

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028404.D
 Acq On : 29 Nov 2018 19:16
 Operator : MD/SY
 Sample : J6134-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 30 07:06:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	255683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	488059	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	466089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	225805	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	226018	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
35) Dibromofluoromethane	4.88	113	163189	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	7.57	98	649874	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	10.31	95	248121	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1494	0.225	ug/l #	77
4) Vinyl Chloride	1.40	62	34839	7.490	ug/l	97
6) Chloroethane	1.50	64	53366	19.938	ug/l #	53
11) Tert butyl alcohol	2.83	59	2059	2.121	ug/l #	89
16) Acetone	2.32	43	18545	7.095	ug/l	98
17) Carbon Disulfide	2.48	76	6444	0.615	ug/l	95
20) Methylene Chloride	2.70	84	2103	0.497	ug/l #	87
21) trans-1,2-Dichloroethene	2.98	96	6577	2.076	ug/l	82
25) 2-Butanone	4.30	43	2658	0.710	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	737662	196.900	ug/l	88
31) Cyclohexane	4.98	56	11699	1.269	ug/l #	30
36) 1,1-Dichloropropene	4.98	75	23799	4.456	ug/l #	51
38) Carbon Tetrachloride	4.98	117	25286	5.766	ug/l #	16
39) Methylcyclohexane	6.42	83	5048	0.802	ug/l	88
40) Benzene	5.39	78	18233	1.153	ug/l	95
44) Trichloroethene	6.18	130	1646	0.485	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	2234	0.303	ug/l #	80
52) Toluene	7.64	92	311873	34.239	ug/l	98
55) 1,1,2-Trichloroethane	8.04	97	1691	0.446	ug/l #	18
59) 2-Hexanone	8.17	43	2411	0.423	ug/l	81
60) Dibromochloromethane	8.23	129	1404	0.389	ug/l #	10
64) Tetrachloroethene	8.23	164	1447	0.472	ug/l	96
67) Ethyl Benzene	9.25	91	121594	6.671	ug/l	99
68) m/p-Xylenes	9.37	106	290329	44.252	ug/l	99
69) o-Xylene	9.78	106	196270	30.093	ug/l	99
70) Styrene	9.78	104	9776	0.929	ug/l #	1
73) Isopropylbenzene	10.17	105	11553	0.658	ug/l	95
74) N-amyl acetate	10.05	43	2817	0.256	ug/l #	1
76) 1,2,3-Trichloropropane	10.68	75	4060	0.648	ug/l #	1
78) n-propylbenzene	10.59	91	32025	1.478	ug/l	100
79) 2-Chlorotoluene	10.68	91	57030	4.465	ug/l #	44
80) 1,3,5-Trimethylbenzene	10.77	105	344087	23.250	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.68	75	4060	1.721	ug/l #	100
82) 4-Chlorotoluene	10.77	91	37979	2.581	ug/l #	48

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 Response via : Initial Calibration

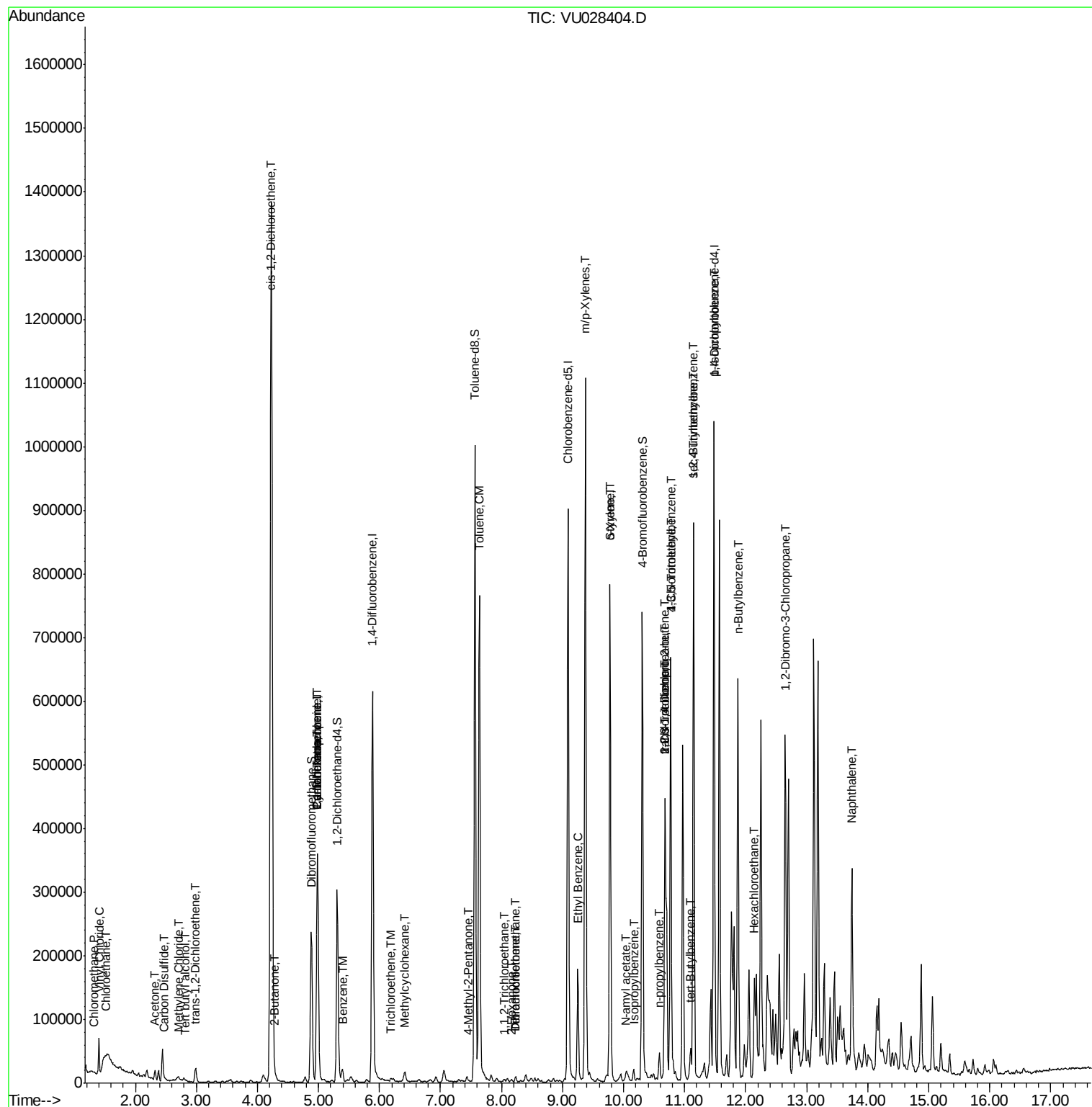
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	11.10	119	19125	1.386	ug/l	88
84) 1,2,4-Trimethylbenzene	11.15	105	461579	30.792	ug/l	99
85) sec-Butylbenzene	11.15	105	461579	25.759	ug/l #	59
86) p-Isopropyltoluene	11.48	119	36462	2.475	ug/l	97
89) n-Butylbenzene	11.87	91	71827	4.940	ug/l #	1
90) Hexachloroethane	12.14	117	8051	3.500	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.65	75	2254	1.403	ug/l #	7
95) Naphthalene	13.74	128	208353	13.177	ug/l	99

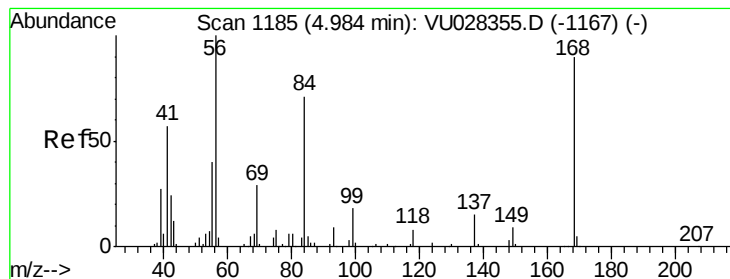
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

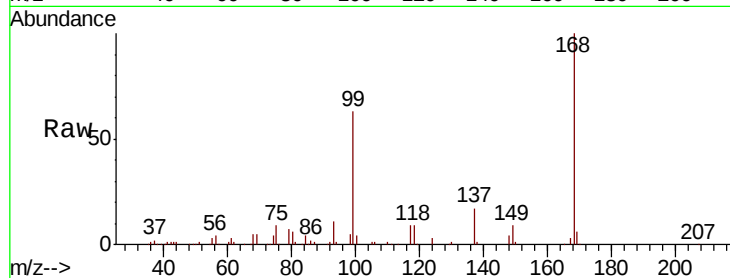
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 255683

Ion Ratio Lower Upper

168 100

99 62.8 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

120000

100000

80000

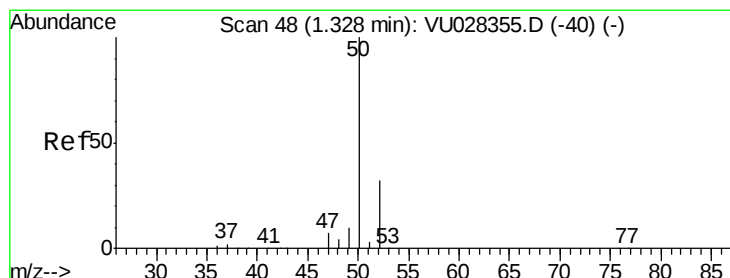
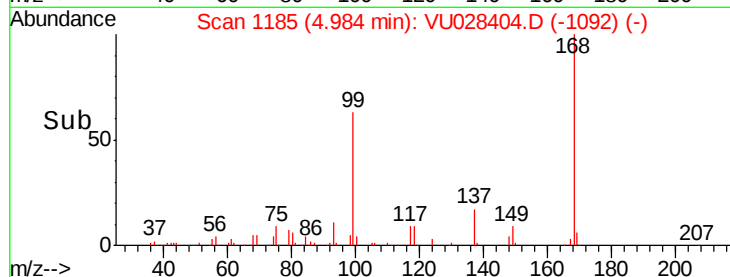
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028404.D

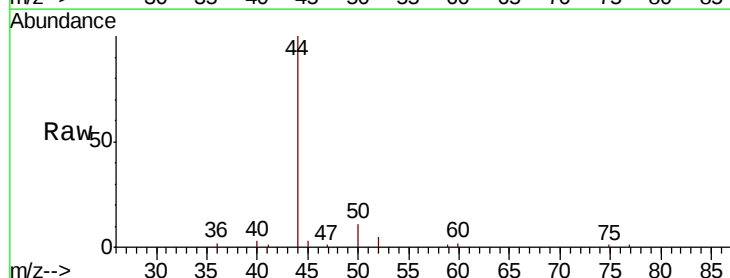
Acq: 29 Nov 2018 19:16

Tgt Ion: 50 Resp: 1494

Ion Ratio Lower Upper

50 100

52 44.8 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VU028355.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028355.D (-40) (-)

1.33

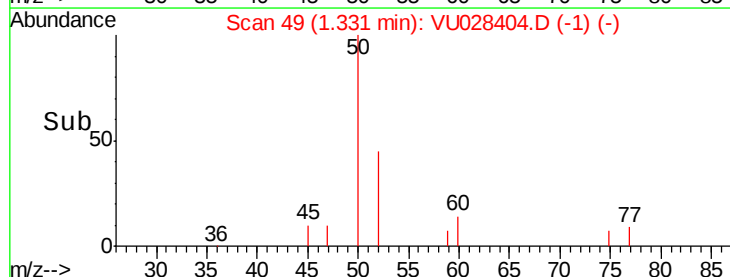
1500

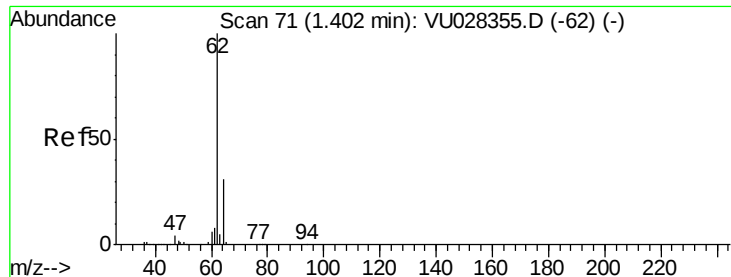
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 7.490 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

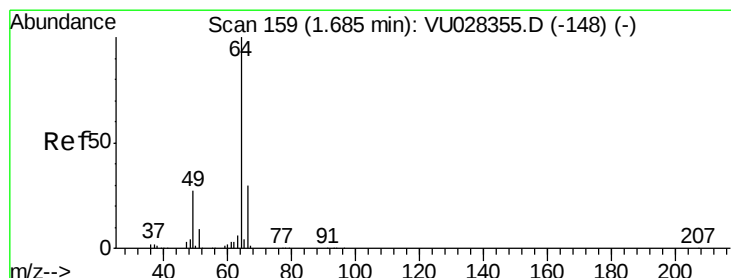
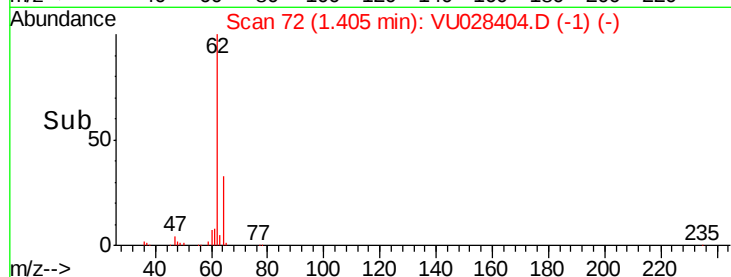
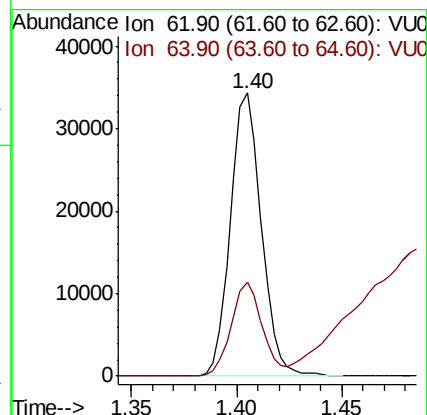
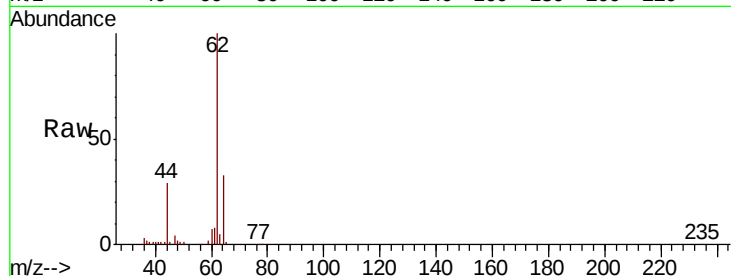
ClientSampleId :

Tot Ion: 62 Resp: 34839

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.4



#6

Chloroethane

Concen: 19.938 ug/l

RT: 1.50 min Scan# 103

Delta R.T. -0.18 min

Lab File: VU028404.D

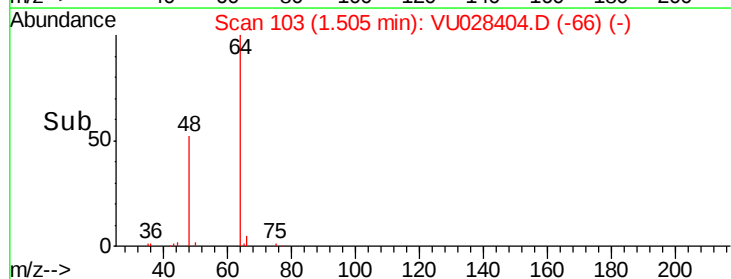
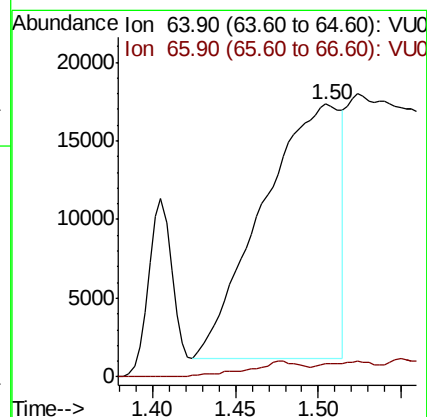
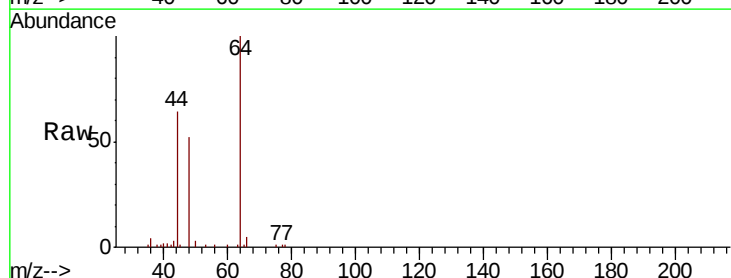
Acq: 29 Nov 2018 19:16

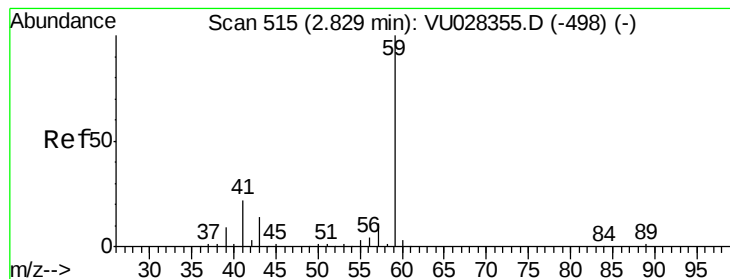
Tgt Ion: 64 Resp: 53366

Ion Ratio Lower Upper

64 100

66 4.4 23.6 35.4#



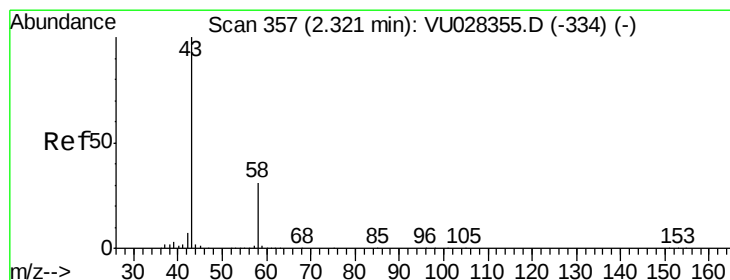
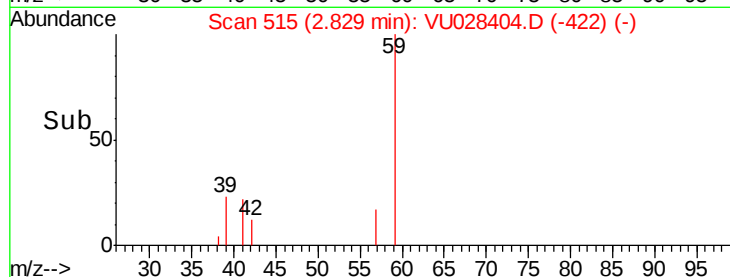
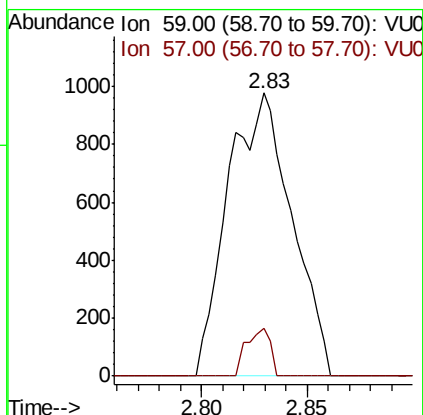
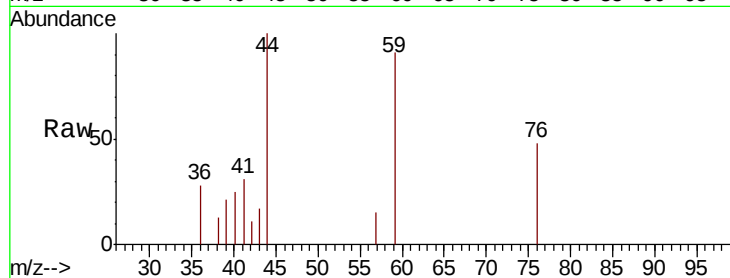


#11

Tert butyl alcohol
 Concen: 2.121 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Instrument :
 MSVOA_U
 ClientSampled :

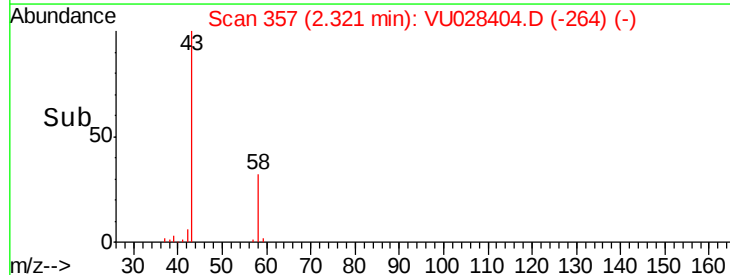
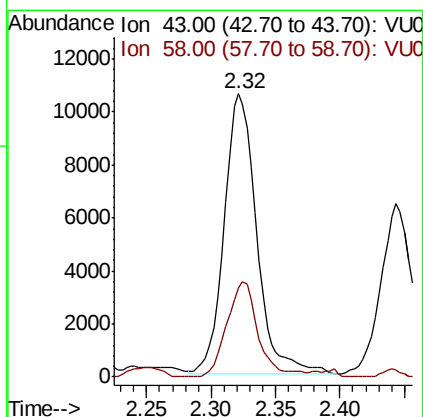
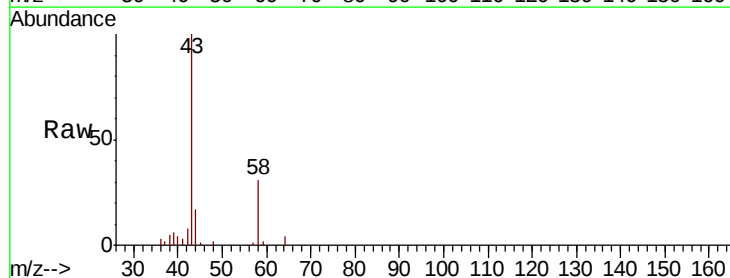
Tot Ion: 59 Resp: 2059
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.3 12.5#

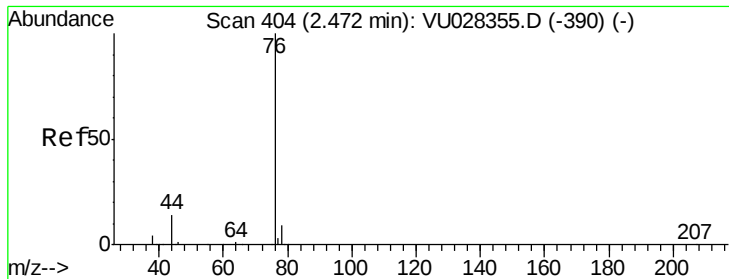


#16

Acetone
 Concen: 7.095 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Tgt Ion: 43 Resp: 18545
 Ion Ratio Lower Upper
 43 100
 58 31.5 24.4 36.6





#17

Carbon Disulfide

Concen: 0.615 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

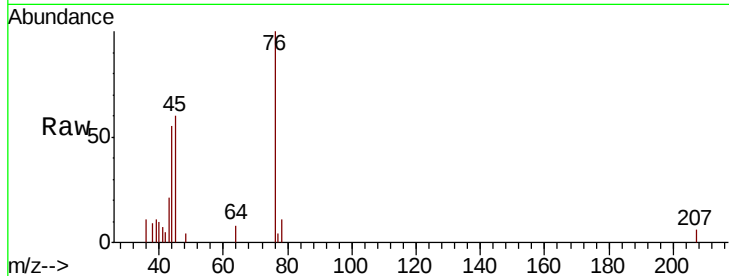
ClientSampleId :

Tot Ion: 76 Resp: 6444

Ion Ratio Lower Upper

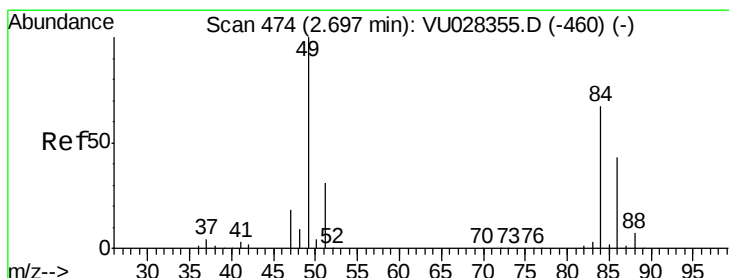
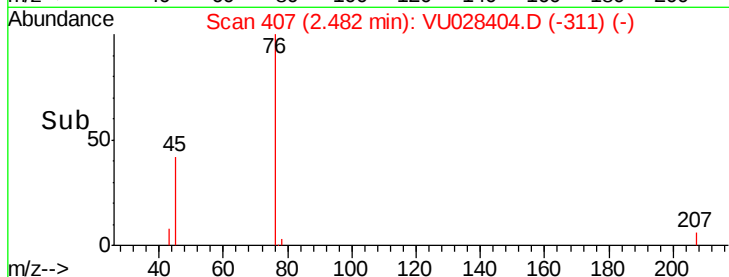
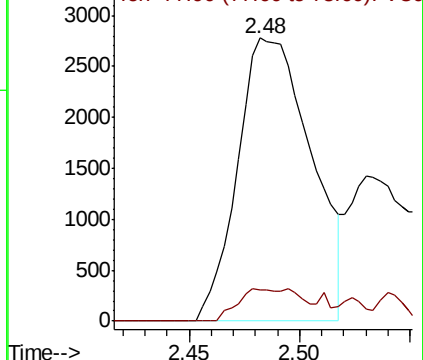
76 100

78 11.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU028355.D (-390) (-)

Ion 77.90 (77.60 to 78.60): VU028355.D (-390) (-)



#20

Methylene Chloride

Concen: 0.497 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Tgt Ion: 84 Resp: 2103

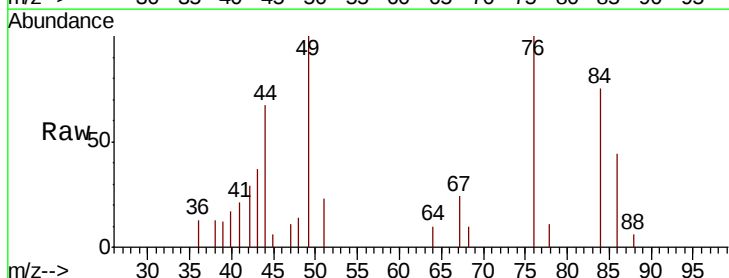
Ion Ratio Lower Upper

84 100

49 133.6 120.0 180.0

51 30.9 36.9 55.3#

86 59.1 51.1 76.7

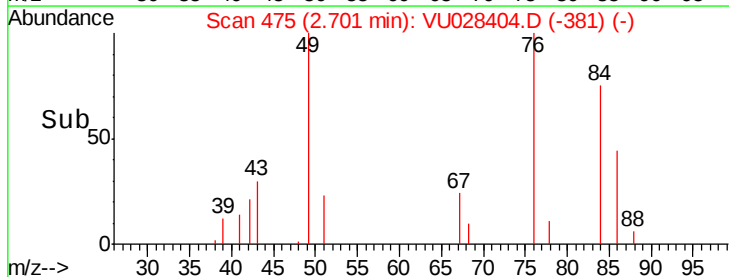
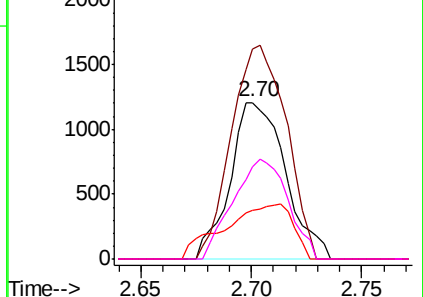


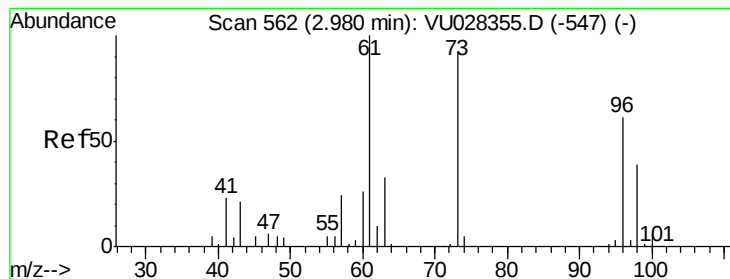
Abundance Ion 83.90 (83.60 to 84.60): VU028355.D (-460) (-)

Ion 48.90 (48.60 to 49.60): VU028355.D (-460) (-)

Ion 50.90 (50.60 to 51.60): VU028355.D (-460) (-)

Ion 85.90 (85.60 to 86.60): VU028355.D (-460) (-)





#21

trans-1,2-Dichloroethene

Concen: 2.076 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :
MSVOA_U
ClientSampled :

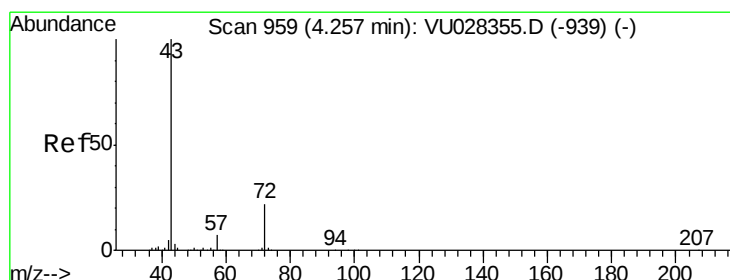
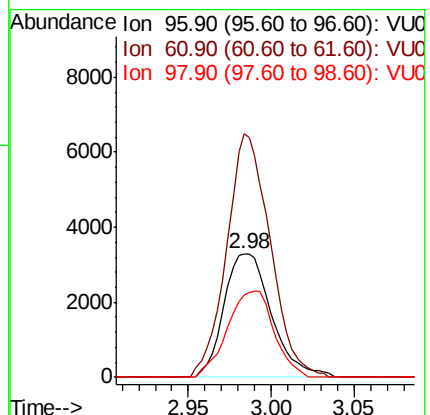
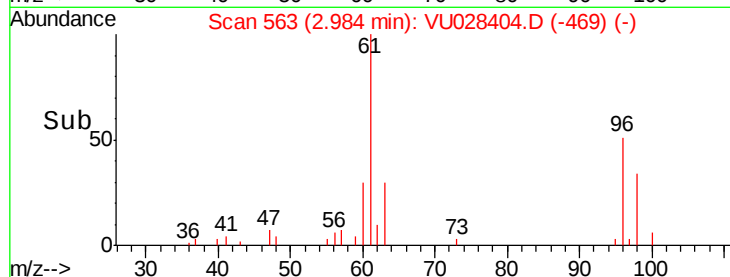
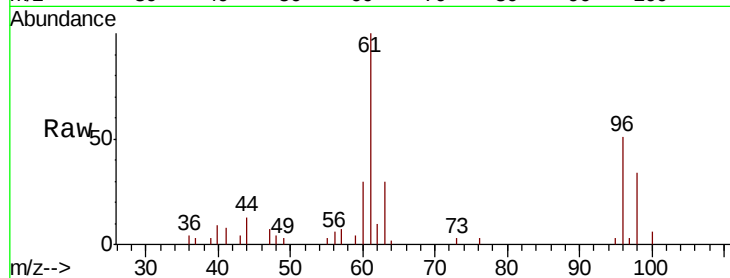
Tot Ion: 96 Resp: 6577

Ion Ratio Lower Upper

96 100

61 196.5 131.1 196.7

98 66.5 51.7 77.5



#25

2-Butanone

Concen: 0.710 ug/l

RT: 4.30 min Scan# 971

Delta R.T. 0.04 min

Lab File: VU028404.D

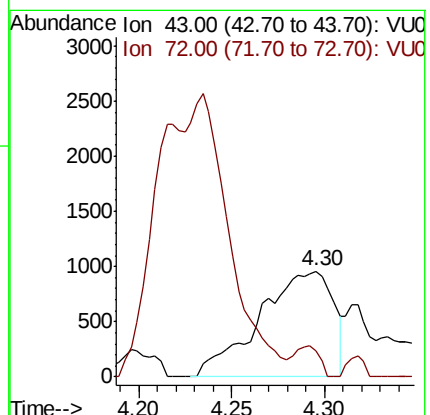
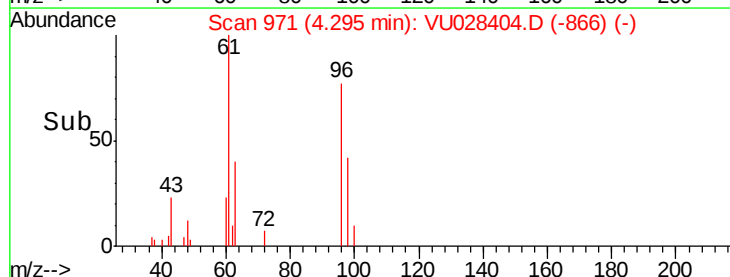
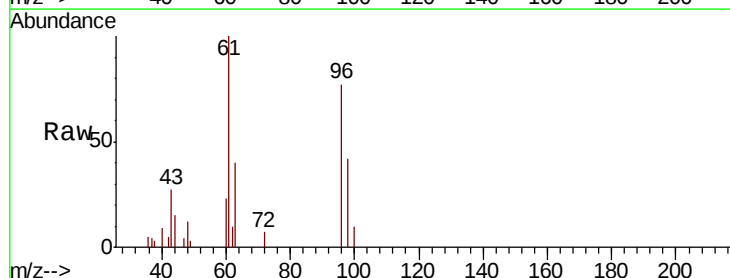
Acq: 29 Nov 2018 19:16

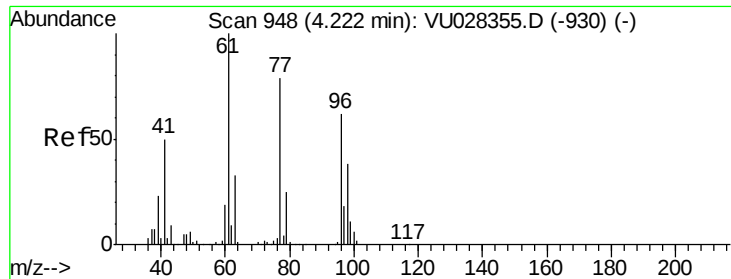
Tgt Ion: 43 Resp: 2658

Ion Ratio Lower Upper

43 100

72 24.2 17.7 26.5



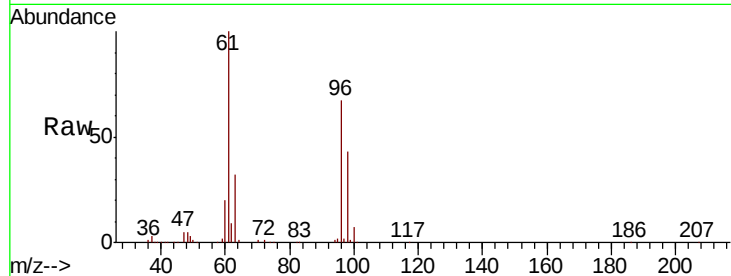


#27

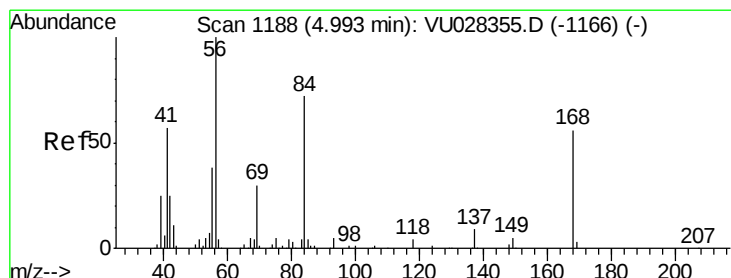
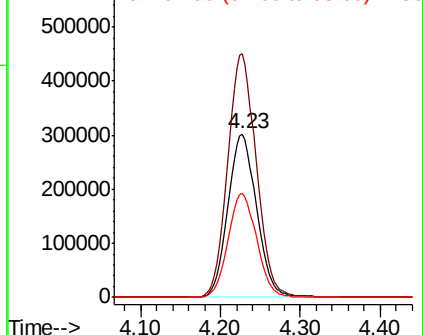
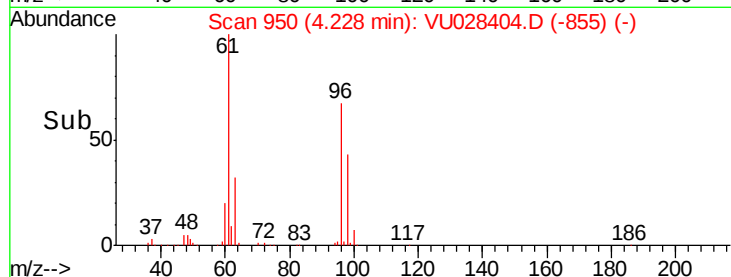
cis-1,2-Dichloroethene
 Concen: 196.900 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 737662
 Ion Ratio Lower Upper
 96 100
 61 147.8 0.0 342.0
 98 63.4 0.0 126.4



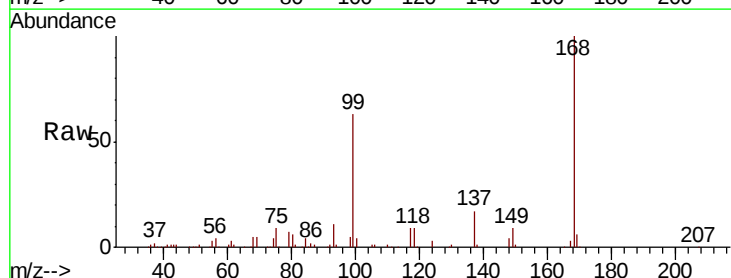
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



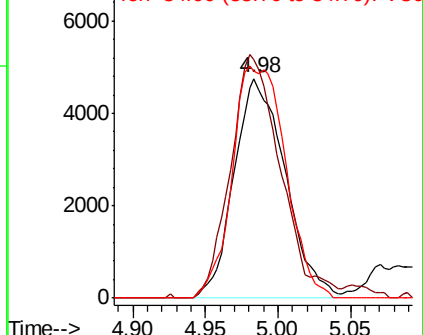
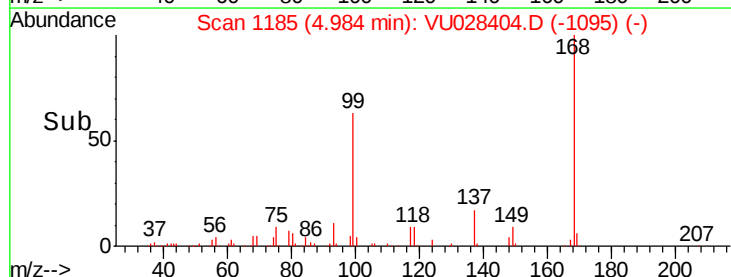
#31

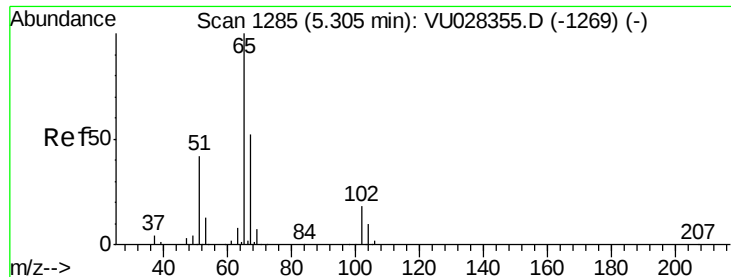
Cyclohexane
 Concen: 1.269 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Tgt Ion: 56 Resp: 11699
 Ion Ratio Lower Upper
 56 100
 69 108.3 23.7 35.5#
 84 103.1 57.3 85.9#



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

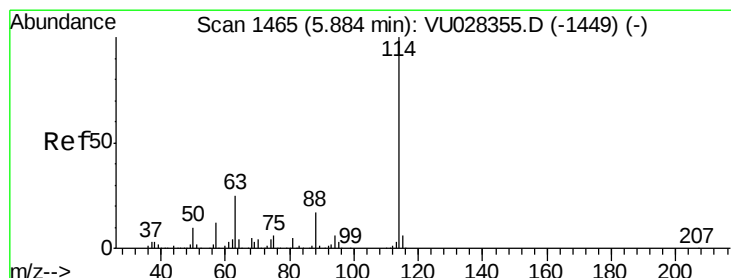
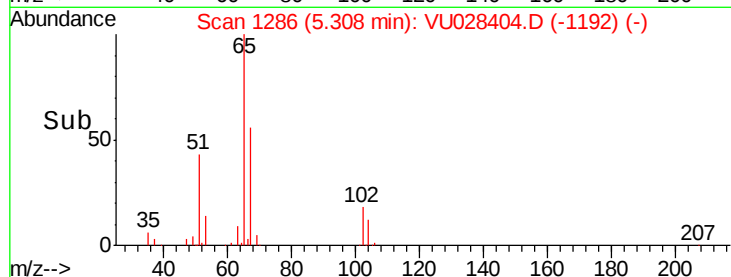
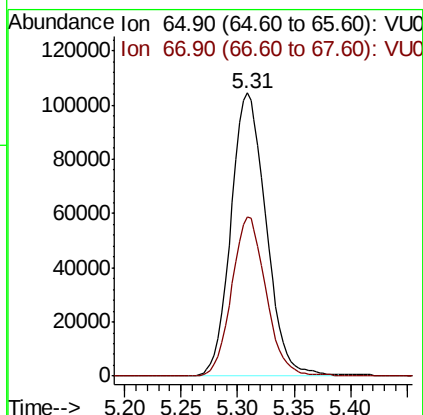
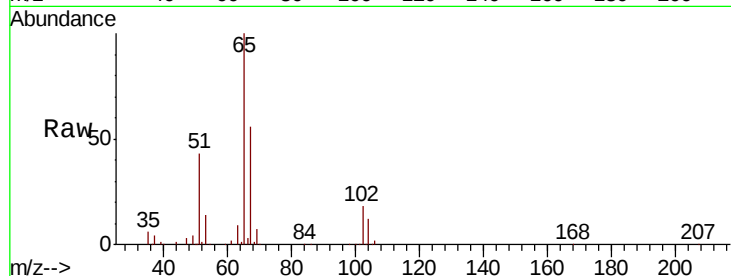




#33
 1,2-Dichloroethane-d4
 Concen: 52.893 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

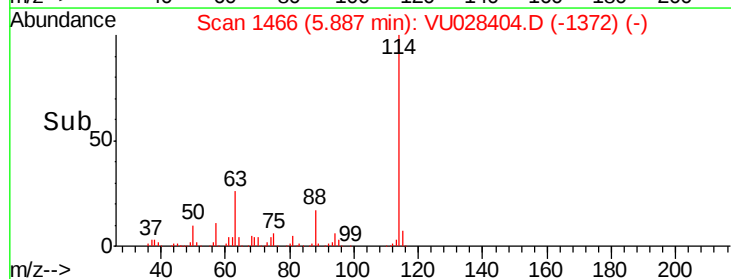
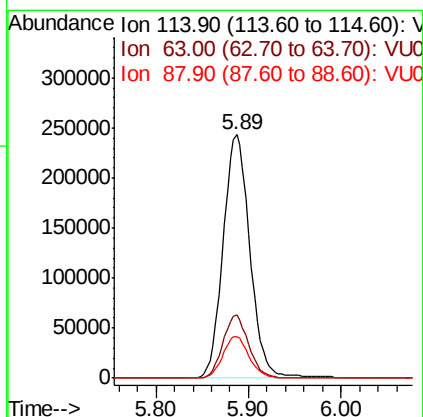
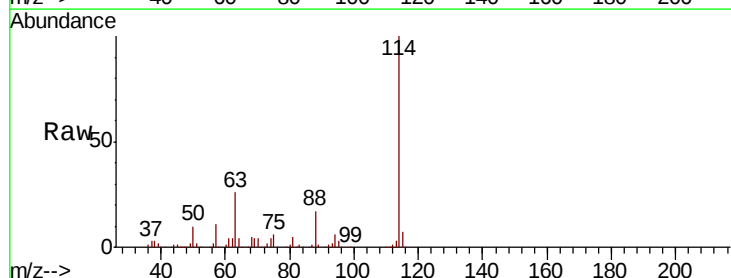
Instrument :
 MSVOA_U
 ClientSampleId :

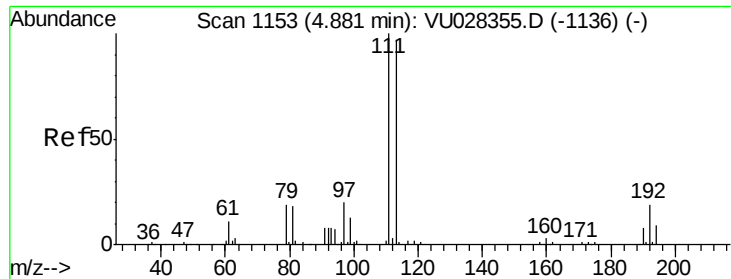
Tot Ion: 65 Resp: 226018
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Tgt Ion: 114 Resp: 488059
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 50.0
 88 17.2 0.0 34.4

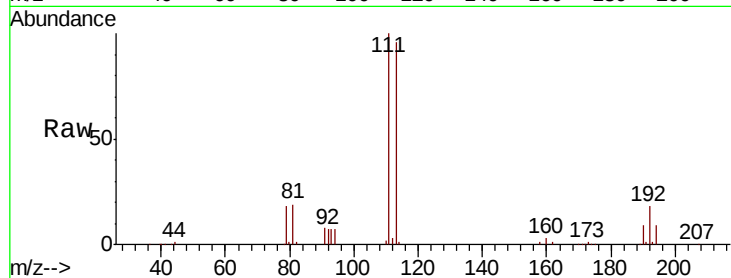




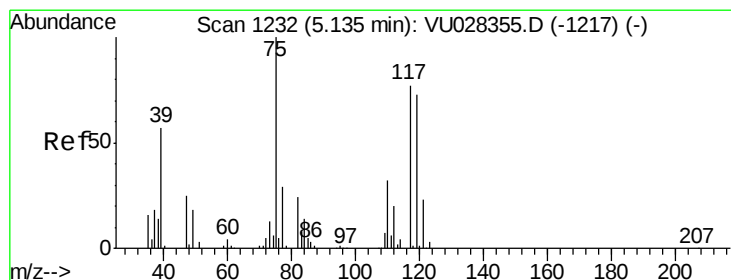
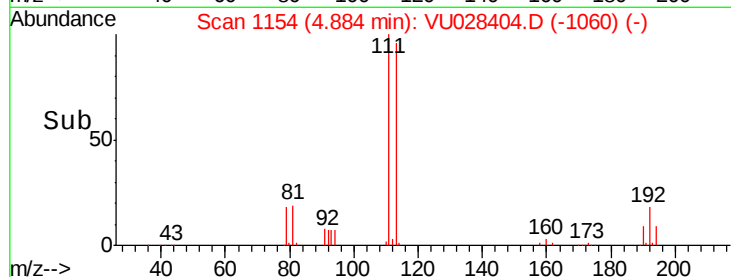
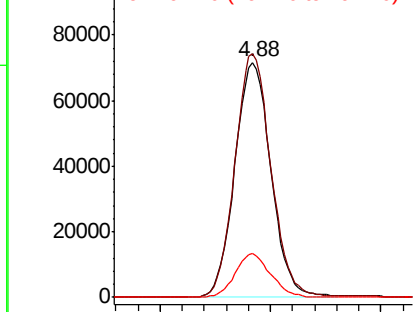
#35
Dibromofluoromethane
Concen: 50.283 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	18.1	15.4	23.0

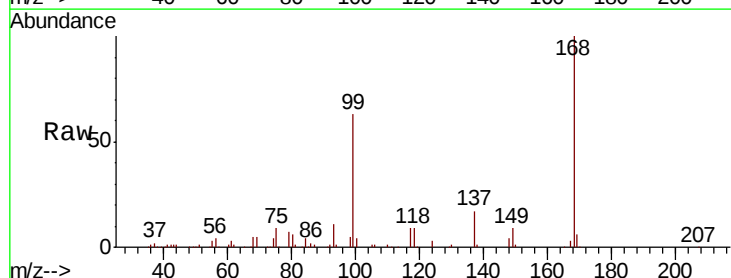


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

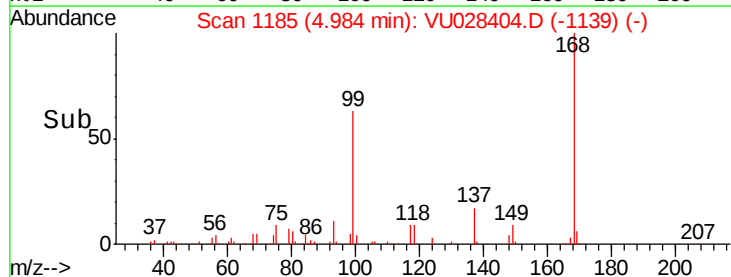
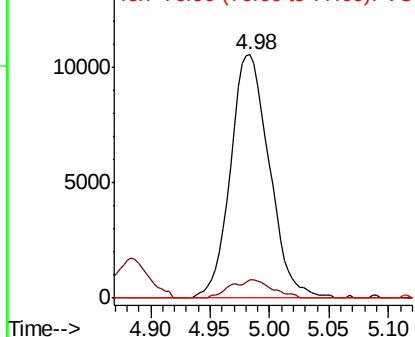


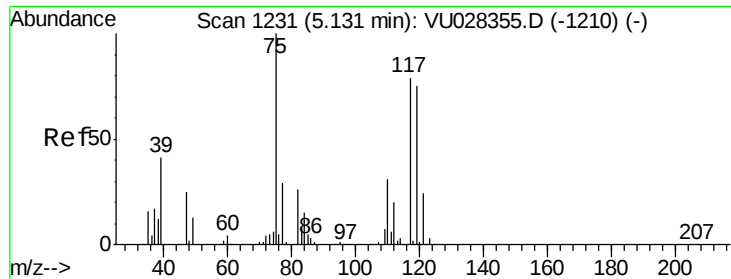
#36
1,1-Dichloropropene
Concen: 4.456 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.8	47.4#
77	0.0	24.6	36.8#



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

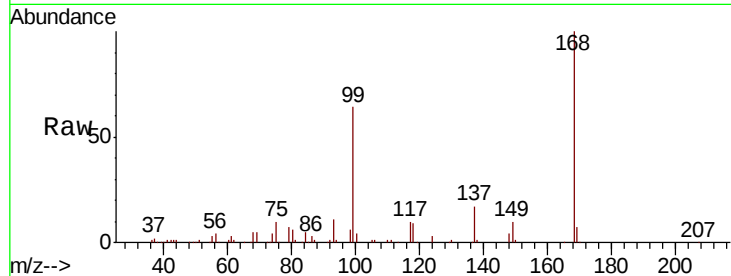




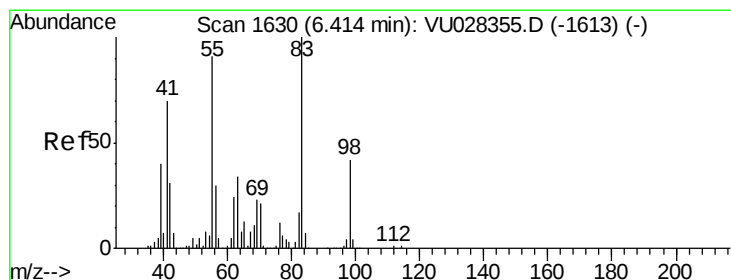
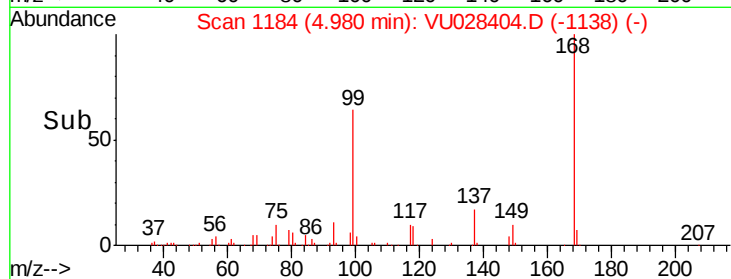
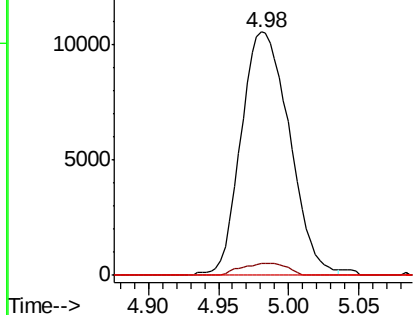
#38
Carbon Tetrachloride
Concen: 5.766 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.15 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 25286
Ion Ratio Lower Upper
117 100
119 5.0 76.3 114.5#
121 0.0 24.7 37.1#

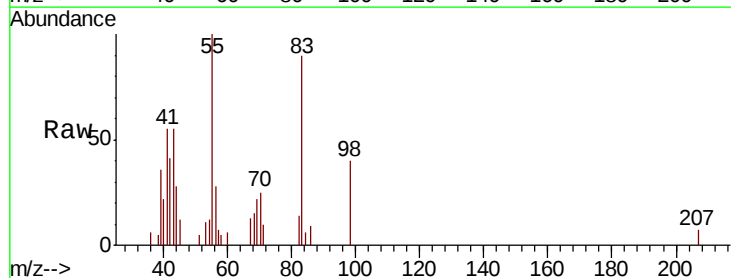


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

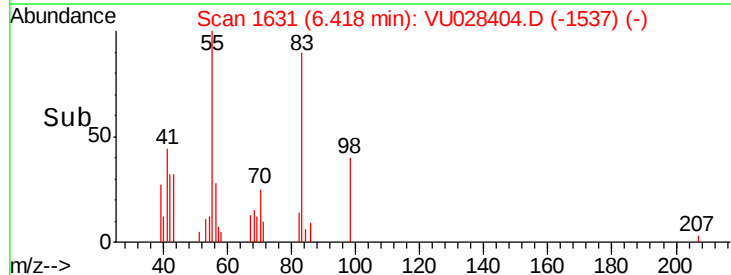
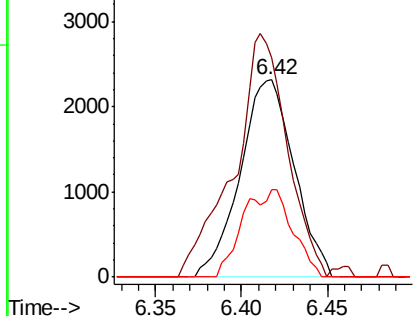


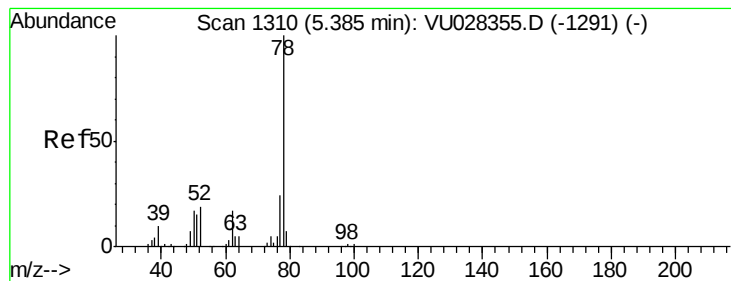
#39
Methylcyclohexane
Concen: 0.802 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Tgt Ion: 83 Resp: 5048
Ion Ratio Lower Upper
83 100
55 106.7 73.1 109.7
98 44.0 33.9 50.9



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: 1.153 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

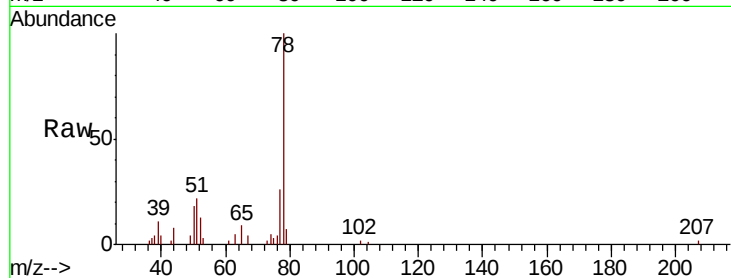
ClientSampleId :

Tot Ion: 78 Resp: 18233

Ion Ratio Lower Upper

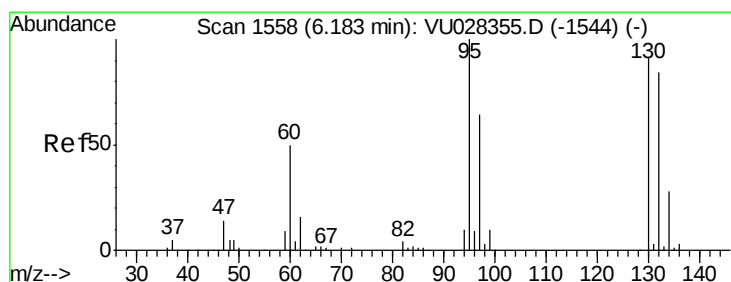
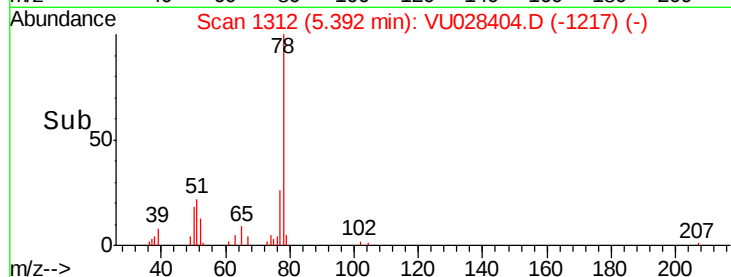
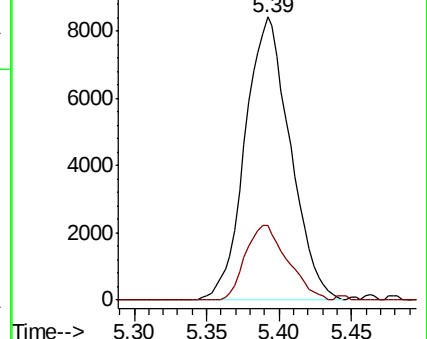
78 100

77 26.2 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU028355.D (-1291) (-)

Ion 77.00 (76.70 to 77.70): VU028355.D (-1291) (-)



#44

Trichloroethene

Concen: 0.485 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028404.D

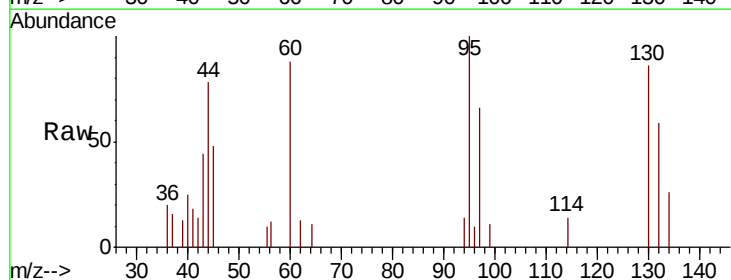
Acq: 29 Nov 2018 19:16

Tgt Ion:130 Resp: 1646

Ion Ratio Lower Upper

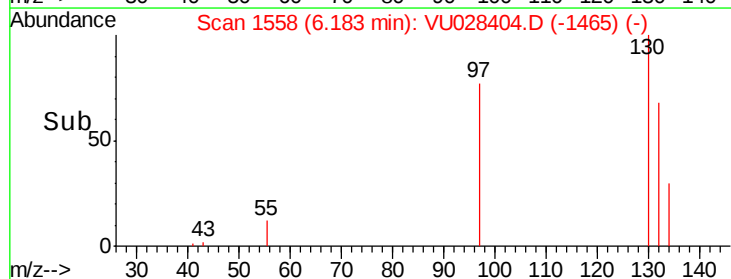
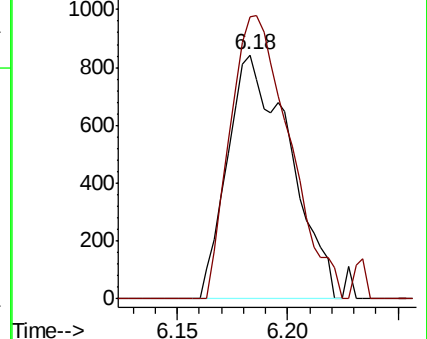
130 100

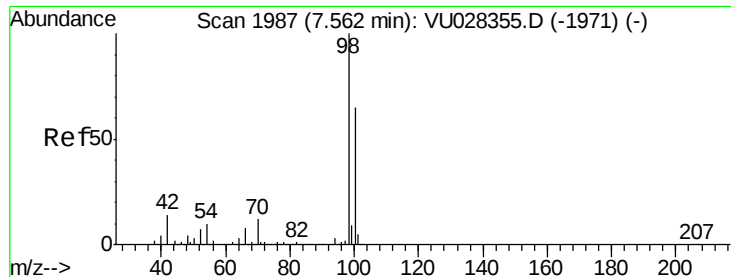
95 115.6 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): VU028355.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028355.D (-1544) (-)





#50

Toluene-d8

Concen: 50.070 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

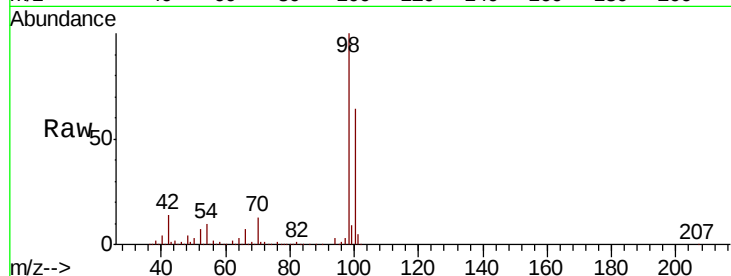
ClientSampleId :

Tot Ion: 98 Resp: 649874

Ion Ratio Lower Upper

98 100

100 63.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU028355.D (-1971) (-)

Ion 100.00 (99.70 to 100.70): VU028355.D (-1971) (-)

7.57

400000

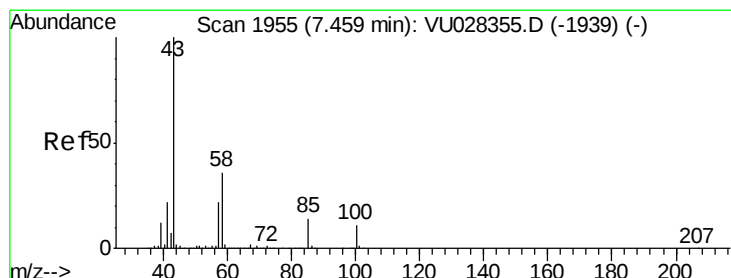
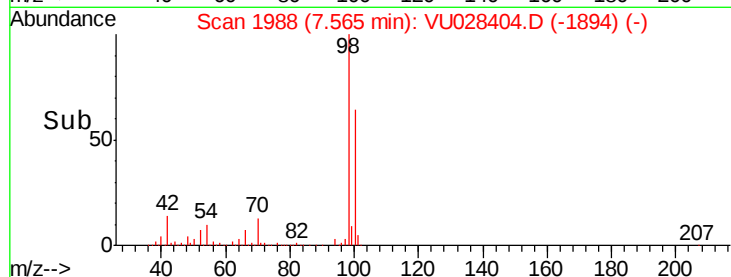
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.303 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU028404.D

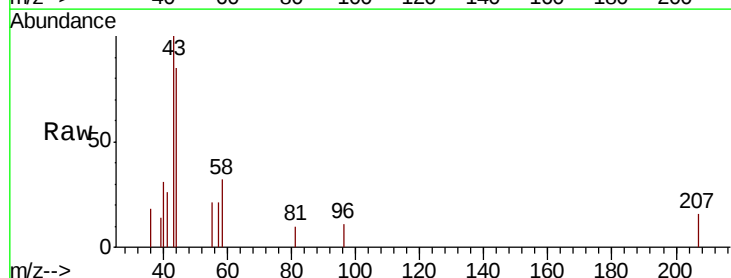
Acq: 29 Nov 2018 19:16

Tgt Ion: 43 Resp: 2234

Ion Ratio Lower Upper

43 100

58 23.9 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-1939) (-)

1200

1000

800

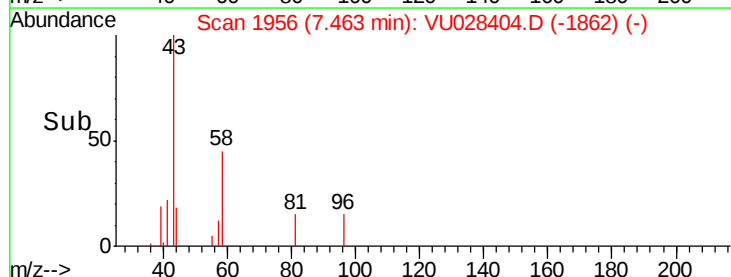
600

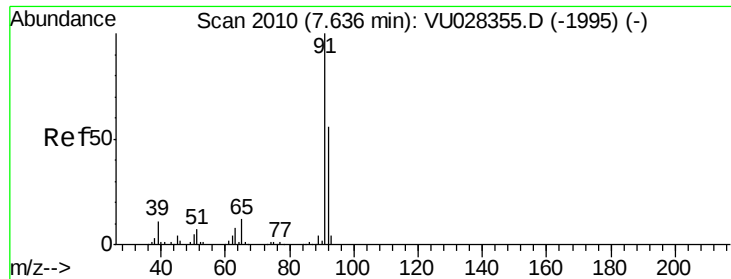
400

200

0

Time-->





#52

Toluene

Concen: 34.239 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

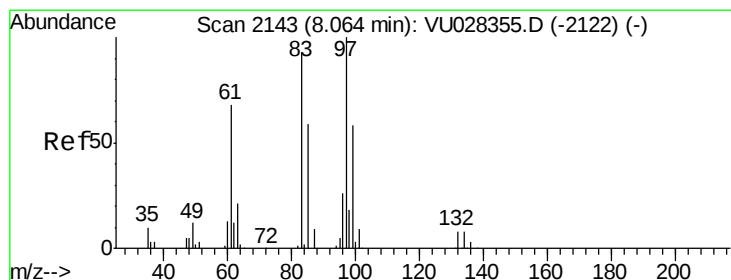
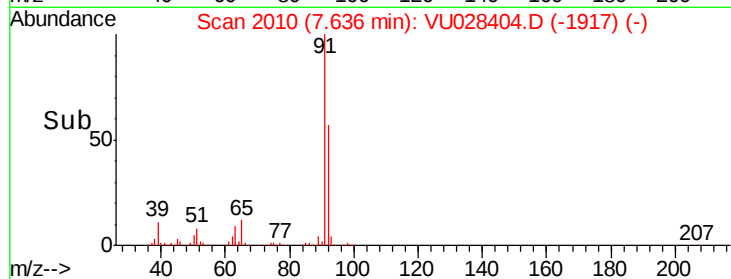
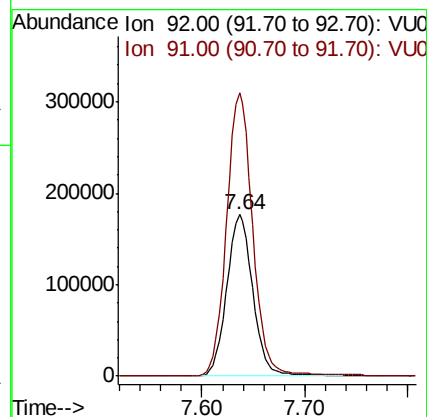
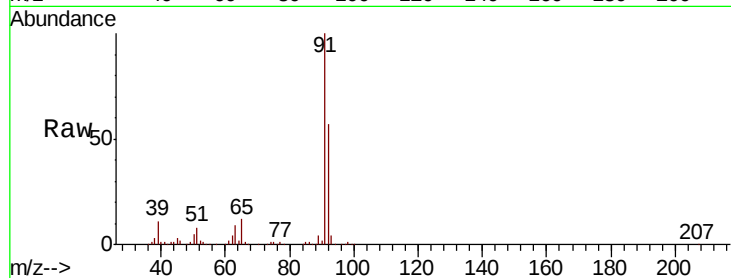
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 92 Resp: 311873

Ion Ratio Lower Upper

92 100

91 174.7 141.8 212.6



#55

1,1,2-Trichloroethane

Concen: 0.446 ug/l

RT: 8.04 min Scan# 2136

Delta R.T. -0.02 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Tgt Ion: 97 Resp: 1691

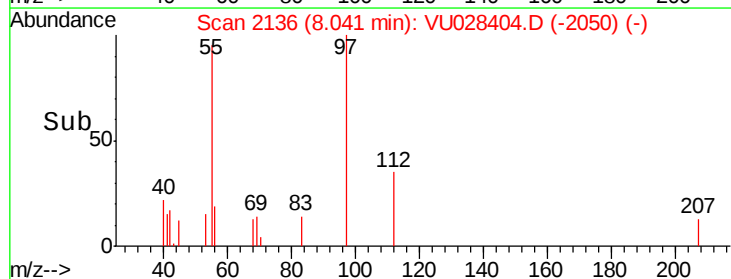
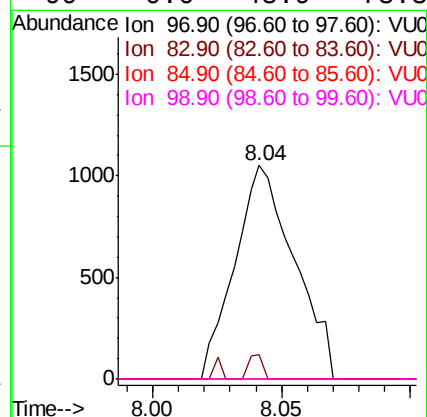
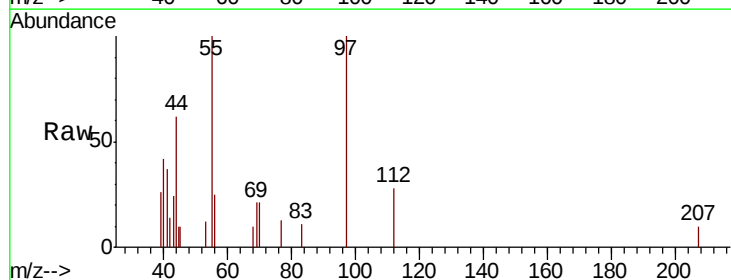
Ion Ratio Lower Upper

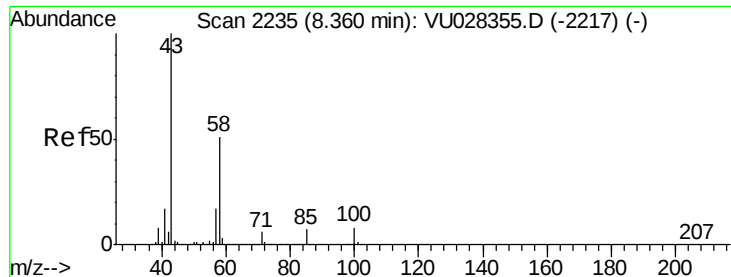
97 100

83 11.1 74.3 111.5#

85 0.0 47.2 70.8#

99 0.0 48.9 73.3#

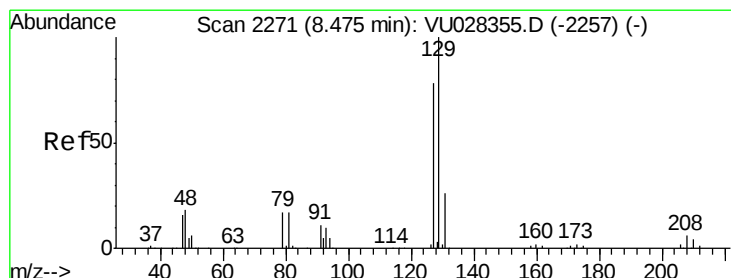
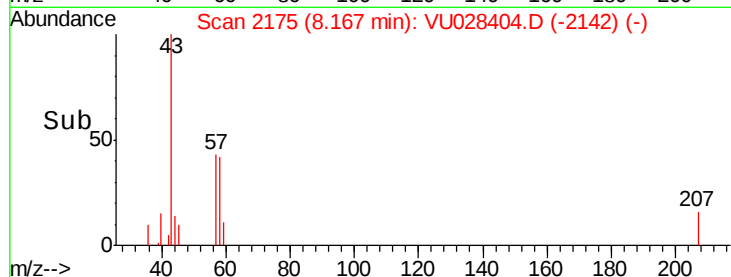
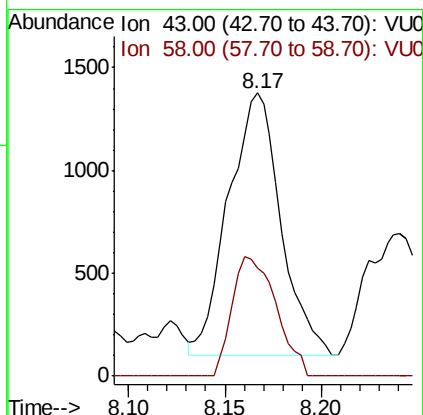
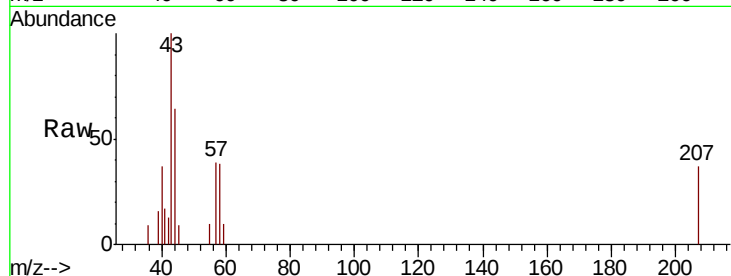




#59
2-Hexanone
Concen: 0.423 ug/l
RT: 8.17 min Scan# 2175
Delta R.T. -0.19 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

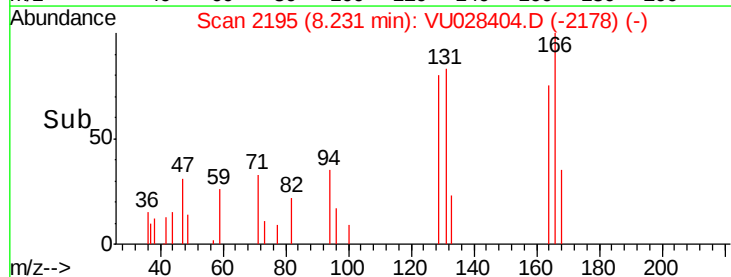
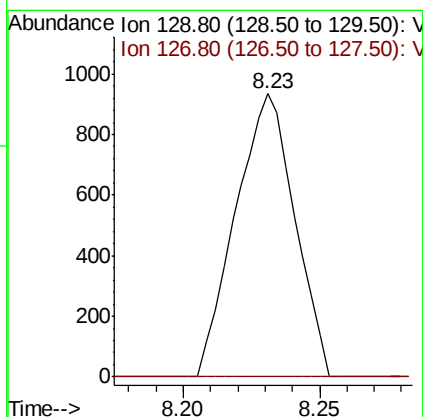
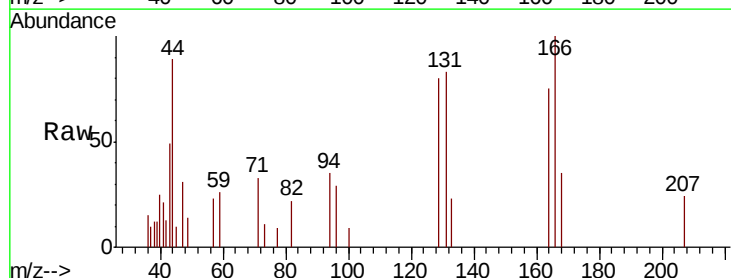
Instrument :
MSVOA_U
ClientSampleId :

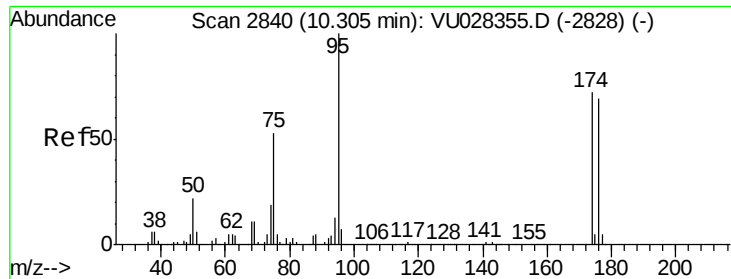
Tot Ion: 43 Resp: 2411
Ion Ratio Lower Upper
43 100
58 38.1 25.5 76.5



#60
Dibromochloromethane
Concen: 0.389 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. -0.24 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Tgt Ion: 129 Resp: 1404
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#

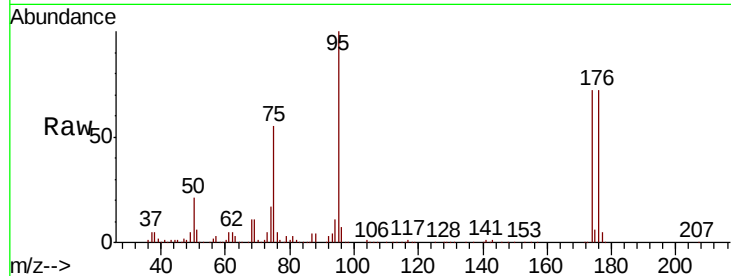




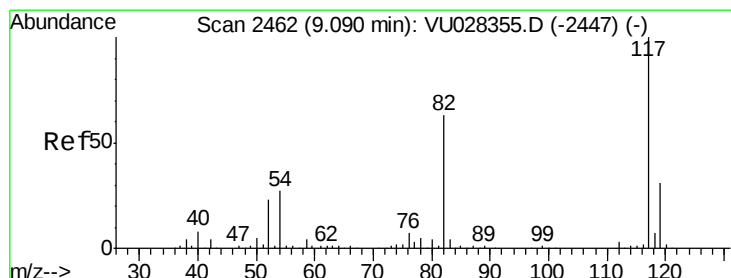
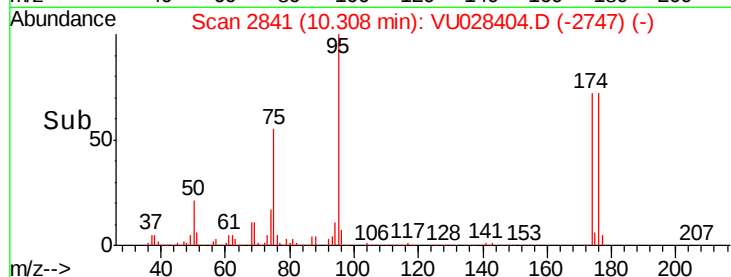
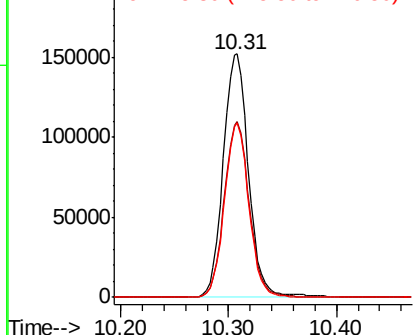
#62
4-Bromofluorobenzene
Concen: 53.039 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 248121
Ion Ratio Lower Upper
95 100
174 71.7 0.0 145.4
176 69.3 0.0 140.8

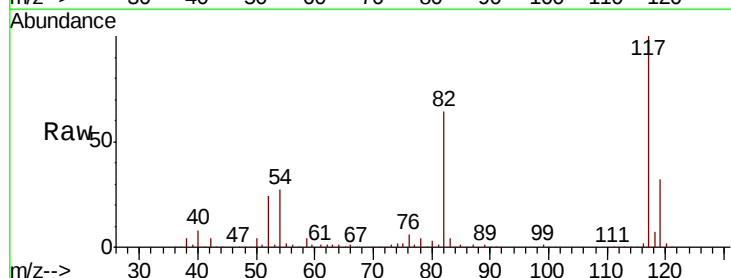


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

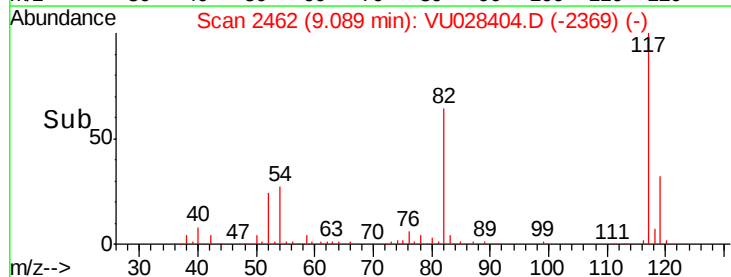
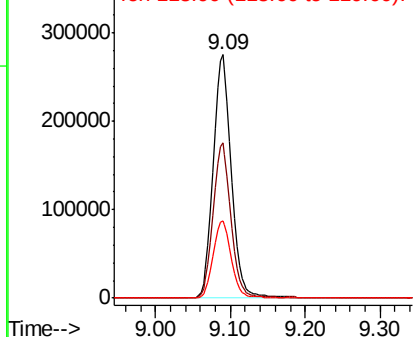


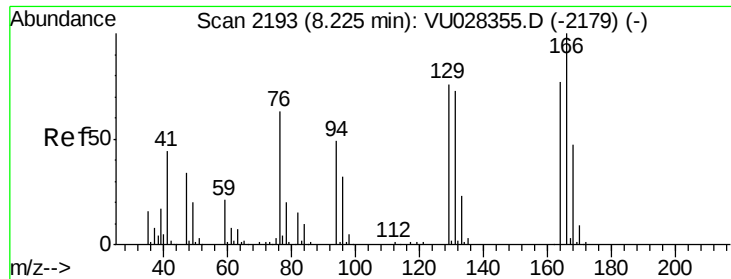
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Tgt Ion: 117 Resp: 466089
Ion Ratio Lower Upper
117 100
82 63.6 50.3 75.5
119 31.9 24.8 37.2



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

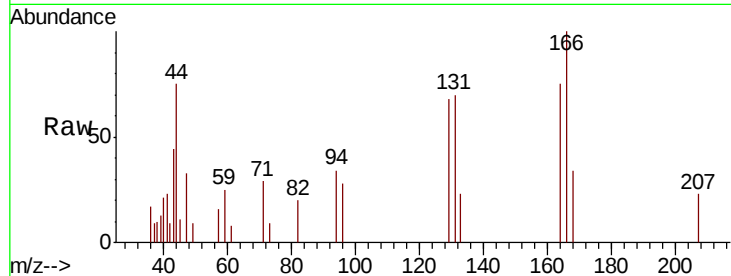




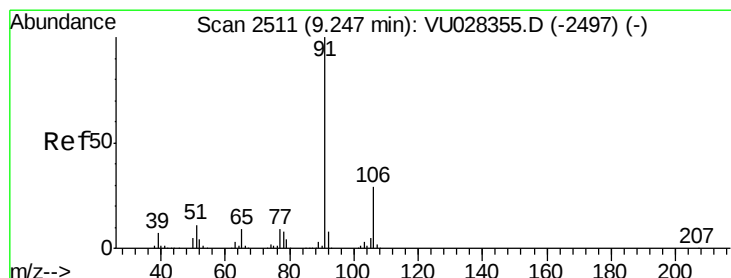
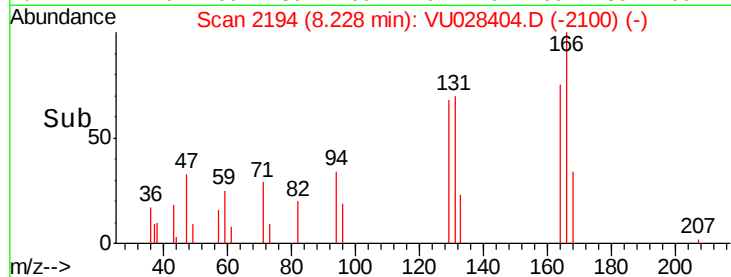
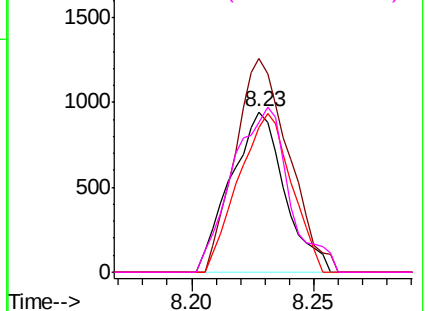
#64
Tetrachloroethene
Concen: 0.472 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 1447
Ion Ratio Lower Upper
164 100
166 133.5 104.0 156.0
129 90.6 79.2 118.8
131 93.5 75.7 113.5

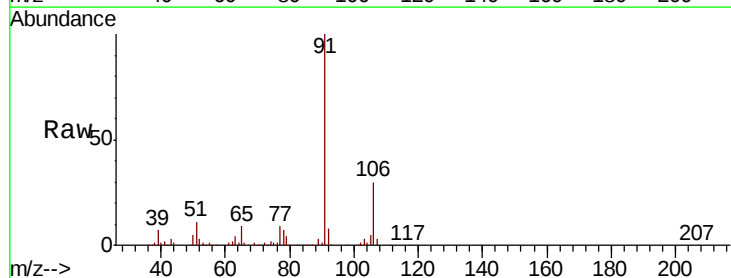


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

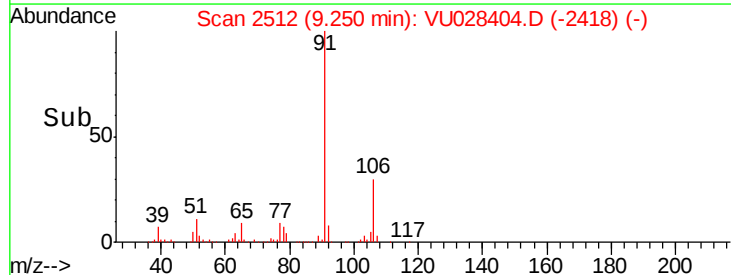
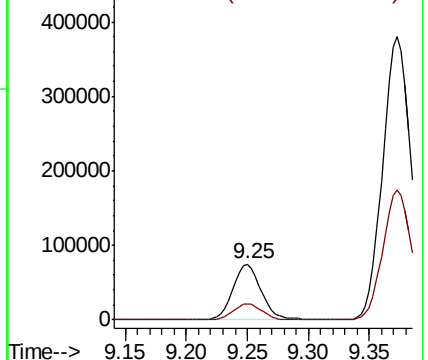


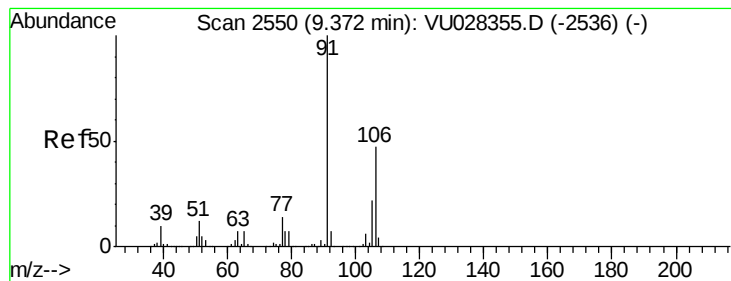
#67
Ethyl Benzene
Concen: 6.671 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Tgt Ion: 91 Resp: 121594
Ion Ratio Lower Upper
91 100
106 29.6 23.3 34.9



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





#68

m/p-Xylenes

Concen: 44.252 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

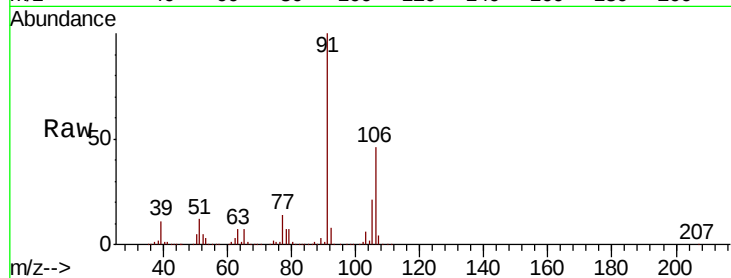
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 290329

Ion Ratio Lower Upper

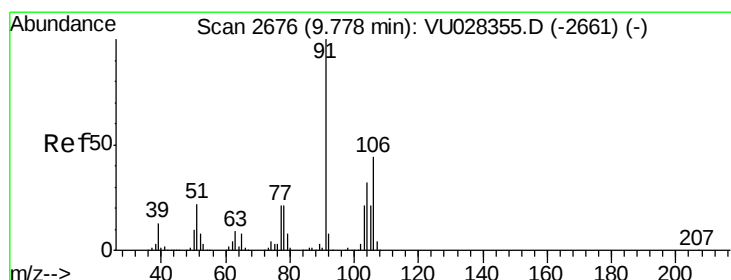
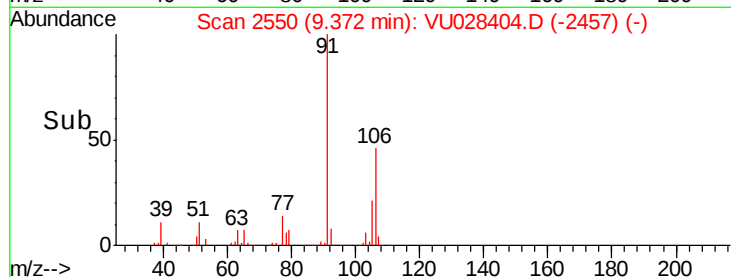
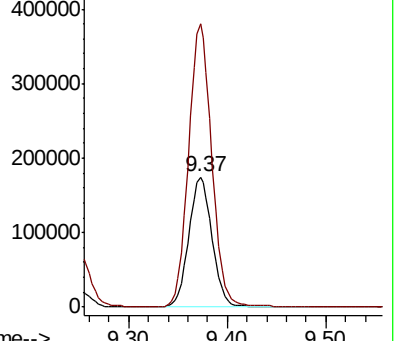
106 100

91 216.0 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 30.093 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028404.D

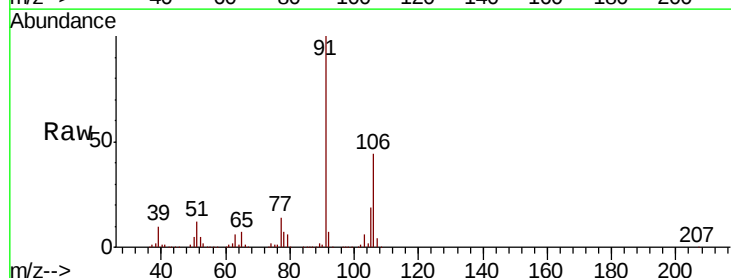
Acq: 29 Nov 2018 19:16

Tgt Ion:106 Resp: 196270

Ion Ratio Lower Upper

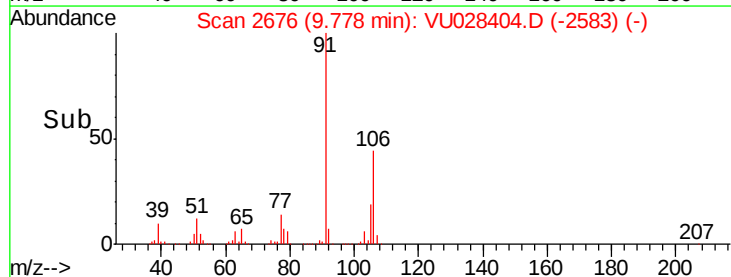
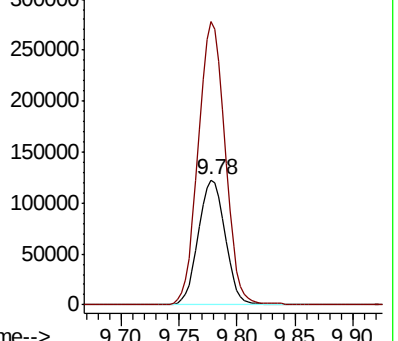
106 100

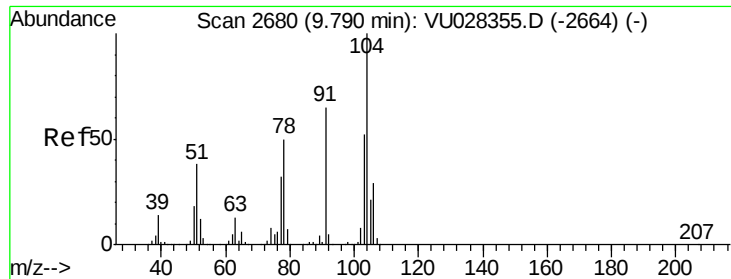
91 226.7 112.7 338.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

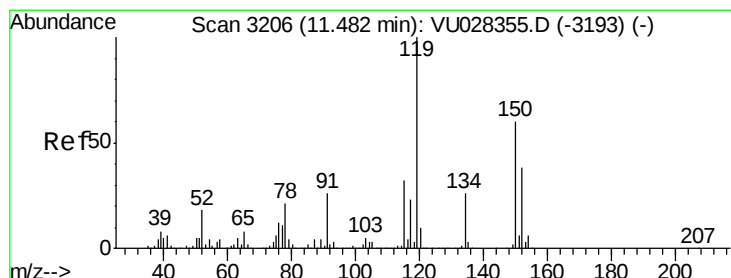
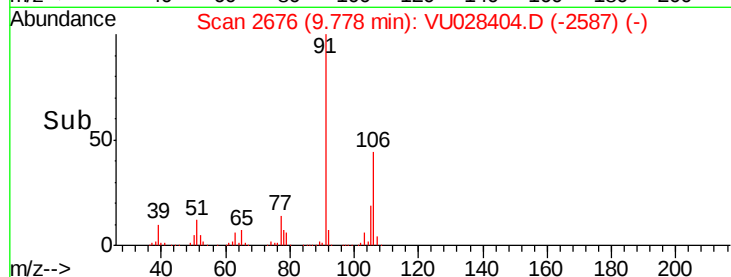
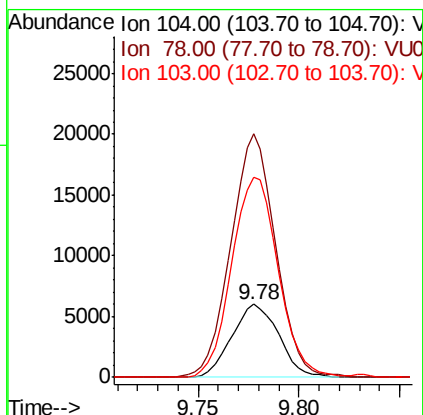
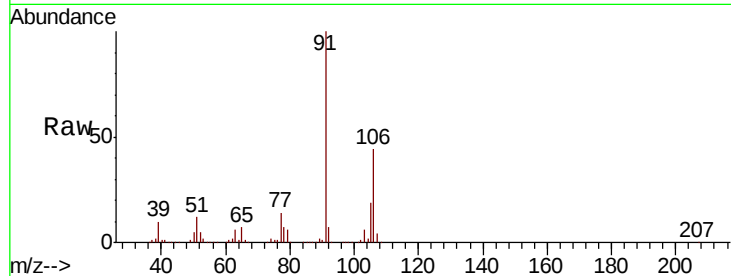




#70
Stvrene
Concen: 0.929 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.01 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

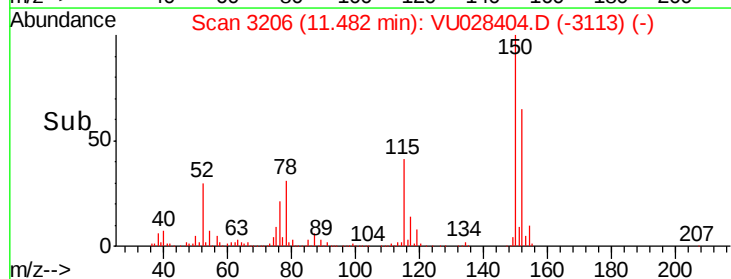
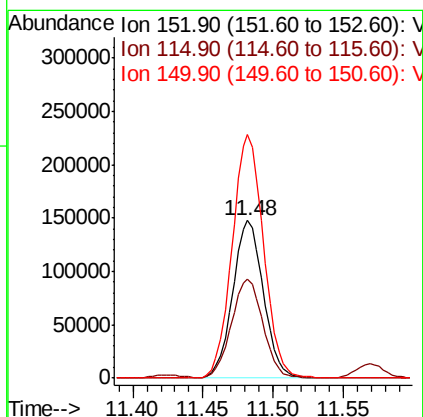
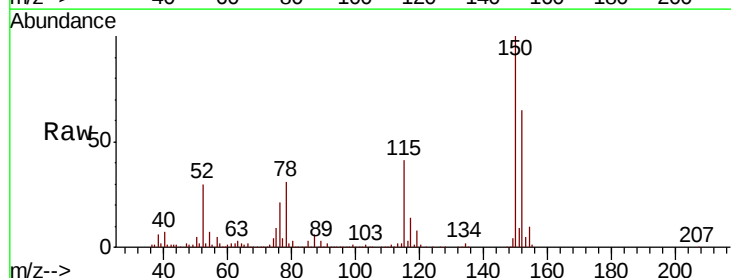
Instrument :
MSVOA_U
ClientSampled :

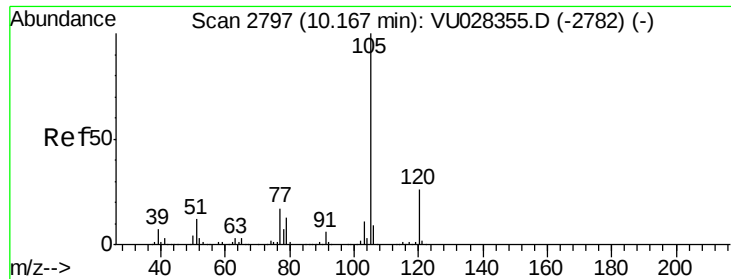
Tot Ion	Ion	Ratio	Lower	Upper
104	100			
78	318.8	43.3	64.9#	
103	273.2	44.8	67.2#	



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	64.1	45.0	134.8	
150	157.6	0.0	349.2	





#73

Isopropylbenzene

Concen: 0.658 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

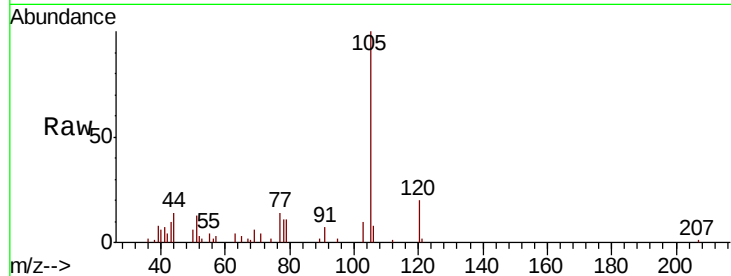
ClientSampleId :

Tot Ion:105 Resp: 11553

Ion Ratio Lower Upper

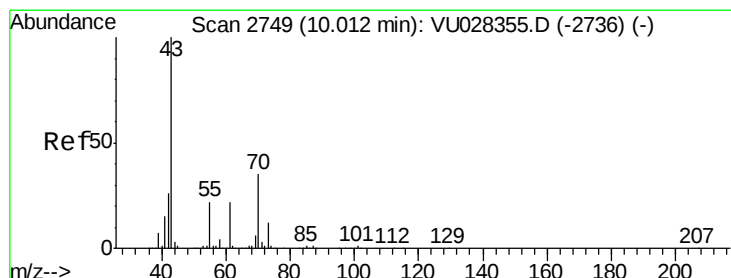
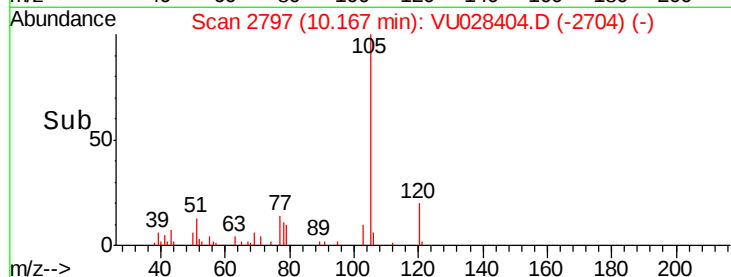
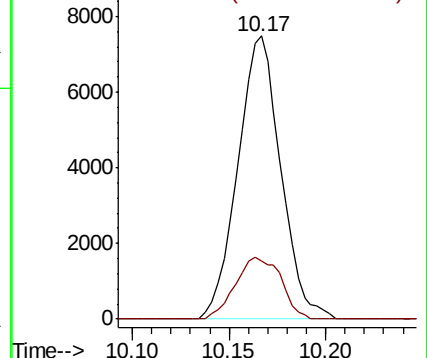
105 100

120 23.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.256 ug/l

RT: 10.05 min Scan# 2760

Delta R.T. 0.04 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Tgt Ion: 43 Resp: 2817

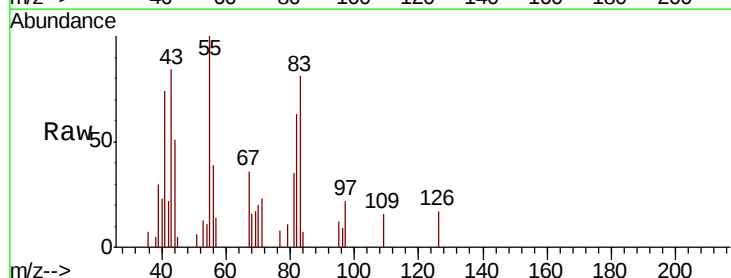
Ion Ratio Lower Upper

43 100

70 14.8 28.4 42.6#

55 179.4 18.0 27.0#

61 0.0 17.6 26.4#

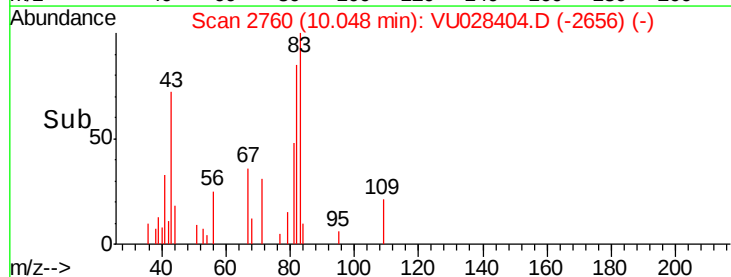
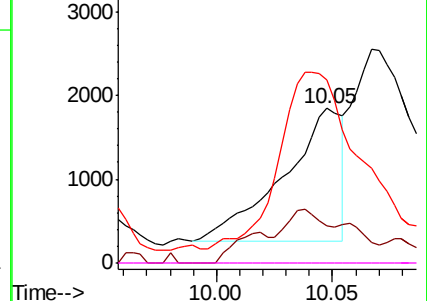


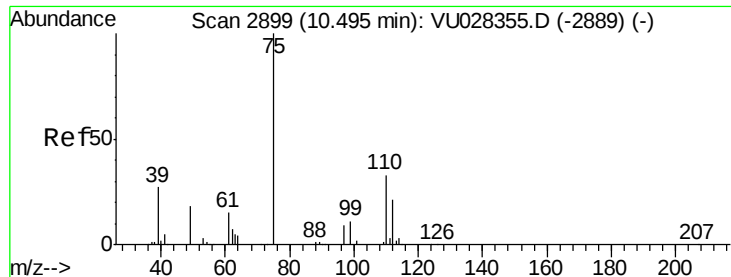
Abundance Ion 43.00 (42.70 to 43.70): VU0

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

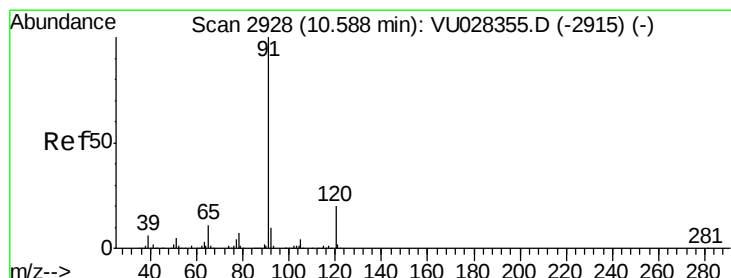
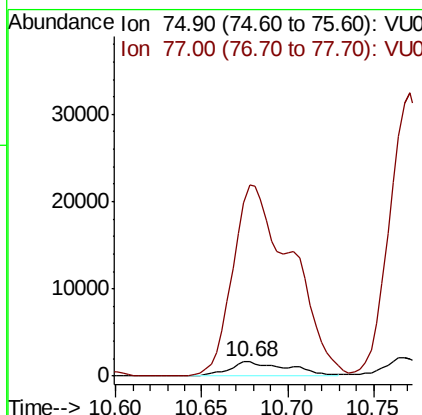
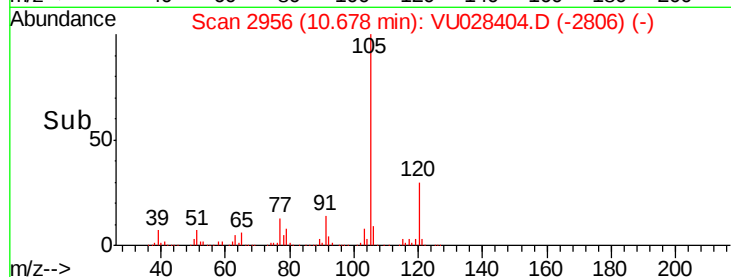
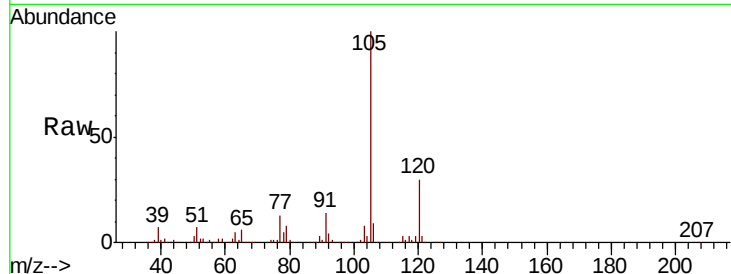




#76
 1,2,3-Trichloropropane
 Concen: 0.648 ug/l
 RT: 10.68 min Scan# 2956
 Delta R.T. 0.18 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

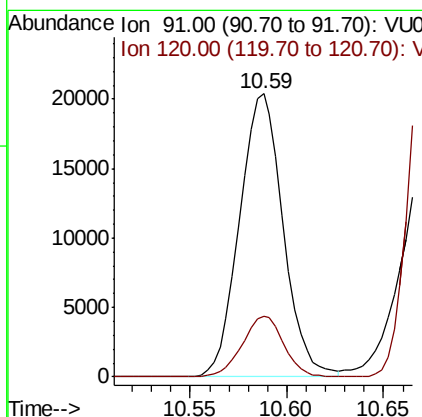
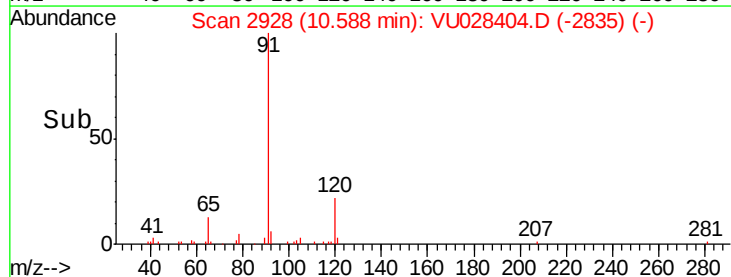
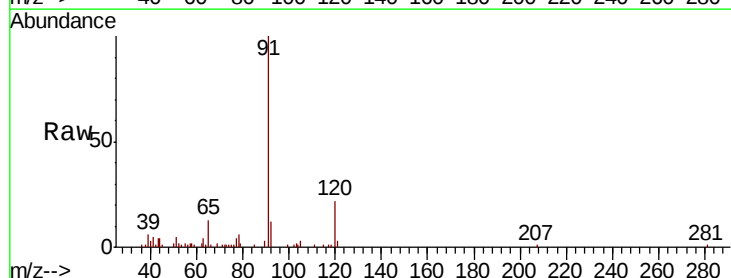
Instrument :
 MSVOA_U
 ClientSampleId :

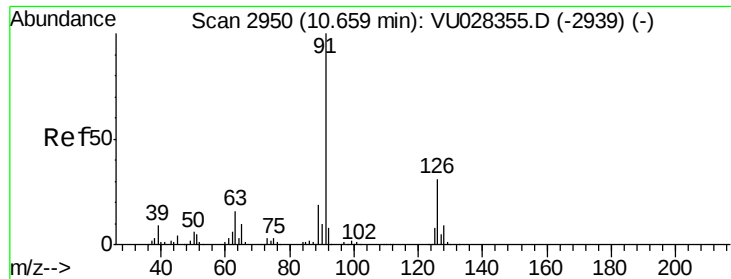
Tot Ion: 75 Resp: 4060
 Ion Ratio Lower Upper
 75 100
 77 1286.2 22.4 67.0#



#78
 n-propylbenzene
 Concen: 1.478 ug/l
 RT: 10.59 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Tgt Ion: 91 Resp: 32025
 Ion Ratio Lower Upper
 91 100
 120 20.4 10.3 30.8





#79

2-Chlorotoluene

Concen: 4.465 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

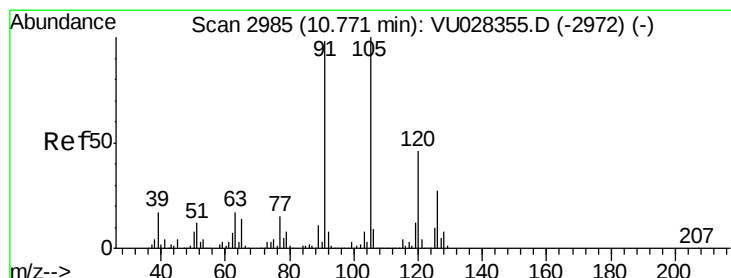
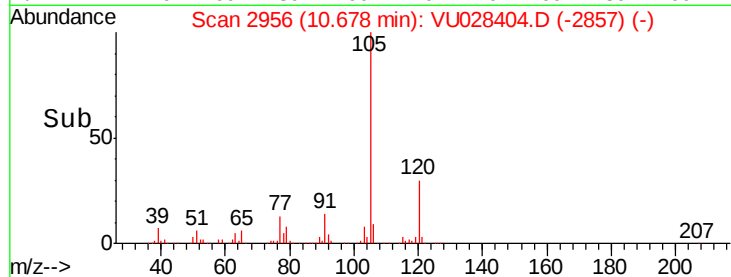
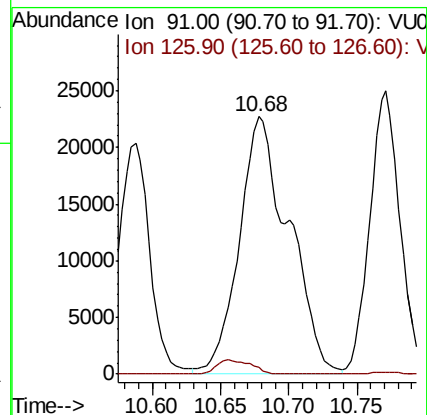
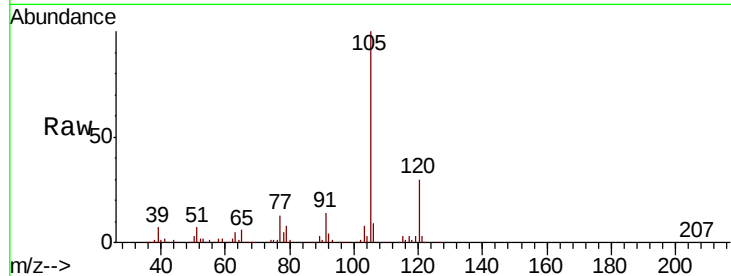
ClientSampleId :

Tot Ion: 91 Resp: 57030

Ion Ratio Lower Upper

91 100

126 0.0 15.4 46.1#



#80

1,3,5-Trimethylbenzene

Concen: 23.250 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028404.D

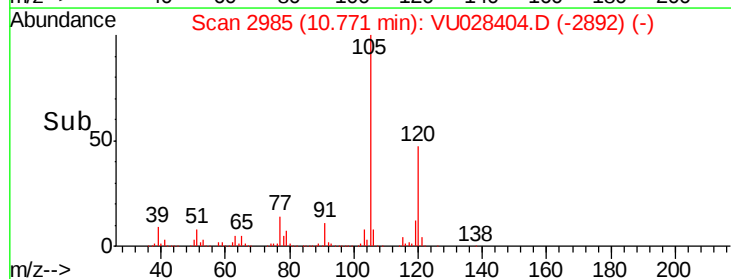
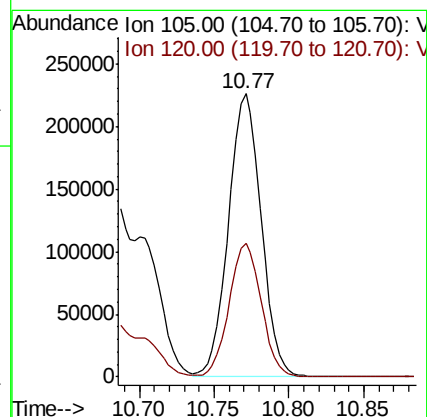
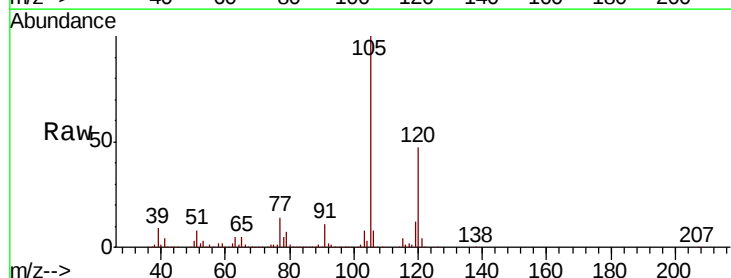
Acq: 29 Nov 2018 19:16

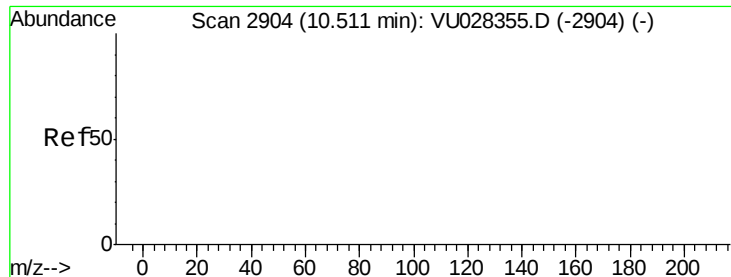
Tgt Ion: 105 Resp: 344087

Ion Ratio Lower Upper

105 100

120 46.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 1.721 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.17 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

ClientSampleId :

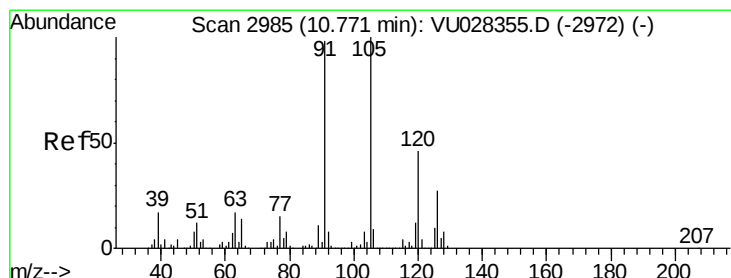
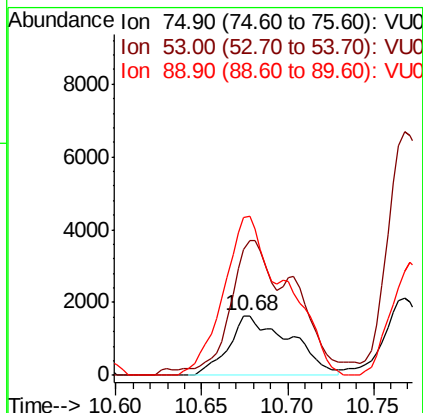
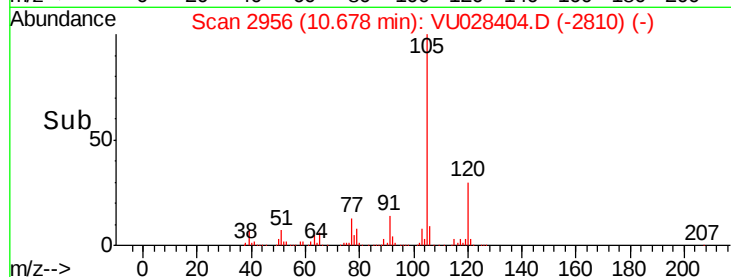
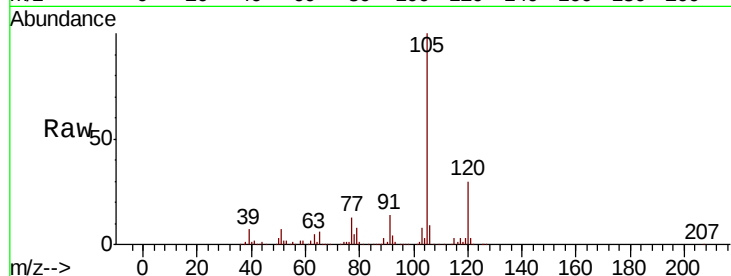
Tot Ion: 75 Resp: 4060

Ion Ratio Lower Upper

75 100

53 136.5 0.0 0.0#

89 269.8 0.0 0.0#



#82

4-Chlorotoluene

Concen: 2.581 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028404.D

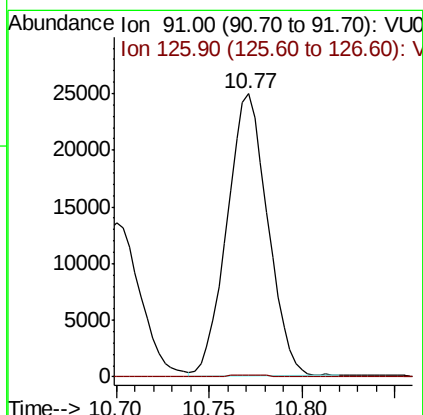
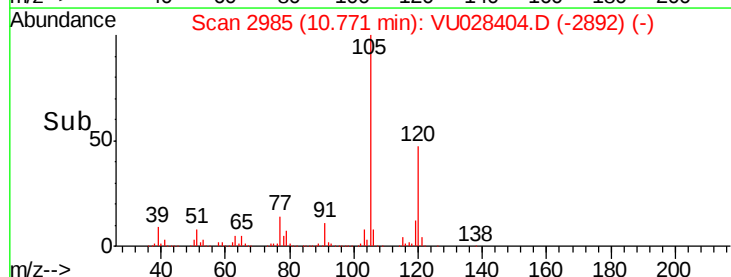
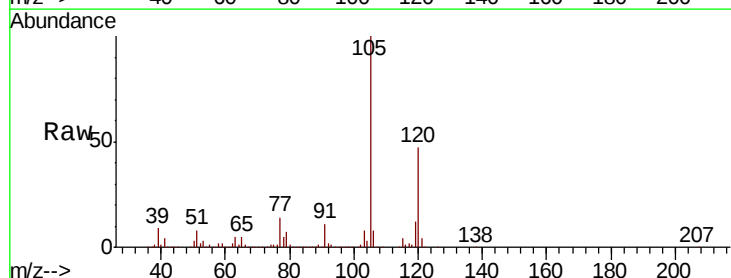
Acq: 29 Nov 2018 19:16

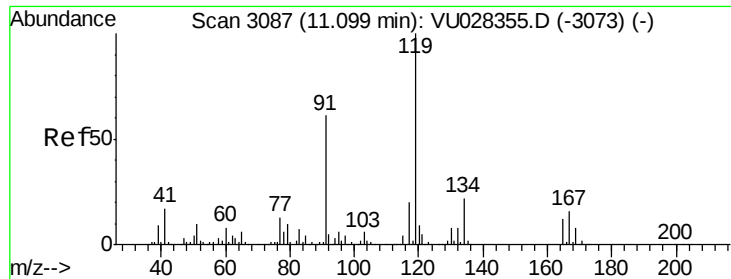
Tgt Ion: 91 Resp: 37979

Ion Ratio Lower Upper

91 100

126 0.6 13.9 41.6#

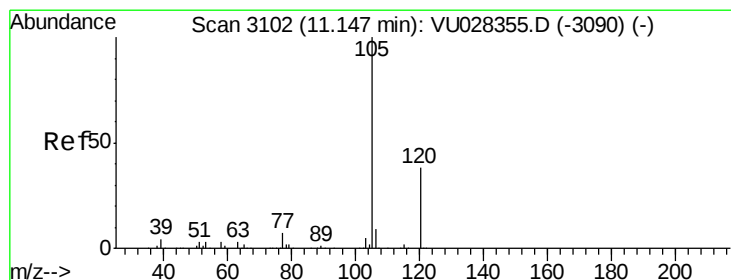
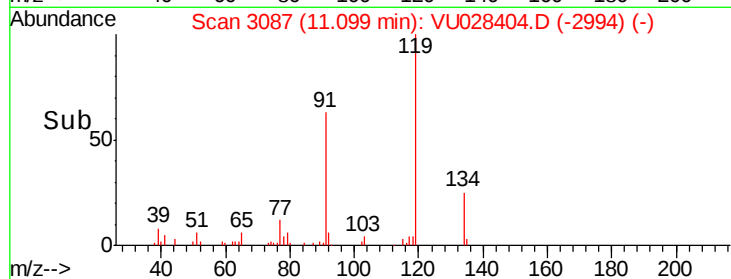
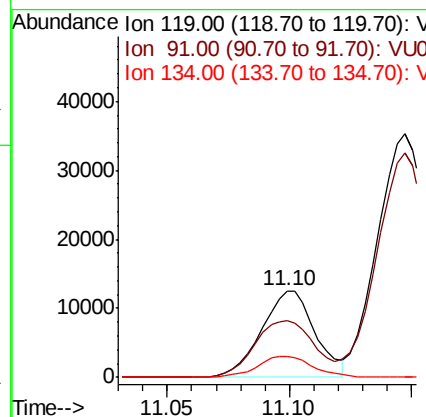
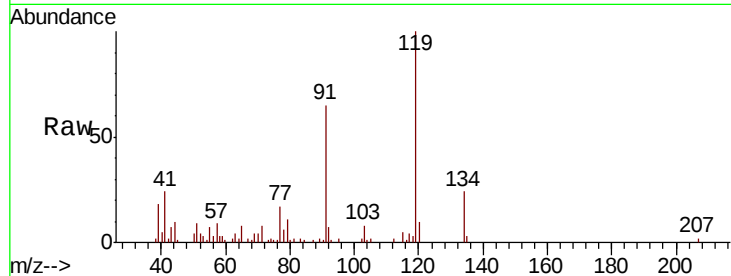




#83
tert-Butylbenzene
Concen: 1.386 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

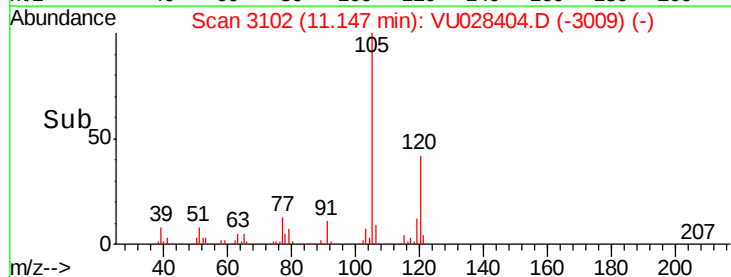
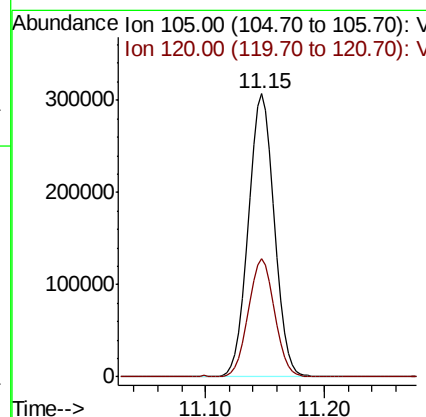
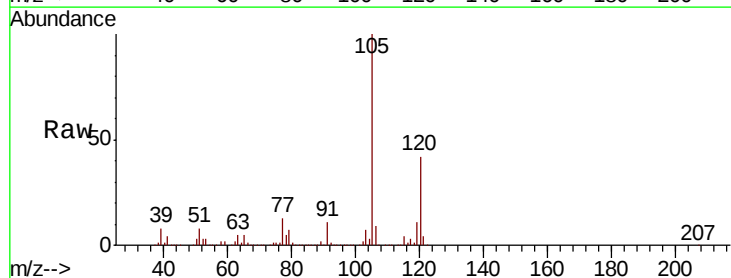
Instrument :
MSVOA_U
ClientSampleId :

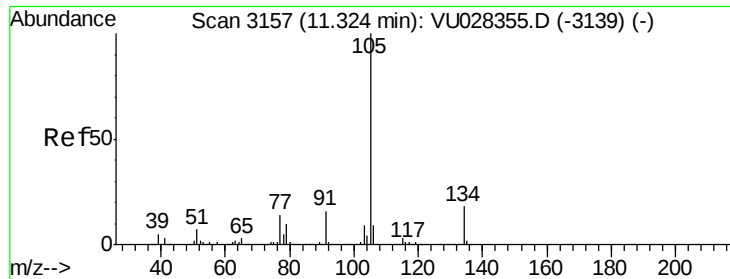
Tot Ion:119 Resp: 19125
Ion Ratio Lower Upper
119 100
91 72.8 30.8 92.4
134 24.8 11.1 33.1



#84
1,2,4-Trimethylbenzene
Concen: 30.792 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Tgt Ion:105 Resp: 461579
Ion Ratio Lower Upper
105 100
120 42.3 21.4 64.3





#85

sec-Butylbenzene

Concen: 25.759 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.18 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

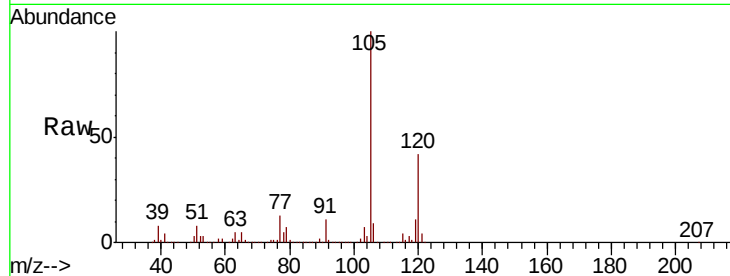
ClientSampleId :

Tot Ion:105 Resp: 461579

Ion Ratio Lower Upper

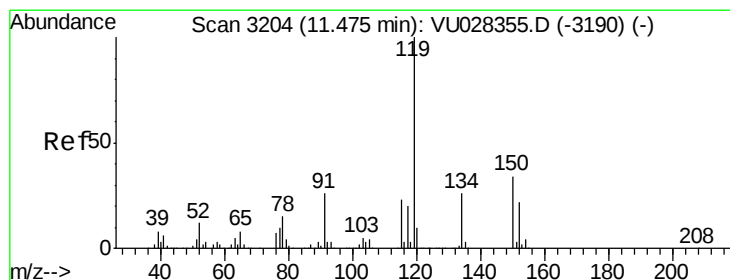
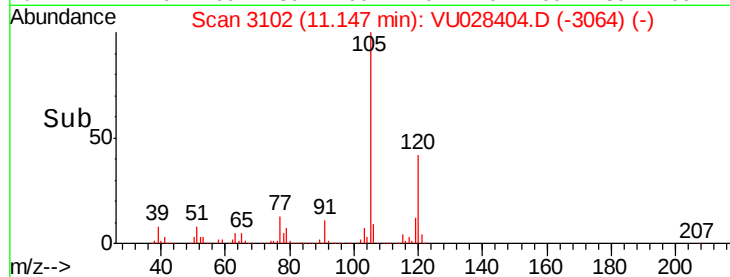
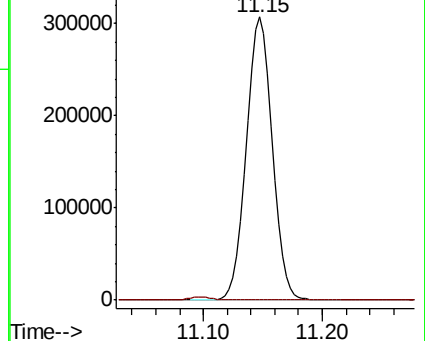
105 100

134 0.0 9.3 27.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.475 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

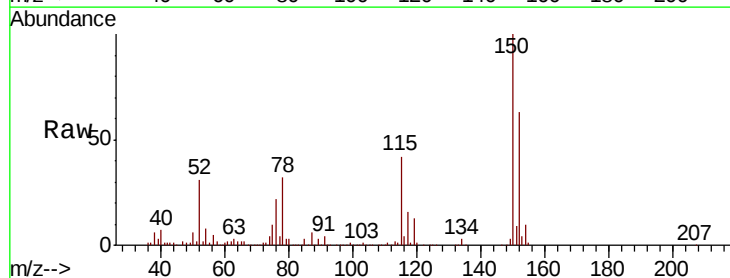
Tgt Ion:119 Resp: 36462

Ion Ratio Lower Upper

119 100

134 26.3 12.8 38.3

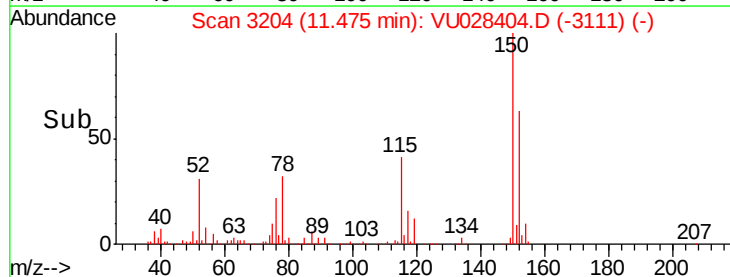
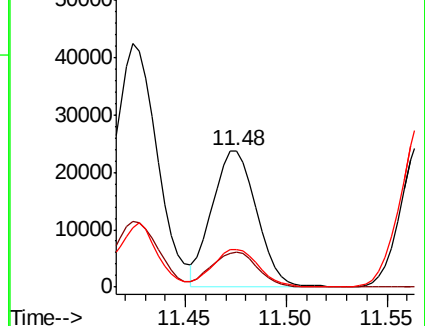
91 28.4 13.1 39.1

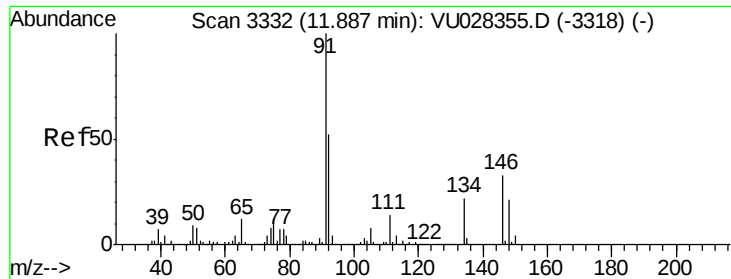


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#89

n-Butylbenzene

Concen: 4.940 ug/l

RT: 11.87 min Scan# 3328

Delta R.T. -0.01 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

ClientSampleId :

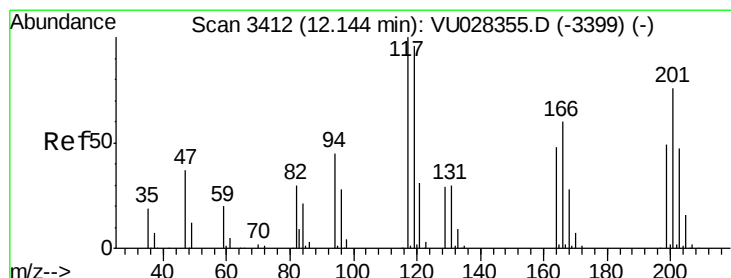
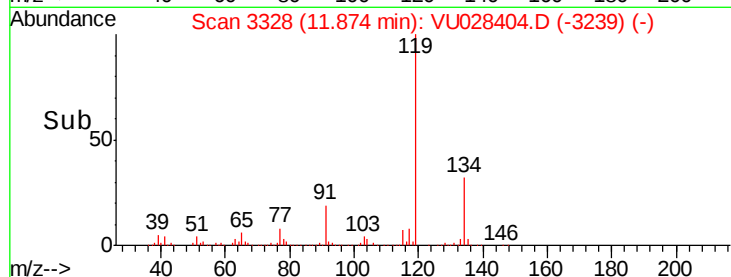
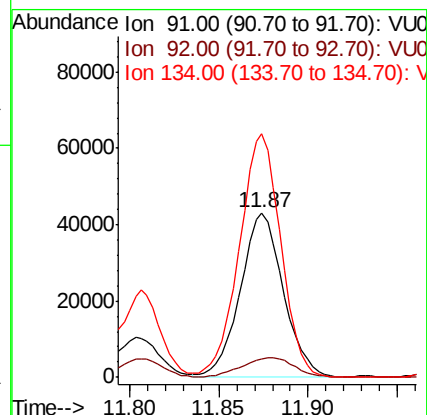
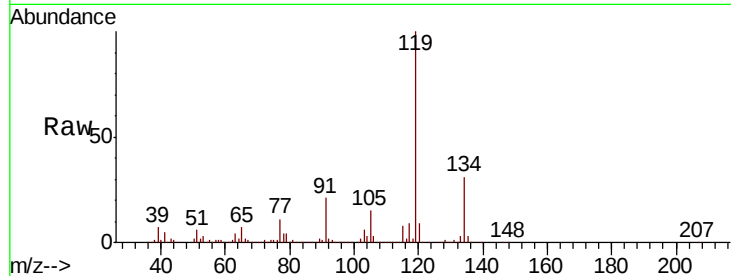
Tot Ion: 91 Resp: 71827

Ion Ratio Lower Upper

91 100

92 14.5 26.2 78.5#

134 143.5 11.1 33.1#



#90

Hexachloroethane

Concen: 3.500 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028404.D

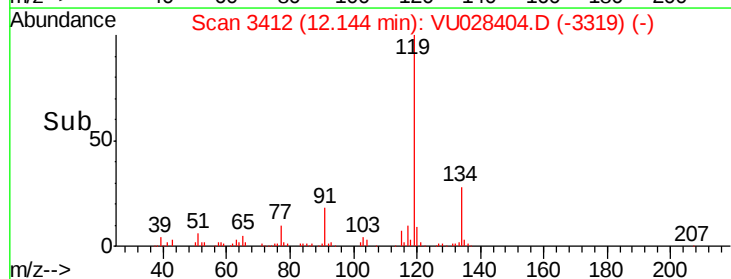
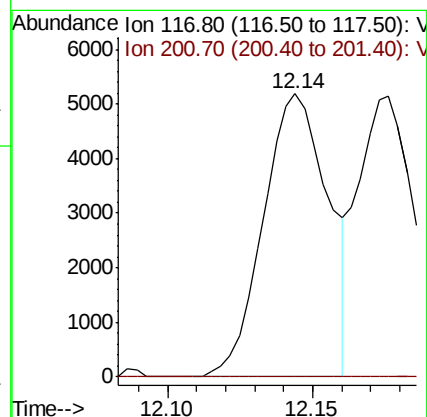
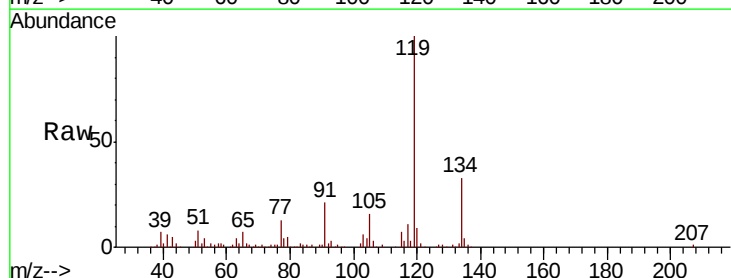
Acq: 29 Nov 2018 19:16

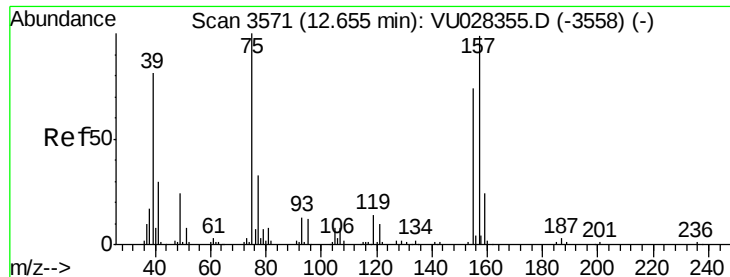
Tgt Ion: 117 Resp: 8051

Ion Ratio Lower Upper

117 100

201 0.0 37.7 113.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.403 ug/l

RT: 12.65 min Scan# 3569

Delta R.T. -0.01 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

ClientSampled :

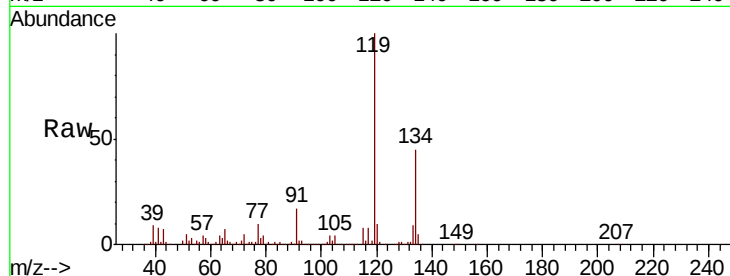
Tot Ion: 75 Resp: 2254

Ion Ratio Lower Upper

75 100

155 0.0 36.9 110.7#

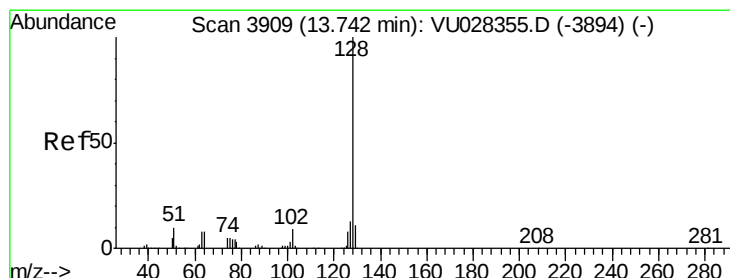
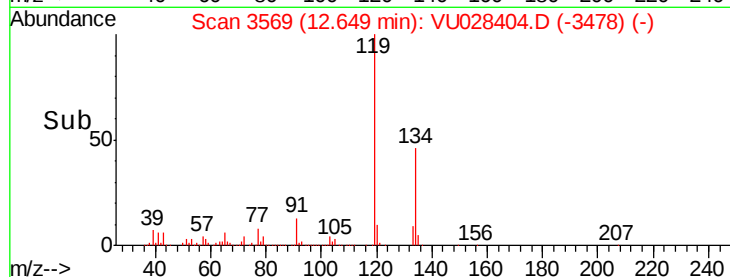
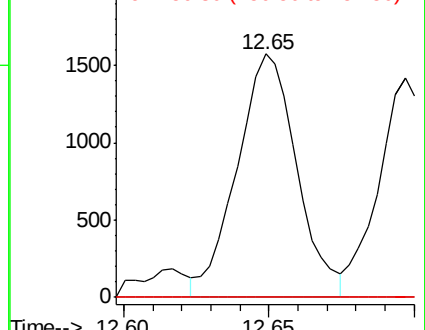
157 0.0 47.5 142.5#



Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-3558) (-)

Ion 154.80 (154.50 to 155.50): VU028355.D (-3558) (-)

Ion 156.80 (156.50 to 157.50): VU028355.D (-3558) (-)



#95

Naphthalene

Concen: 13.177 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

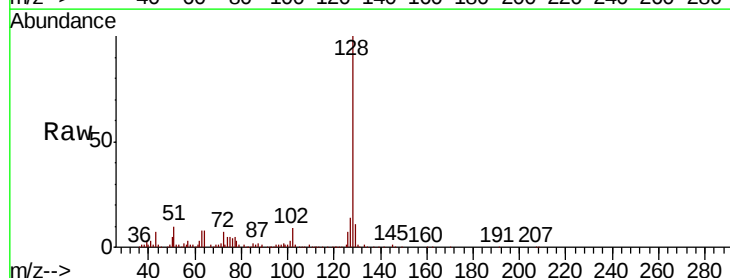
Tgt Ion: 128 Resp: 208353

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VU028355.D (-3894) (-)

Ion 127.00 (126.70 to 127.70): VU028355.D (-3894) (-)

Ion 129.00 (128.70 to 129.70): VU028355.D (-3894) (-)

