

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028405.D
 Acq On : 29 Nov 2018 19:39
 Operator : MD/SY
 Sample : J6134-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 30 07:06:43 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	255021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	492539	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	466780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	232351	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	225678	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
35) Dibromofluoromethane	4.88	113	160866	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	7.57	98	653509	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	10.30	95	247974	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1932	0.291	ug/l	97
4) Vinyl Chloride	1.41	62	36434	7.853	ug/l #	72
6) Chloroethane	1.48	64	18124	6.789	ug/l #	53
11) Tert butyl alcohol	2.82	59	2855	2.949	ug/l #	82
13) Acrolein	2.19	56	411	0.477	ug/l #	1
16) Acetone	2.32	43	18511	7.100	ug/l	94
17) Carbon Disulfide	2.48	76	5317	0.508	ug/l #	92
20) Methylene Chloride	2.70	84	1169	0.244	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	7396	2.341	ug/l	89
25) 2-Butanone	4.28	43	2651	0.709	ug/l	92
27) cis-1,2-Dichloroethene	4.22	96	738707	197.690	ug/l	88
31) Cyclohexane	4.99	56	11173	1.199	ug/l #	20
36) 1,1-Dichloropropene	4.98	75	23830	4.421	ug/l #	50
38) Carbon Tetrachloride	4.99	117	26107	5.899	ug/l #	16
39) Methylcyclohexane	6.41	83	5400	0.850	ug/l	91
40) Benzene	5.39	78	18280	1.145	ug/l	99
44) Trichloroethene	6.19	130	1660	0.485	ug/l	55
48) Methyl methacrylate	6.66	41	1639	0.270	ug/l #	79
51) 4-Methyl-2-Pentanone	7.46	43	1575	0.212	ug/l	91
52) Toluene	7.64	92	317440	34.533	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	1893	0.495	ug/l #	13
59) 2-Hexanone	8.38	43	2179	0.378	ug/l	64
60) Dibromochloromethane	8.23	129	1408	0.387	ug/l #	10
64) Tetrachloroethene	8.23	164	1680	0.547	ug/l #	72
67) Ethyl Benzene	9.25	91	121687	6.666	ug/l	98
68) m/p-Xylenes	9.37	106	297778	45.320	ug/l	100
69) o-Xylene	9.78	106	200257	30.659	ug/l	99
70) Styrene	9.78	104	10149	0.963	ug/l #	1
73) Isopropylbenzene	10.17	105	11527	0.638	ug/l	95
74) N-amyl acetate	10.07	43	8067	0.712	ug/l #	47
76) 1,2,3-Trichloropropane	10.30	75	128911	20.007	ug/l #	34
78) n-propylbenzene	10.58	91	32451	1.456	ug/l	100
79) 2-Chlorotoluene	10.68	91	58452	4.448	ug/l #	44
80) 1,3,5-Trimethylbenzene	10.77	105	349903	22.977	ug/l	100

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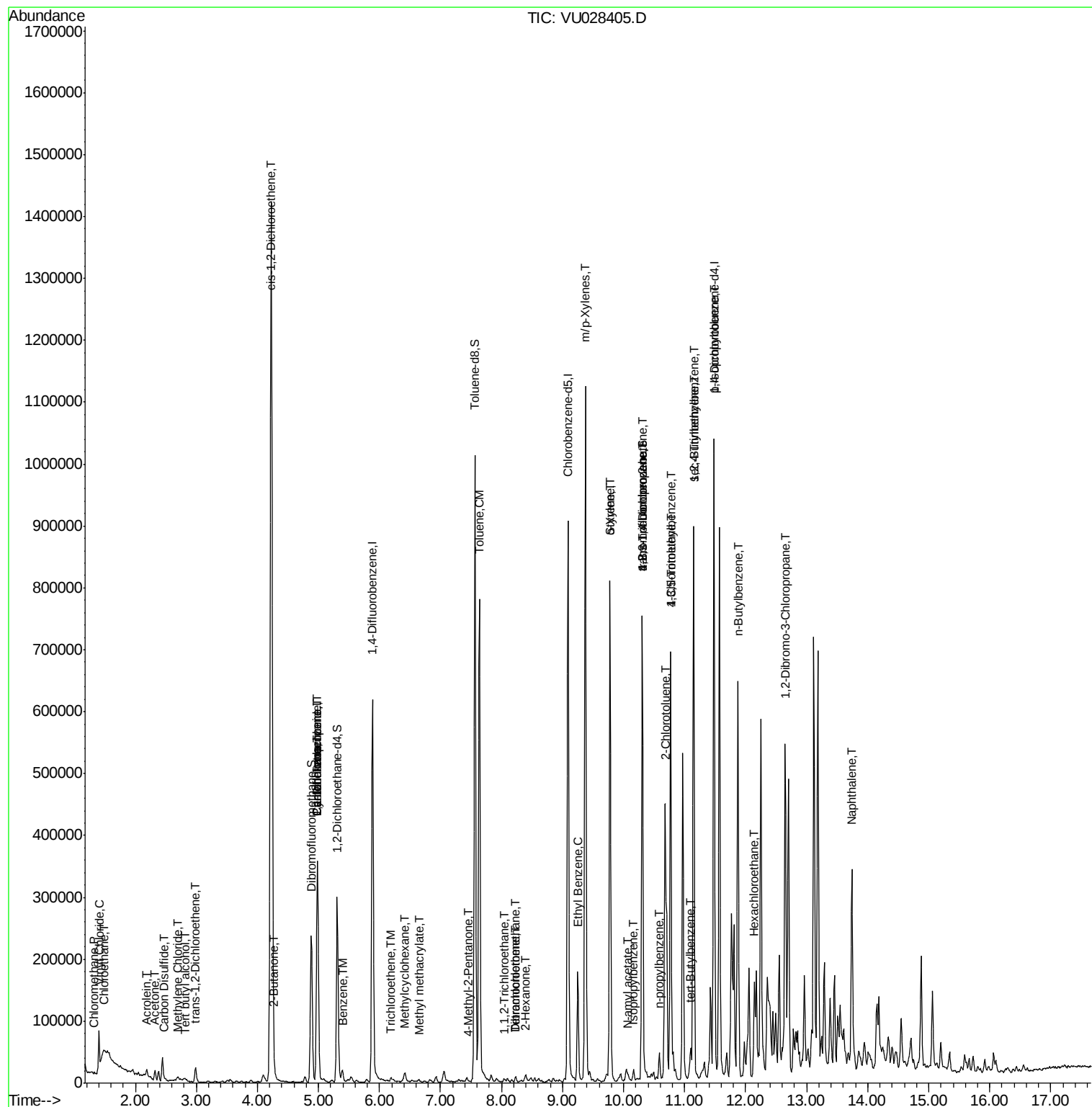
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	10.30	75	128911	53.108	ug/l #	100
82) 4-Chlorotoluene	10.77	91	38970	2.574	ug/l #	49
83) tert-Butylbenzene	11.10	119	18937	1.334	ug/l	88
84) 1,2,4-Trimethylbenzene	11.15	105	470970	30.534	ug/l	100
85) sec-Butylbenzene	11.15	105	470970	25.543	ug/l #	59
86) p-Isopropyltoluene	11.47	119	39397	2.599	ug/l	98
89) n-Butylbenzene	11.87	91	70087	4.684	ug/l #	1
90) Hexachloroethane	12.14	117	7100	3.000	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.65	75	1969	1.191	ug/l #	7
95) Naphthalene	13.74	128	211694	13.047	ug/l	98

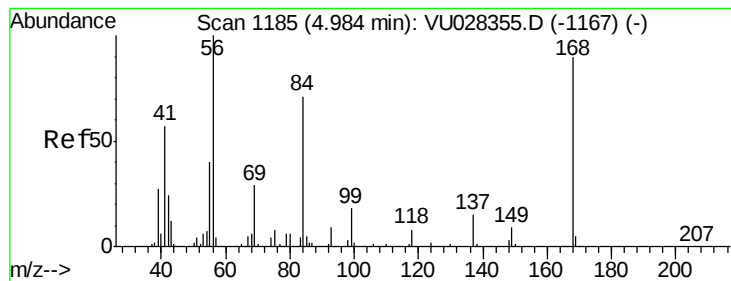
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028405.D

Acq: 29 Nov 2018 19:39

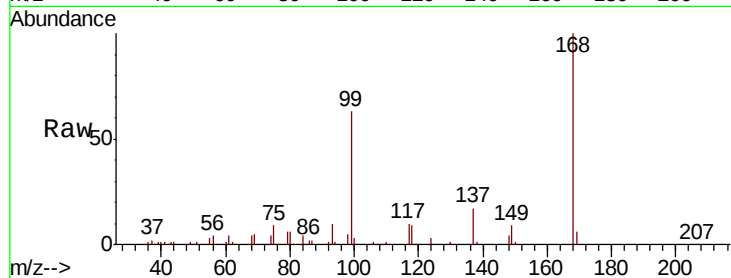
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 255021

Ion Ratio Lower Upper

168 100

99 63.0 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) (-)

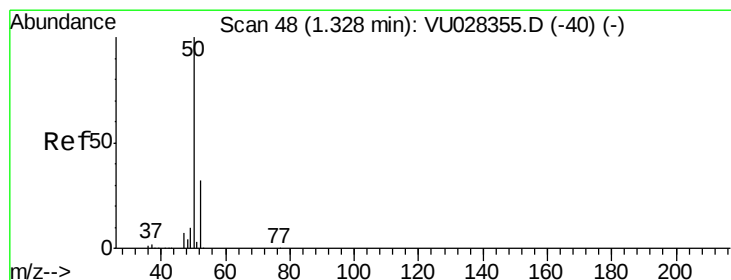
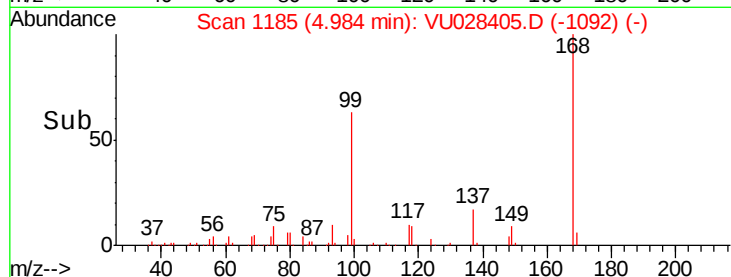
4.98

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.291 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028405.D

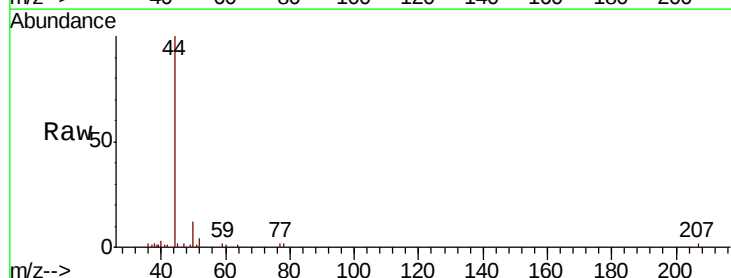
Acq: 29 Nov 2018 19:39

Tgt Ion: 50 Resp: 1932

Ion Ratio Lower Upper

50 100

52 33.7 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

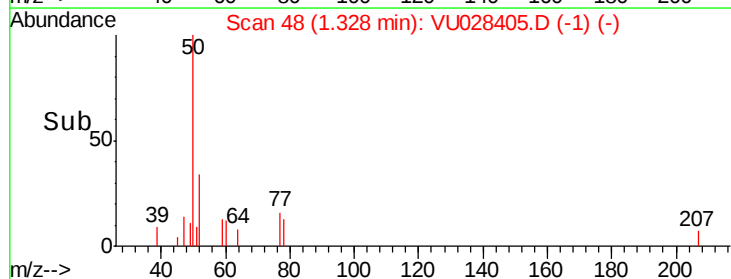
1500

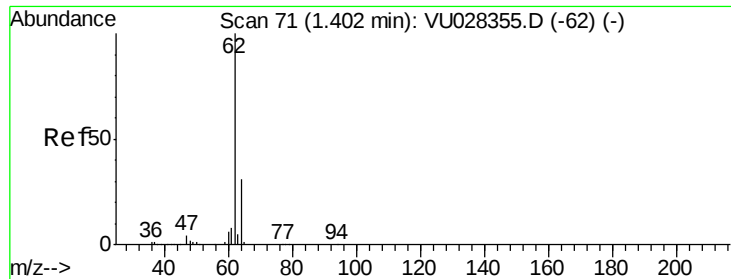
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 7.853 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

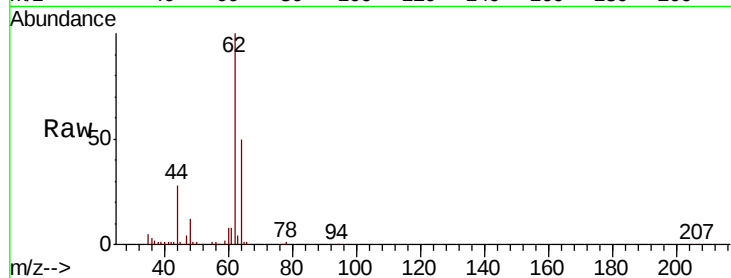
ClientSampleId :

Tot Ion: 62 Resp: 36434

Ion Ratio Lower Upper

62 100

64 46.4 25.0 37.4#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.41

40000

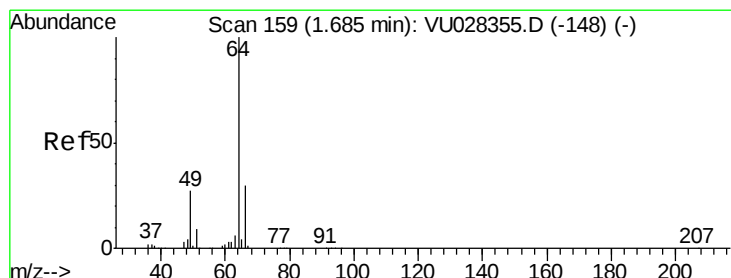
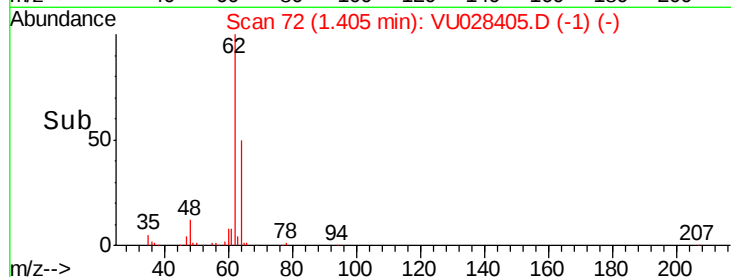
30000

20000

10000

0

Time--> 1.35 1.40 1.45



#6

Chloroethane

Concen: 6.789 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.20 min

Lab File: VU028405.D

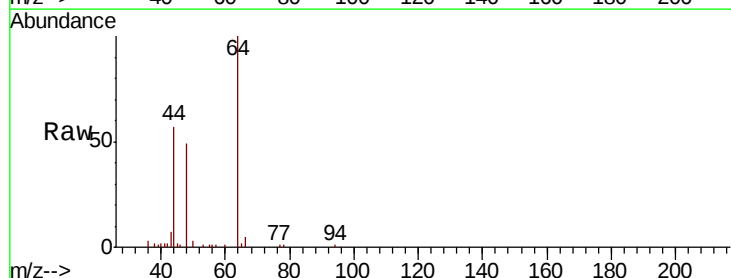
Acq: 29 Nov 2018 19:39

Tgt Ion: 64 Resp: 18124

Ion Ratio Lower Upper

64 100

66 4.0 23.6 35.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.48

25000

20000

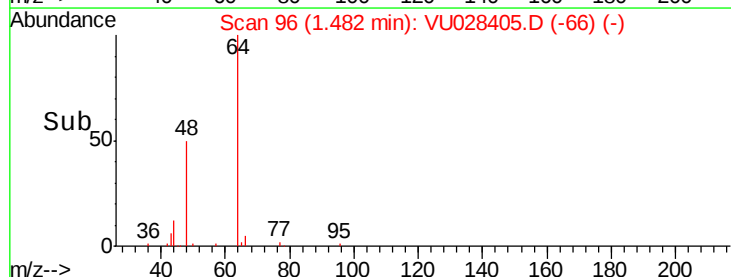
15000

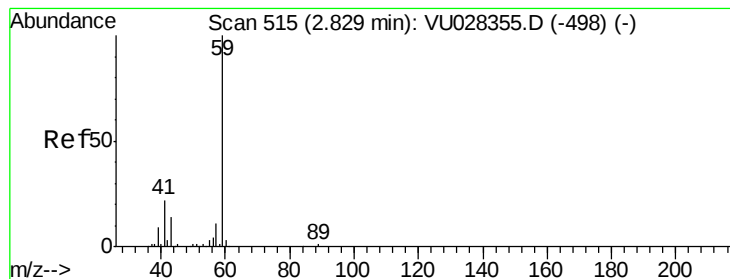
10000

5000

0

Time--> 1.45 1.50



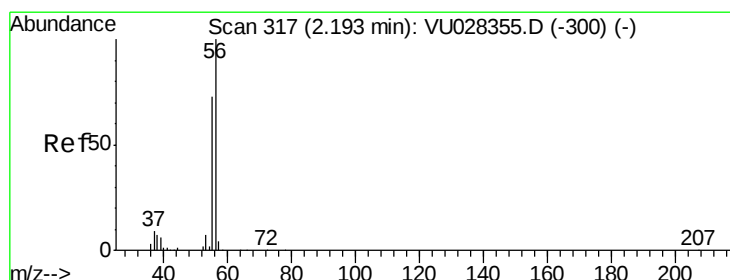
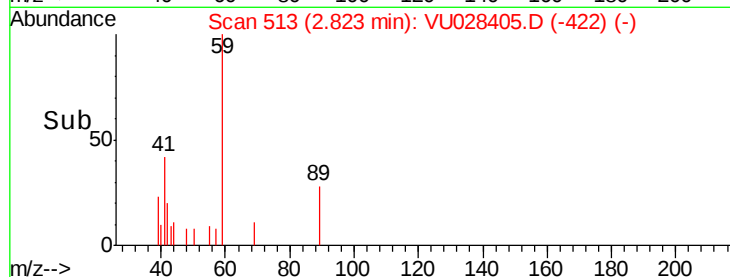
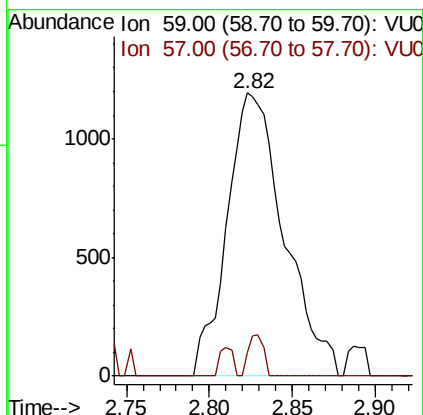
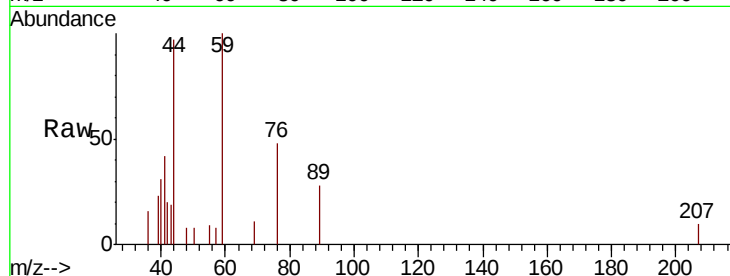


#11

Tert butyl alcohol
 Concen: 2.949 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

Instrument :
 MSVOA_U
 ClientSampled :

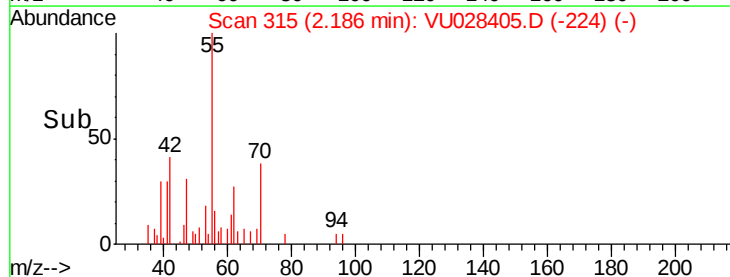
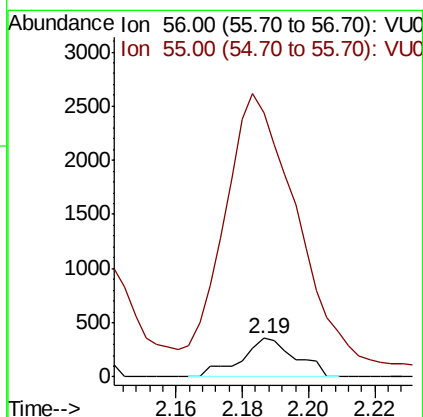
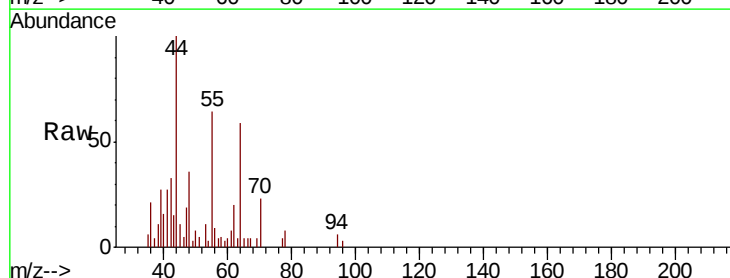
Tot Ion: 59 Resp: 2855
 Ion Ratio Lower Upper
 59 100
 57 3.9 8.3 12.5#

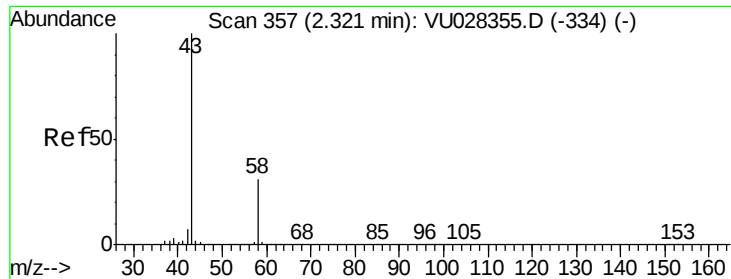


#13

Acrolein
 Concen: 0.477 ug/l
 RT: 2.19 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

Tgt Ion: 56 Resp: 411
 Ion Ratio Lower Upper
 56 100
 55 1027.3 56.6 85.0#





#16

Acetone

Concen: 7.100 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

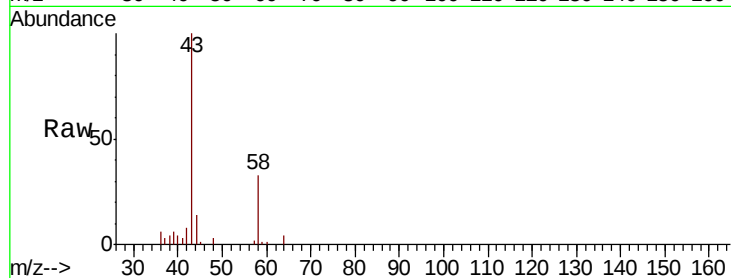
ClientSampleId :

Tot Ion: 43 Resp: 18511

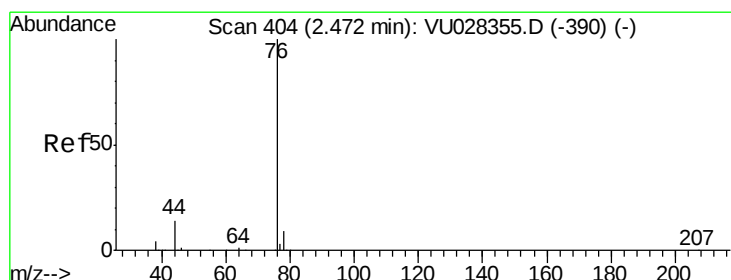
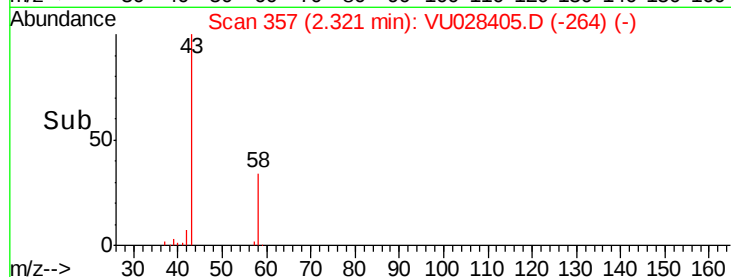
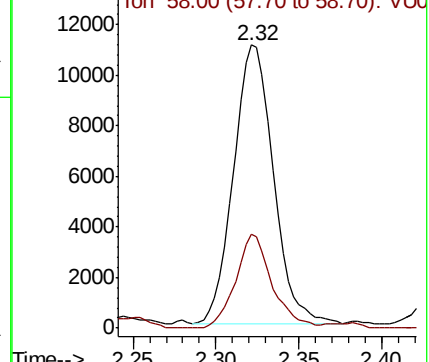
Ion Ratio Lower Upper

43 100

58 33.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-334) (-)



#17

Carbon Disulfide

Concen: 0.508 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU028405.D

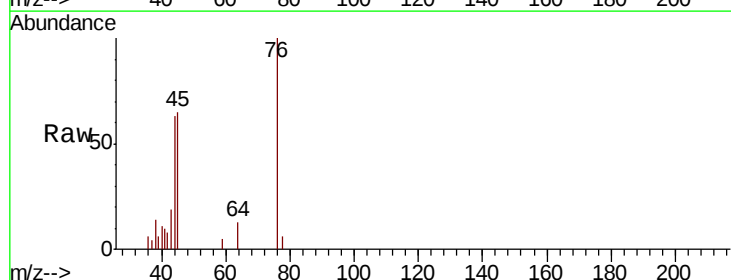
Acq: 29 Nov 2018 19:39

Tgt Ion: 76 Resp: 5317

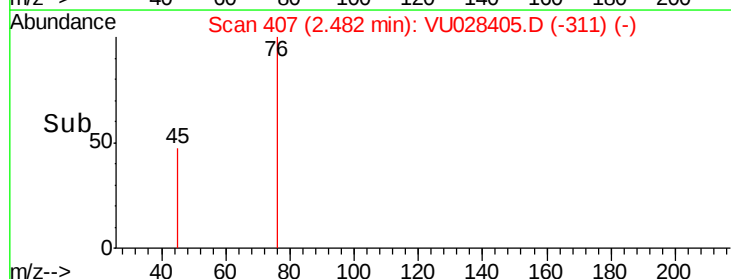
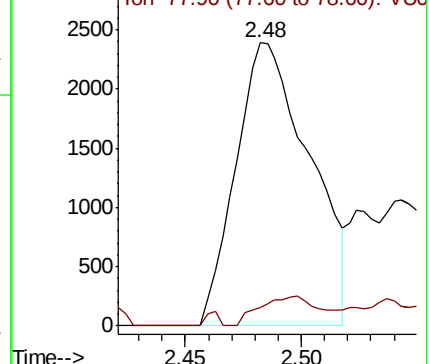
Ion Ratio Lower Upper

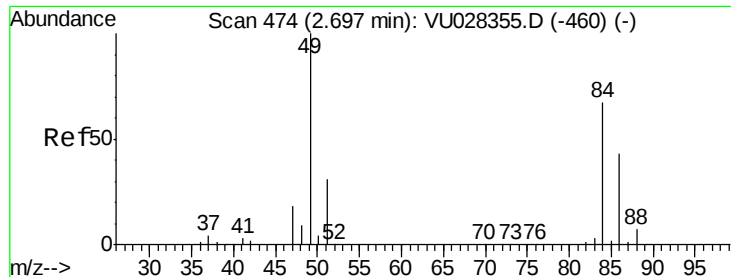
76 100

78 6.3 7.4 11.2#



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

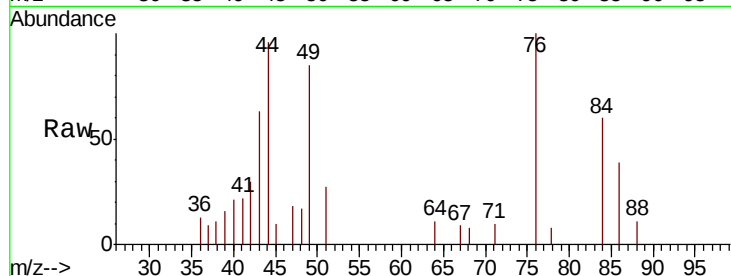




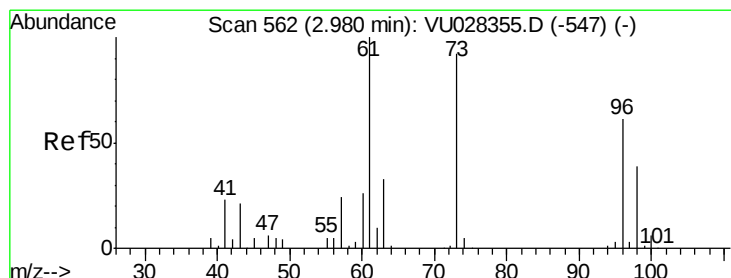
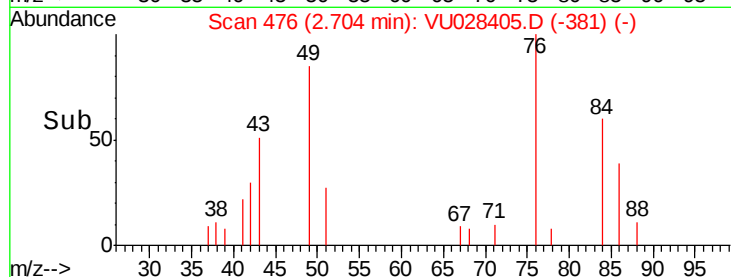
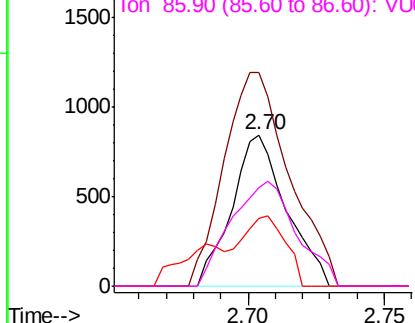
#20
Methvlene Chloride
Concen: 0.244 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 1169
Ion Ratio Lower Upper
84 100
49 141.1 120.0 180.0
51 44.5 36.9 55.3
86 65.3 51.1 76.7

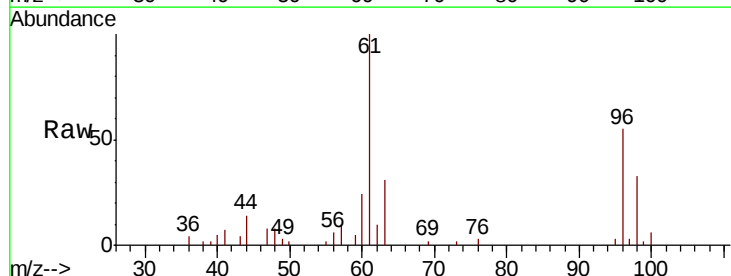


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

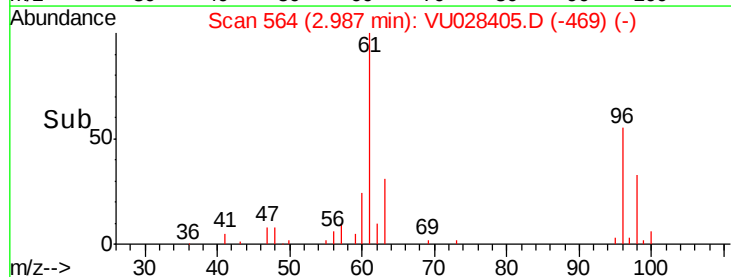
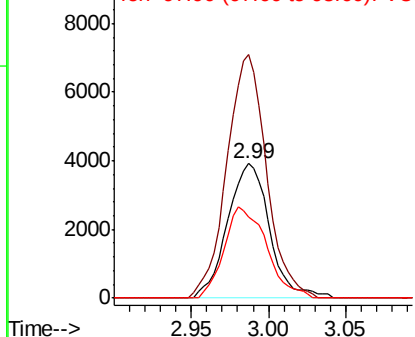


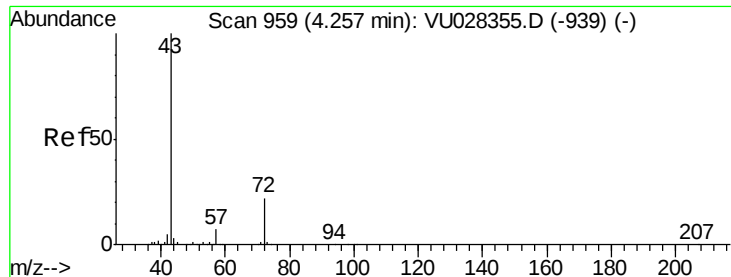
#21
trans-1,2-Dichloroethene
Concen: 2.341 ug/l
RT: 2.99 min Scan# 564
Delta R.T. 0.01 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Tgt Ion: 96 Resp: 7396
Ion Ratio Lower Upper
96 100
61 181.3 131.1 196.7
98 60.3 51.7 77.5



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





#25

2-Butanone

Concen: 0.709 ug/l

RT: 4.28 min Scan# 967

Delta R.T. 0.03 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

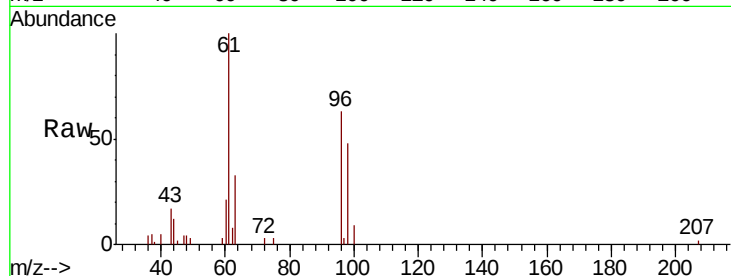
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 2651

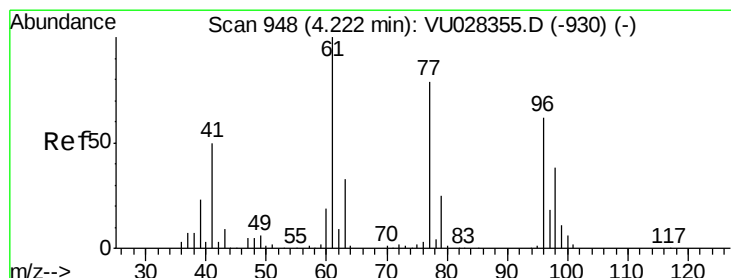
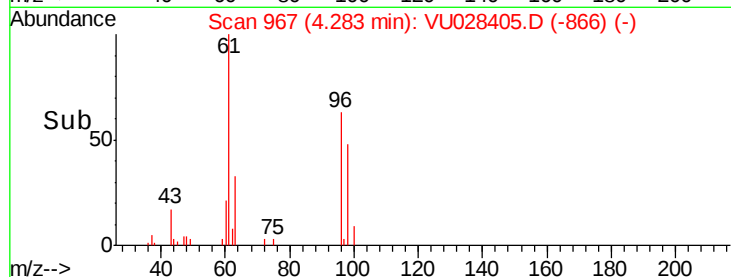
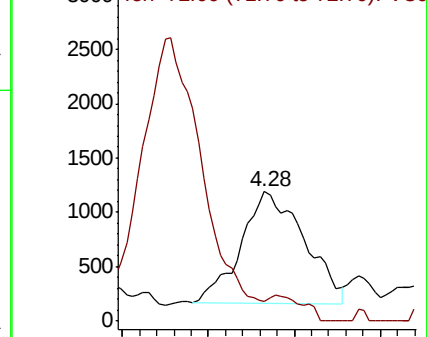
Ion Ratio Lower Upper

43 100

72 18.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 197.690 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

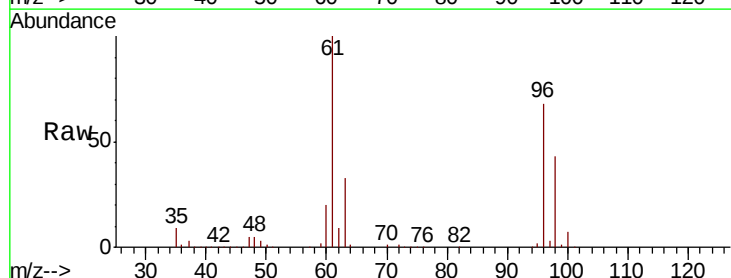
Tgt Ion: 96 Resp: 738707

Ion Ratio Lower Upper

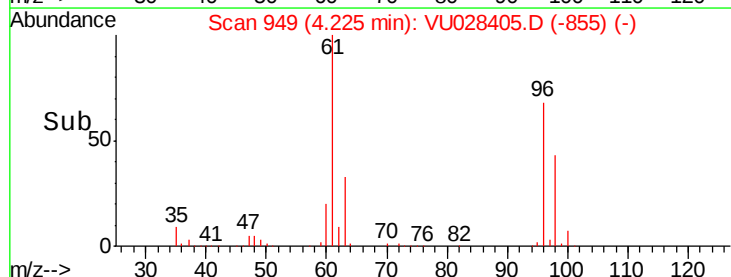
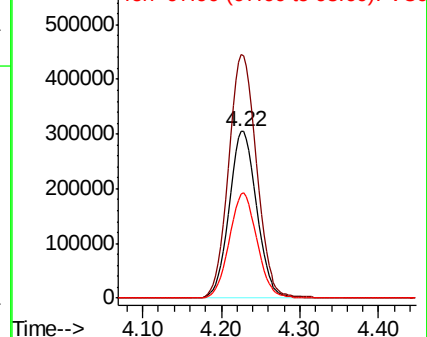
96 100

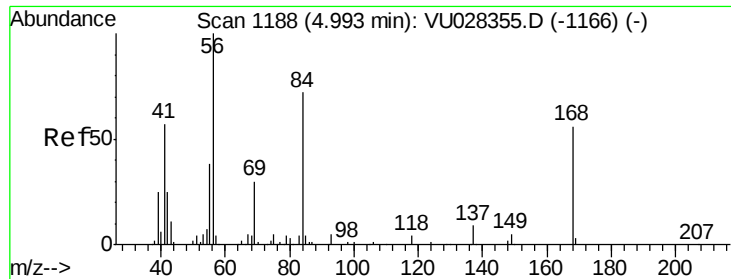
61 147.9 0.0 342.0

98 63.2 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

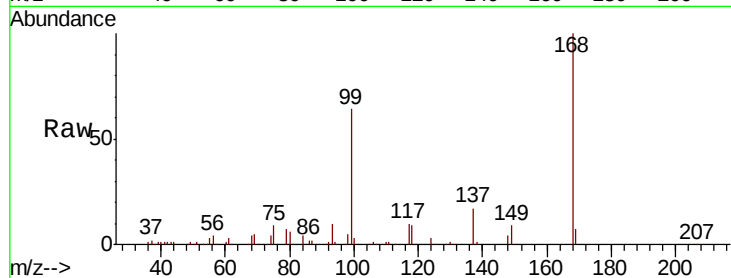




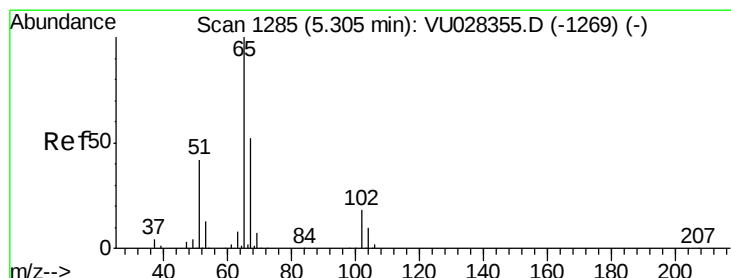
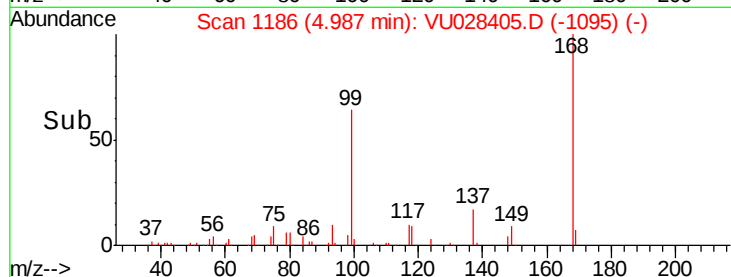
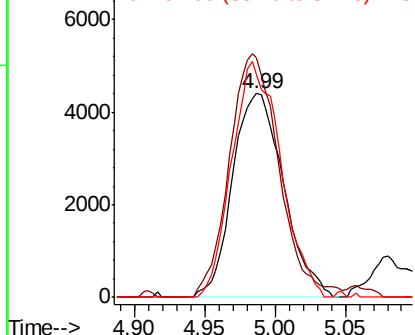
#31
Cyclohexane
Concen: 1.199 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 11173
Ion Ratio Lower Upper
56 100
69 117.7 23.7 35.5#
84 109.6 57.3 85.9#

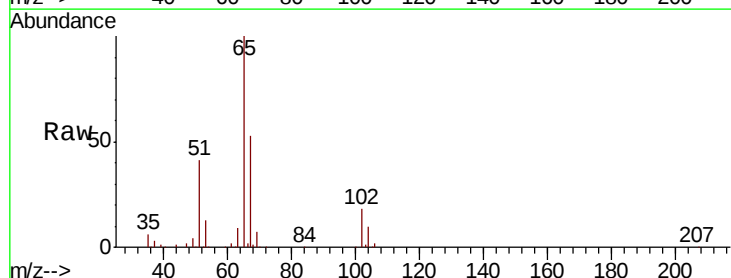


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

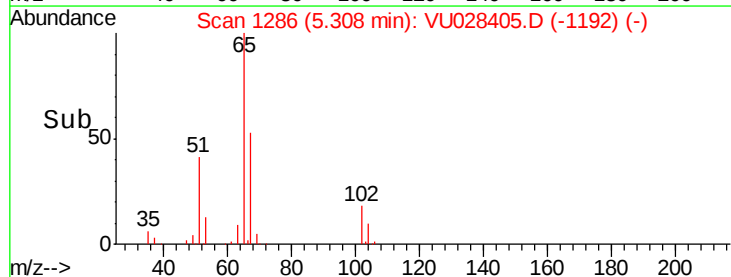
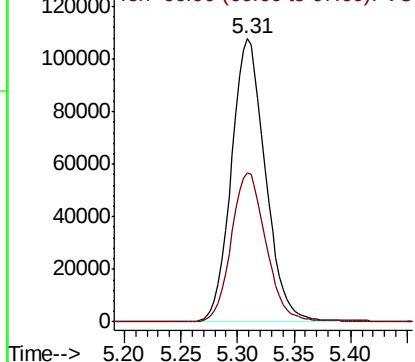


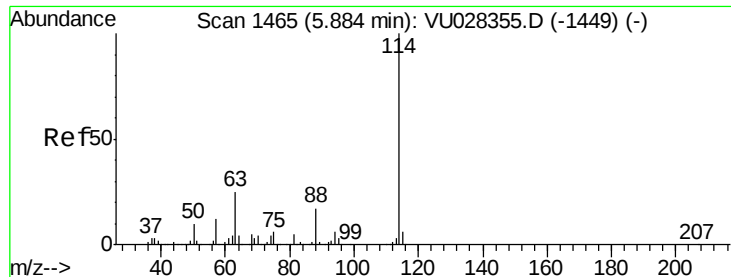
#33
1,2-Dichloroethane-d4
Concen: 52.951 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Tgt Ion: 65 Resp: 225678
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8



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: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

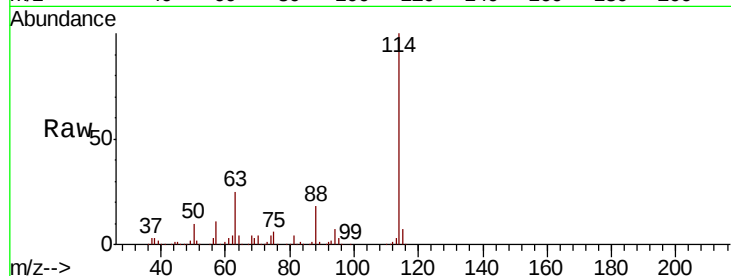
Tot Ion:114 Resp: 492539

Ion Ratio Lower Upper

114 100

63 24.9 0.0 50.0

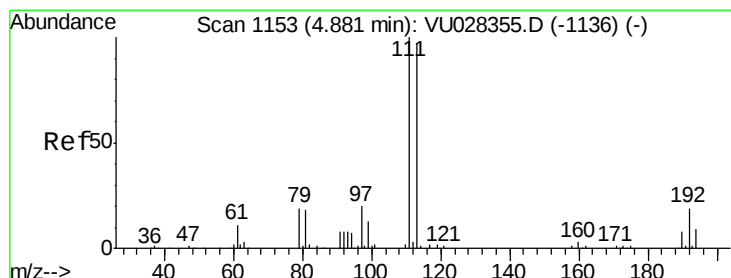
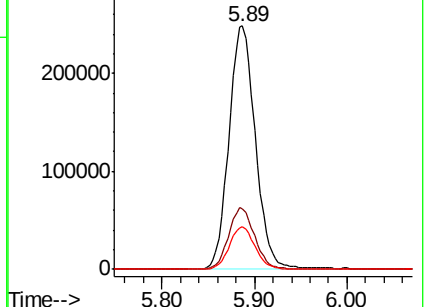
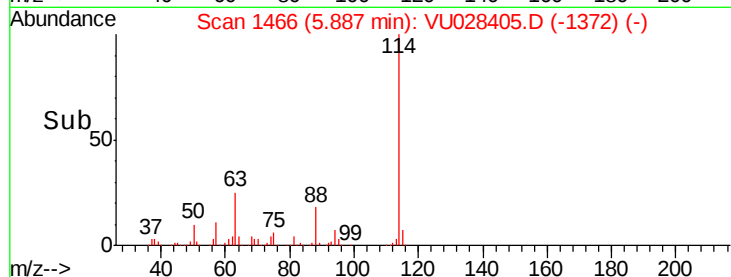
88 17.6 0.0 34.4



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: 49.117 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

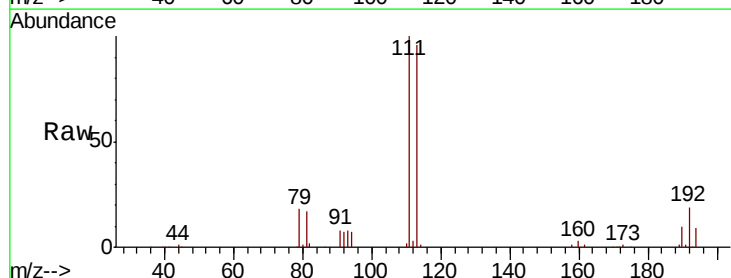
Tgt Ion:113 Resp: 160866

Ion Ratio Lower Upper

113 100

111 105.8 82.9 124.3

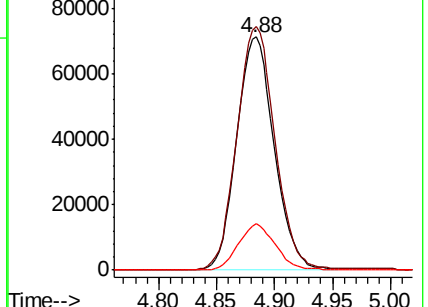
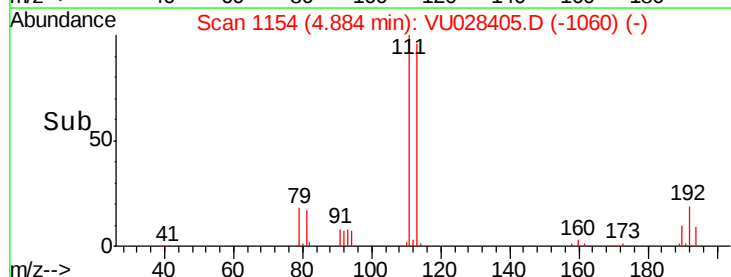
192 19.4 15.4 23.0

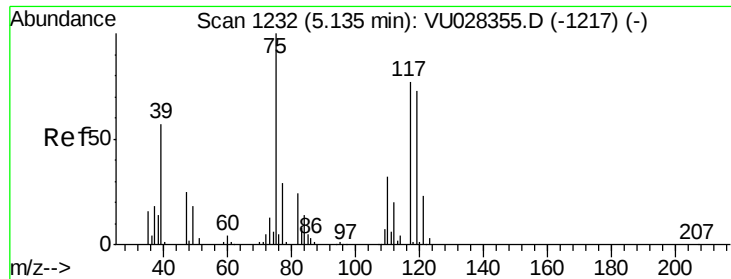


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.421 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :
MSVOA_U
ClientSampleId :

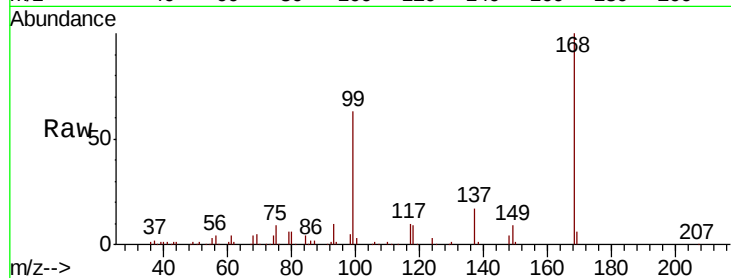
Tot Ion: 75 Resp: 23830

Ion Ratio Lower Upper

75 100

110 7.2 15.8 47.4#

77 0.0 24.6 36.8#

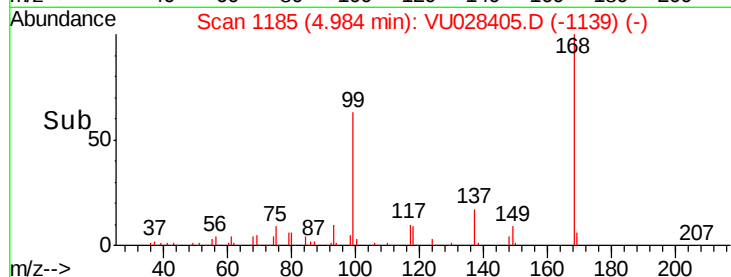


Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-1217) (-)

Ion 109.90 (109.60 to 110.60): VU028355.D (-1217) (-)

Ion 76.90 (76.60 to 77.60): VU028355.D (-1217) (-)

Time-->

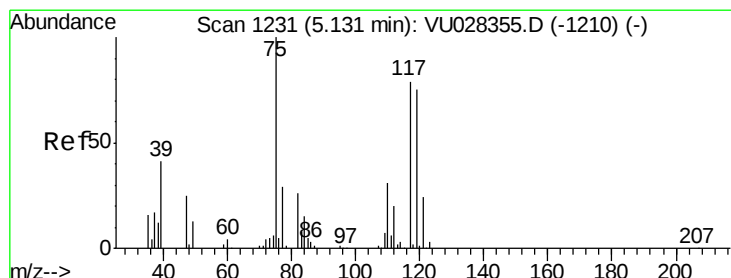


Abundance Ion 74.90 (74.60 to 75.60): VU028405.D (-1139) (-)

Ion 109.90 (109.60 to 110.60): VU028405.D (-1139) (-)

Ion 76.90 (76.60 to 77.60): VU028405.D (-1139) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.14 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

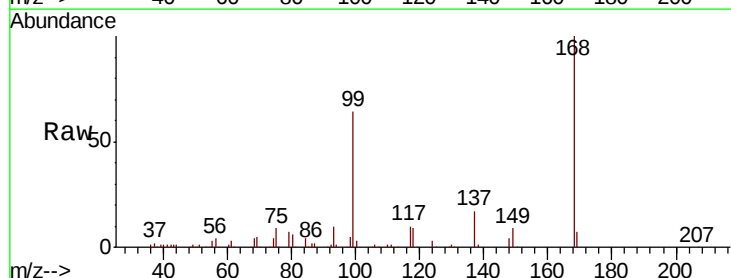
Tgt Ion: 117 Resp: 26107

Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

121 0.0 24.7 37.1#

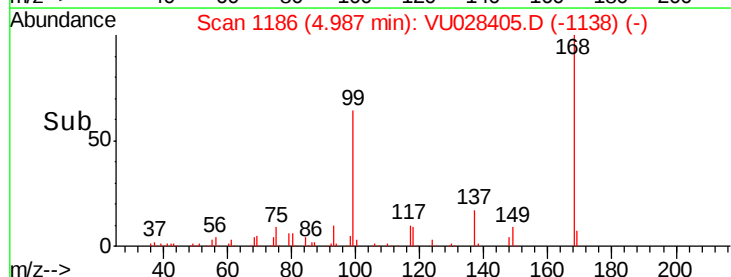


Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-1210) (-)

Ion 118.80 (118.50 to 119.50): VU028355.D (-1210) (-)

Ion 120.80 (120.50 to 121.50): VU028355.D (-1210) (-)

Time-->

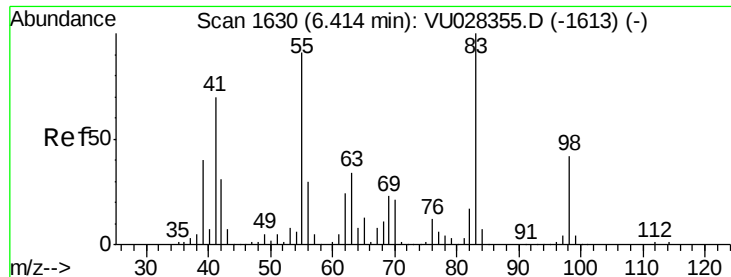


Abundance Ion 116.80 (116.50 to 117.50): VU028405.D (-1138) (-)

Ion 118.80 (118.50 to 119.50): VU028405.D (-1138) (-)

Ion 120.80 (120.50 to 121.50): VU028405.D (-1138) (-)

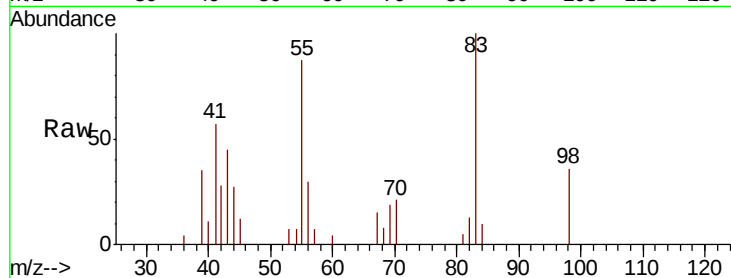
Time-->



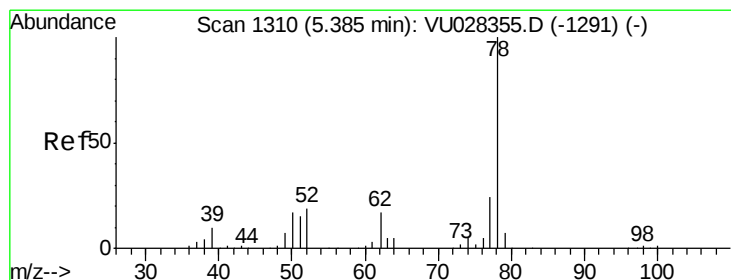
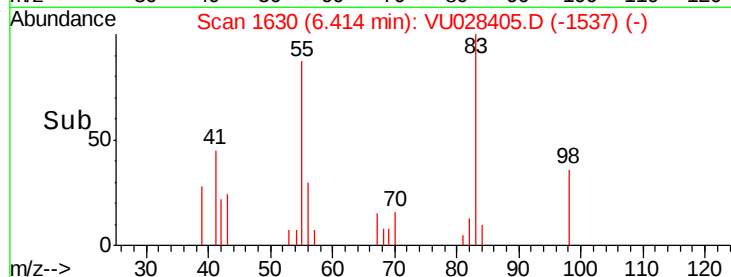
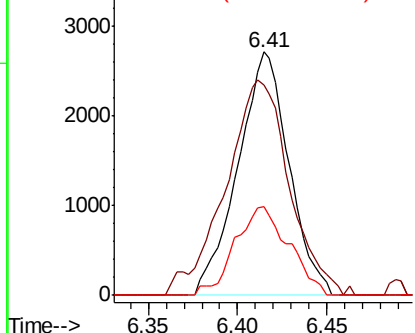
#39
Methvlcvclohexane
Concen: 0.850 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 5400
Ion Ratio Lower Upper
83 100
55 82.6 73.1 109.7
98 36.5 33.9 50.9

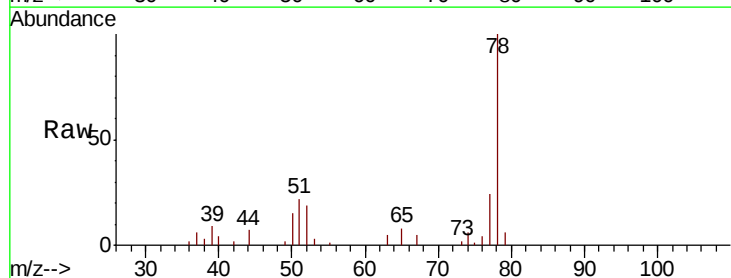


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

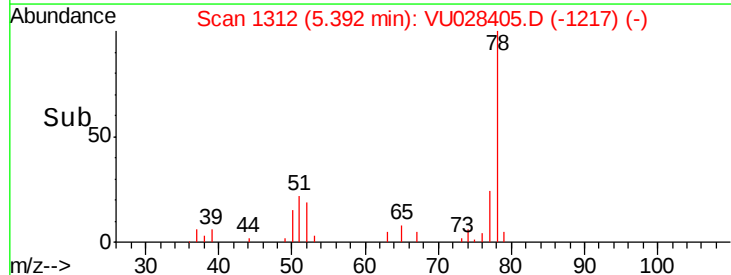
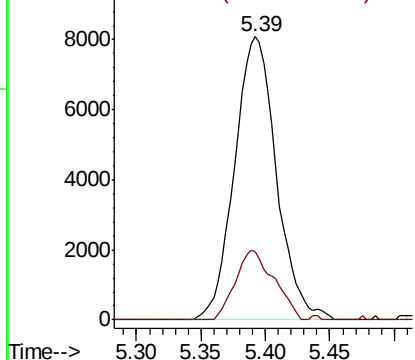


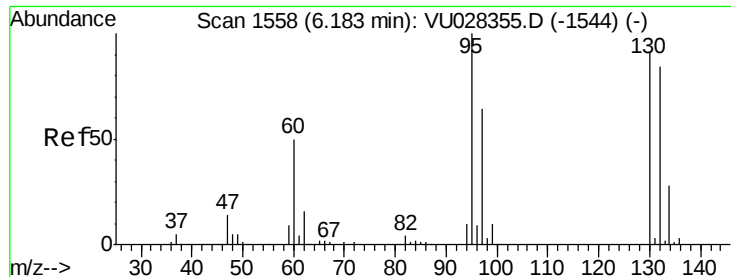
#40
Benzene
Concen: 1.145 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Tgt Ion: 78 Resp: 18280
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6



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





#44

Trichloroethene

Concen: 0.485 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

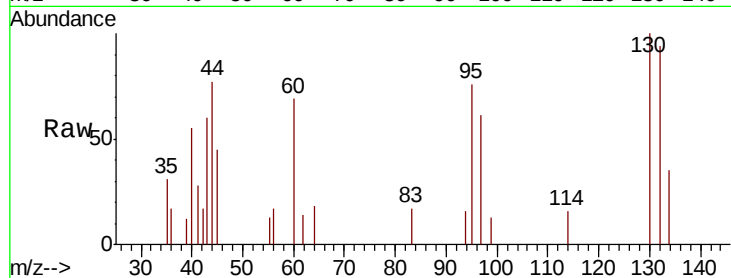
ClientSampled :

Tot Ion:130 Resp: 1660

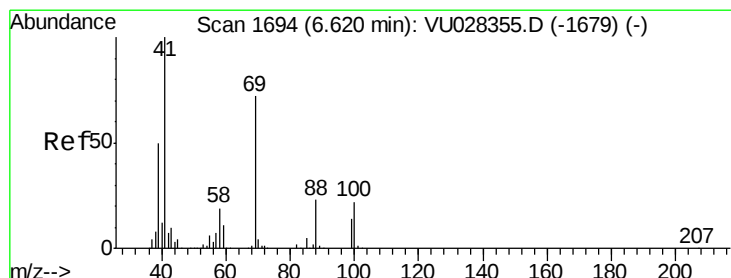
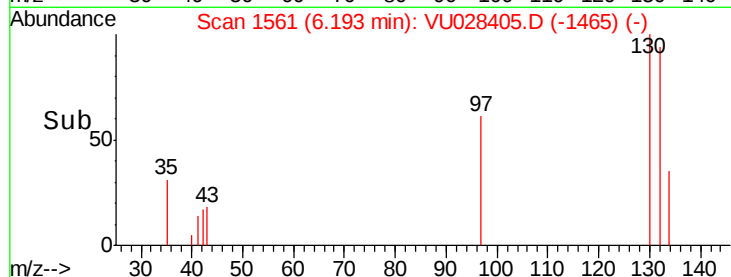
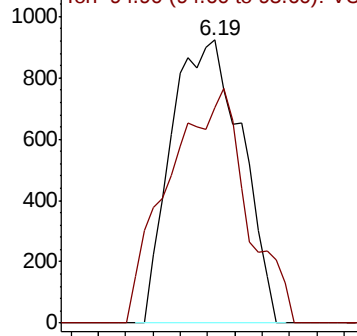
Ion Ratio Lower Upper

130 100

95 62.2 0.0 219.8



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



#48

Methyl methacrylate

Concen: 0.270 ug/l

RT: 6.66 min Scan# 1705

Delta R.T. 0.04 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

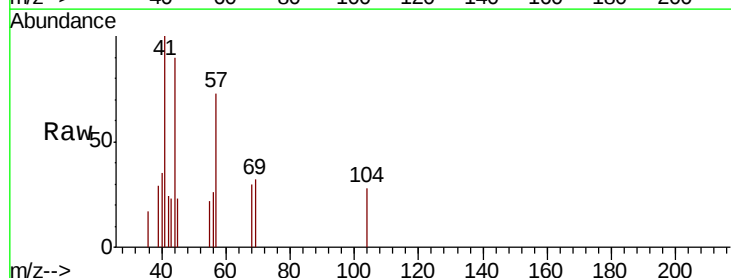
Tgt Ion: 41 Resp: 1639

Ion Ratio Lower Upper

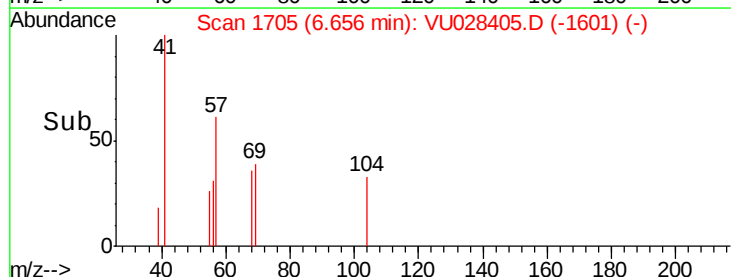
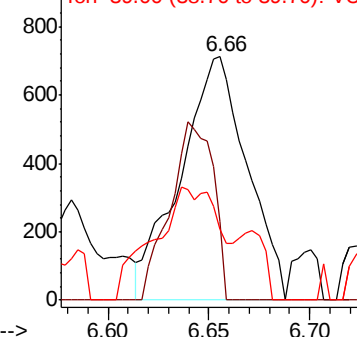
41 100

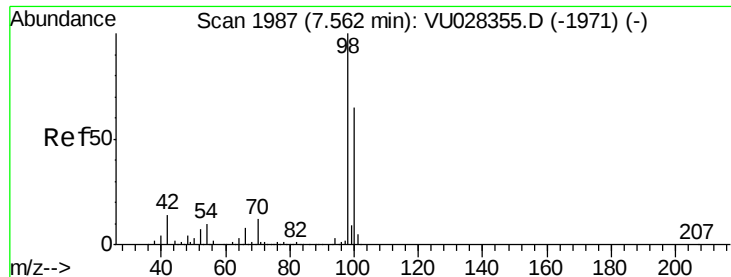
69 47.5 59.0 88.4#

39 46.2 40.5 60.7



Abundance Ion 41.00 (40.70 to 41.70): VU028355.D (-1679) (-)





#50

Toluene-d8

Concen: 49.892 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

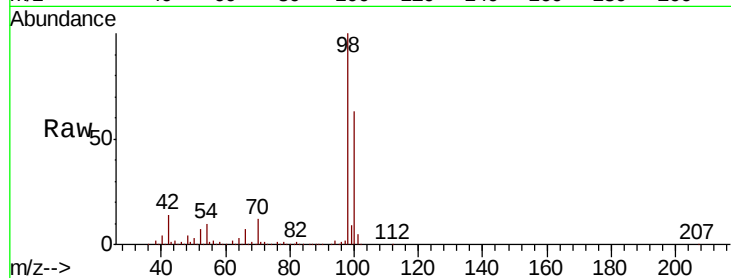
ClientSampleId :

Tot Ion: 98 Resp: 653509

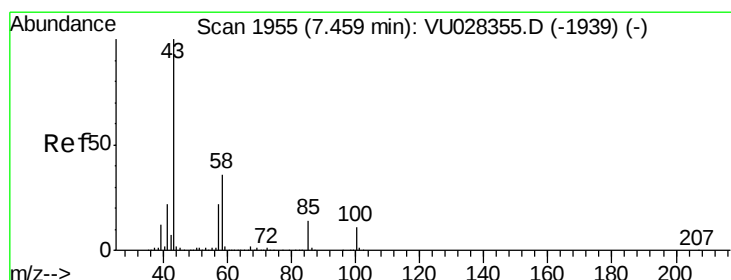
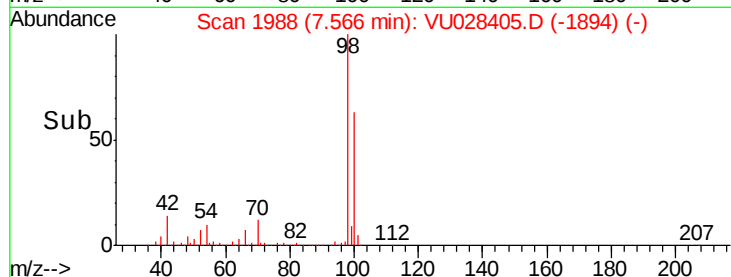
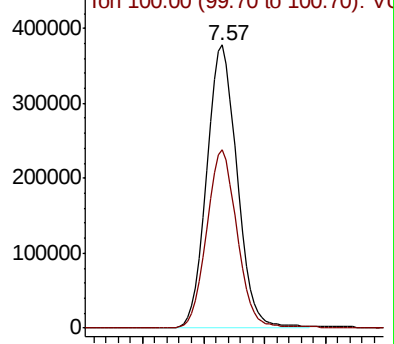
Ion Ratio Lower Upper

98 100

100 63.9 50.8 76.2



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



#51

4-Methyl-2-Pentanone

Concen: 0.212 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU028405.D

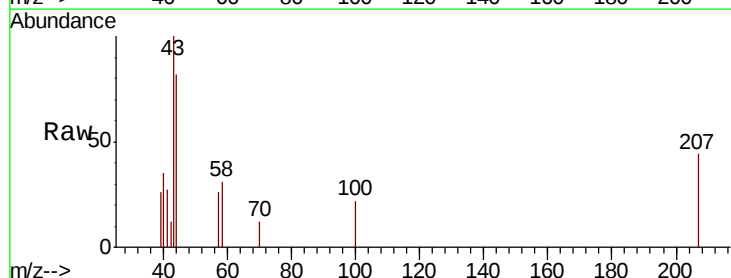
Acq: 29 Nov 2018 19:39

Tgt Ion: 43 Resp: 1575

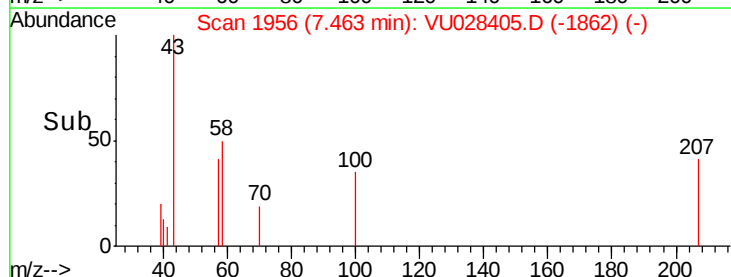
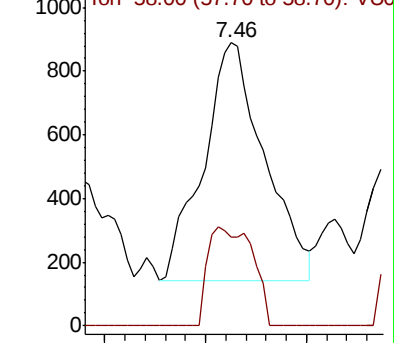
Ion Ratio Lower Upper

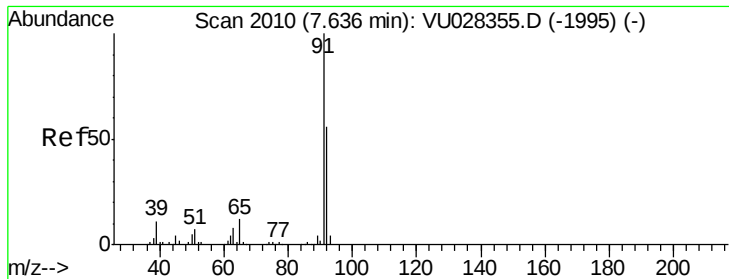
43 100

58 30.8 28.8 43.2



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





#52

Toluene

Concen: 34.533 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

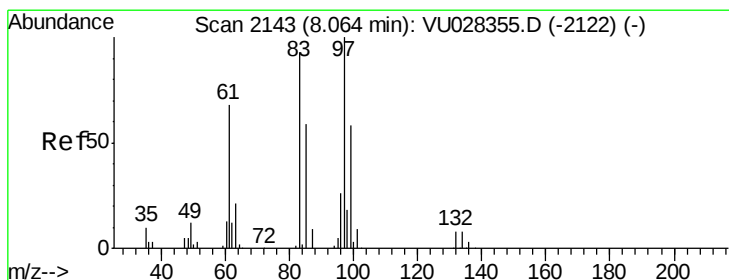
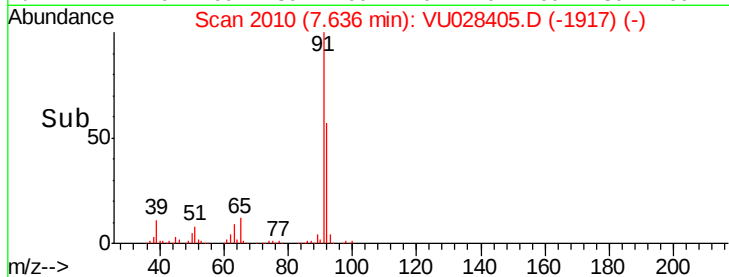
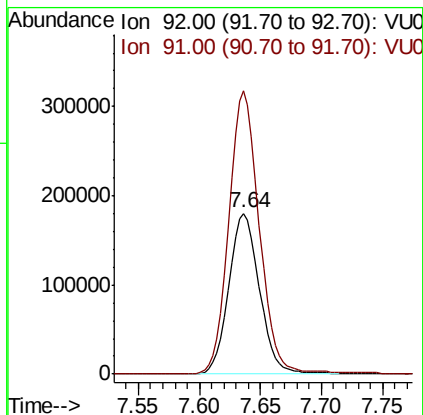
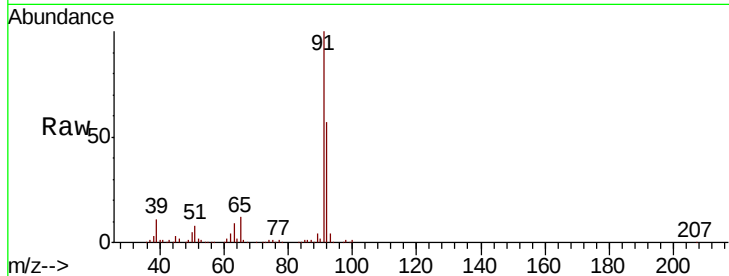
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 92 Resp: 317440

Ion Ratio Lower Upper

92 100

91 175.4 141.8 212.6



#55

1,1,2-Trichloroethane

Concen: 0.495 ug/l

RT: 8.05 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Tgt Ion: 97 Resp: 1893

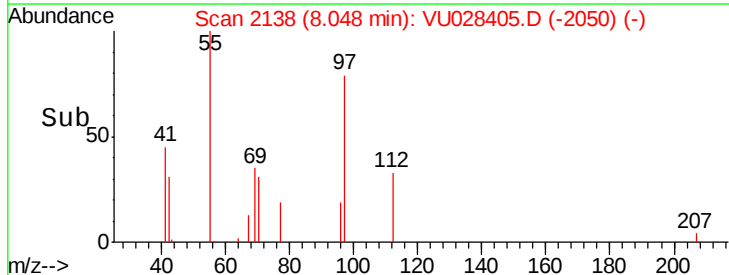
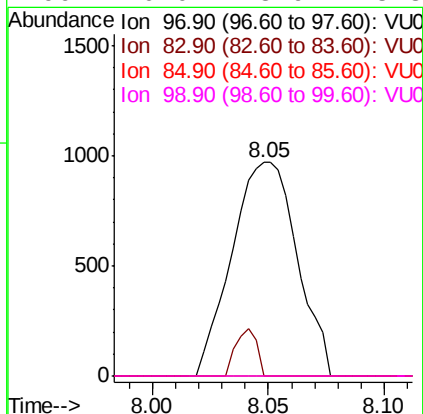
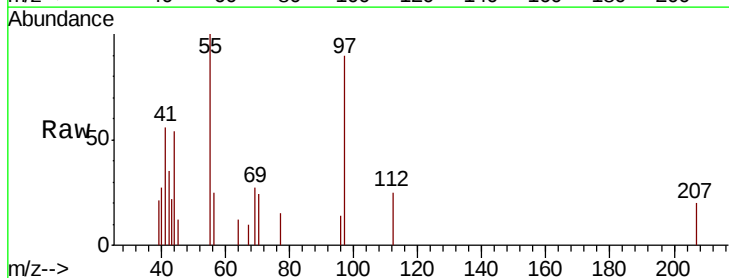
Ion Ratio Lower Upper

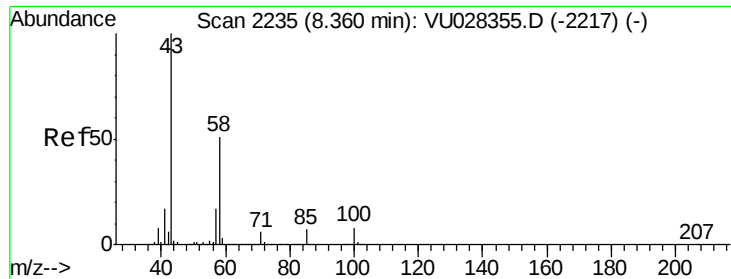
97 100

83 0.0 74.3 111.5#

85 0.0 47.2 70.8#

99 0.0 48.9 73.3#

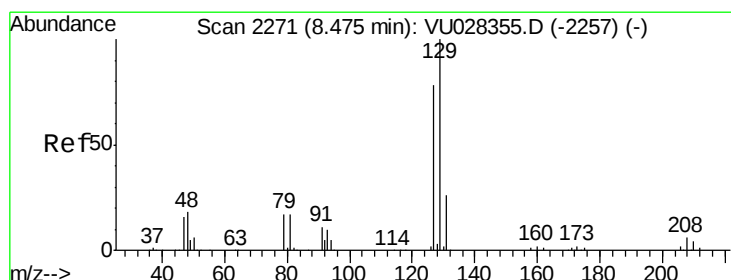
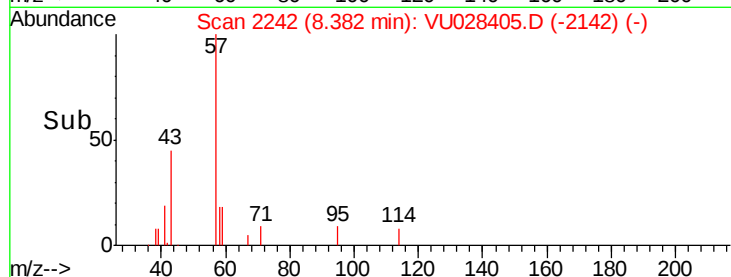
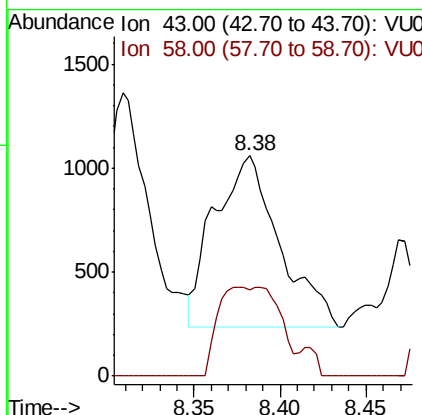
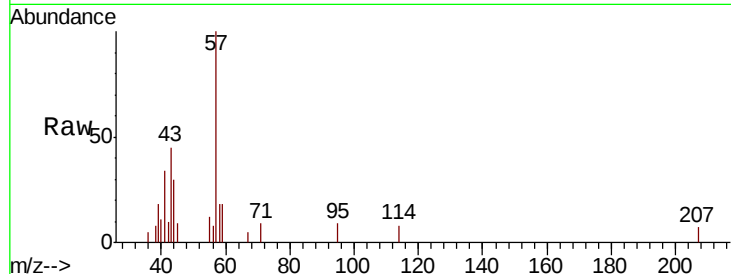




#59
2-Hexanone
Concen: 0.378 ug/l
RT: 8.38 min Scan# 2242
Delta R.T. 0.02 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

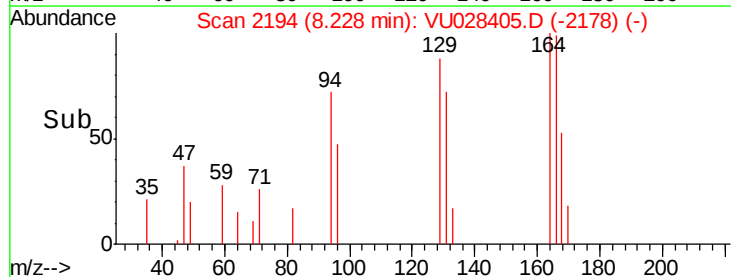
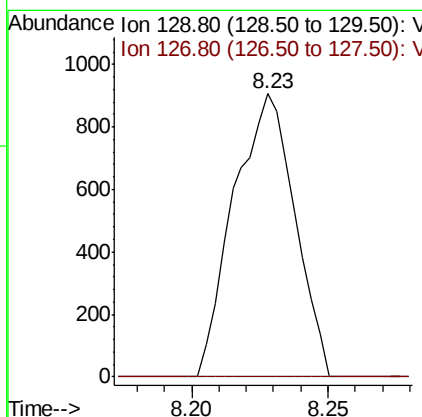
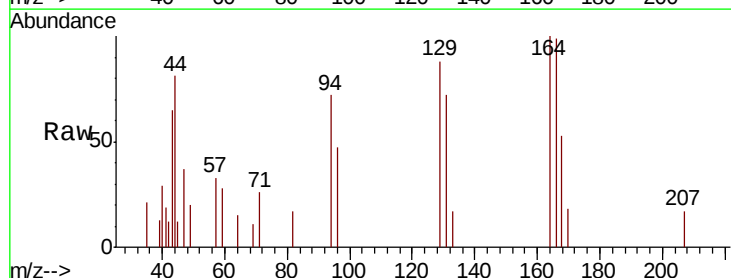
Instrument :
MSVOA_U
ClientSampleId :

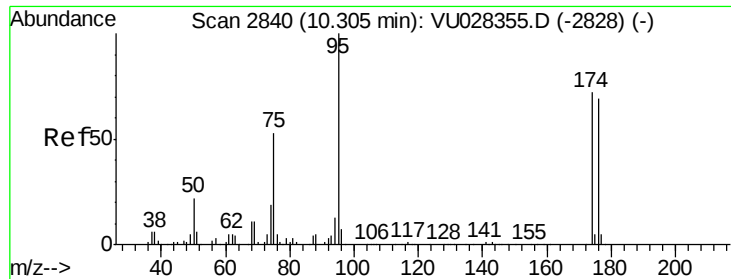
Tot Ion: 43 Resp: 2179
Ion Ratio Lower Upper
43 100
58 26.0 25.5 76.5



#60
Dibromochloromethane
Concen: 0.387 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Tgt Ion: 129 Resp: 1408
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#

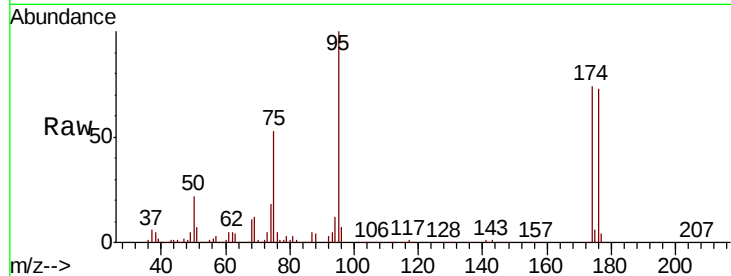




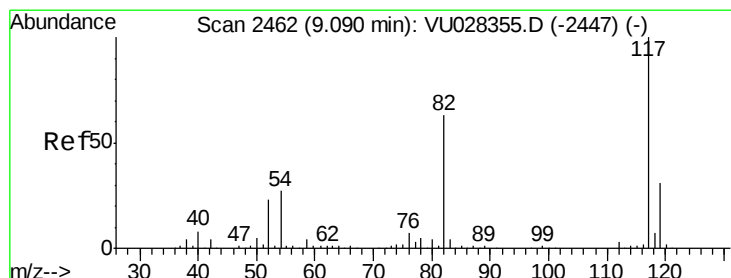
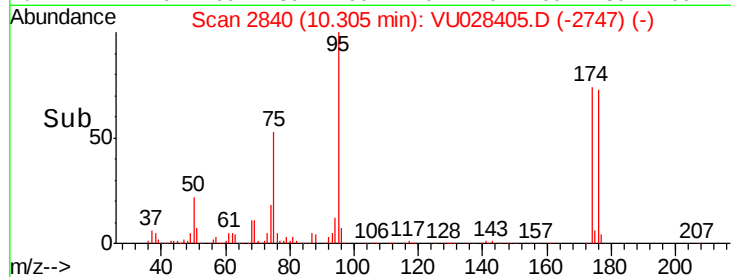
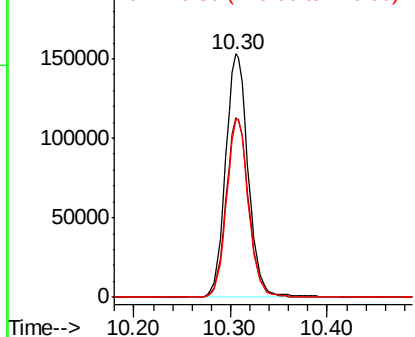
#62
4-Bromofluorobenzene
Concen: 52.525 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 247974
Ion Ratio Lower Upper
95 100
174 73.0 0.0 145.4
176 70.5 0.0 140.8

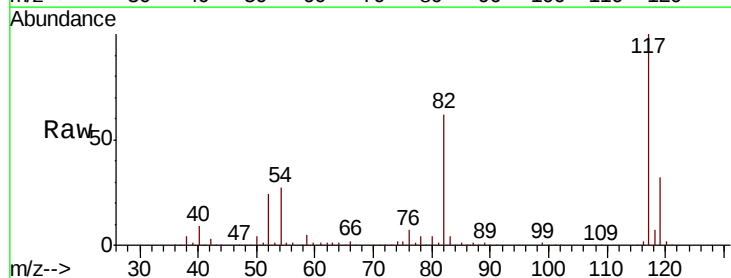


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

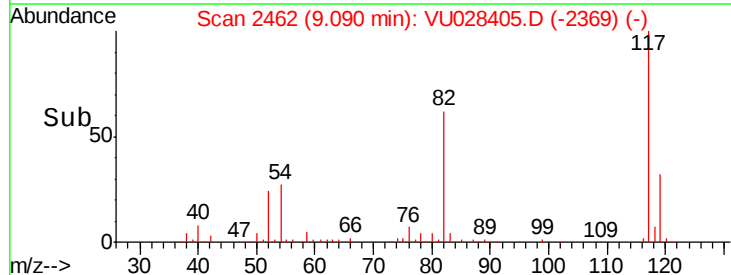
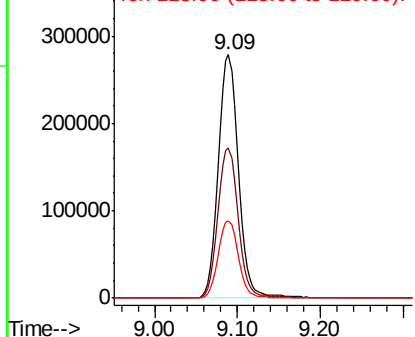


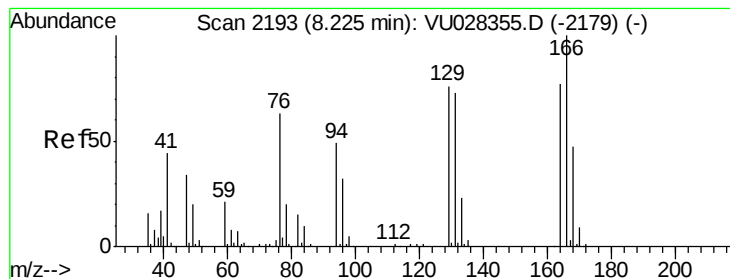
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Tgt Ion: 117 Resp: 466780
Ion Ratio Lower Upper
117 100
82 61.7 50.3 75.5
119 31.6 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: 0.547 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 1680

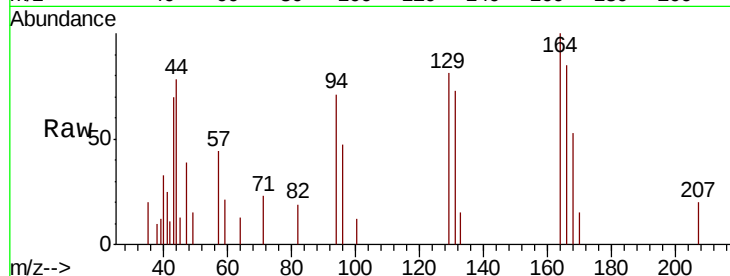
Ion Ratio Lower Upper

164 100

166 84.7 104.0 156.0#

129 80.8 79.2 118.8

131 72.5 75.7 113.5#

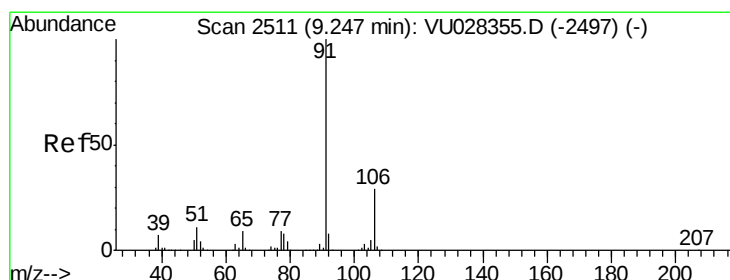
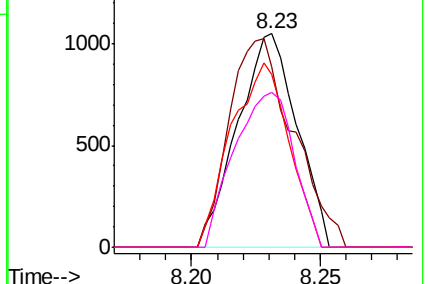
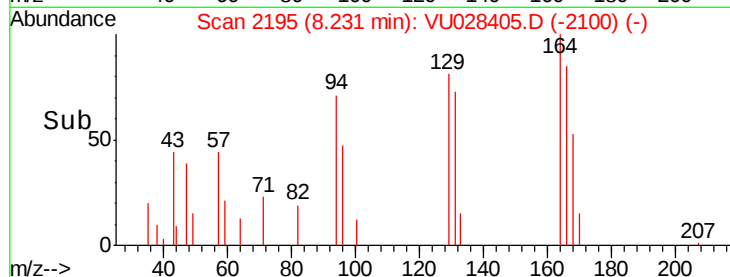


Abundance Ion 163.80 (163.50 to 164.50): V

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: 6.666 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028405.D

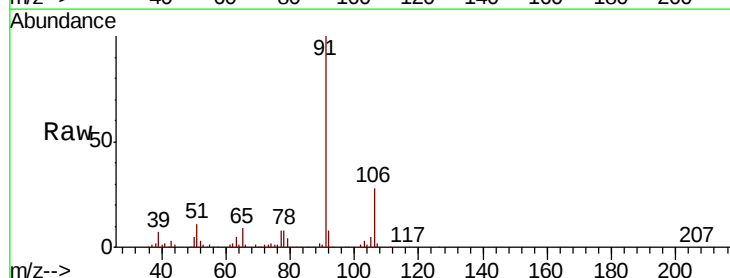
Acq: 29 Nov 2018 19:39

Tgt Ion: 91 Resp: 121687

Ion Ratio Lower Upper

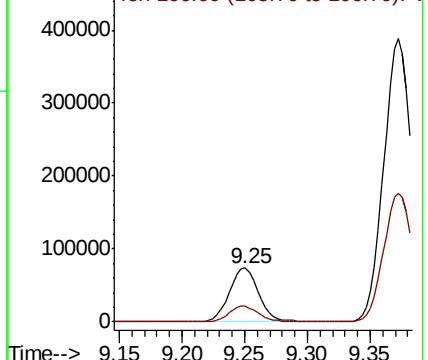
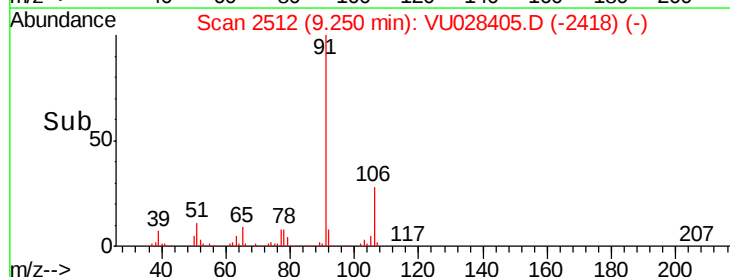
91 100

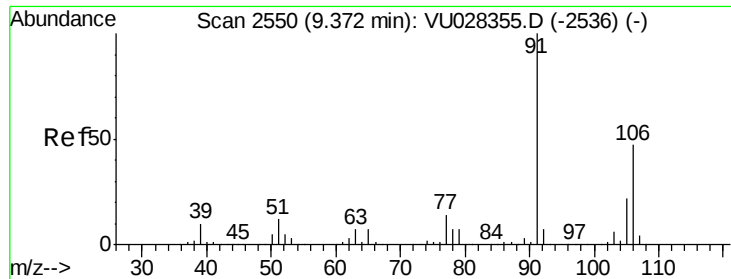
106 28.1 23.3 34.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

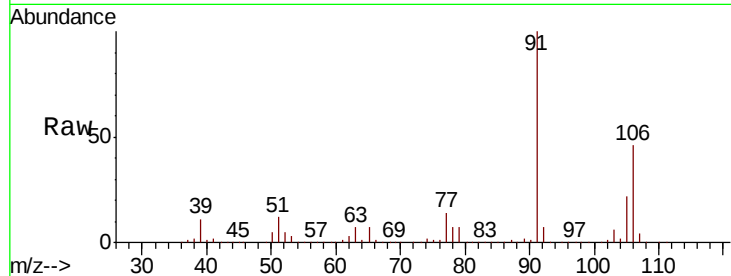




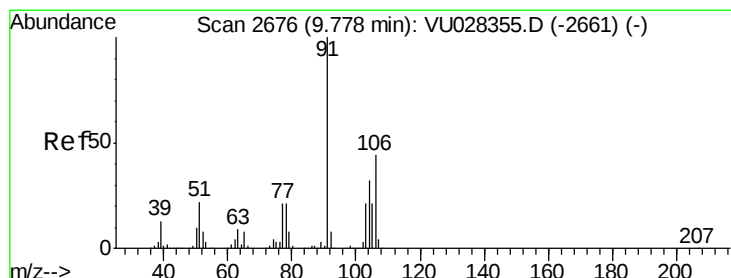
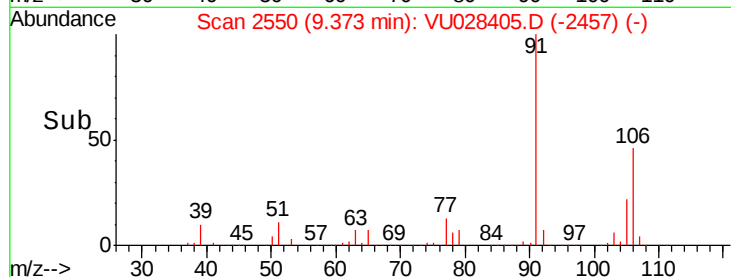
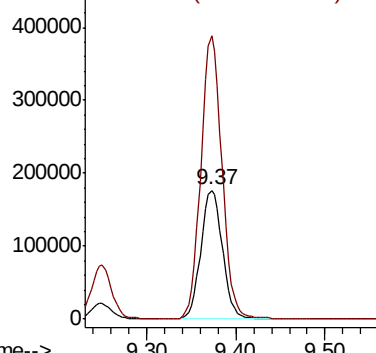
#68
m/p-Xylenes
Concen: 45.320 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 297778
Ion Ratio Lower Upper
106 100
91 213.4 171.0 256.6

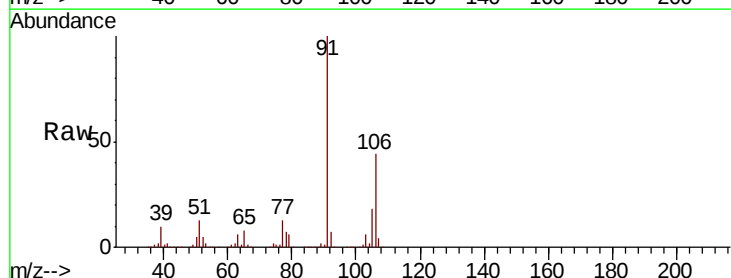


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

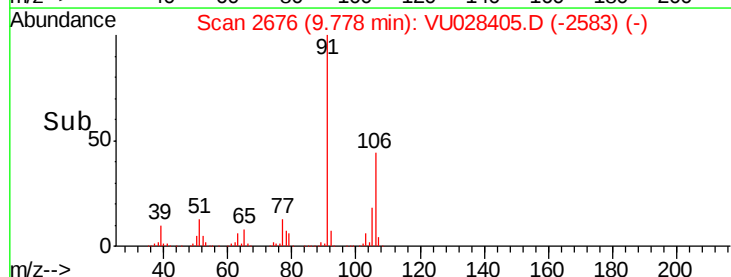
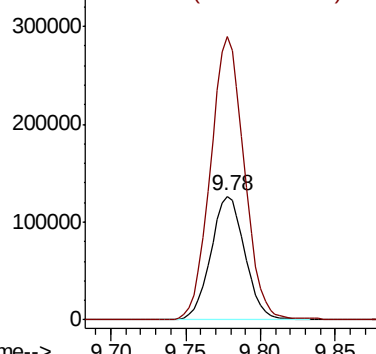


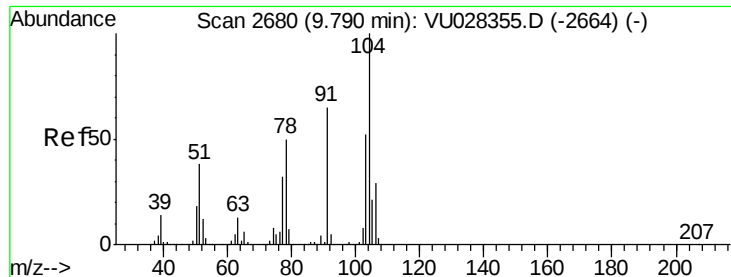
#69
o-Xylene
Concen: 30.659 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Tgt Ion:106 Resp: 200257
Ion Ratio Lower Upper
106 100
91 227.7 112.7 338.0



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

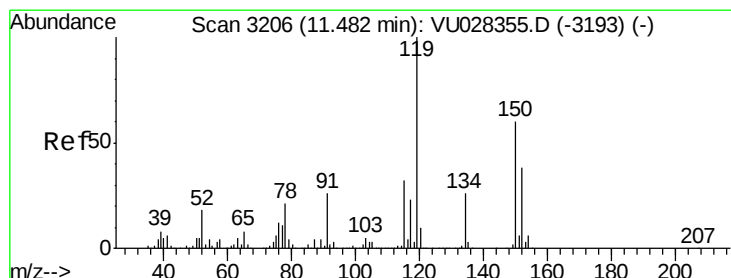
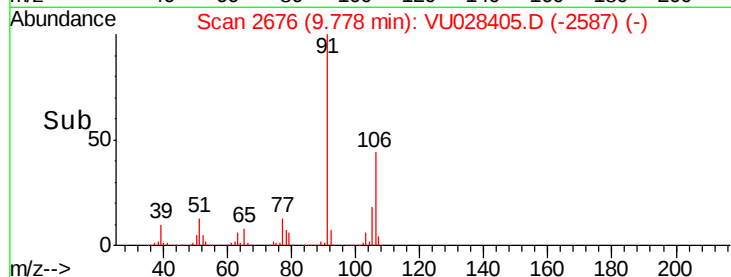
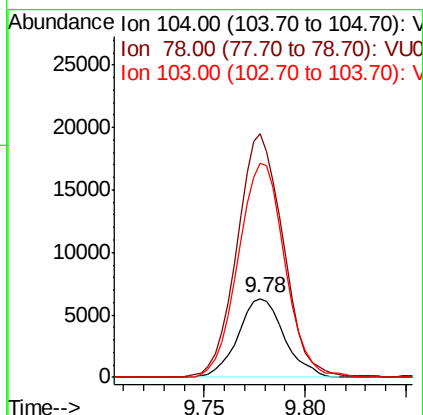
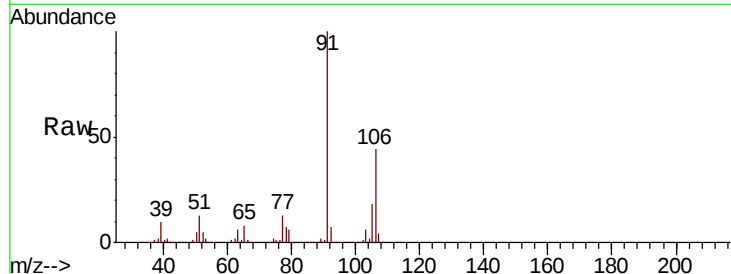




#70
Stvrene
Concen: 0.963 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.01 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

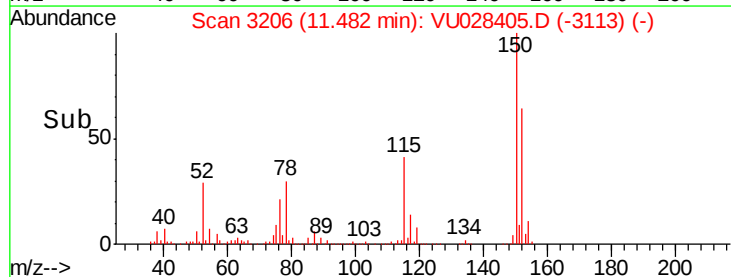
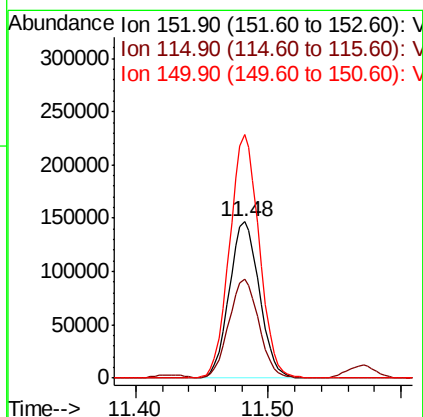
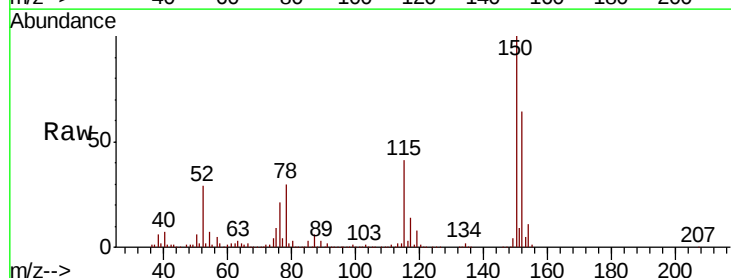
Instrument :
MSVOA_U
ClientSampled :

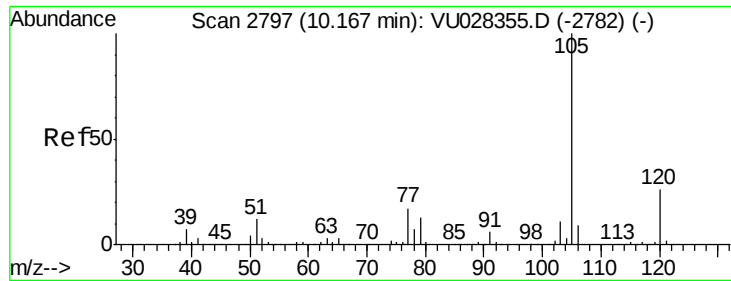
Tot Ion:104 Resp: 10149
Ion Ratio Lower Upper
104 100
78 308.4 43.3 64.9#
103 272.7 44.8 67.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Tgt Ion:152 Resp: 232351
Ion Ratio Lower Upper
152 100
115 62.7 45.0 134.8
150 152.6 0.0 349.2





#73

Isopropylbenzene

Concen: 0.638 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

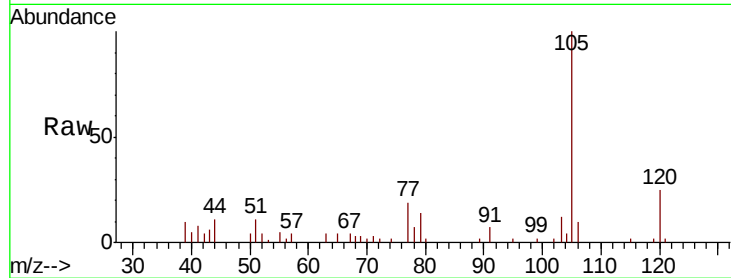
ClientSampleId :

Tot Ion:105 Resp: 11527

Ion Ratio Lower Upper

105 100

120 22.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

8000

6000

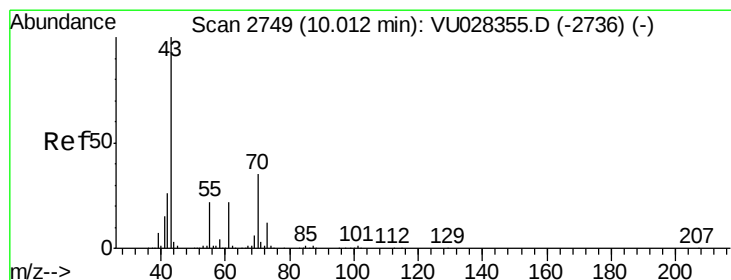
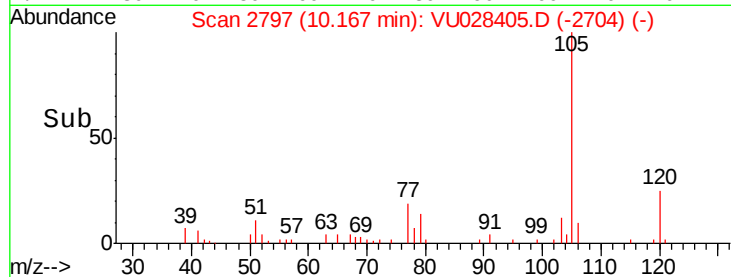
4000

2000

0

Time-->

10.10 10.15 10.20



#74

N-ethyl acetate

Concen: 0.712 ug/l

RT: 10.07 min Scan# 2767

Delta R.T. 0.06 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Tgt Ion: 43 Resp: 8067

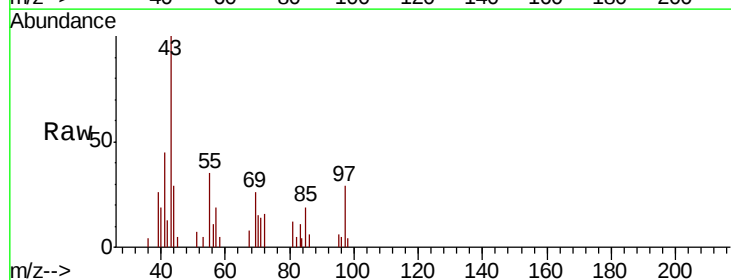
Ion Ratio Lower Upper

43 100

70 0.0 28.4 42.6#

55 0.0 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

4000

3000

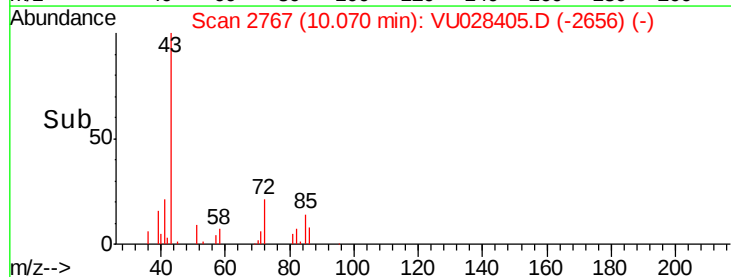
2000

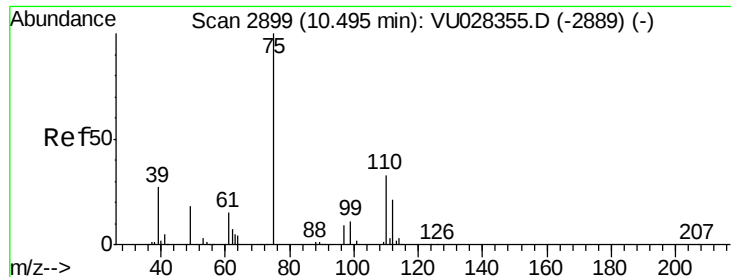
1000

0

Time-->

10.00 10.10

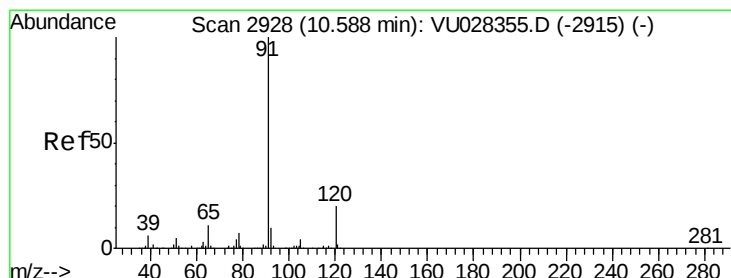
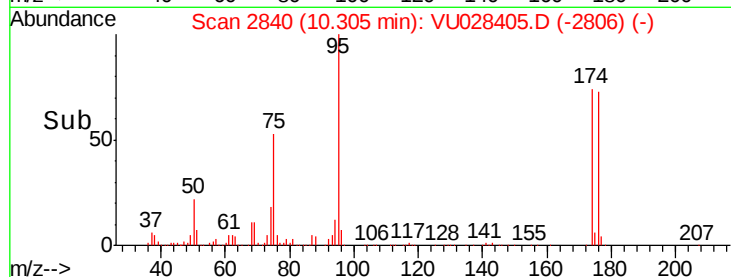
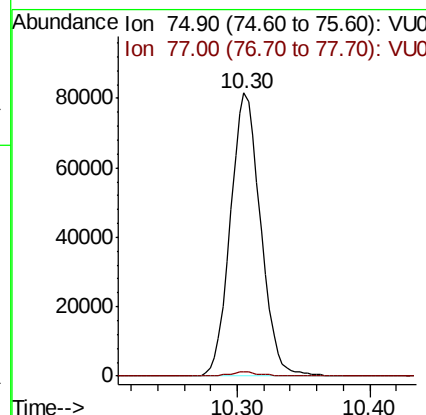
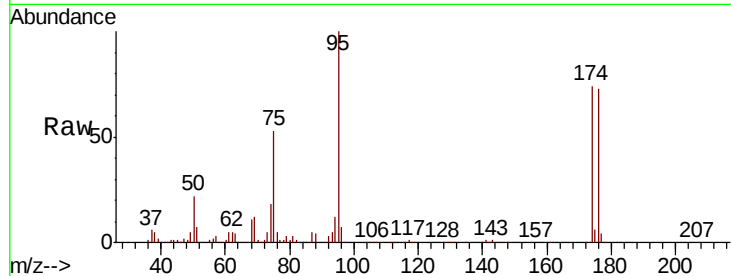




#76
 1,2,3-Trichloropropane
 Concen: 20.007 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

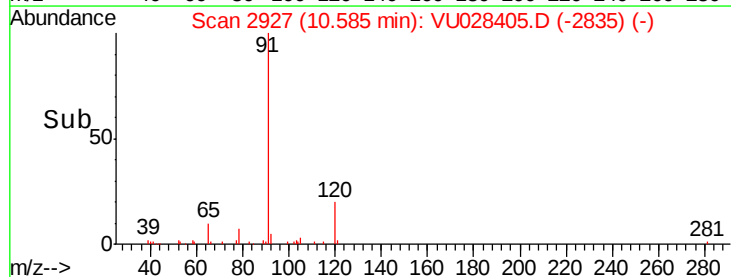
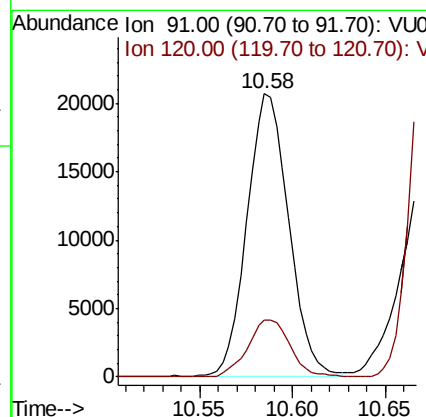
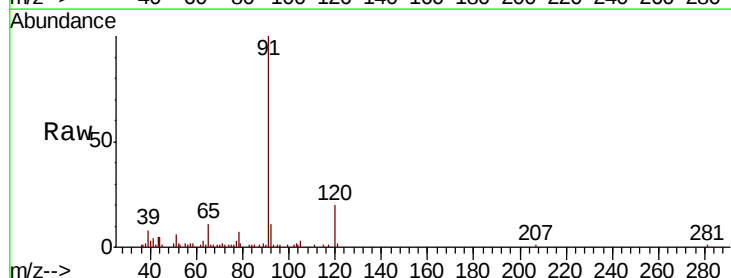
Instrument :
 MSVOA_U
 ClientSampled :

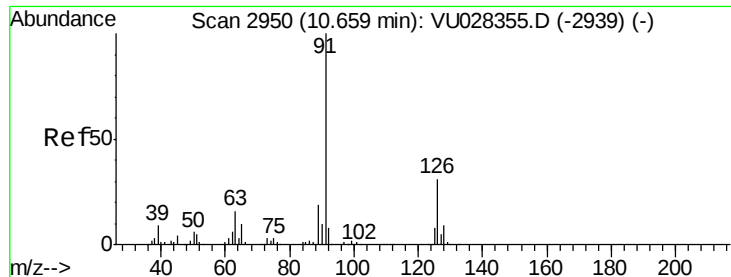
Tot Ion: 75 Resp: 128911
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.4 67.0#



#78
 n-propylbenzene
 Concen: 1.456 ug/l
 RT: 10.58 min Scan# 2927
 Delta R.T. -0.00 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

Tgt Ion: 91 Resp: 32451
 Ion Ratio Lower Upper
 91 100
 120 20.4 10.3 30.8





#79

2-Chlorotoluene

Concen: 4.448 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

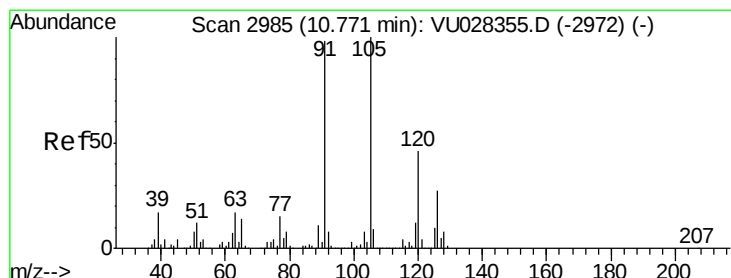
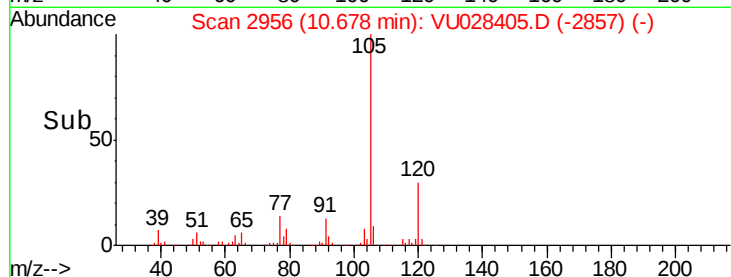
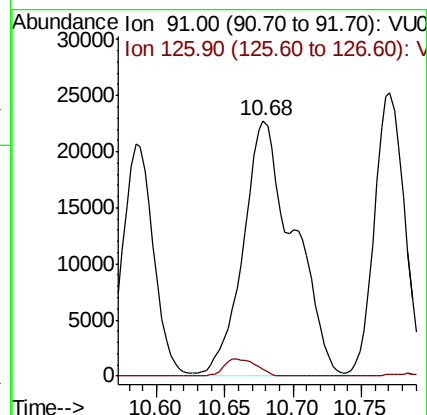
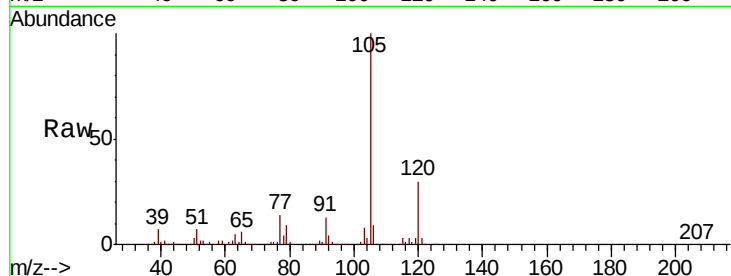
ClientSampled :

Tot Ion: 91 Resp: 58452

Ion Ratio Lower Upper

91 100

126 0.0 15.4 46.1#



#80

1,3,5-Trimethylbenzene

Concen: 22.977 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028405.D

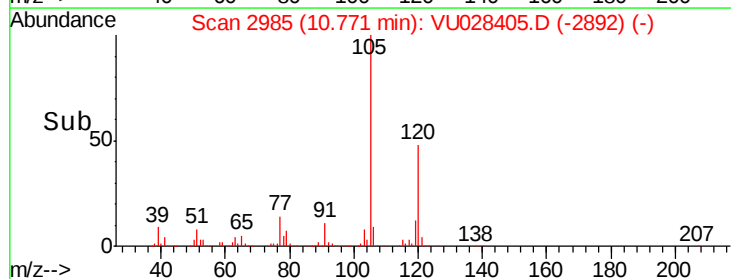
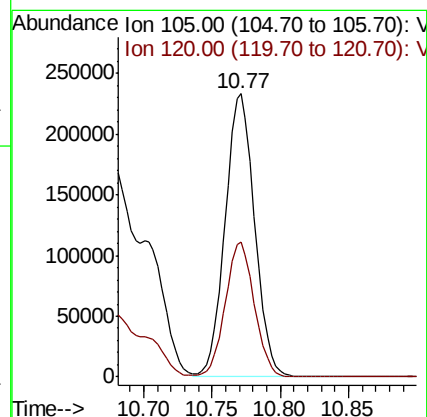
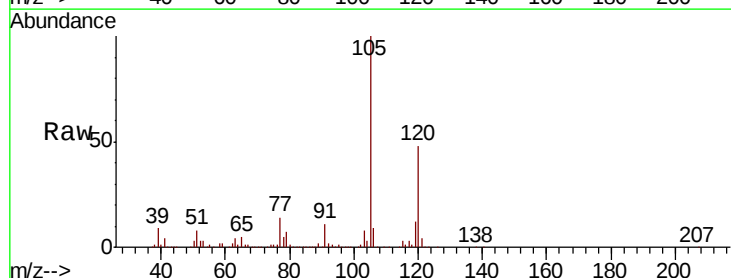
Acq: 29 Nov 2018 19:39

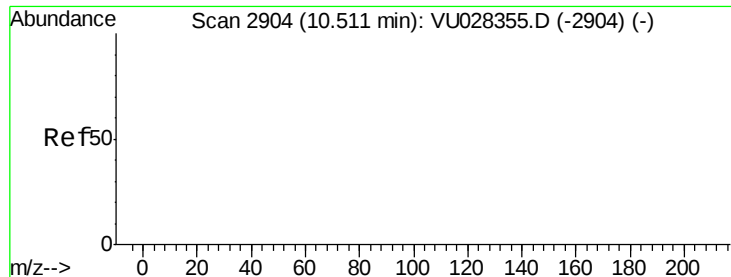
Tgt Ion: 105 Resp: 349903

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.108 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

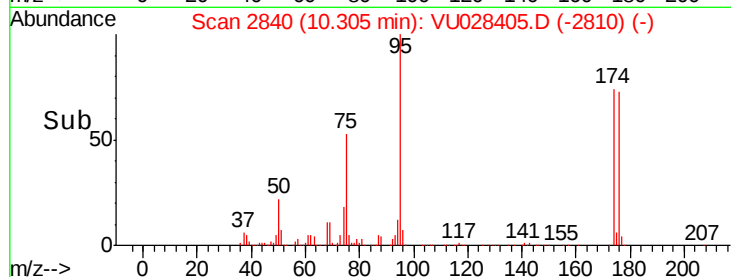
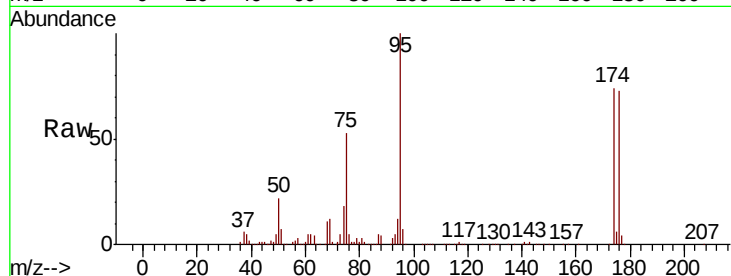
Tot Ion: 75 Resp: 128911

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

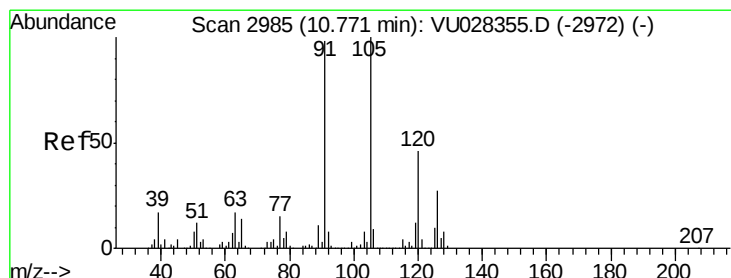
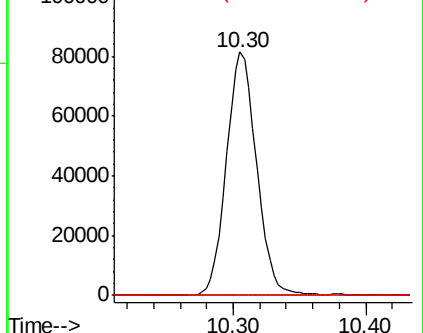
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 2.574 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028405.D

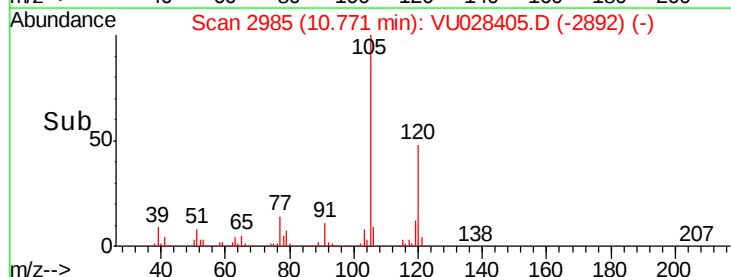
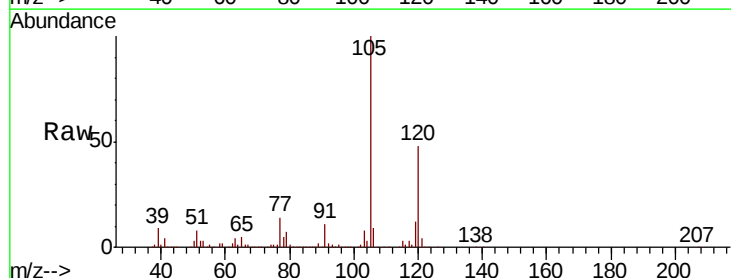
Acq: 29 Nov 2018 19:39

Tgt Ion: 91 Resp: 38970

Ion Ratio Lower Upper

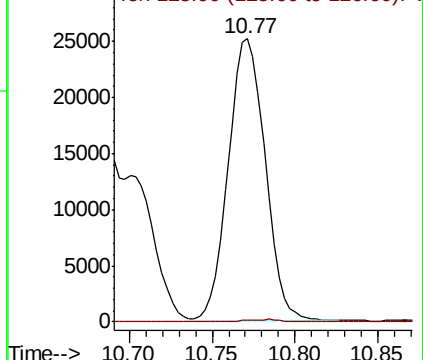
91 100

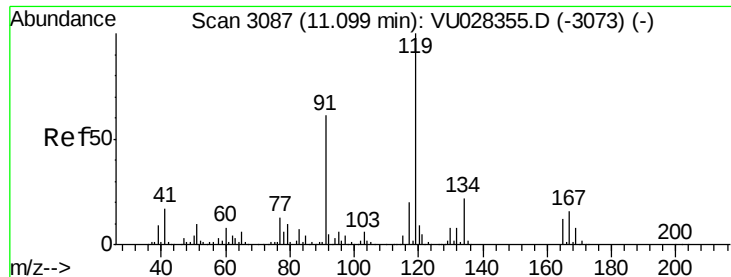
126 0.8 13.9 41.6#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

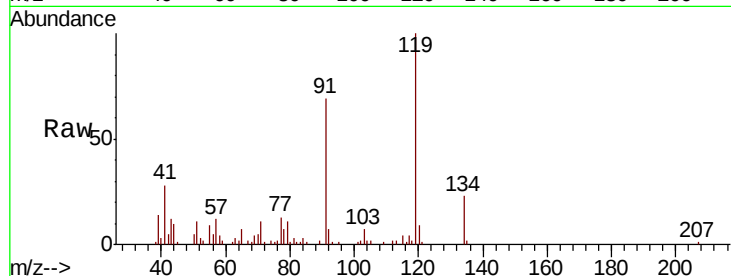




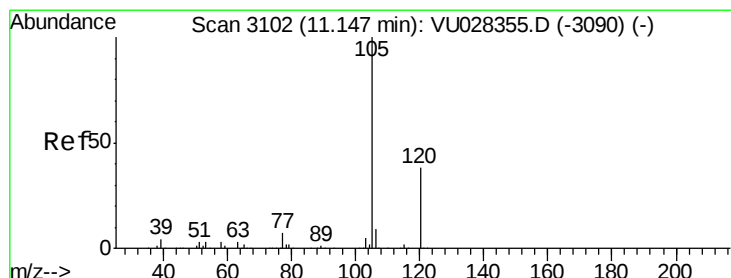
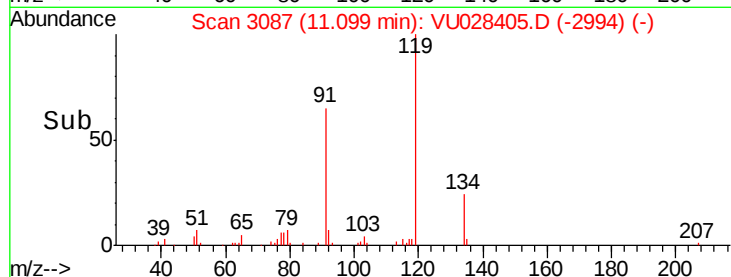
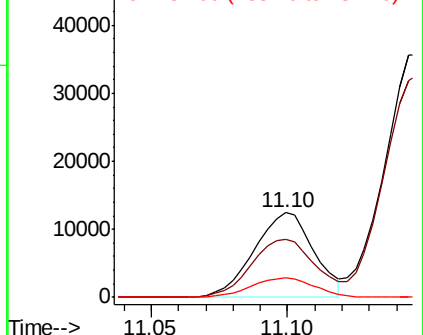
#83
tert-Butylbenzene
Concen: 1.334 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:119 Resp: 18937
Ion Ratio Lower Upper
119 100
91 72.8 30.8 92.4
134 24.6 11.1 33.1

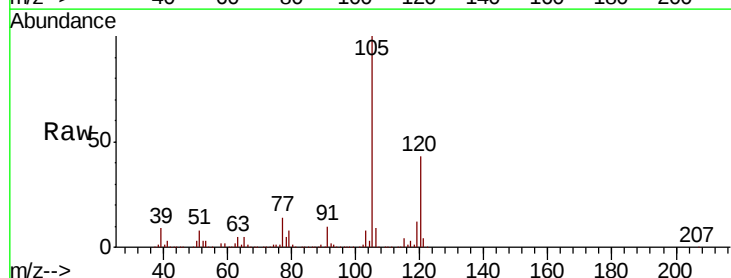


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V

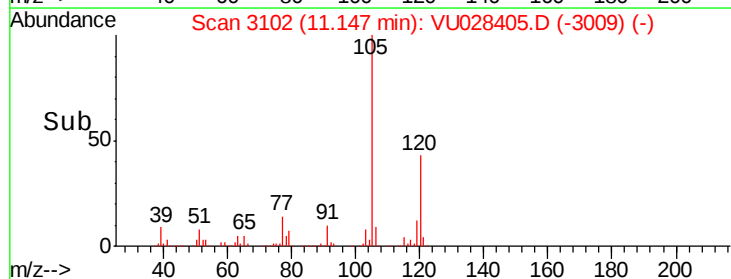
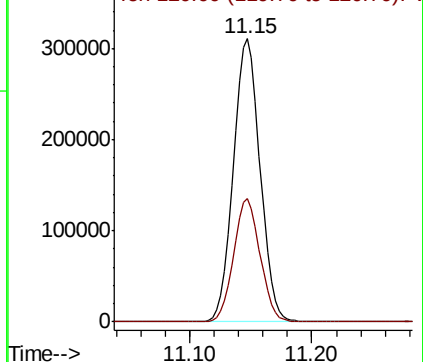


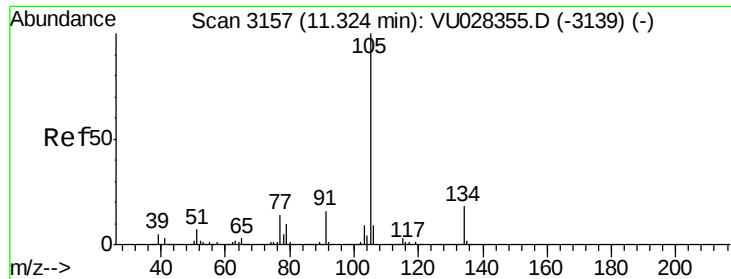
#84
1,2,4-Trimethylbenzene
Concen: 30.534 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Tgt Ion:105 Resp: 470970
Ion Ratio Lower Upper
105 100
120 43.1 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 25.543 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.18 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

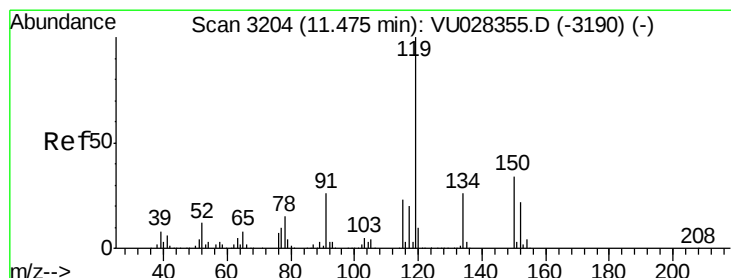
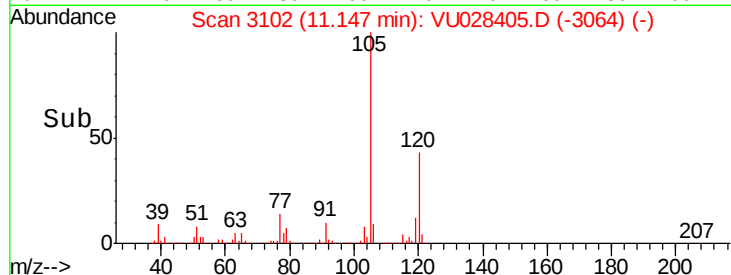
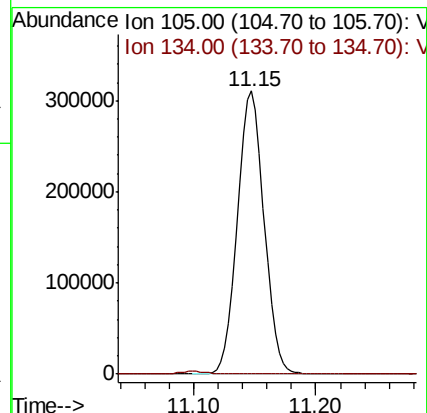
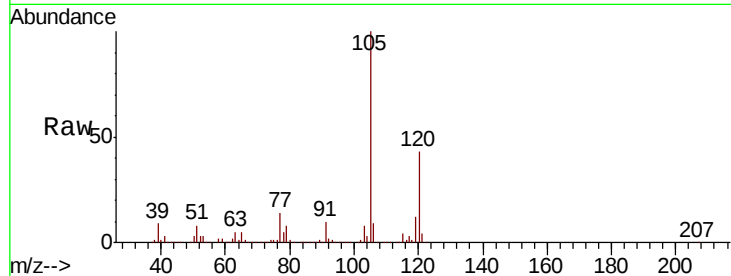
ClientSampleId :

Tot Ion:105 Resp: 470970

Ion Ratio Lower Upper

105 100

134 0.0 9.3 27.7#



#86

p-Isopropyltoluene

Concen: 2.599 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

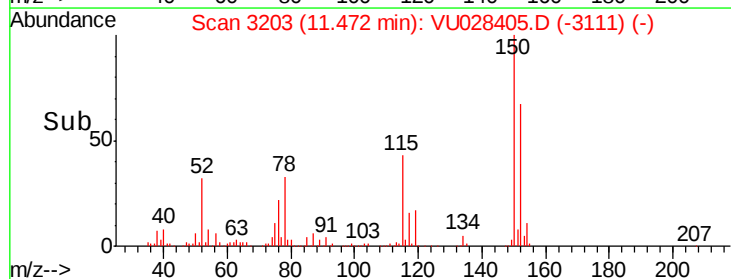
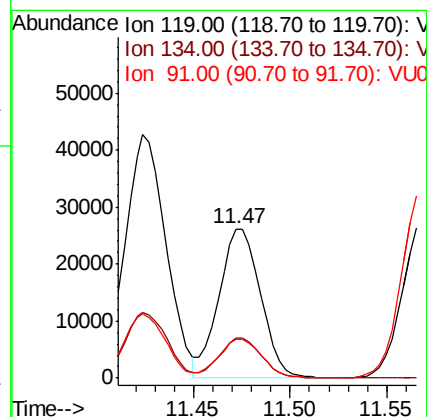
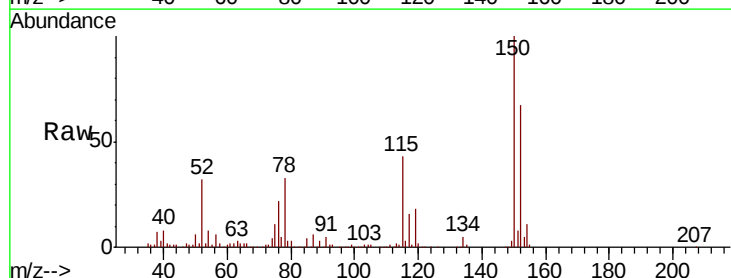
Tgt Ion:119 Resp: 39397

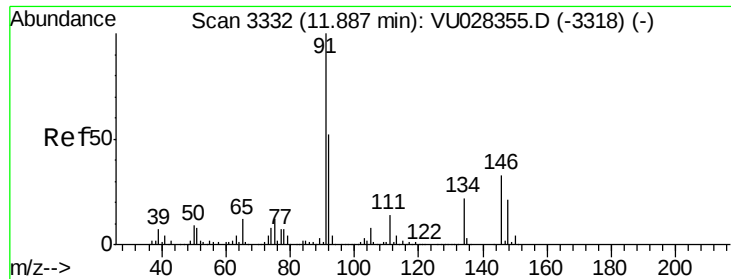
Ion Ratio Lower Upper

119 100

134 26.9 12.8 38.3

91 27.2 13.1 39.1





#89

n-Butylbenzene

Concen: 4.684 ug/l

RT: 11.87 min Scan# 3328

Delta R.T. -0.01 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

ClientSampled :

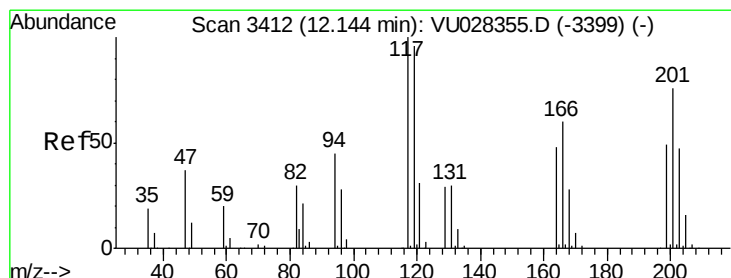
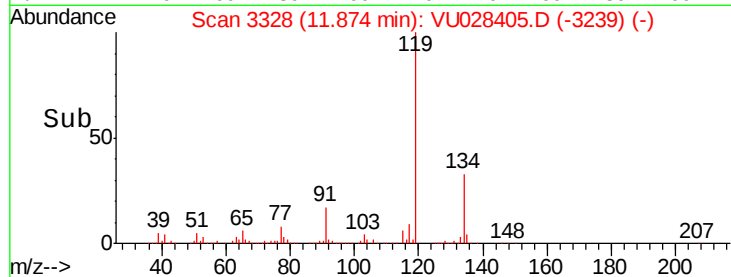
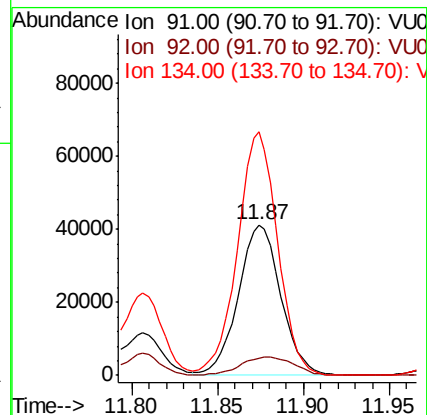
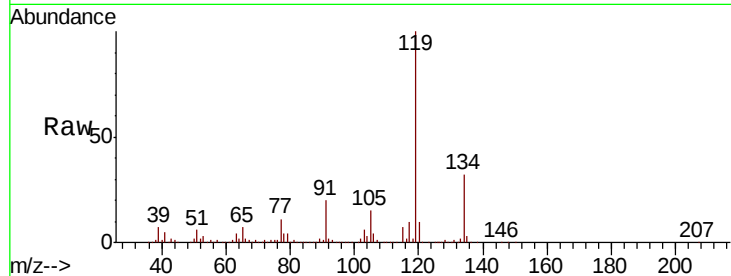
Tot Ion: 91 Resp: 70087

Ion Ratio Lower Upper

91 100

92 15.4 26.2 78.5#

134 154.5 11.1 33.1#



#90

Hexachloroethane

Concen: 3.000 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028405.D

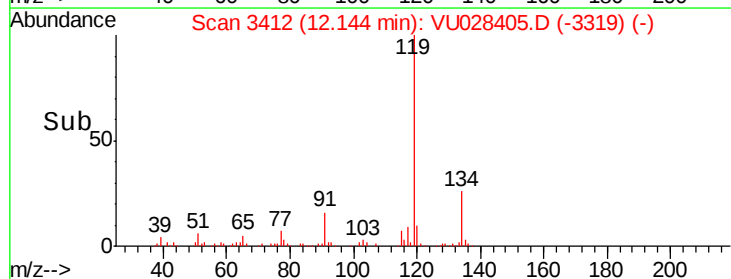
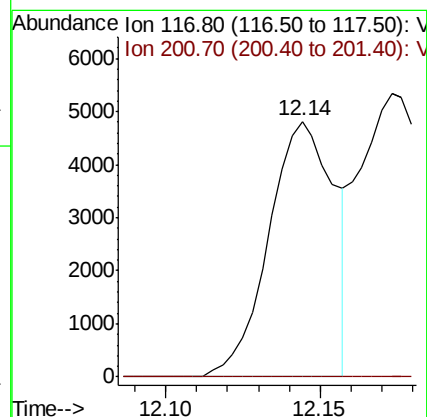
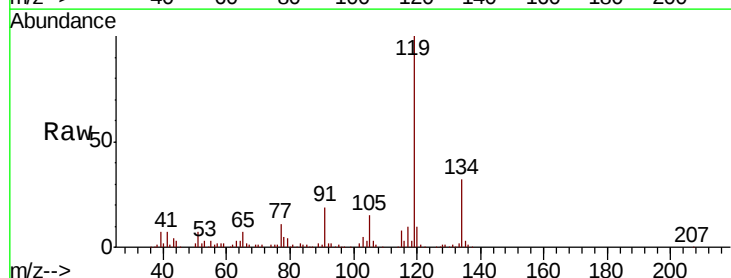
Acq: 29 Nov 2018 19:39

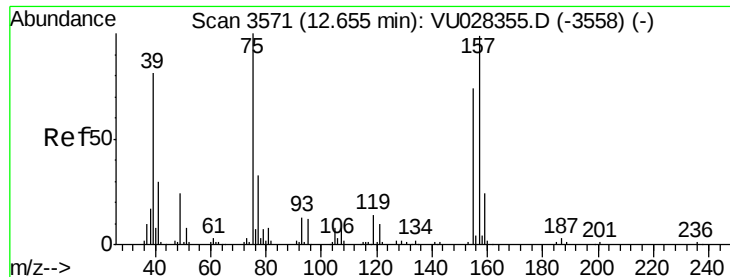
Tgt Ion: 117 Resp: 7100

Ion Ratio Lower Upper

117 100

201 0.0 37.7 113.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.191 ug/l

RT: 12.65 min Scan# 3568

Delta R.T. -0.01 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

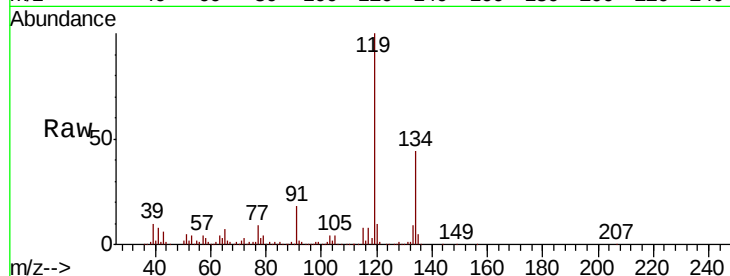
Tot Ion: 75 Resp: 1969

Ion Ratio Lower Upper

75 100

155 0.0 36.9 110.7#

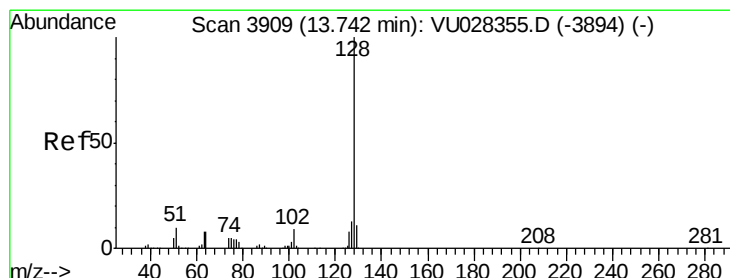
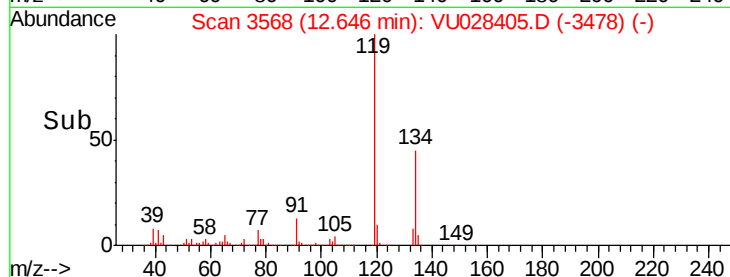
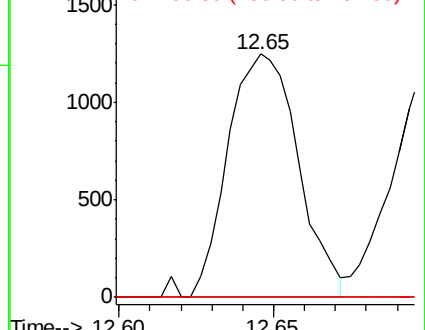
157 0.0 47.5 142.5#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 13.047 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

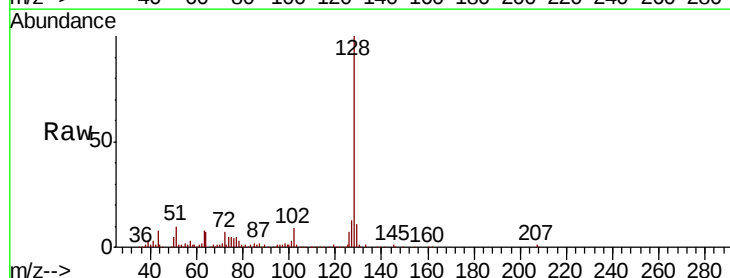
Tgt Ion: 128 Resp: 211694

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

129 11.6 8.6 12.8



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

