10.17	105	177536	13.649	ug/l	99
74) N-amyl acetate	10.01	43	2292	0.291	ug/l #	22
75) 1,1,2,2-Tetrachloroethane	10.49	83	8242	1.571	ug/l #	32
76) 1,2,3-Trichloropropane	10.31	75	96651	21.044	ug/l #	36
78) n-propylbenzene	10.59	91	304244	19.541	ug/l	100
79) 2-Chlorotoluene	10.59	91	304244	32.600	ug/l #	43

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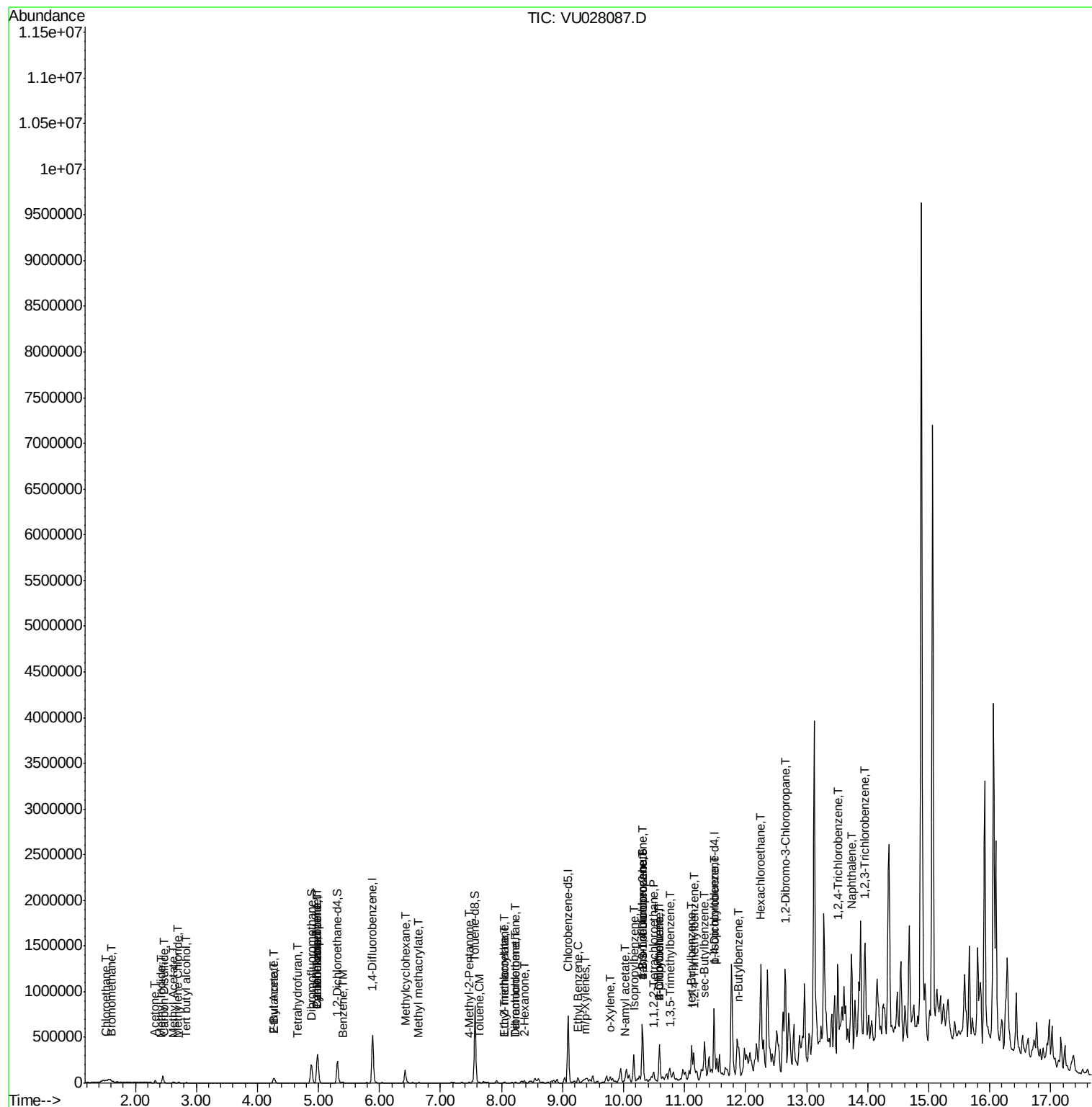
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	10.77	105	17744	1.647	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.31	75	96651	52.530	ug/l #	100
82) 4-Chlorotoluene	10.59	91	304244	28.715	ug/l #	46
83) tert-Butylbenzene	11.10	119	13105	1.217	ug/l	90
84) 1,2,4-Trimethylbenzene	11.15	105	123746	11.405	ug/l	98
85) sec-Butylbenzene	11.32	105	199221	15.207	ug/l	100
86) p-Isopropyltoluene	11.48	119	27893	2.547	ug/l	99
89) n-Butylbenzene	11.89	91	133466	12.823	ug/l #	80
90) Hexachloroethane	12.25	117	55918	28.678	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.65	75	3940	3.564	ug/l #	4
93) 1,2,4-Trichlorobenzene	13.50	180	117	0.714	ug/l #	1
95) Naphthalene	13.74	128	489173	35.464	ug/l #	97
96) 1,2,3-Trichlorobenzene	13.95	180	3348	0.900	ug/l #	1

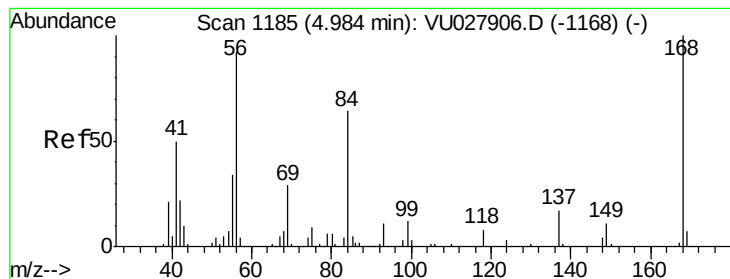
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

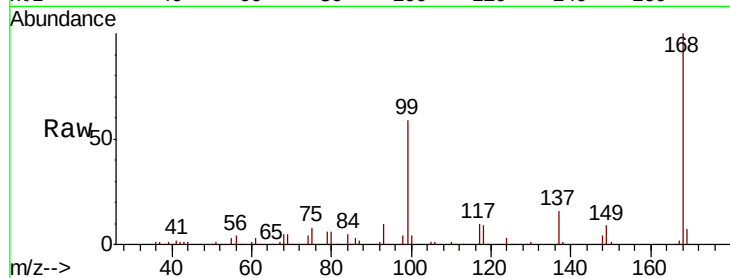
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 229584

Ion Ratio Lower Upper

168 100

99 59.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.98

120000

100000

80000

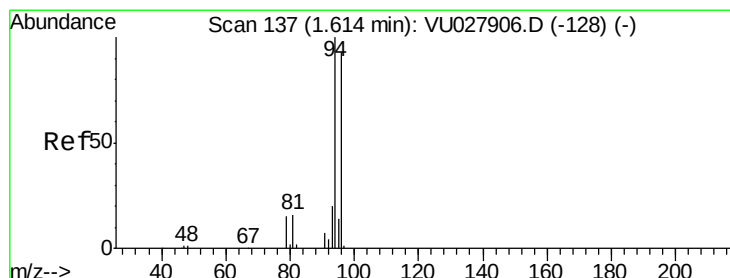
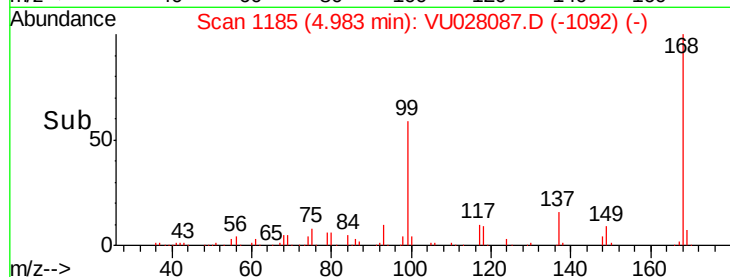
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.230 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.00 min

Lab File: VU028087.D

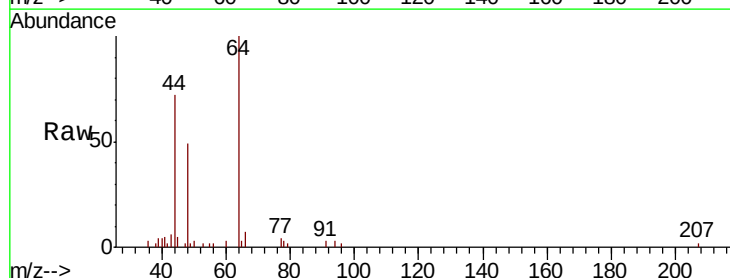
Acq: 13 Nov 2018 13:17

Tgt Ion: 94 Resp: 269

Ion Ratio Lower Upper

94 100

96 82.7 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027906.D (-128) (-)

1.61

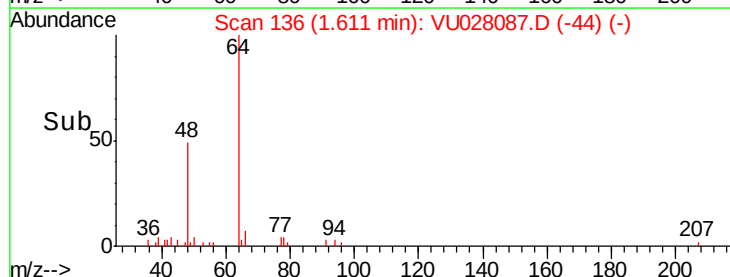
300

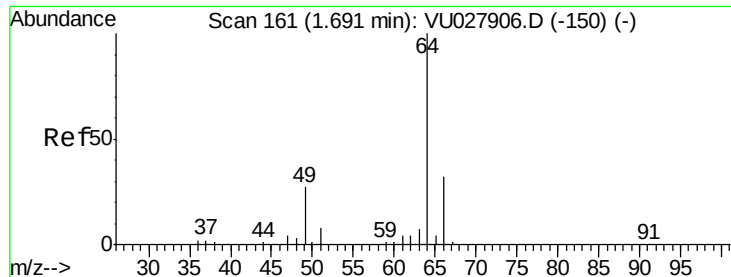
200

100

0

Time-->





#6

Chloroethane

Concen: 20.961 ug/l

RT: 1.51 min Scan# 106

Delta R.T. -0.18 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_U

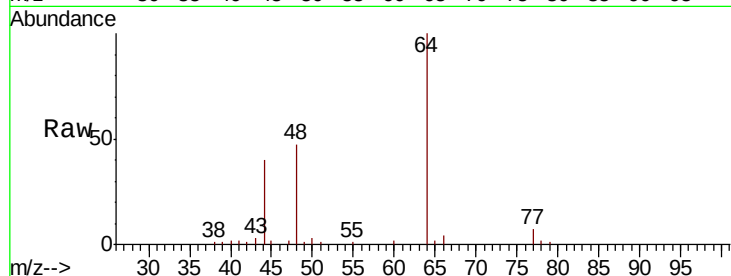
ClientSampleId :

Tot Ion: 64 Resp: 42298

Ion Ratio Lower Upper

64 100

66 3.6 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU027906.D (-150) (-)

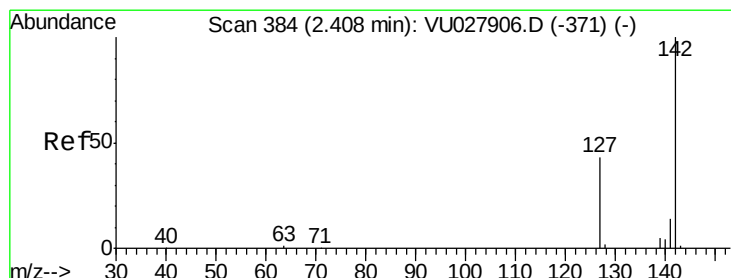
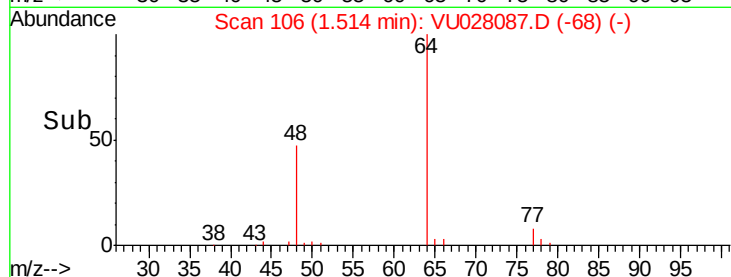
1.51

10000

5000

0

Time-->



#10

Methyl Iodide

Concen: 7.775 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

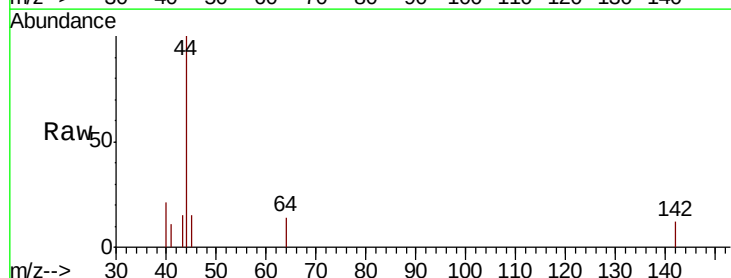
Tgt Ion: 142 Resp: 41

Ion Ratio Lower Upper

142 100

127 0.0 35.2 52.8#

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): VU027906.D (-371) (-)

Ion 126.80 (126.50 to 127.50): VU027906.D (-371) (-)

Ion 140.80 (140.50 to 141.50): VU027906.D (-371) (-)

2.41

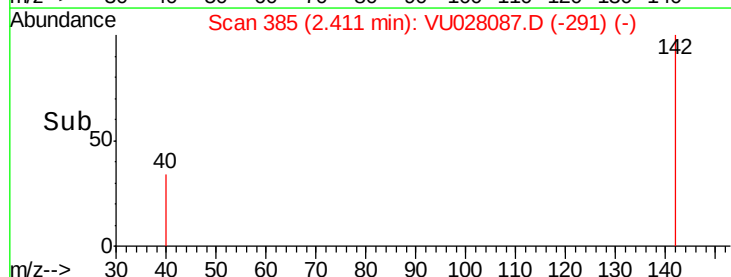
150

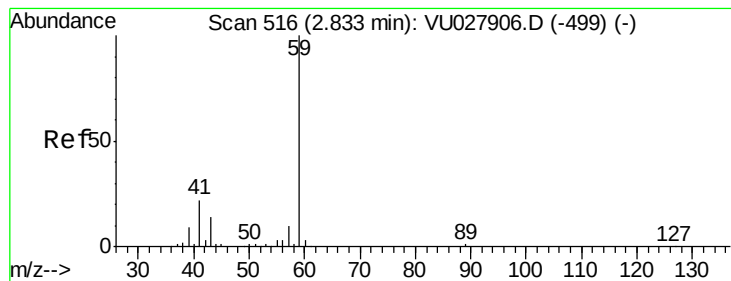
100

50

0

Time-->



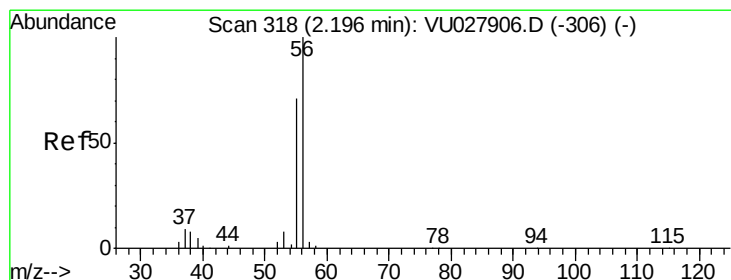
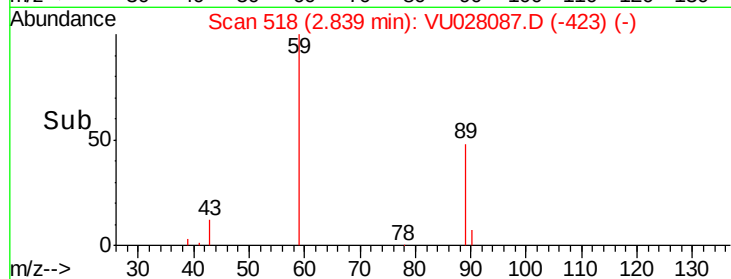
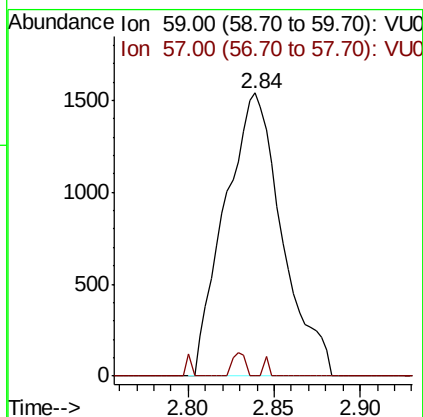
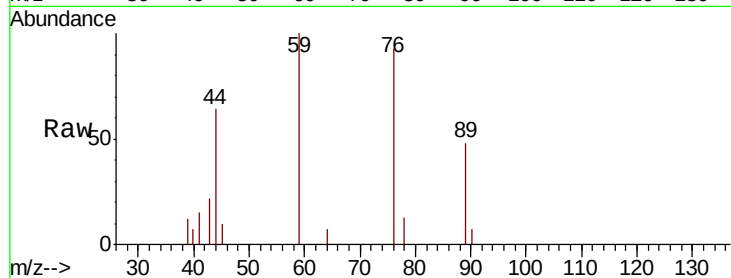


#11

Tert butyl alcohol
Concen: 3.942 ug/l
RT: 2.84 min Scan# 518
Delta R.T. 0.01 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_U
ClientSampled :

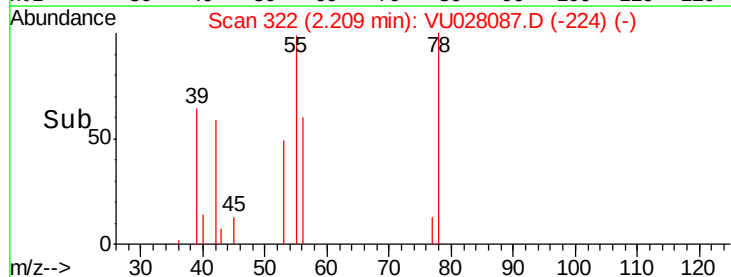
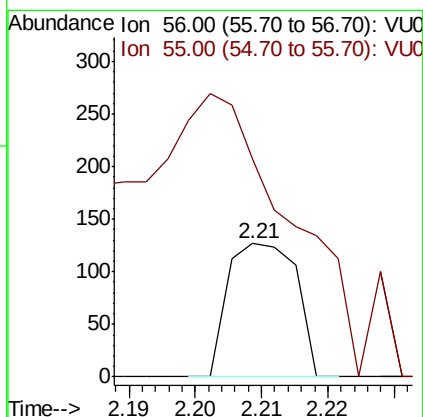
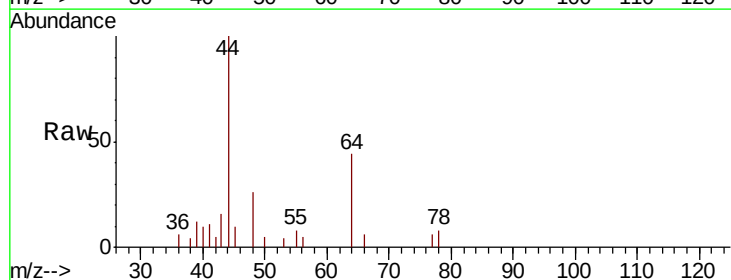
Tot Ion: 59 Resp: 3562
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.8#

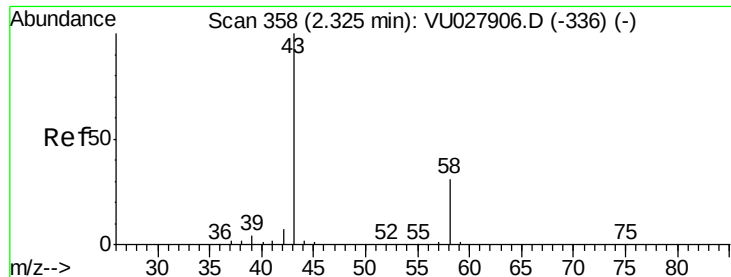


#13

Acrolein
Concen: Below Cal
RT: 2.21 min Scan# 322
Delta R.T. 0.01 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 389.0 56.2 84.4#





#16

Acetone

Concen: 12.390 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_U

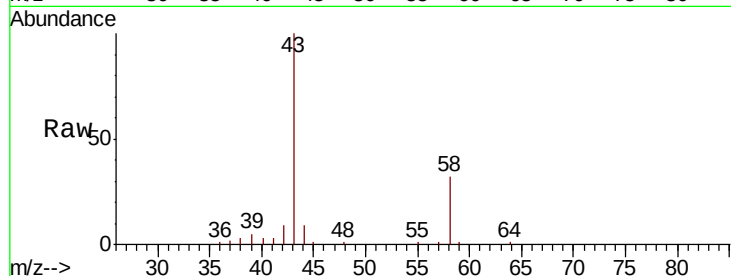
ClientSampleId :

Tot Ion: 43 Resp: 26240

Ion Ratio Lower Upper

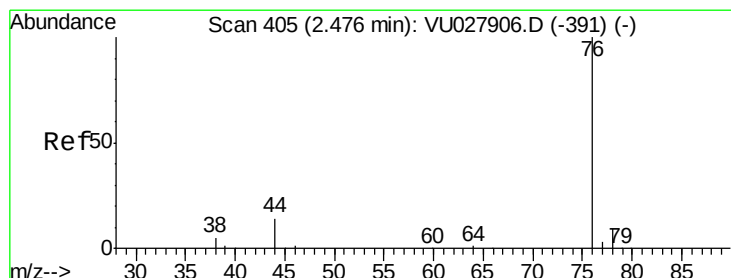
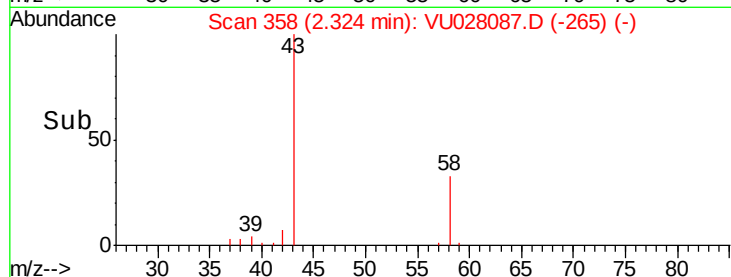
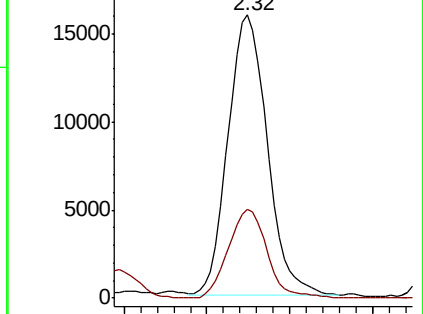
43 100

58 31.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028087.D (-265) (-)

Ion 58.00 (57.70 to 58.70): VU028087.D (-265) (-)



#17

Carbon Disulfide

Concen: 0.535 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028087.D

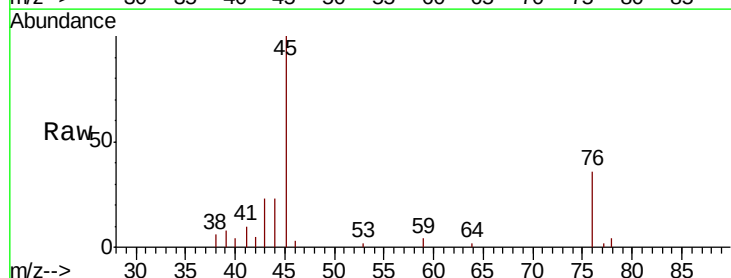
Acq: 13 Nov 2018 13:17

Tgt Ion: 76 Resp: 4210

Ion Ratio Lower Upper

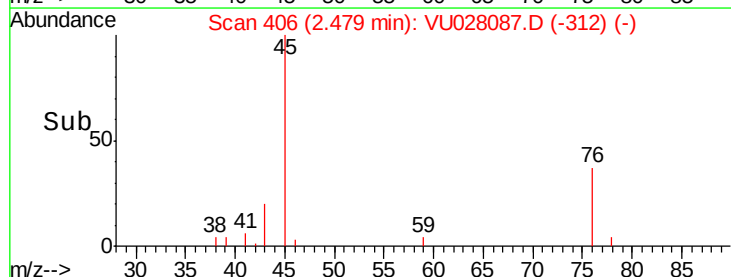
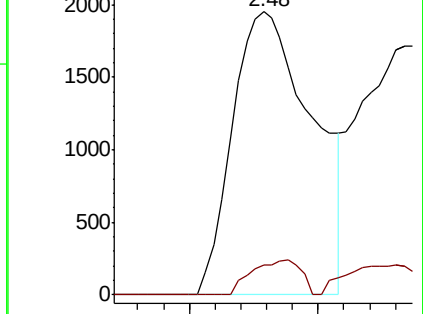
76 100

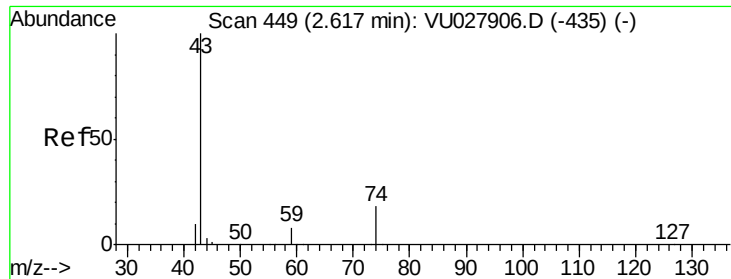
78 10.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VU028087.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU028087.D (-312) (-)

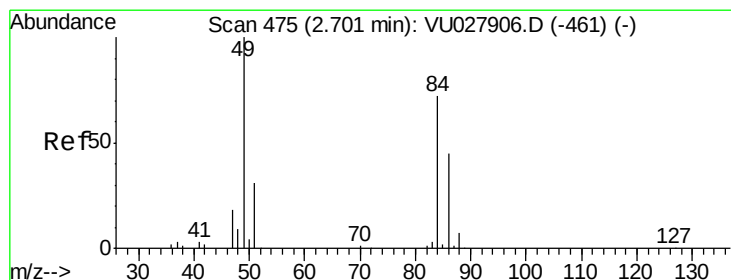
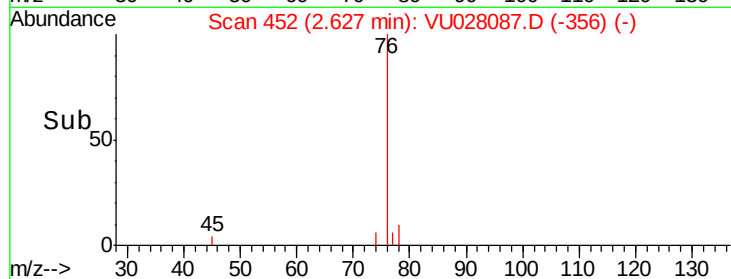
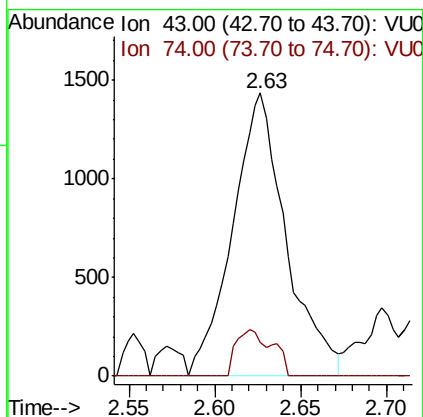
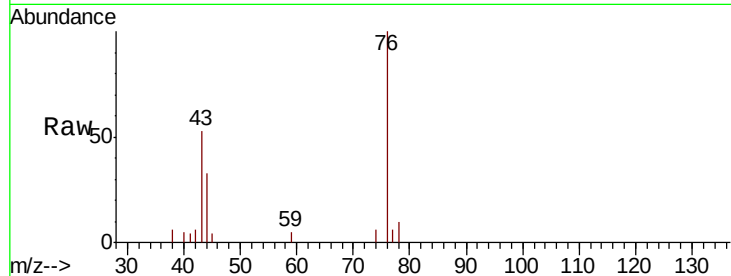




#18
Methyl Acetate
Concen: 0.534 ug/l
RT: 2.63 min Scan# 452
Delta R.T. 0.01 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

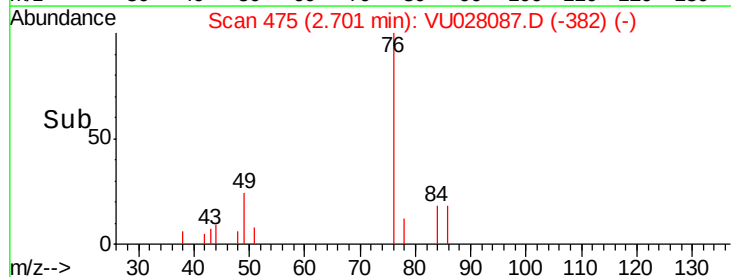
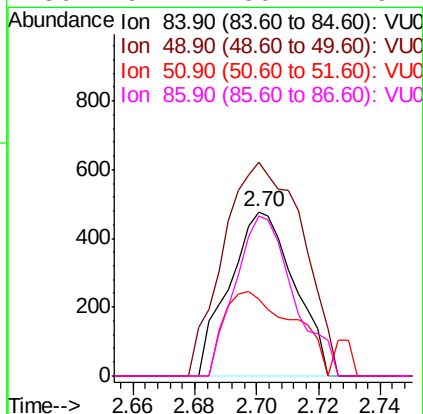
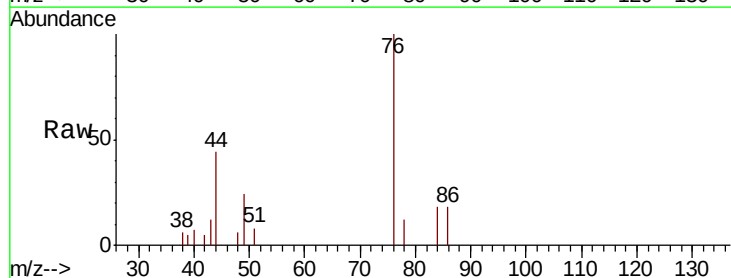
Instrument :
MSVOA_U
ClientSampleId :

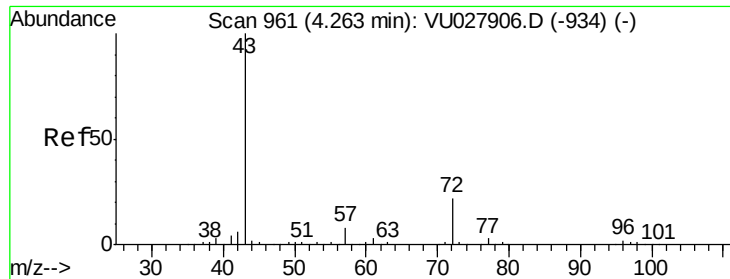
Tot Ion: 43 Resp: 3112
Ion Ratio Lower Upper
43 100
74 11.0 14.9 22.3#



#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Tgt Ion: 84 Resp: 695
Ion Ratio Lower Upper
84 100
49 129.9 111.6 167.4
51 46.7 34.8 52.2
86 97.1 50.1 75.1#





#25

2-Butanone

Concen: 27.046 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

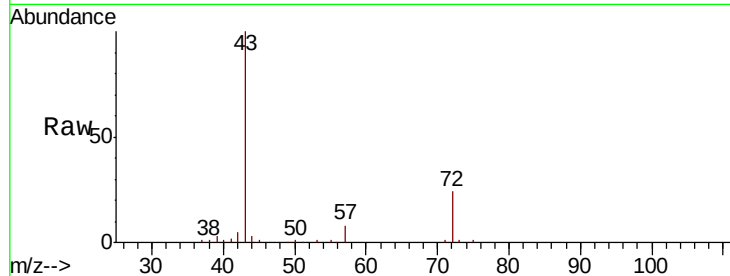
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 91121

Ion Ratio Lower Upper

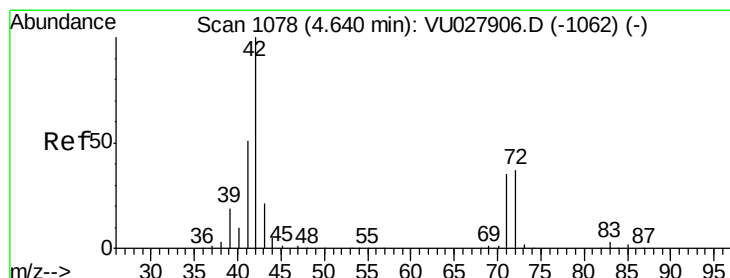
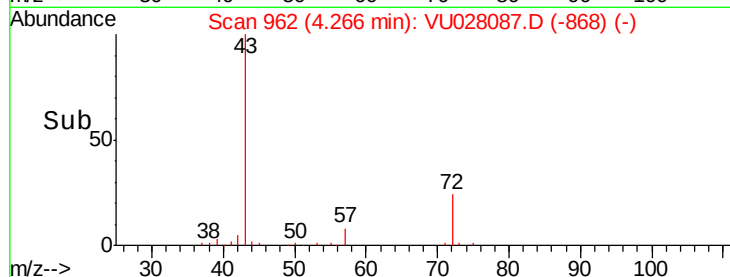
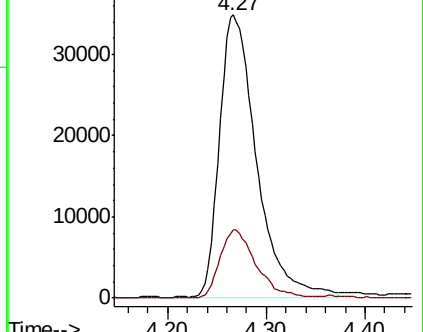
43 100

72 24.3 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-934) (-)

Ion 72.00 (71.70 to 72.70): VU027906.D (-934) (-)



#29

Tetrahydrofuran

Concen: 0.685 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

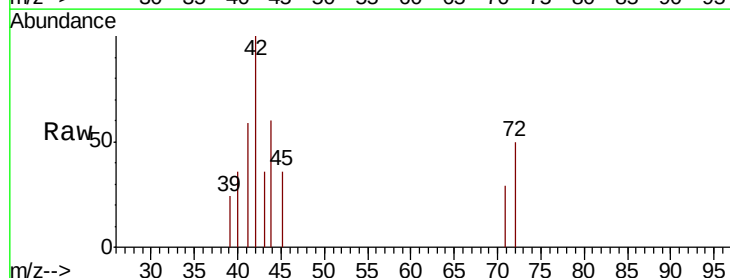
Tgt Ion: 42 Resp: 1541

Ion Ratio Lower Upper

42 100

72 46.5 29.4 44.0#

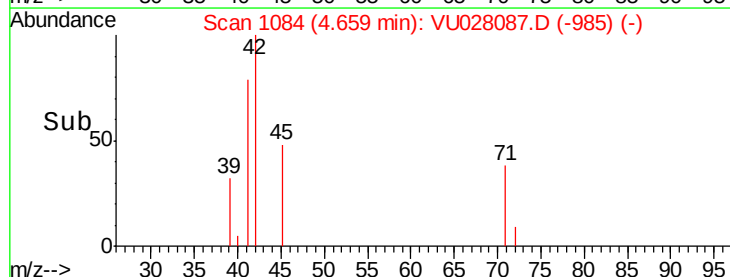
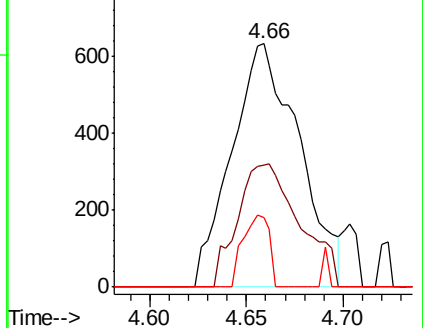
71 11.5 27.9 41.9#

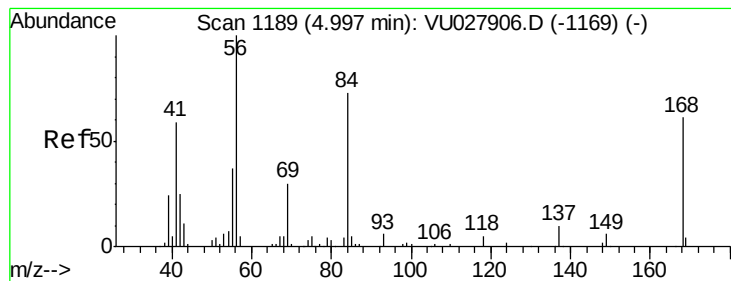


Abundance Ion 42.00 (41.70 to 42.70): VU027906.D (-1062) (-)

Ion 72.00 (71.70 to 72.70): VU027906.D (-1062) (-)

Ion 71.00 (70.70 to 71.70): VU027906.D (-1062) (-)





#31

Cyclohexane

Concen: 0.442 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_U
ClientSampleId :

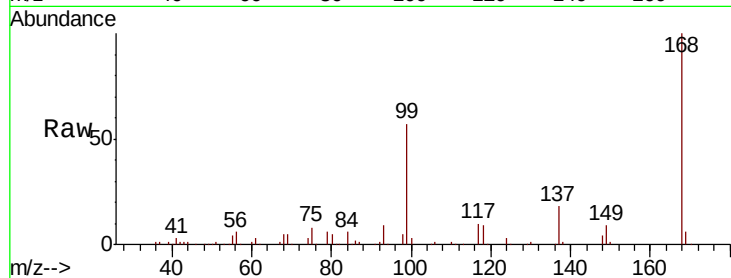
Tot Ion: 56 Resp: 12559

Ion Ratio Lower Upper

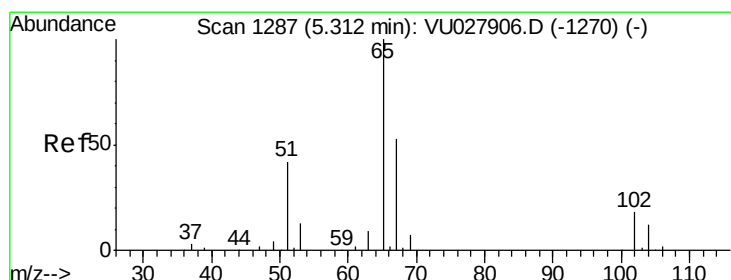
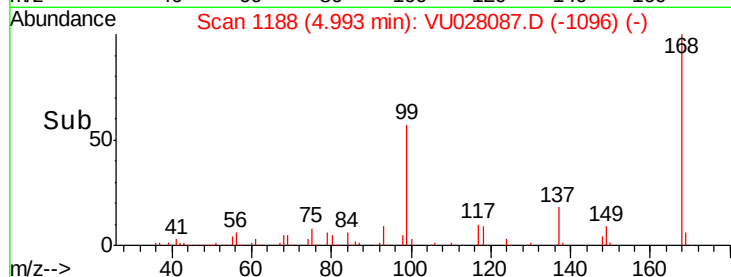
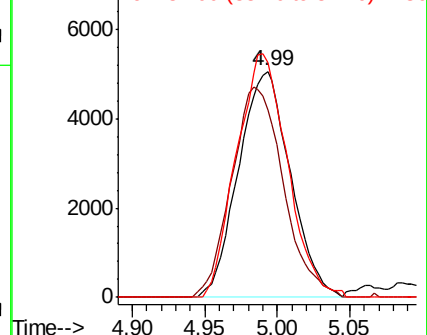
56 100

69 83.0 23.7 35.5#

84 104.0 58.2 87.4#



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



#33

1,2-Dichloroethane-d4

Concen: 53.125 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU028087.D

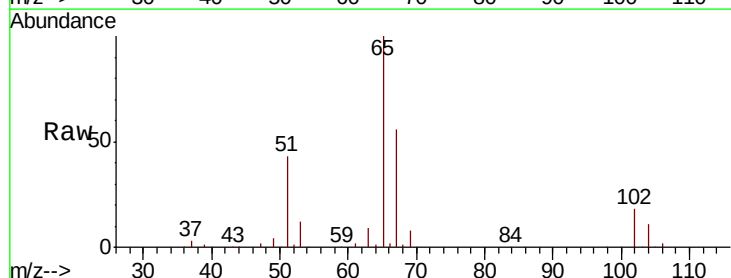
Acq: 13 Nov 2018 13:17

Tgt Ion: 65 Resp: 181334

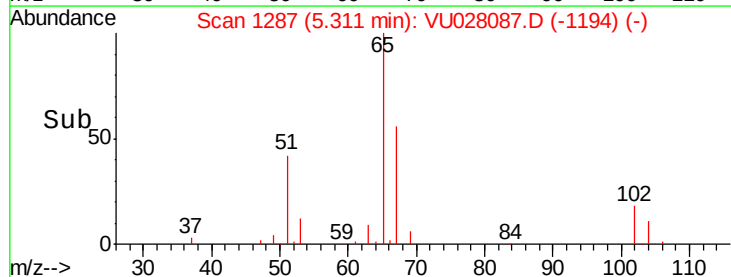
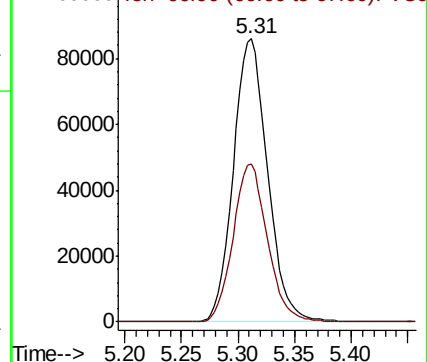
Ion Ratio Lower Upper

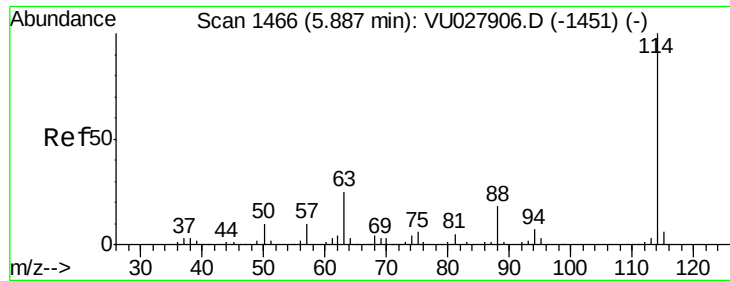
65 100

67 55.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_U
ClientSampled :

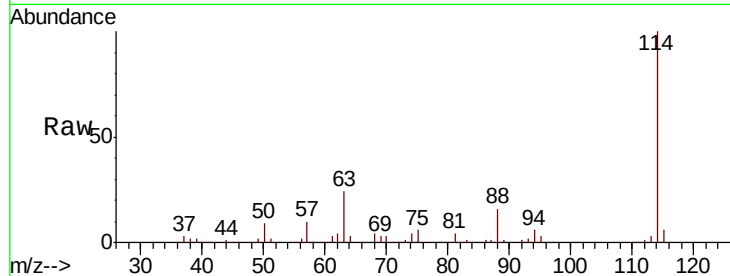
Tot Ion:114 Resp: 426836

Ion Ratio Lower Upper

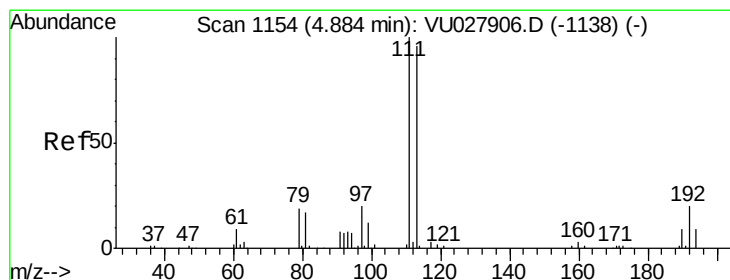
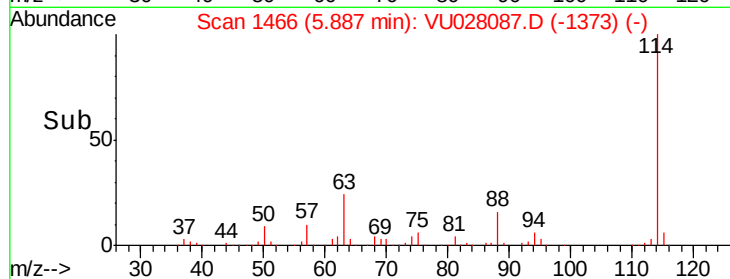
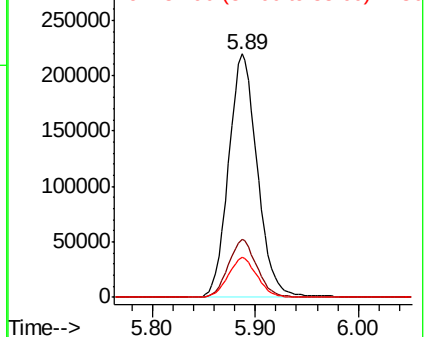
114 100

63 23.7 0.0 50.8

88 16.4 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 51.698 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

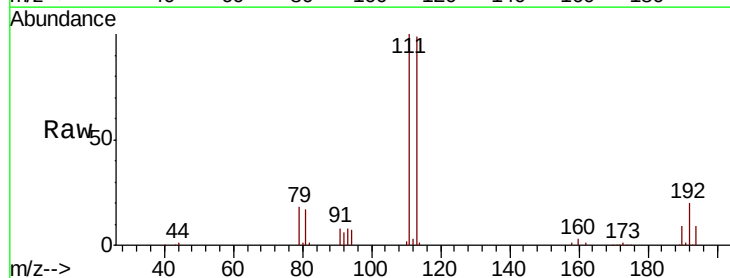
Tgt Ion:113 Resp: 139132

Ion Ratio Lower Upper

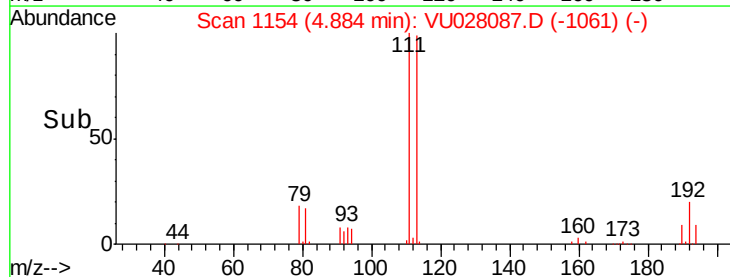
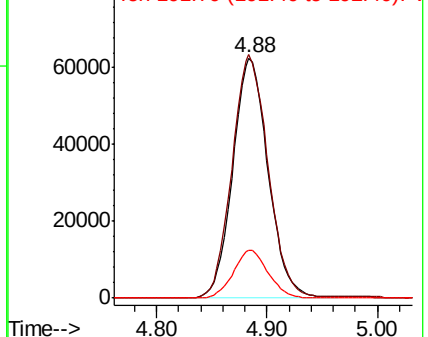
113 100

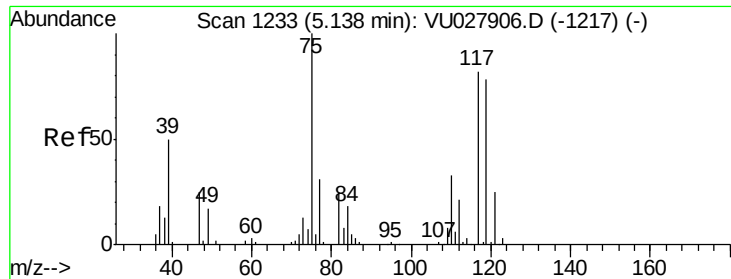
111 103.1 83.0 124.6

192 19.7 15.6 23.4



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

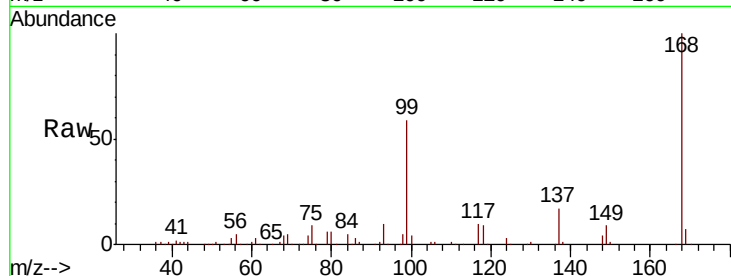




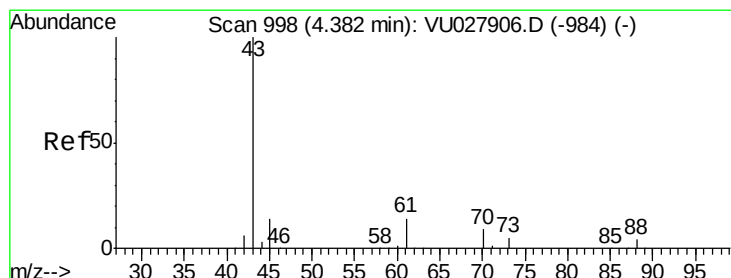
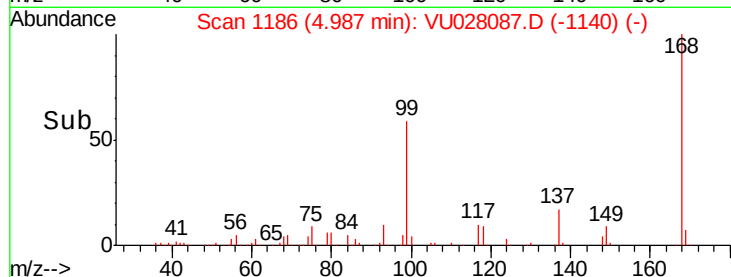
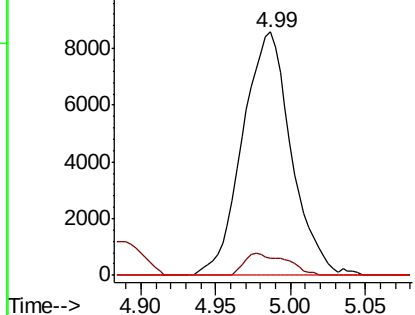
#36
 1,1-Dichloropropene
 Concen: 4.340 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028087.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	75	Resp	19400
Ion Ratio	Lower	Upper	
75	100		
110	8.0	16.5	49.5#
77	0.0	24.9	37.3#

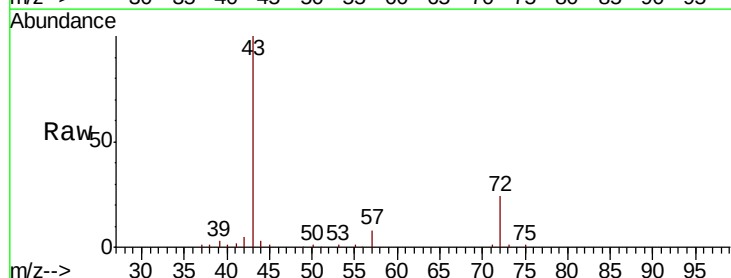


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

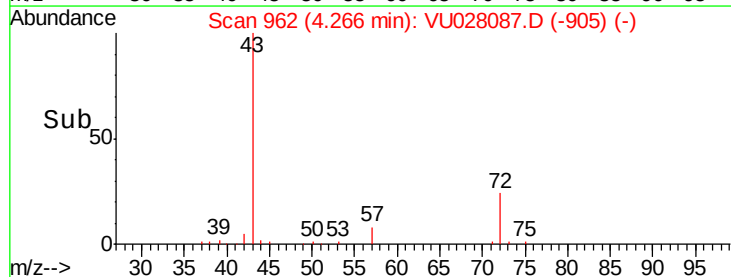
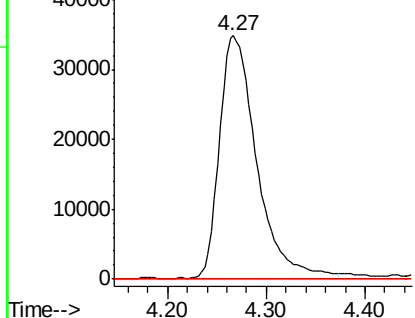


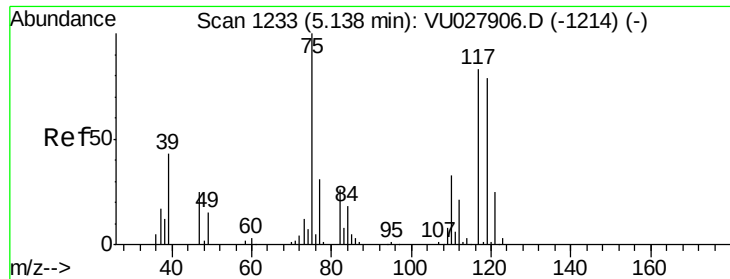
#37
 Ethyl Acetate
 Concen: 13.911 ug/l
 RT: 4.27 min Scan# 962
 Delta R.T. -0.12 min
 Lab File: VU028087.D
 Acq: 13 Nov 2018 13:17

Tgt Ion	43	Resp	91121
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.3	15.5#
70	0.0	7.0	10.6#



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

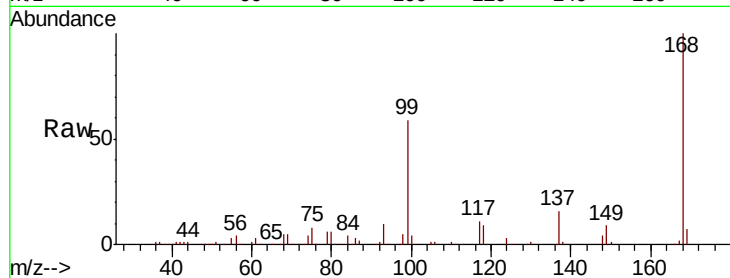




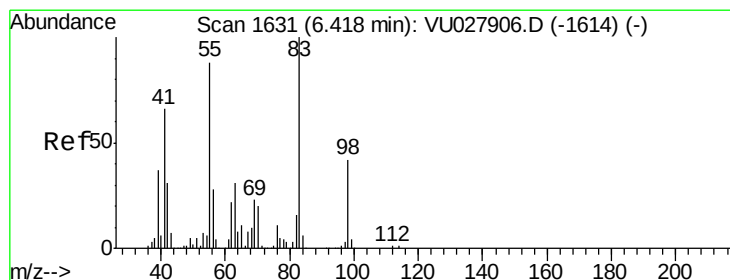
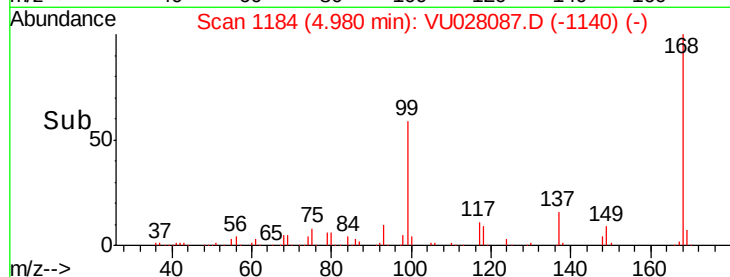
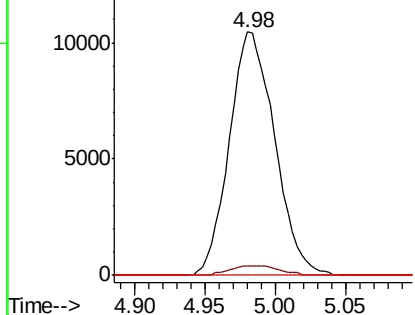
#38
Carbon Tetrachloride
Concen: 5.940 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 23531
Ion Ratio Lower Upper
117 100
119 3.9 76.0 114.0#
121 0.0 24.5 36.7#

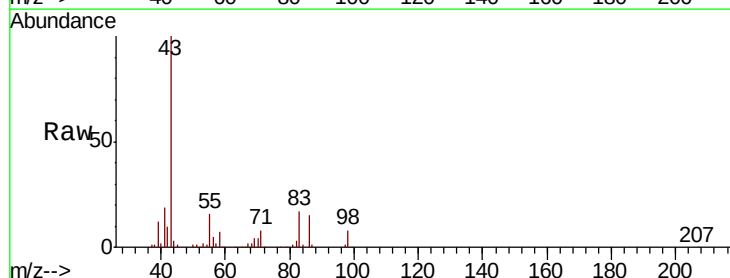


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

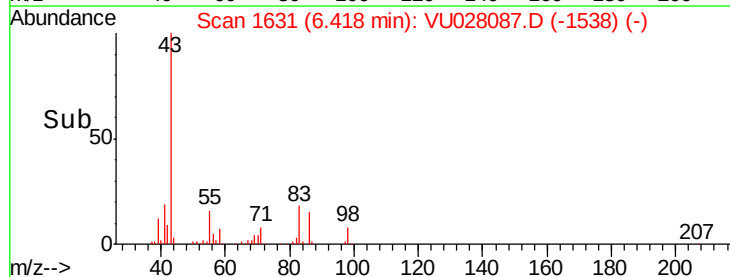
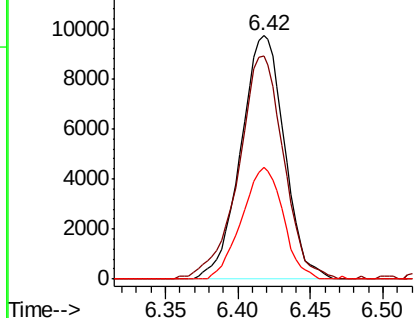


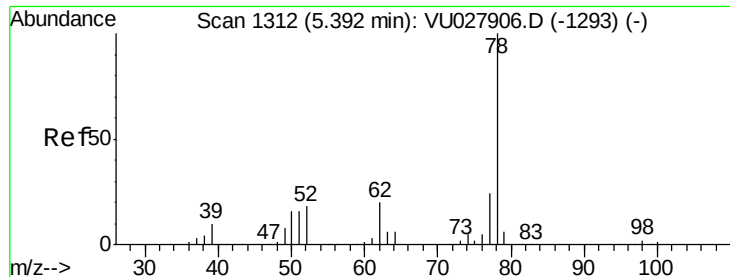
#39
Methylcyclohexane
Concen: 3.771 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Tgt Ion: 83 Resp: 20330
Ion Ratio Lower Upper
83 100
55 91.8 70.3 105.5
98 45.8 34.0 51.0



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: 0.803 ug/l

RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

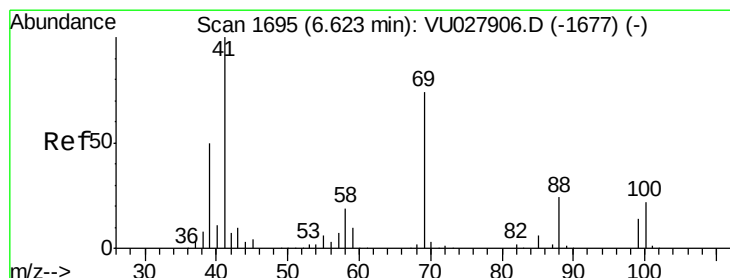
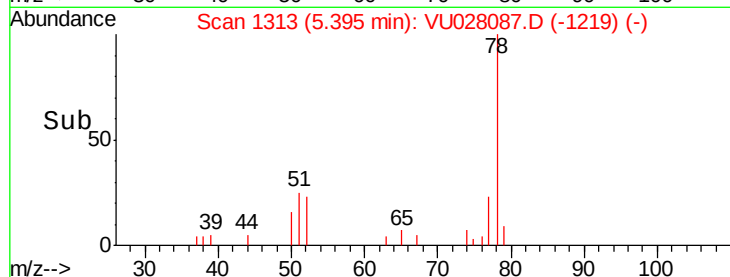
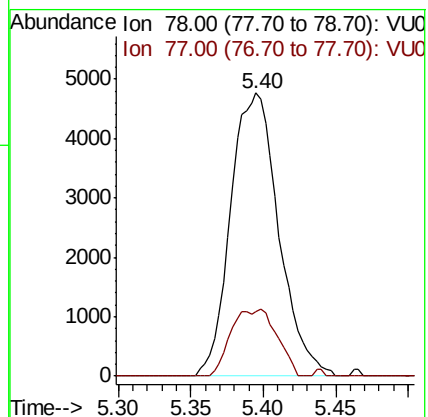
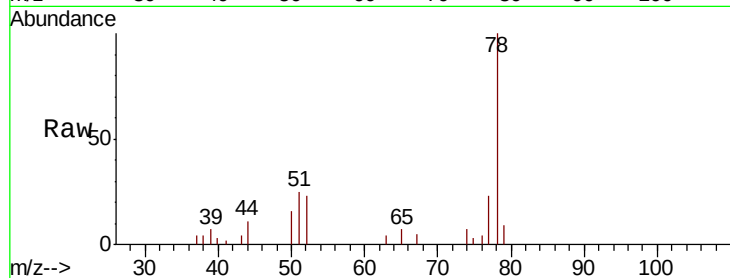
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 10973

Ion Ratio Lower Upper

78 100

77 22.9 19.3 28.9



#48

Methyl methacrylate

Concen: 0.209 ug/l

RT: 6.64 min Scan# 1701

Delta R.T. 0.02 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

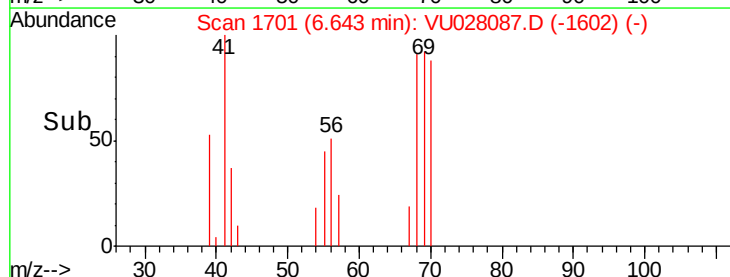
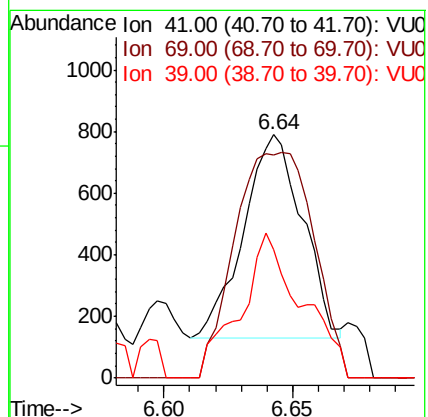
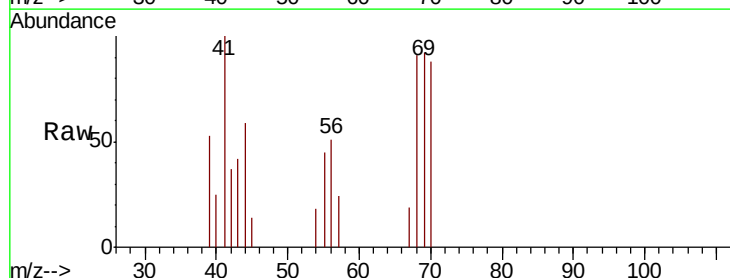
Tgt Ion: 41 Resp: 1051

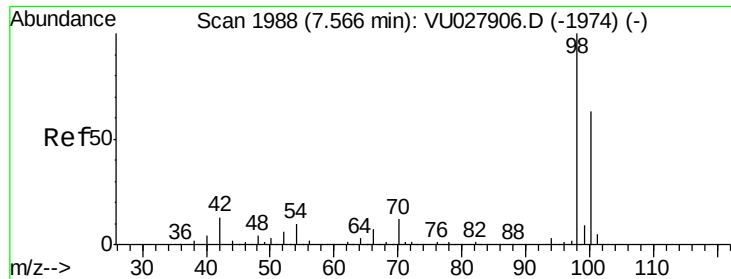
Ion Ratio Lower Upper

41 100

69 148.8 59.8 89.8#

39 74.1 40.0 60.0#

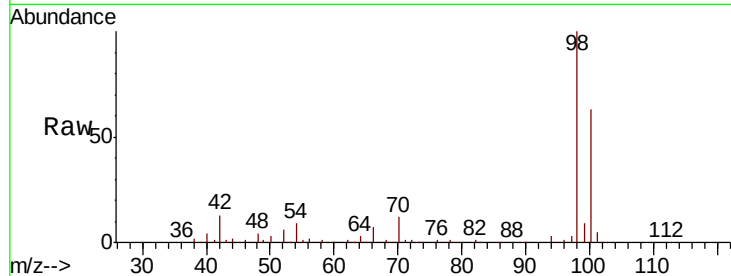




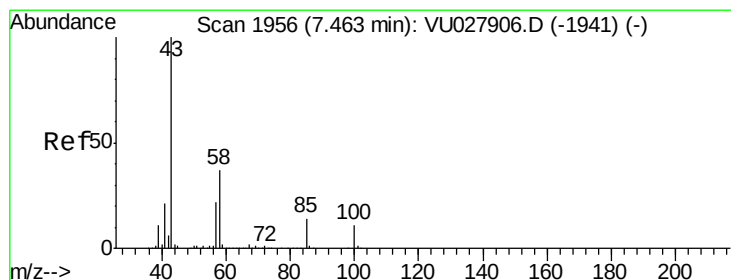
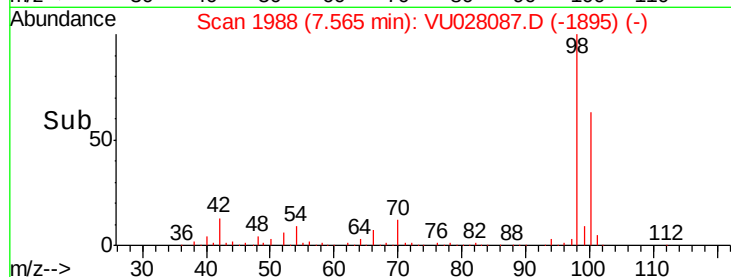
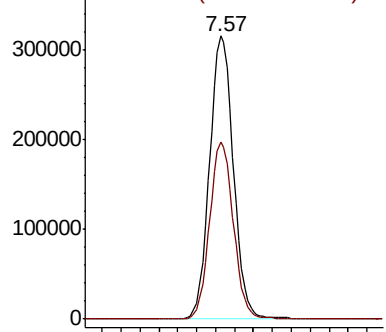
#50
Toluene-d8
Concen: 53.097 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 98 Resp: 552008
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1

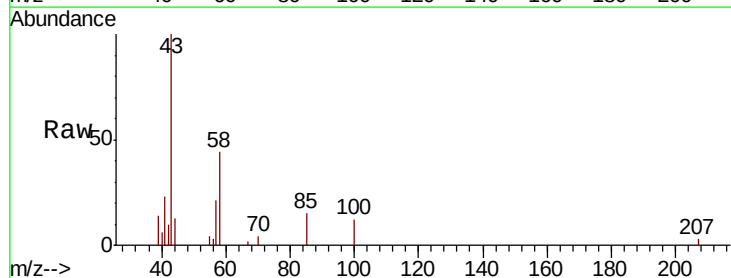


Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)
Ion 100.00 (99.70 to 100.70): VU028087.D (-1895) (-)

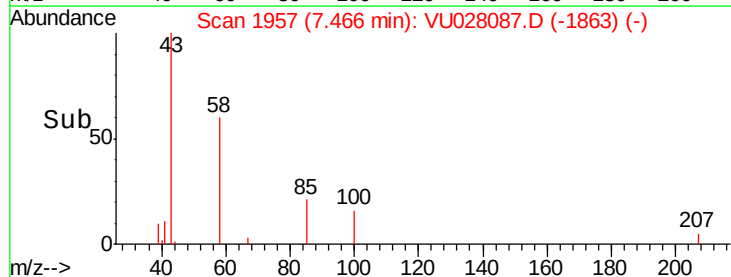
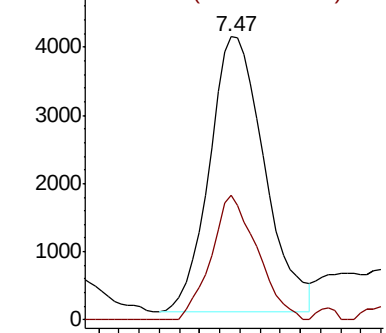


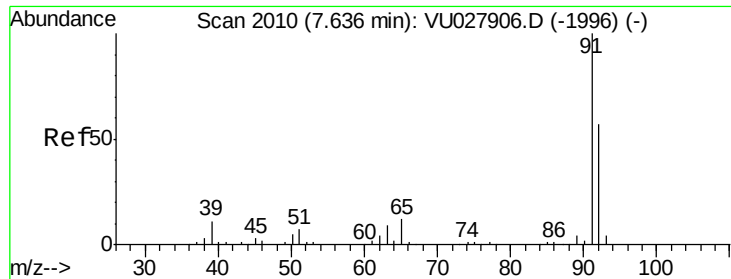
#51
4-Methyl-2-Pentanone
Concen: 1.123 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Tgt Ion: 43 Resp: 7696
Ion Ratio Lower Upper
43 100
58 38.1 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)
Ion 58.00 (57.70 to 58.70): VU028087.D (-1863) (-)





#52

Toluene

Concen: 0.260 ug/l

RT: 7.65 min Scan# 2013

Delta R.T. 0.01 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

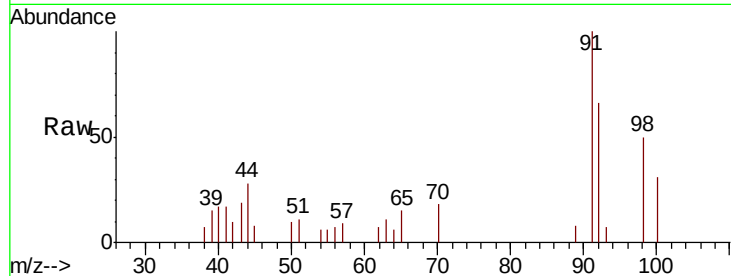
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 92 Resp: 2086

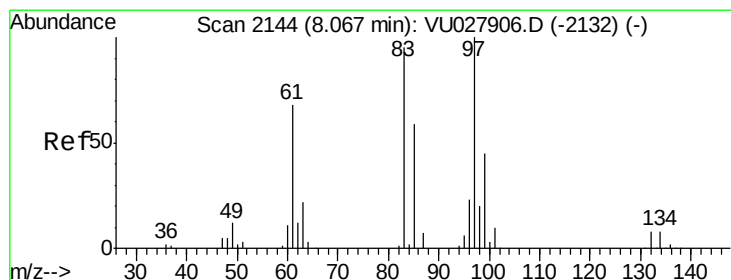
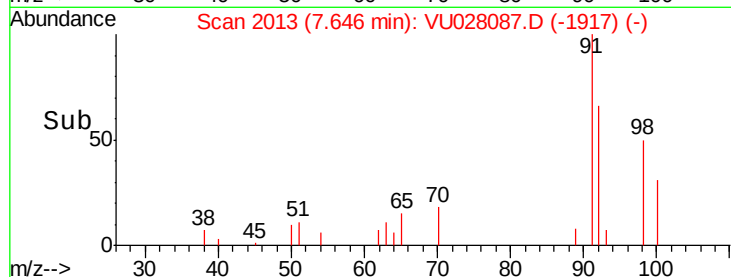
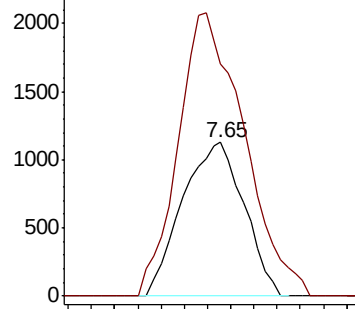
Ion Ratio Lower Upper

92 100

91 196.3 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU0
Ion 91.00 (90.70 to 91.70): VU0



#55

1,1,2-Trichloroethane

Concen: 1.534 ug/l

RT: 8.05 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Tgt Ion: 97 Resp: 5016

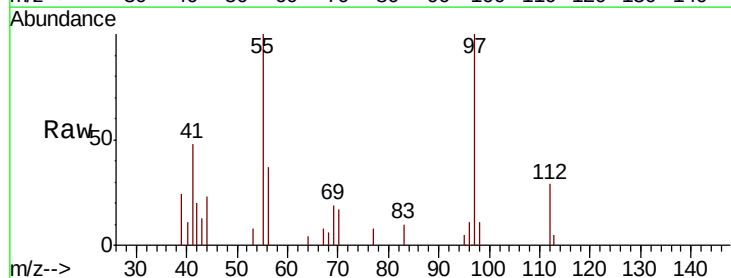
Ion Ratio Lower Upper

97 100

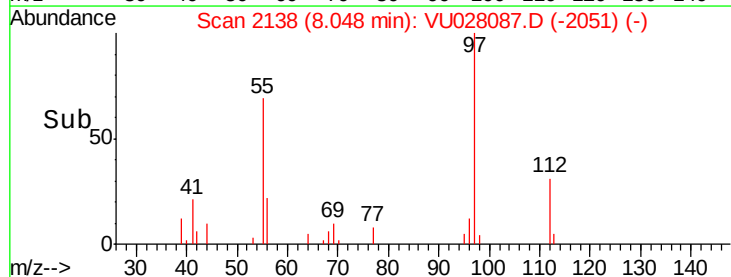
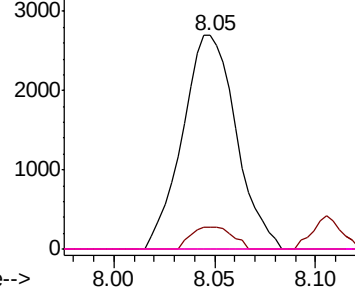
83 10.3 76.1 114.1#

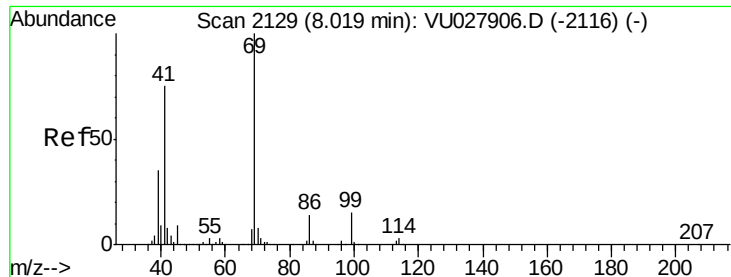
85 0.0 48.9 73.3#

99 0.0 52.0 78.0#



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

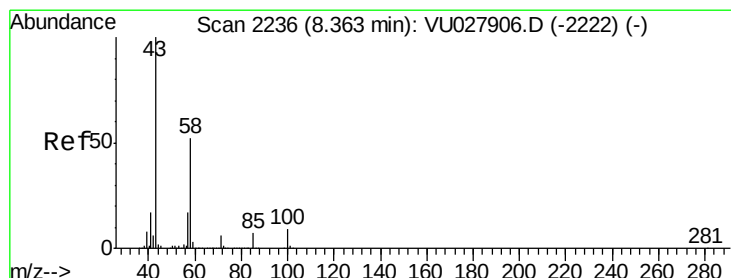
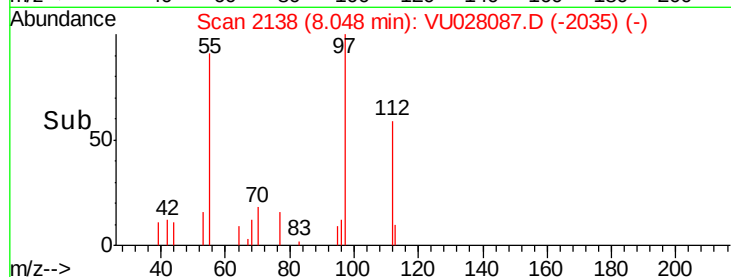
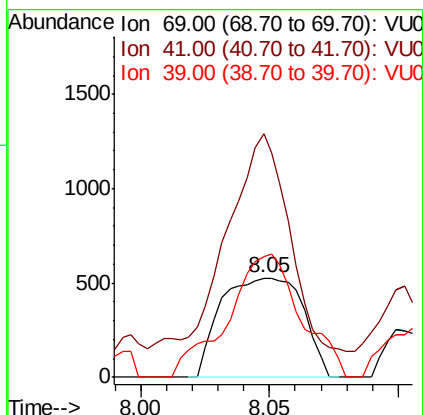
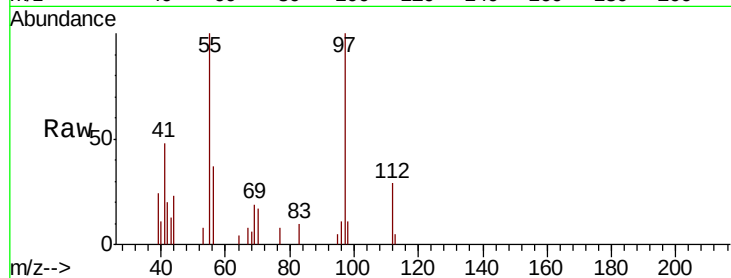




#56
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 8.05 min Scan# 2138
Delta R.T. 0.03 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

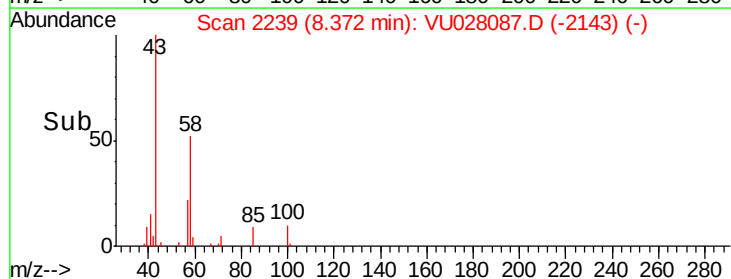
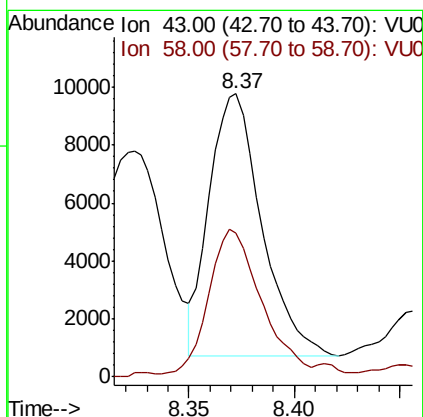
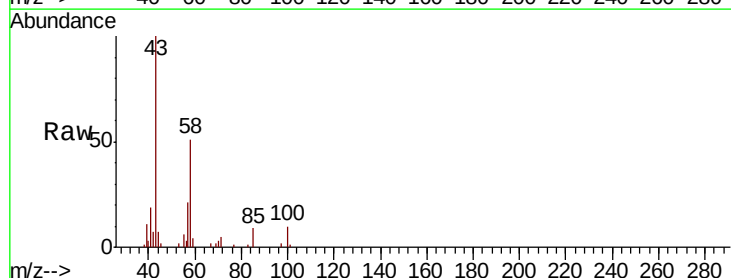
Instrument :
MSVOA_U
ClientSampleId :

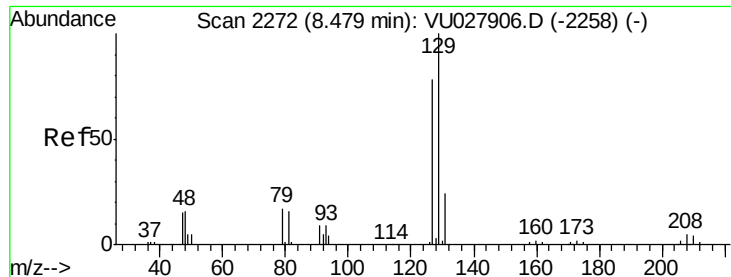
Tot Ion: 69 Resp: 1167
Ion Ratio Lower Upper
69 100
41 163.7 59.8 89.6#
39 110.7 28.6 42.8#



#59
2-Hexanone
Concen: 2.959 ug/l
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Tgt Ion: 43 Resp: 15684
Ion Ratio Lower Upper
43 100
58 53.9 25.8 77.3





#60

Dibromochloromethane

Concen: 0.376 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_U

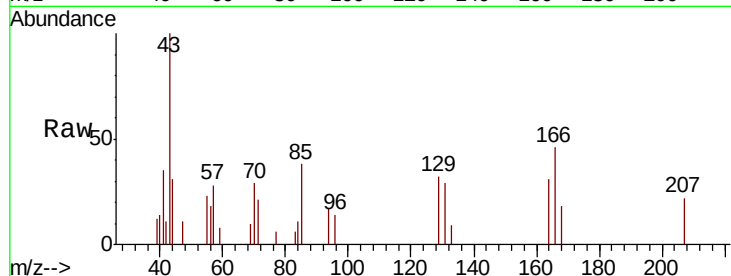
ClientSampleId :

Tot Ion:129 Resp: 1164

Ion Ratio Lower Upper

129 100

127 0.0 39.2 117.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.23

600

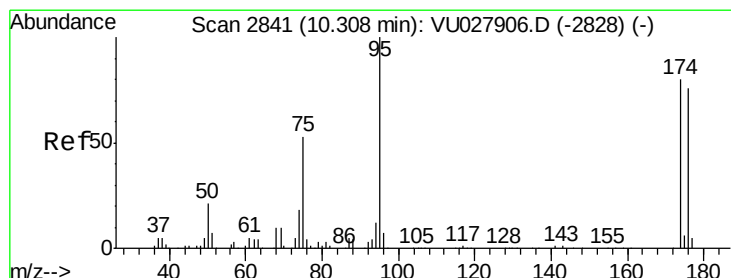
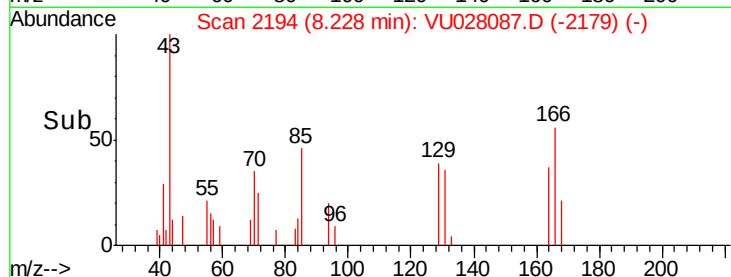
400

200

0

8.20 8.25

Time-->



#62

4-Bromofluorobenzene

Concen: 48.998 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

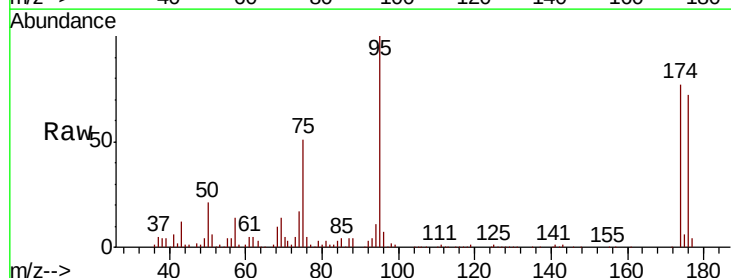
Tgt Ion: 95 Resp: 187886

Ion Ratio Lower Upper

95 100

174 75.5 0.0 156.4

176 72.5 0.0 150.8



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

150000

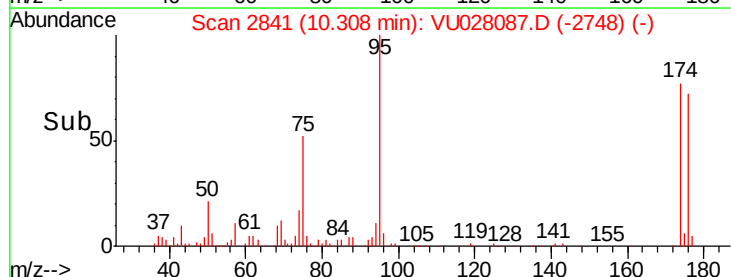
100000

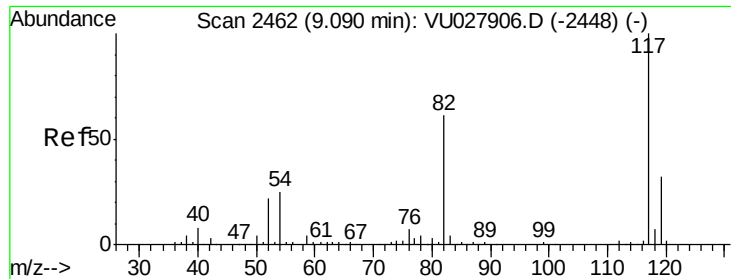
50000

0

10.25 10.30 10.35

Time-->

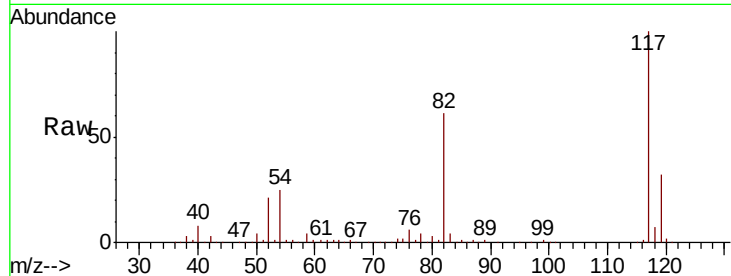




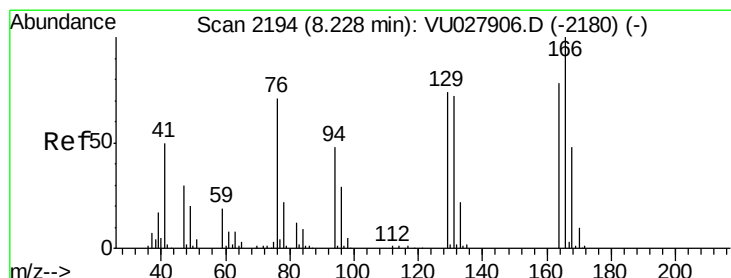
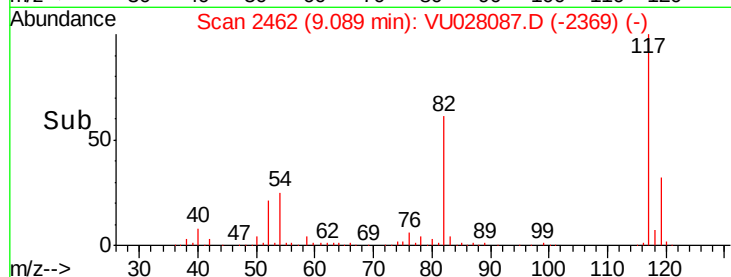
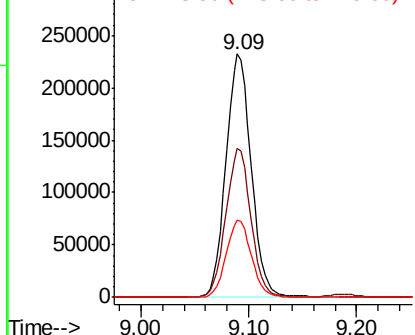
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 379719
Ion Ratio Lower Upper
117 100
82 60.9 48.6 73.0
119 31.9 25.8 38.8

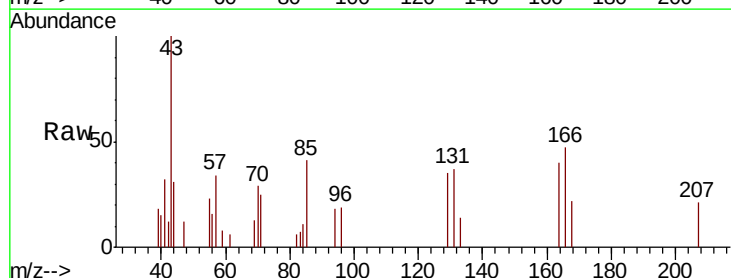


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

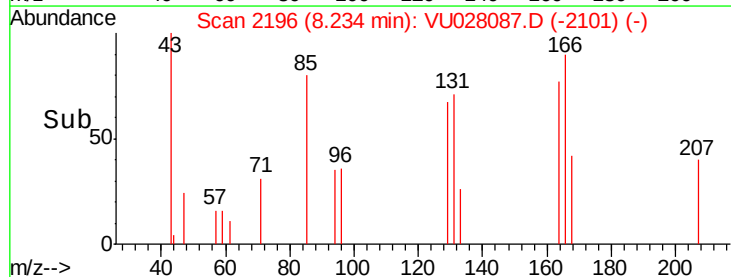
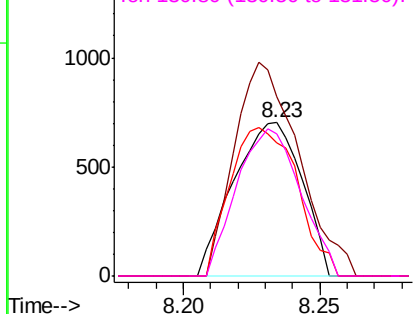


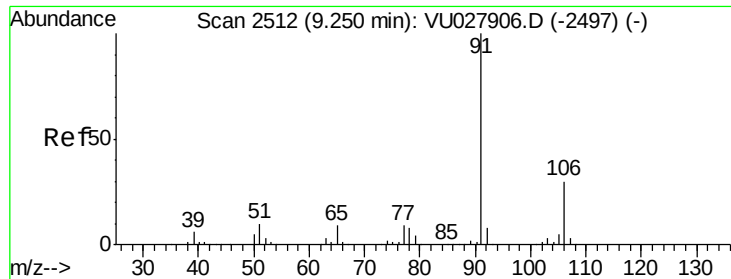
#64
Tetrachloroethene
Concen: 0.498 ug/l
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Tgt Ion:164 Resp: 1227
Ion Ratio Lower Upper
164 100
166 117.1 102.1 153.1
129 86.9 75.9 113.9
131 93.2 73.0 109.6



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

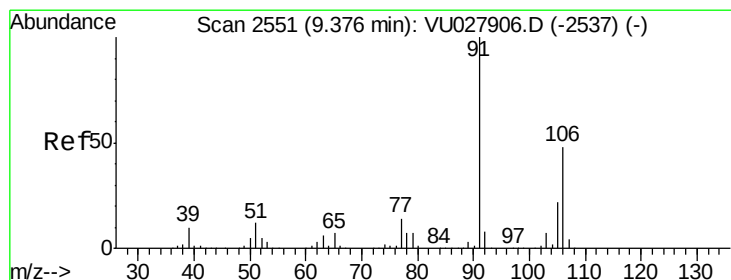
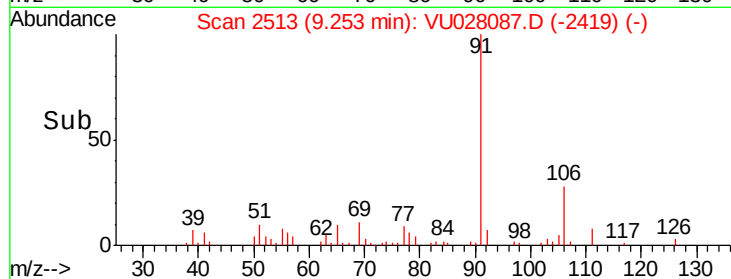
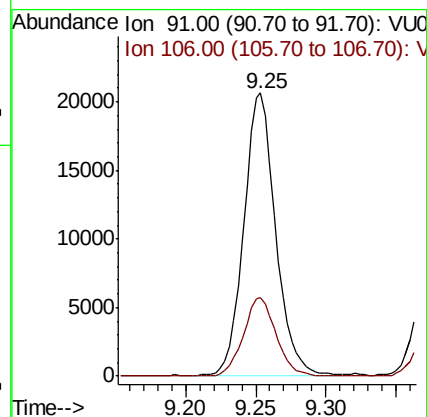
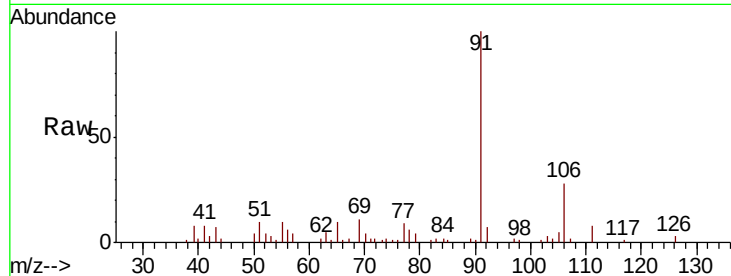




#67
Ethyl Benzene
Concen: 2.218 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

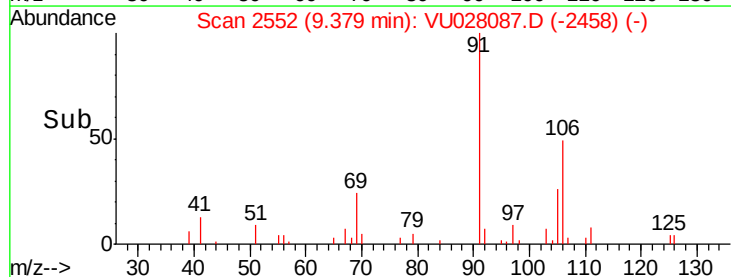
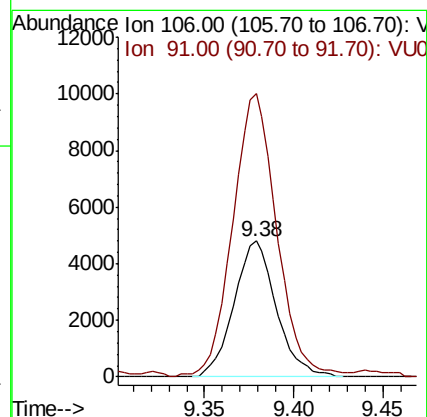
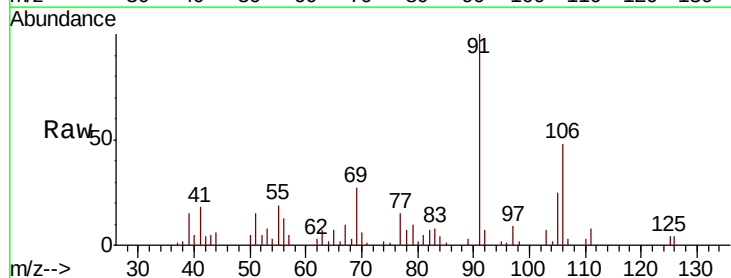
Instrument :
MSVOA_U
ClientSampled :

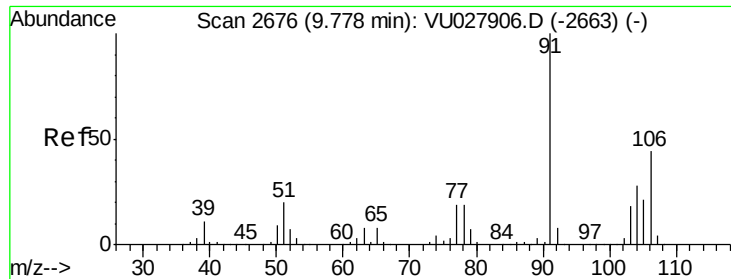
Tot Ion: 91 Resp: 32755
Ion Ratio Lower Upper
91 100
106 28.0 23.6 35.4



#68
m/p-Xylenes
Concen: 1.475 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Tgt Ion: 106 Resp: 7903
Ion Ratio Lower Upper
106 100
91 218.2 168.2 252.4

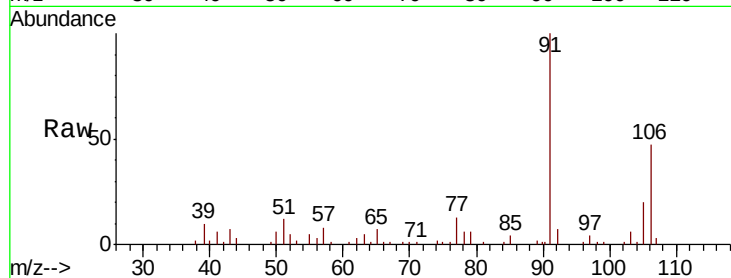




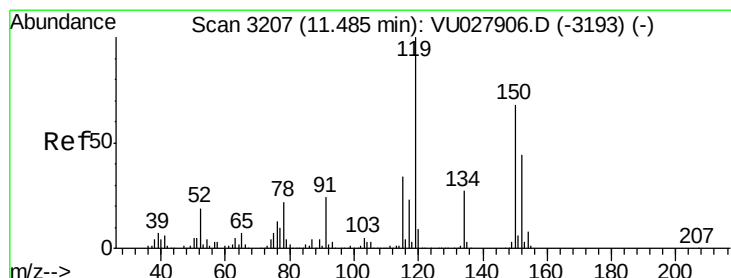
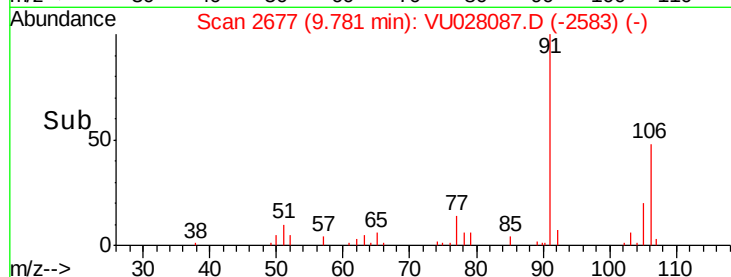
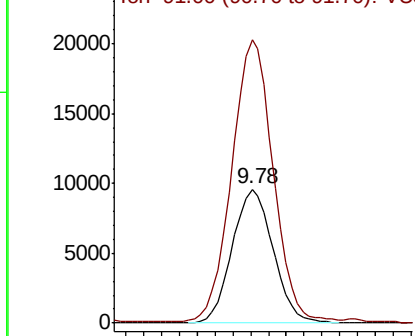
#69
o-Xylene
Concen: 2.825 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 15284
Ion Ratio Lower Upper
106 100
91 210.8 111.1 333.4

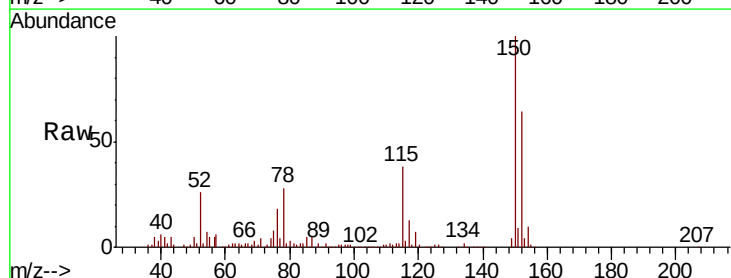


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

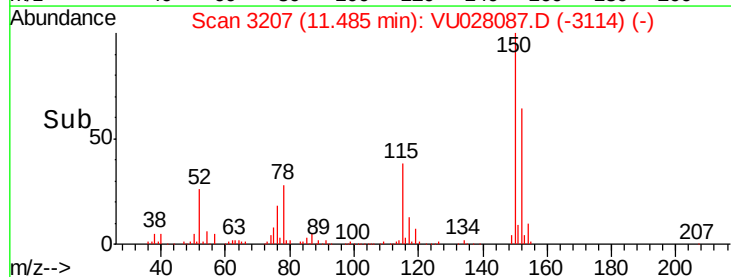
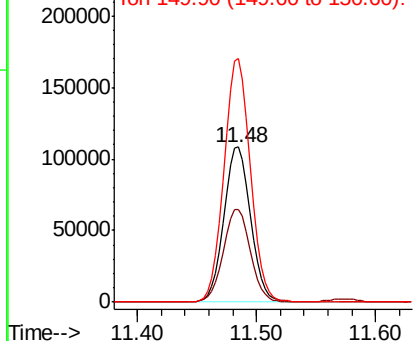


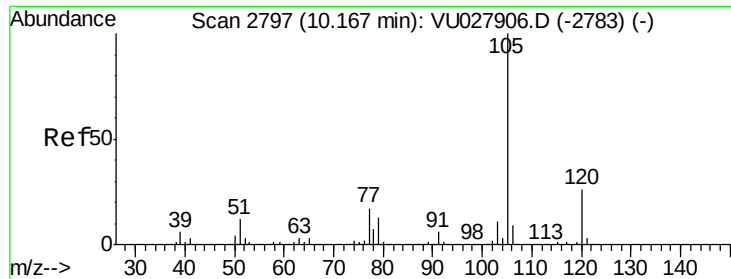
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU028087.D
Acq: 13 Nov 2018 13:17

Tgt Ion:152 Resp: 167906
Ion Ratio Lower Upper
152 100
115 60.4 43.0 129.0
150 155.8 0.0 349.4



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: 13.649 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_U

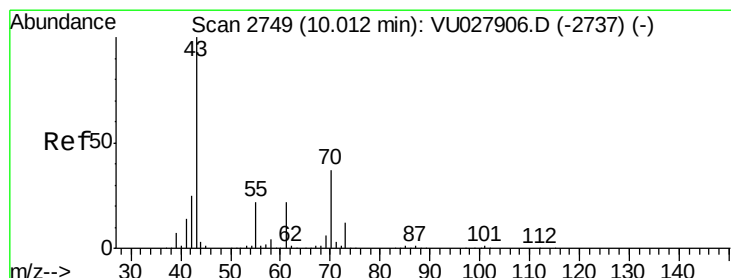
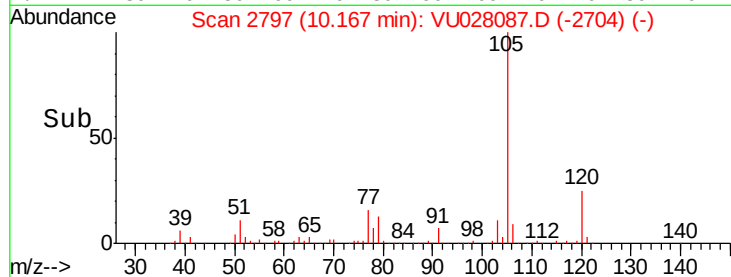
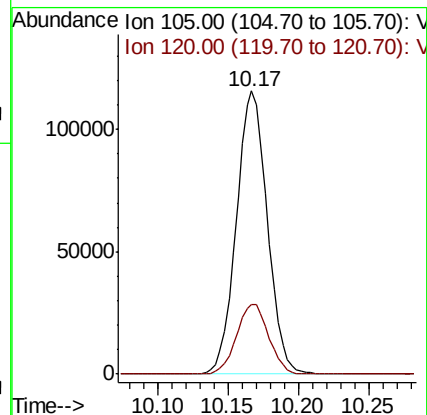
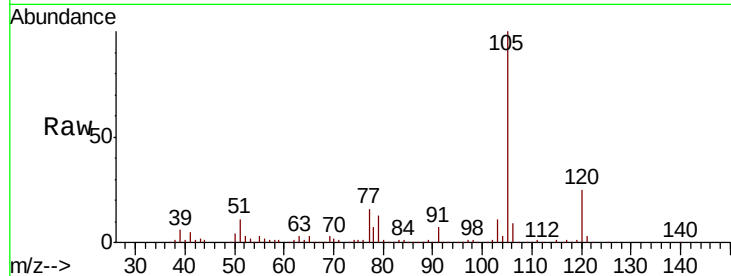
ClientSampleId :

Tot Ion: 105 Resp: 177536

Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0



#74

N-ethyl acetate

Concen: 0.291 ug/l

RT: 10.01 min Scan# 2747

Delta R.T. -0.01 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Tgt Ion: 43 Resp: 2292

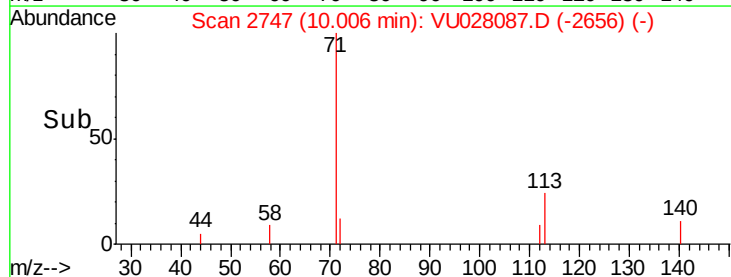
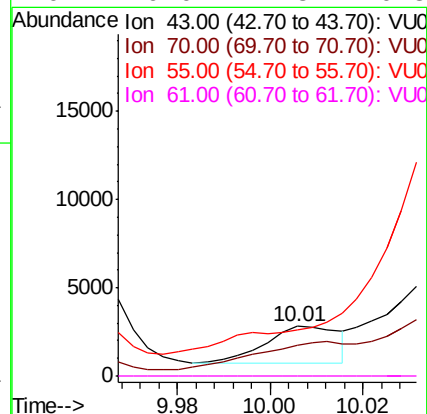
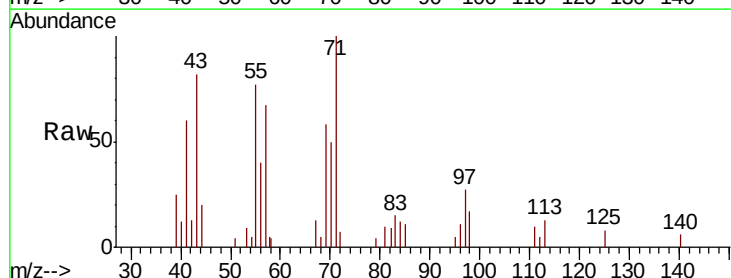
Ion Ratio Lower Upper

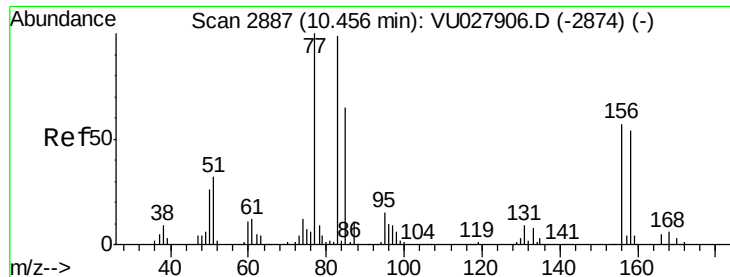
43 100

70 106.0 29.2 43.8#

55 0.0 17.8 26.6#

61 0.0 17.8 26.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.571 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.04 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_U

ClientSampled :

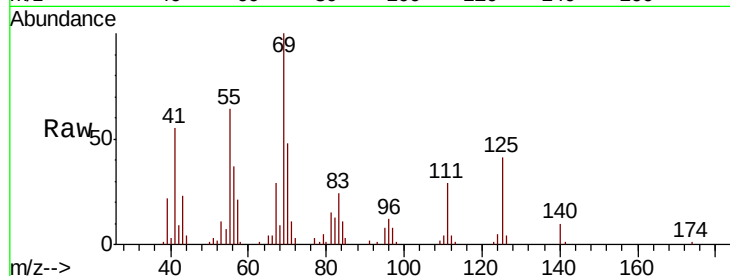
Tot Ion: 83 Resp: 8242

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

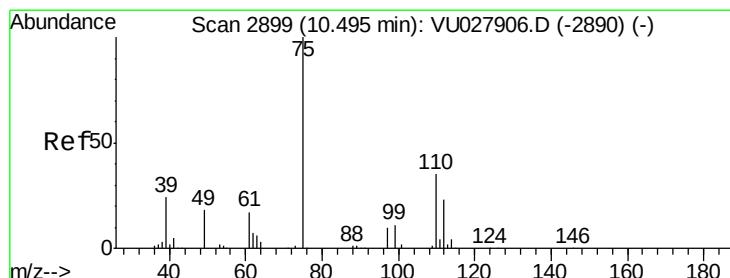
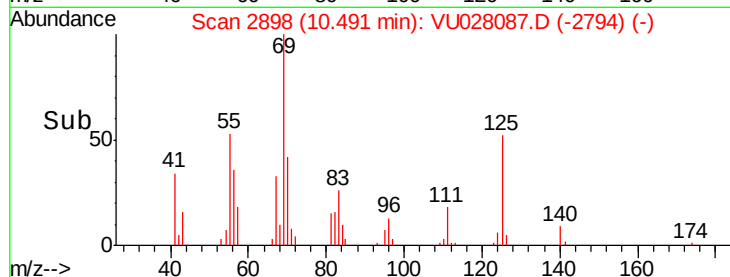
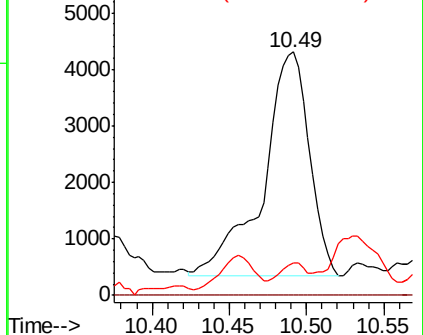
85 7.0 32.4 97.2#



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 21.044 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028087.D

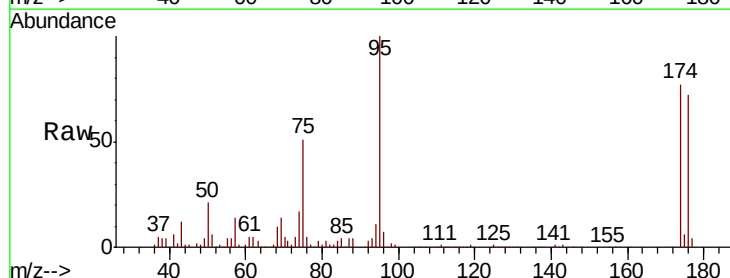
Acq: 13 Nov 2018 13:17

Tgt Ion: 75 Resp: 96651

Ion Ratio Lower Upper

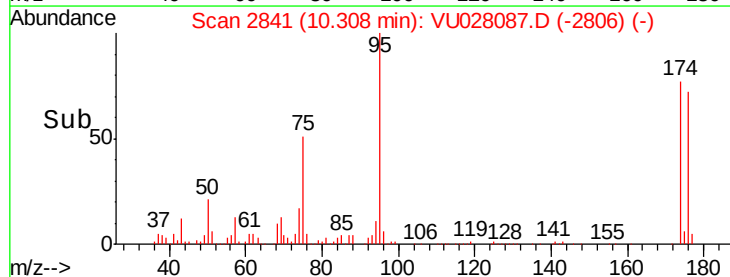
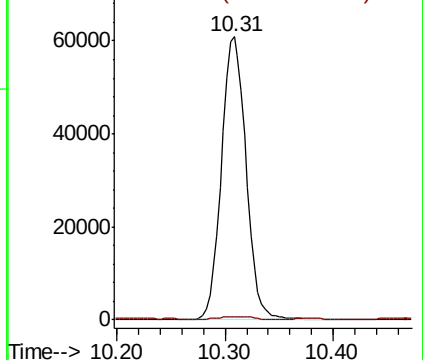
75 100

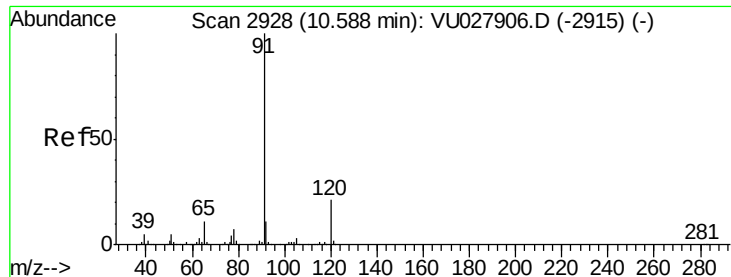
77 1.8 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 19.541 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_U

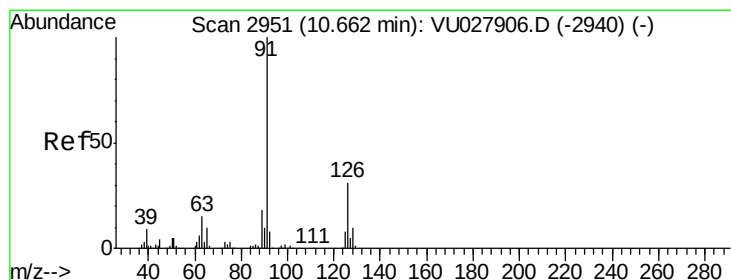
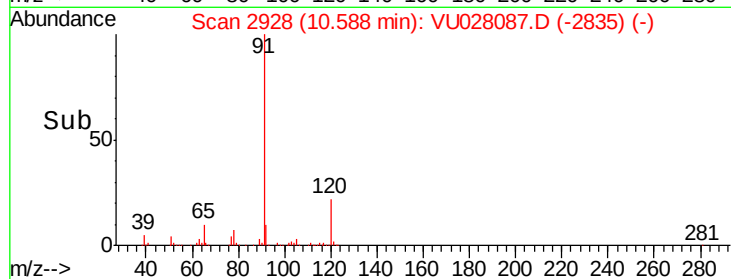
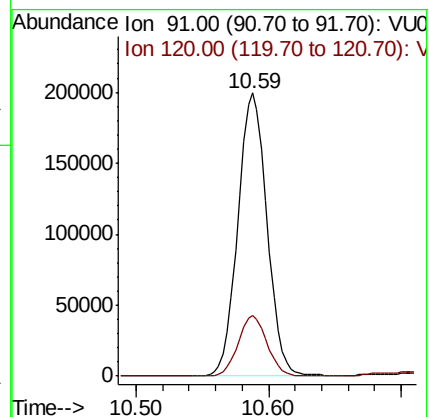
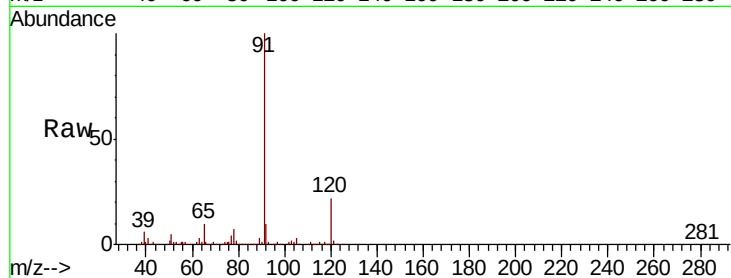
ClientSampleId :

Tot Ion: 91 Resp: 304244

Ion Ratio Lower Upper

91 100

120 21.3 10.6 31.8



#79

2-Chlorotoluene

Concen: 32.600 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.07 min

Lab File: VU028087.D

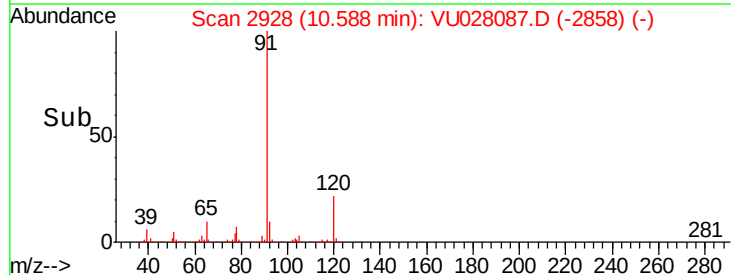
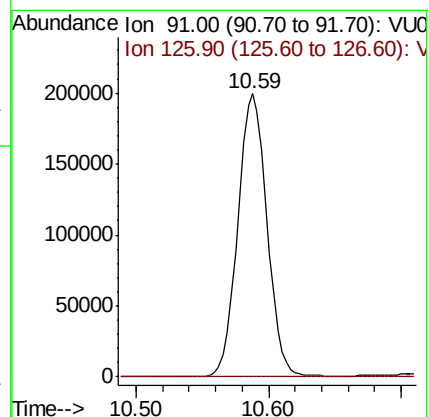
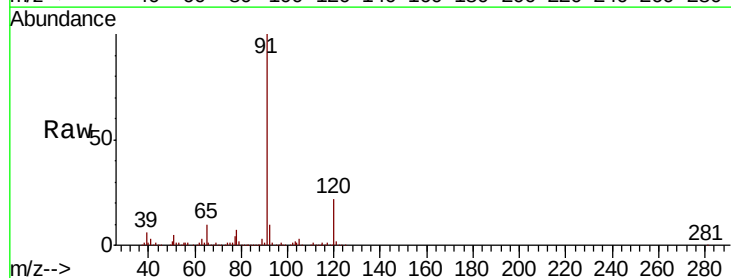
Acq: 13 Nov 2018 13:17

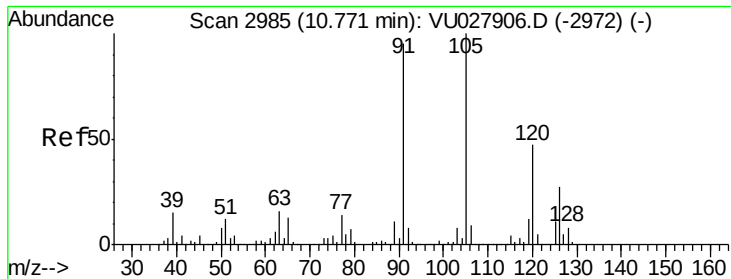
Tgt Ion: 91 Resp: 304244

Ion Ratio Lower Upper

91 100

126 0.0 16.0 47.9#





#80

1,3,5-Trimethylbenzene

Concen: 1.647 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_U

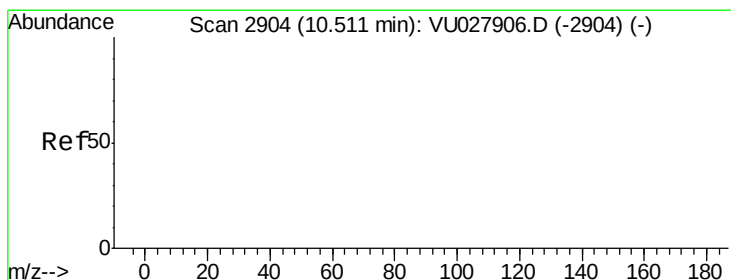
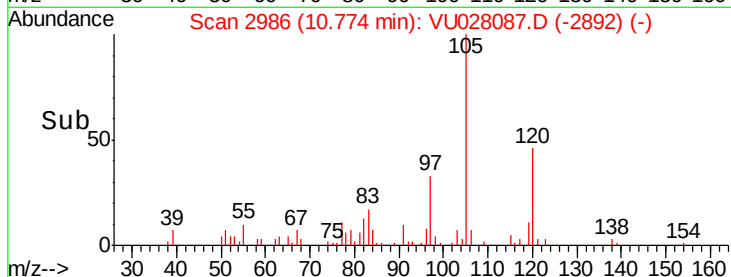
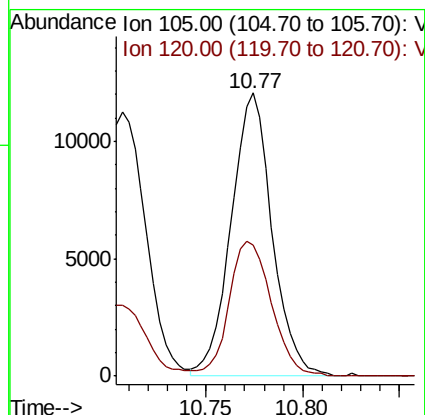
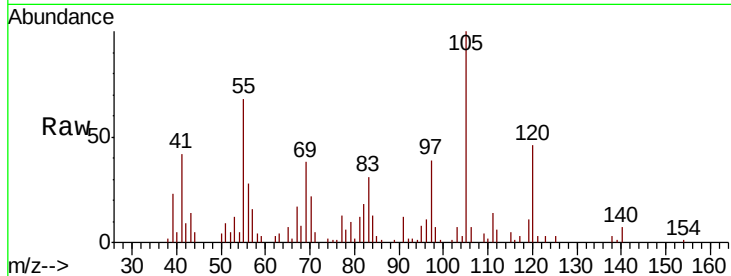
ClientSampled :

Tot Ion:105 Resp: 17744

Ion Ratio Lower Upper

105 100

120 49.2 23.3 69.9



#81

trans-1,4-Dichloro-2-butene

Concen: 52.530 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

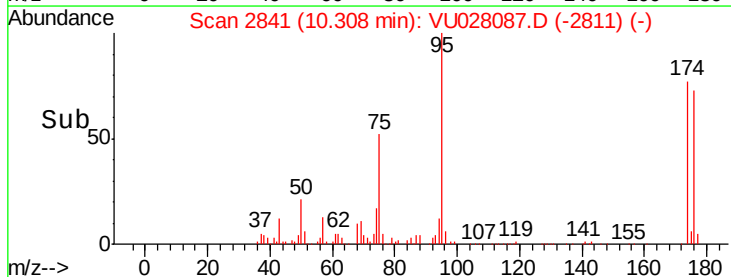
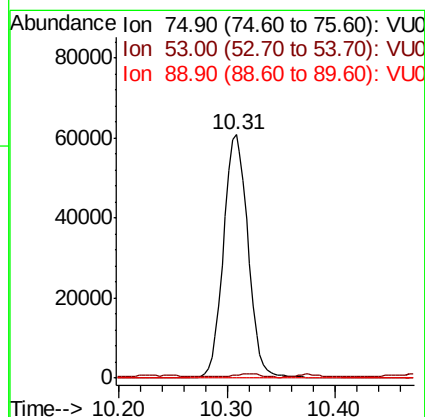
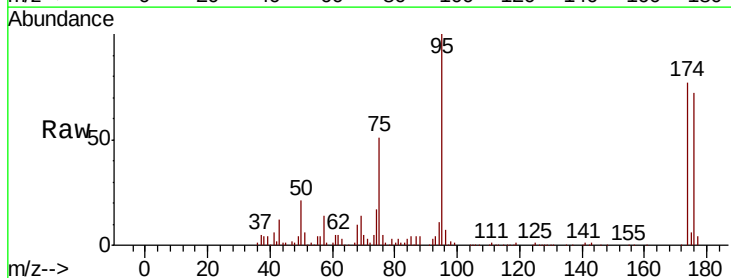
Tgt Ion: 75 Resp: 96651

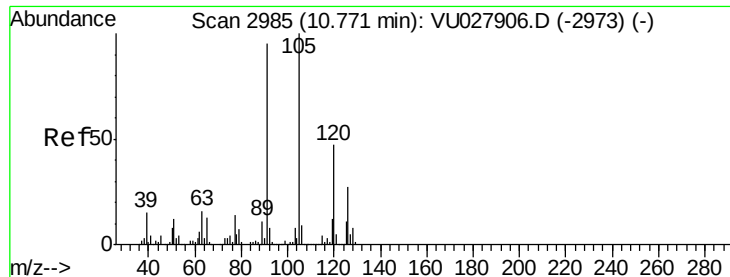
Ion Ratio Lower Upper

75 100

53 1.5 0.0 0.0#

89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 28.715 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.18 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_U

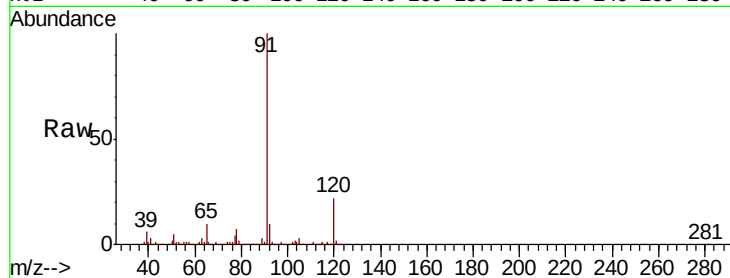
ClientSampleId :

Tot Ion: 91 Resp: 304244

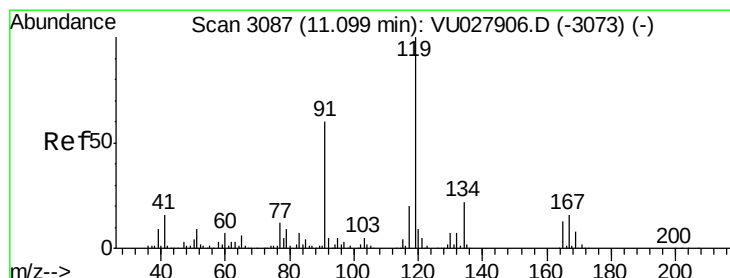
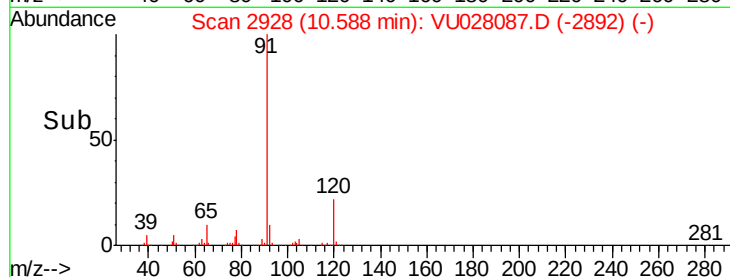
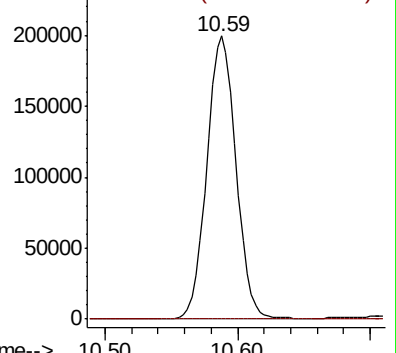
Ion Ratio Lower Upper

91 100

126 0.0 14.2 42.6#



Abundance Ion 91.00 (90.70 to 91.70): VU028087.D (-2928) (-)



#83

tert-Butylbenzene

Concen: 1.217 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

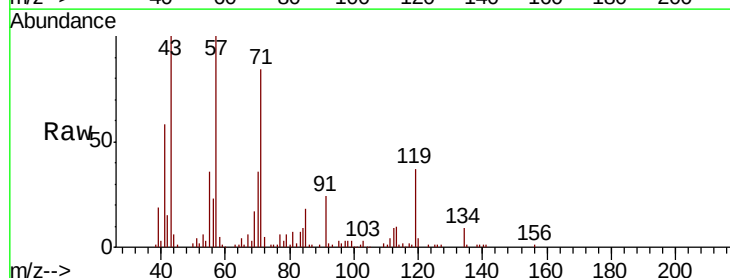
Tgt Ion: 119 Resp: 13105

Ion Ratio Lower Upper

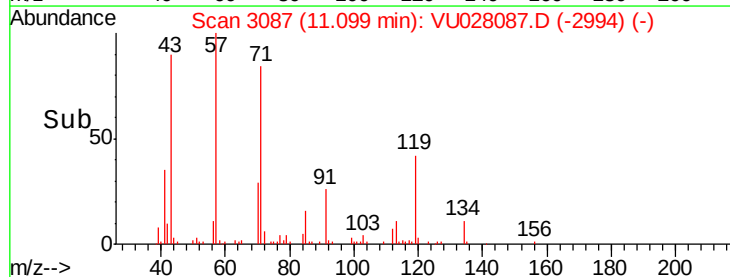
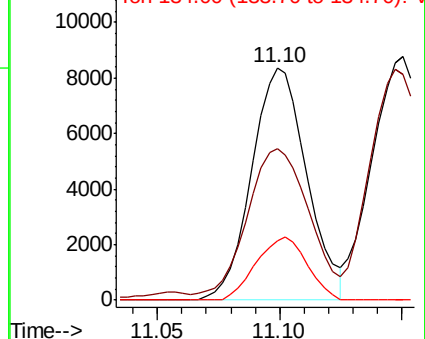
119 100

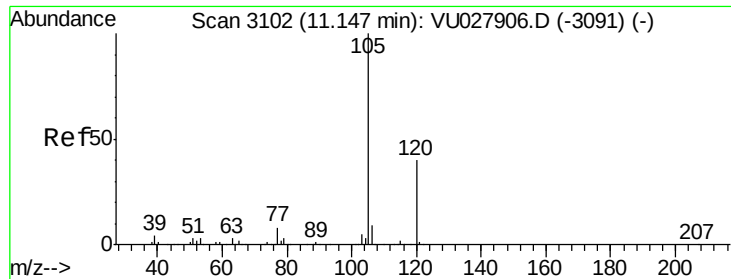
91 67.8 29.8 89.3

134 24.9 11.1 33.1



Abundance Ion 119.00 (118.70 to 119.70): VU028087.D (-2994) (-)

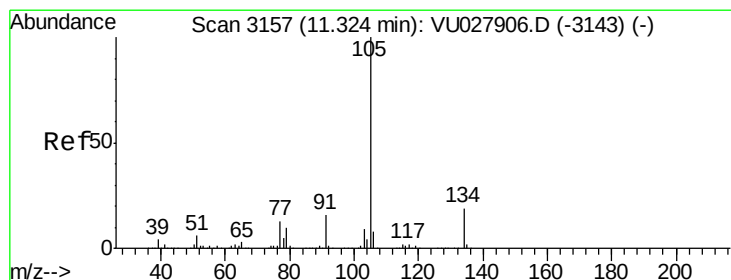
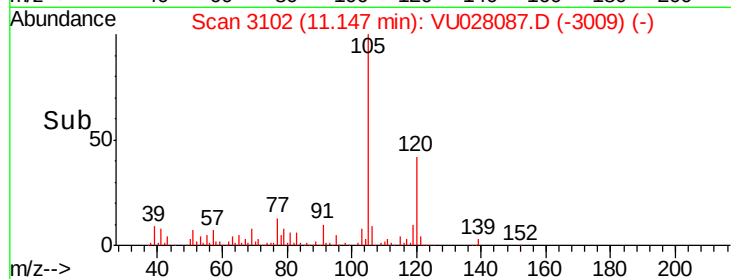
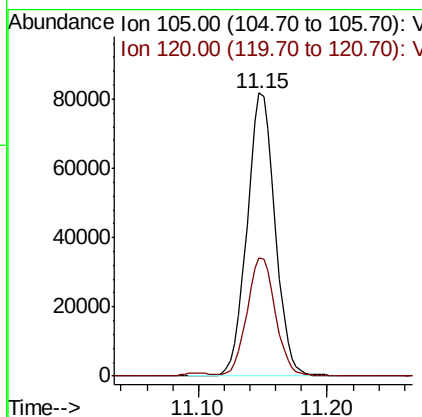
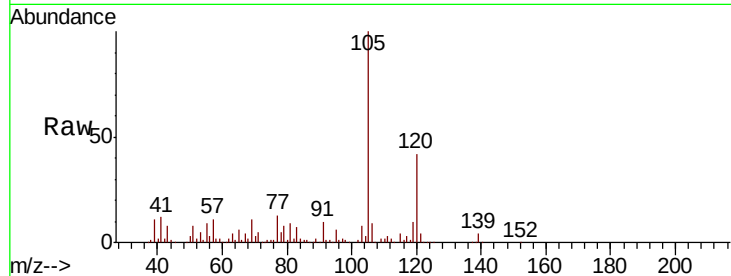




#84
 1,2,4-Trimethylbenzene
 Concen: 11.405 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028087.D
 Acq: 13 Nov 2018 13:17

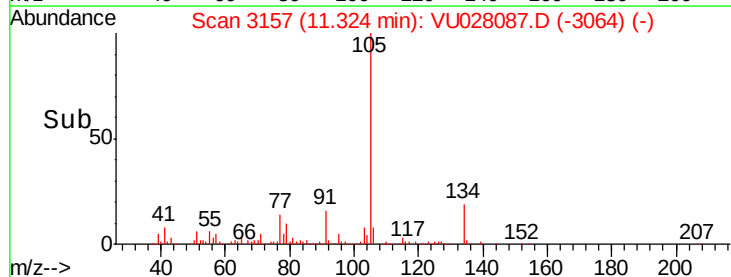
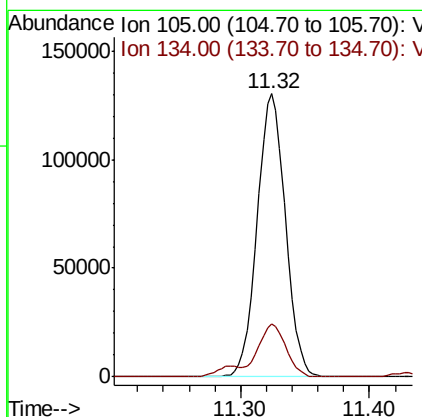
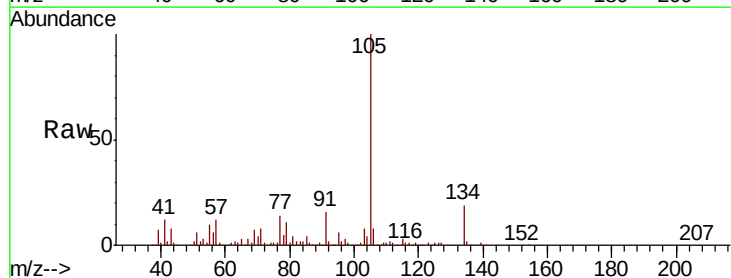
Instrument :
 MSVOA_U
 ClientSampled :

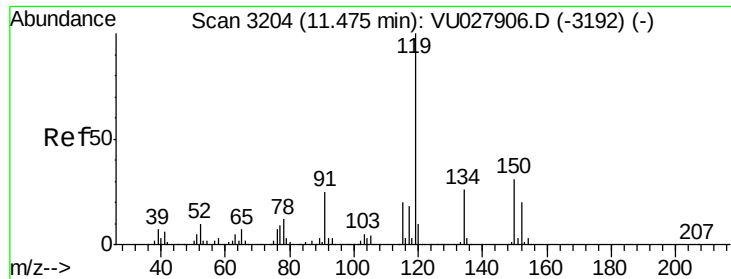
Tot Ion:105 Resp: 123746
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.1 66.1



#85
 sec-Butylbenzene
 Concen: 15.207 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028087.D
 Acq: 13 Nov 2018 13:17

Tgt Ion:105 Resp: 199221
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.2 27.6

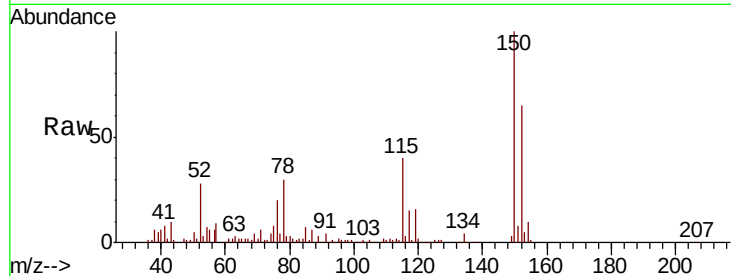




#86
 p-Isopropyltoluene
 Concen: 2.547 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028087.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.7
91	25.5	12.4	37.2

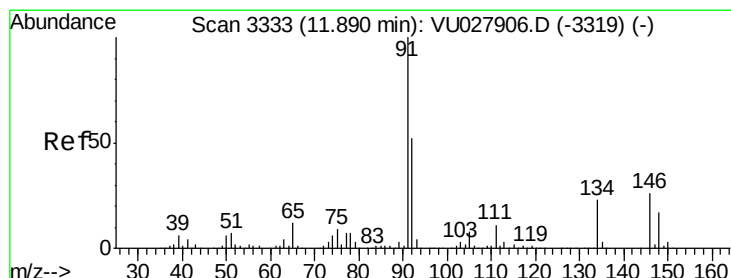
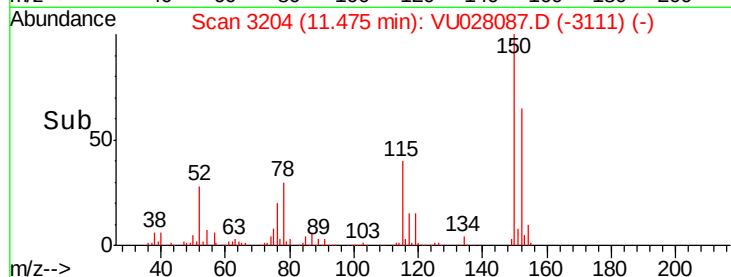
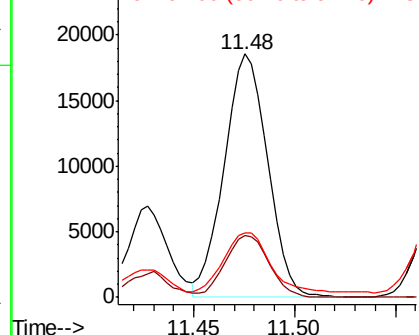


Abundance

Ion 119.00 (118.70 to 119.70): V

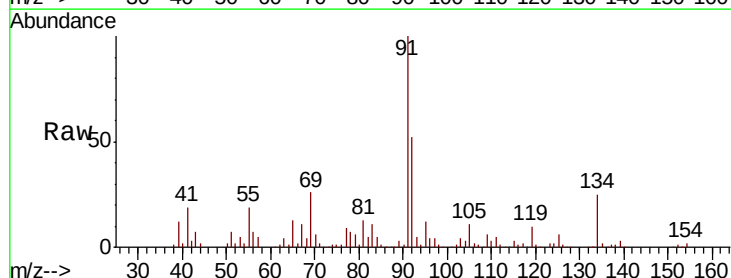
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89
 n-Butylbenzene
 Concen: 12.823 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. -0.00 min
 Lab File: VU028087.D
 Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	46.7	26.2	78.5
134	0.0	11.5	34.5

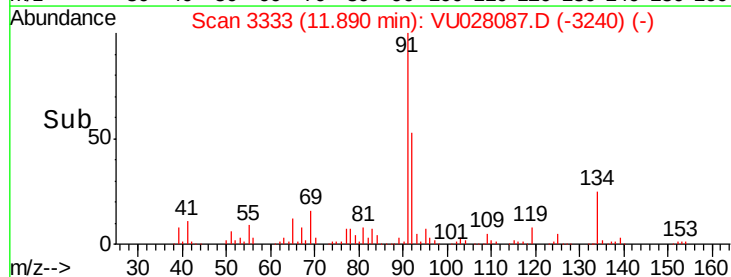
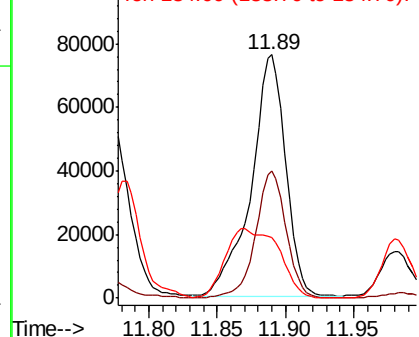


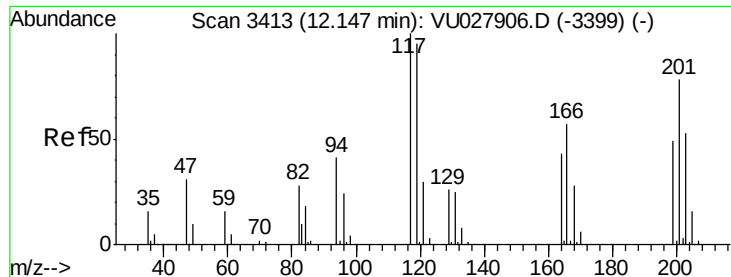
Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 28.678 ug/l

RT: 12.25 min Scan# 3445

Delta R.T. 0.10 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_U

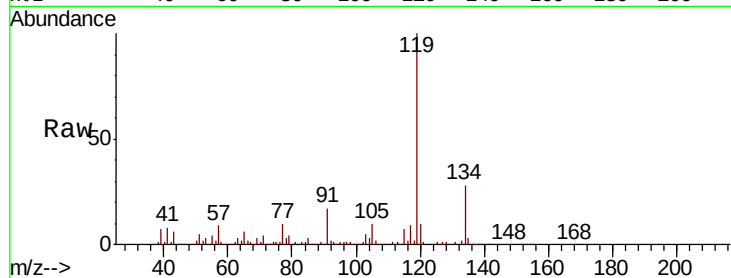
ClientSampleId :

Tot Ion:117 Resp: 55918

Ion Ratio Lower Upper

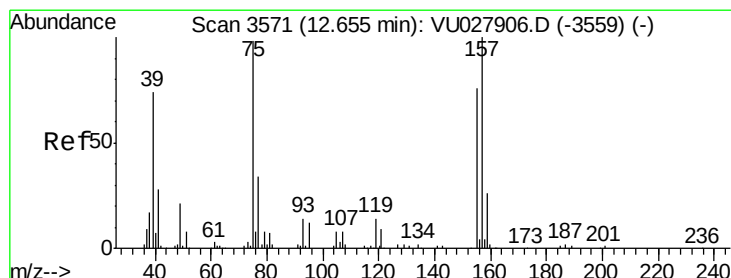
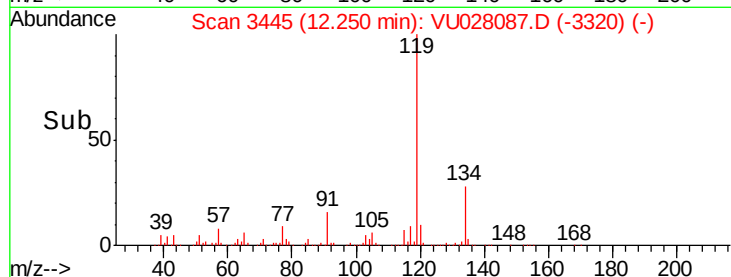
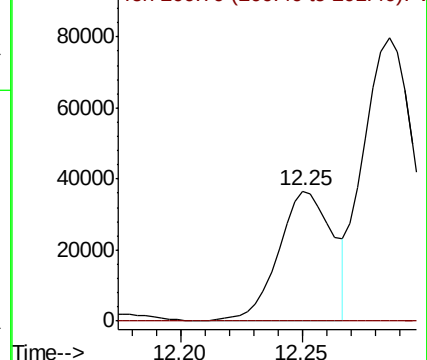
117 100

201 0.0 38.5 115.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.564 ug/l

RT: 12.65 min Scan# 3569

Delta R.T. -0.01 min

Lab File: VU028087.D

Acq: 13 Nov 2018 13:17

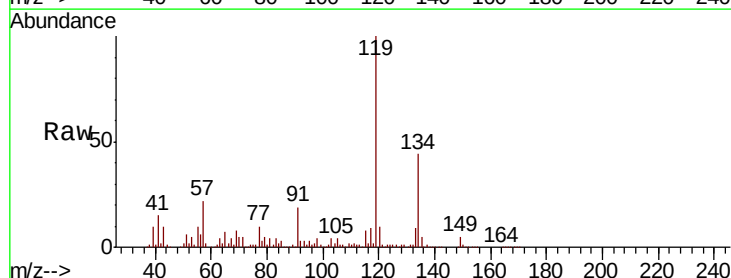
Tgt Ion: 75 Resp: 3940

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.3#

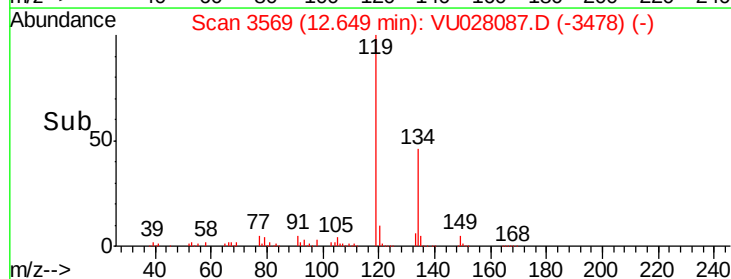
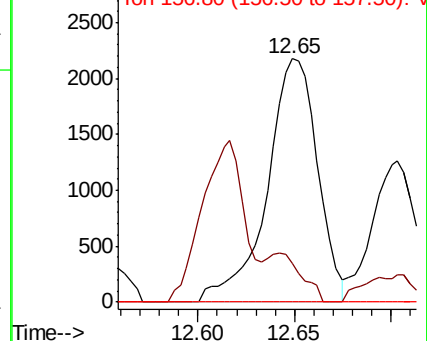
157 0.0 50.6 151.9#

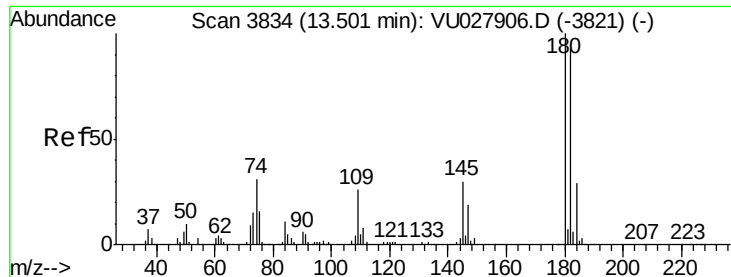


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

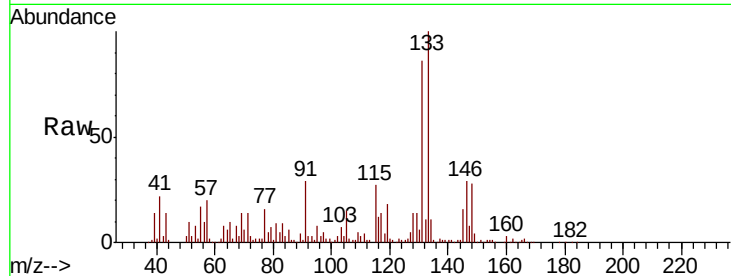




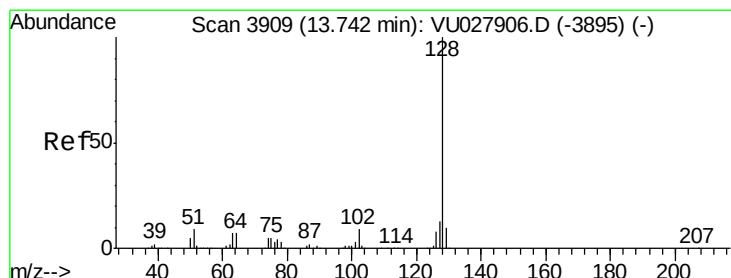
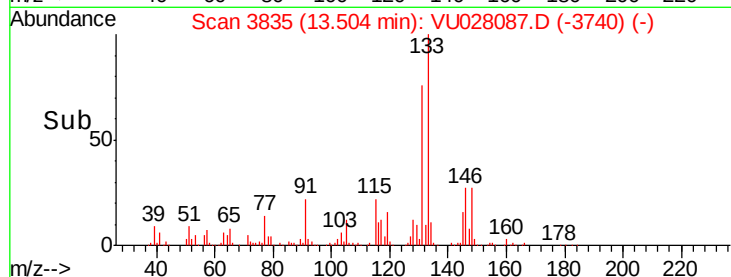
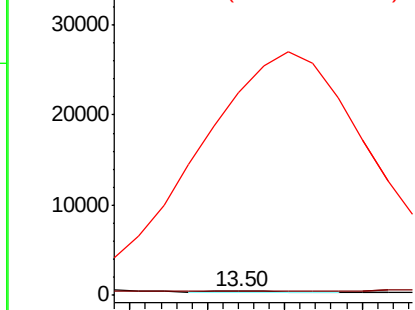
#93
 1,2,4-Trichlorobenzene
 Concen: 0.714 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028087.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 117
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.4 145.2#
 145 36341.0 14.9 44.5#

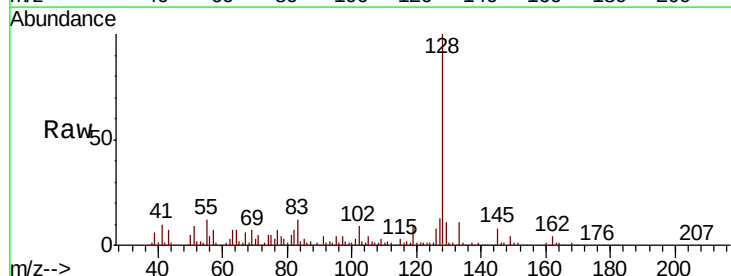


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

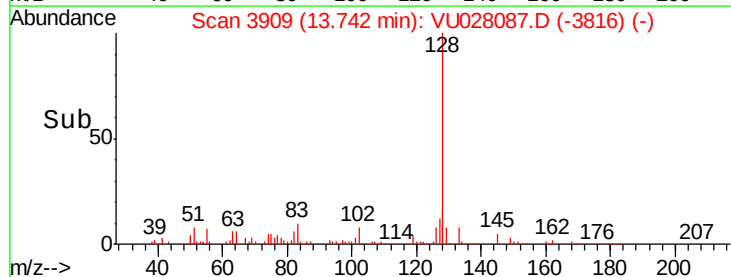
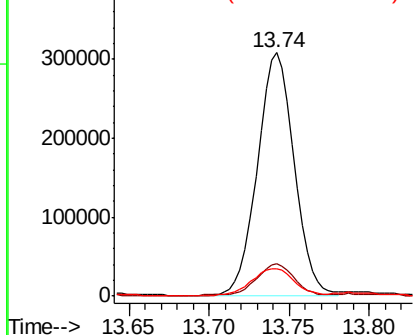


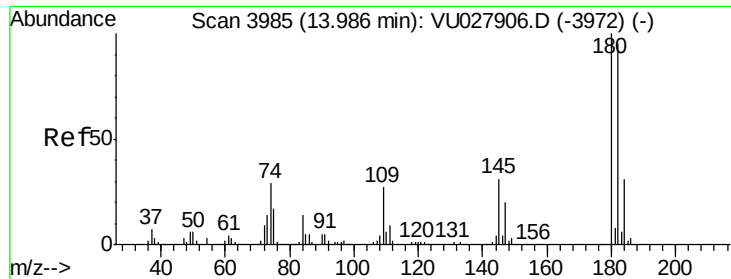
#95
 Naphthalene
 Concen: 35.464 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: VU028087.D
 Acq: 13 Nov 2018 13:17

Tgt Ion:128 Resp: 489173
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 13.0 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.900 ug/l
 RT: 13.95 min Scan# 3974
 Delta R.T. -0.04 min
 Lab File: VU028087.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 3348
 Ion Ratio Lower Upper
 180 100
 182 65.2 47.4 142.3
 145 2232.3 16.0 47.9#

