

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028451.D
 Acq On : 03 Dec 2018 19:01
 Operator : MD/SY
 Sample : J6149-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OWS-2

Quant Time: Dec 04 06:58:45 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	4.99	168	296292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	552857	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	535010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	259409	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	247679	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	4.88	113	184081	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	7.57	98	726526	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	10.30	95	273323	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	4366	3.881	ug/l #	90
13) Acrolein	2.20	56	930	0.930	ug/l #	14
14) Allyl chloride	2.70	41	47763	5.775	ug/l #	27
16) Acetone	2.32	43	68083	22.476	ug/l	97
17) Carbon Disulfide	2.48	76	9162	0.754	ug/l #	90
18) Methyl Acetate	2.62	43	2337	0.277	ug/l #	71
20) Methylene Chloride	2.70	84	1063764	249.277	ug/l	94
25) 2-Butanone	4.27	43	18724	4.313	ug/l	99
28) Bromochloromethane	4.55	49	927	0.231	ug/l #	88
29) Tetrahydrofuran	4.63	42	19336	6.860	ug/l #	39
31) Cyclohexane	4.98	56	8236	0.618	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	26934	4.452	ug/l #	50
37) Ethyl Acetate	4.27	43	18724	2.271	ug/l #	71
38) Carbon Tetrachloride	4.98	117	29297	5.897	ug/l #	16
40) Benzene	5.39	78	4089	0.228	ug/l	99
43) Isopropyl Acetate	5.55	43	17401	1.332	ug/l	96
48) Methyl methacrylate	6.70	41	47856	7.032	ug/l #	48
49) 1,4-Dioxane	6.69	88	68	0.625	ug/l #	1
51) 4-Methyl-2-Pentanone	7.42	43	110256	13.213	ug/l #	50
52) Toluene	7.64	92	26342	2.553	ug/l	97
54) cis-1,3-Dichloropropene	7.42	75	51056	6.648	ug/l #	56
57) 1,3-Dichloropropane	8.41	76	8320	1.057	ug/l #	44
59) 2-Hexanone	8.31	43	20882	3.231	ug/l #	27
67) Ethyl Benzene	9.25	91	54890	2.623	ug/l	98
68) m/p-Xylenes	9.37	106	77144	10.244	ug/l	96
69) o-Xylene	9.78	106	25219	3.369	ug/l	100
70) Styrene	9.79	104	3261	0.270	ug/l #	1
73) Isopropylbenzene	10.16	105	10446	0.518	ug/l	99
76) 1,2,3-Trichloropropane	10.30	75	144590	20.100	ug/l #	33
78) n-propylbenzene	10.59	91	32328	1.299	ug/l	99
79) 2-Chlorotoluene	10.68	91	20107	1.370	ug/l #	44
80) 1,3,5-Trimethylbenzene	10.77	105	63154	3.715	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.30	75	144590	53.355	ug/l #	100
82) 4-Chlorotoluene	10.77	91	6623	0.392	ug/l #	47

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 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

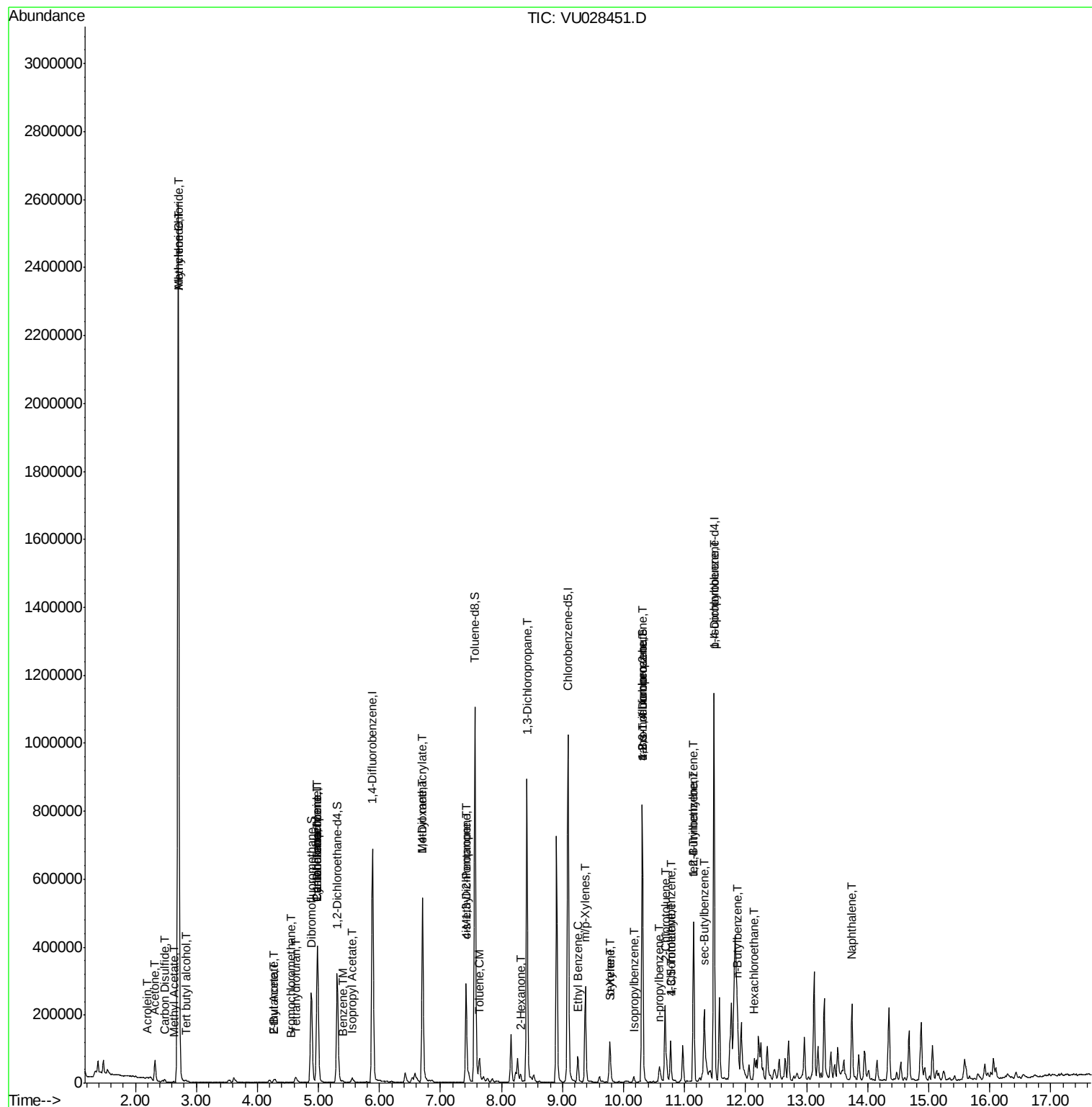
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	11.15	119	28912	1.824	uq/l #	57
84) 1,2,4-Trimethylbenzene	11.15	105	251398	14.598	uq/l	100
85) sec-Butylbenzene	11.32	105	8020	0.390	uq/l	96
86) p-Isopropyltoluene	11.48	119	31818	1.880	uq/l	95
89) n-Butylbenzene	11.88	91	15604	0.934	uq/l #	25
90) Hexachloroethane	12.14	117	3289	1.245	uq/l #	12
95) Naphthalene	13.74	128	170296	10.193	uq/l	99

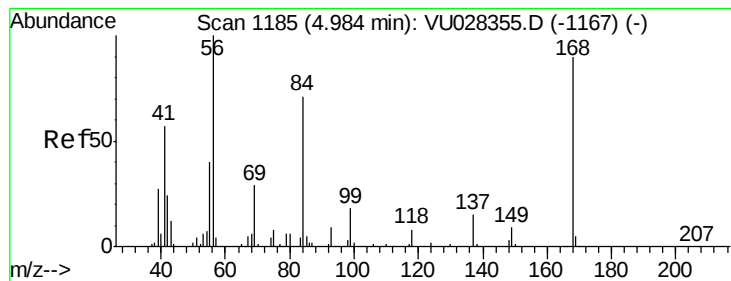
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

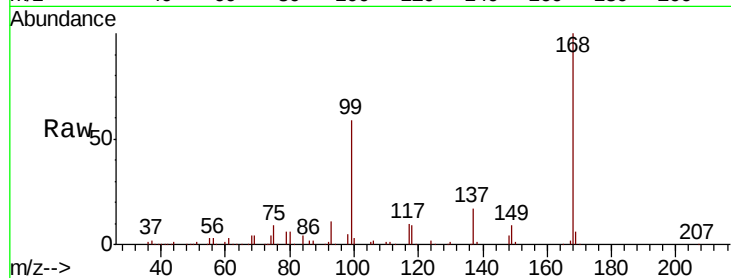
OWS-2

Tot Ion:168 Resp: 296292

Ion Ratio Lower Upper

168 100

99 59.2 49.6 74.4



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

Ion 98.90 (98.60 to 99.60): VU028355.D

4.99

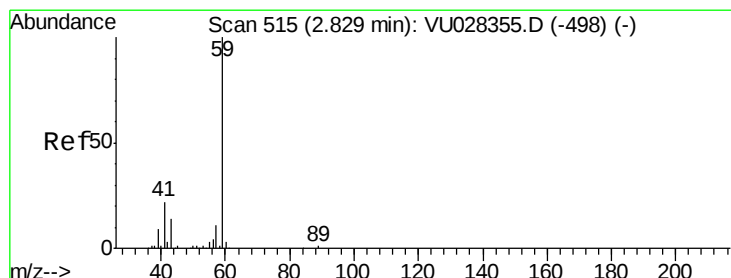
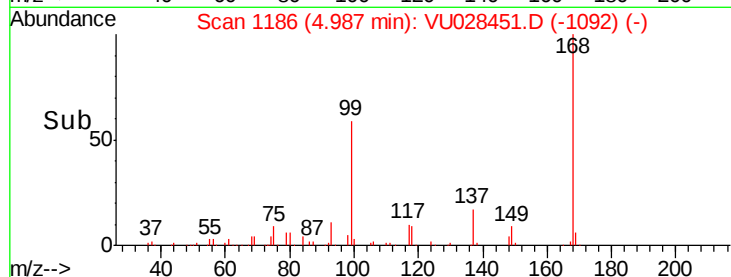
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.881 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028451.D

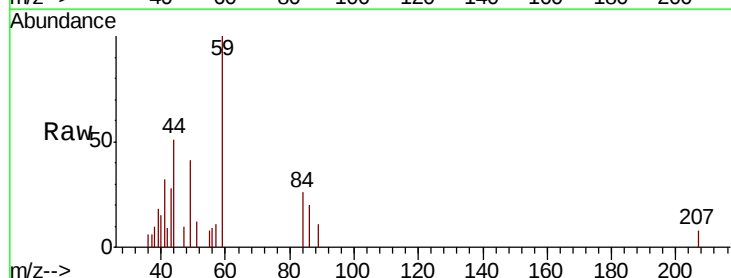
Acq: 03 Dec 2018 19:01

Tgt Ion: 59 Resp: 4366

Ion Ratio Lower Upper

59 100

57 6.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D

Ion 57.00 (56.70 to 57.70): VU028355.D

2.83

2000

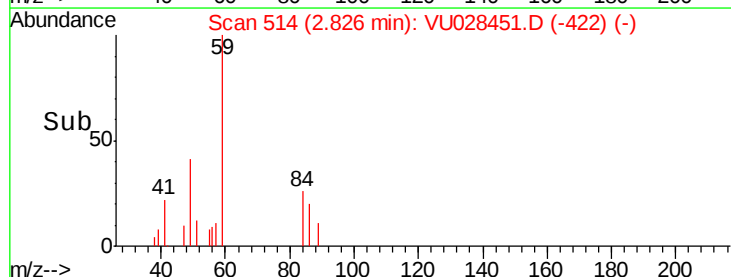
1500

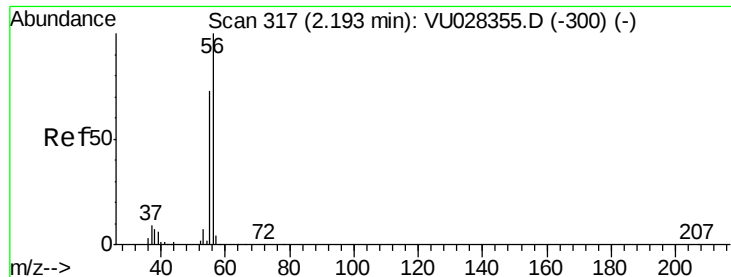
1000

500

0

Time-->





#13

Acrolein

Concen: 0.930 ug/l

RT: 2.20 min Scan# 319

Delta R.T. 0.01 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampled :

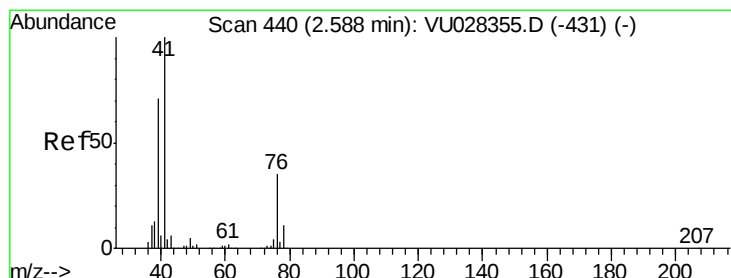
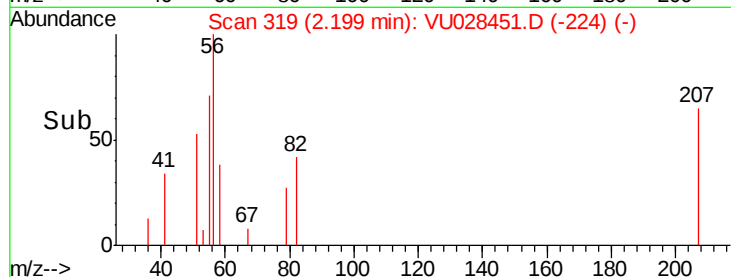
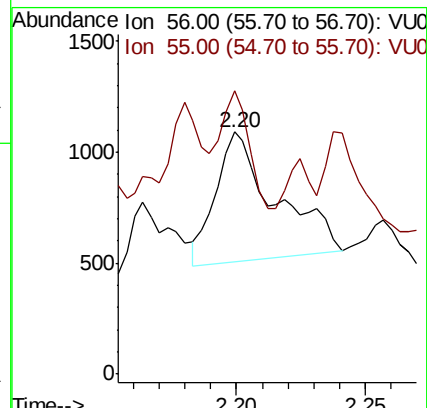
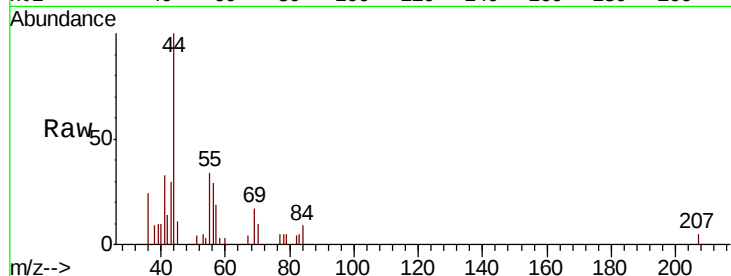
OWS-2

Tot Ion: 56 Resp: 930

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



#14

Allyl chloride

Concen: 5.775 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.11 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

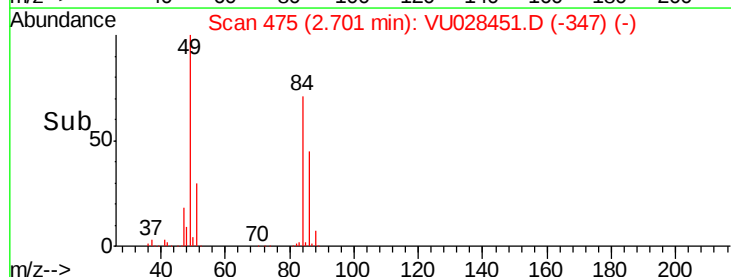
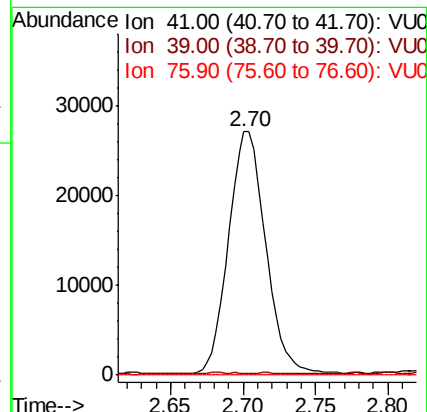
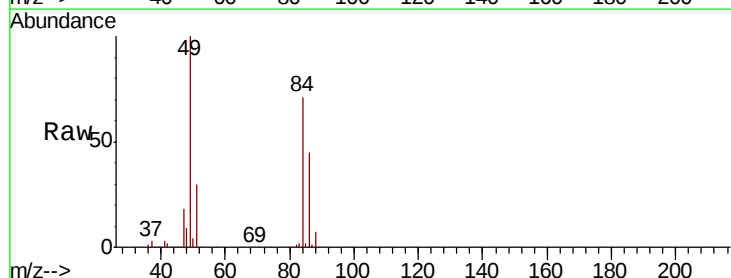
Tgt Ion: 41 Resp: 47763

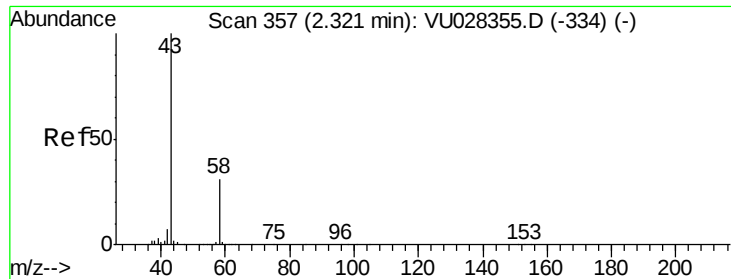
Ion Ratio Lower Upper

41 100

39 0.3 51.6 77.4#

76 0.0 24.4 36.6#

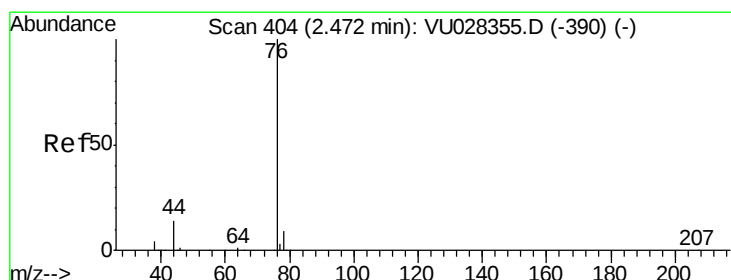
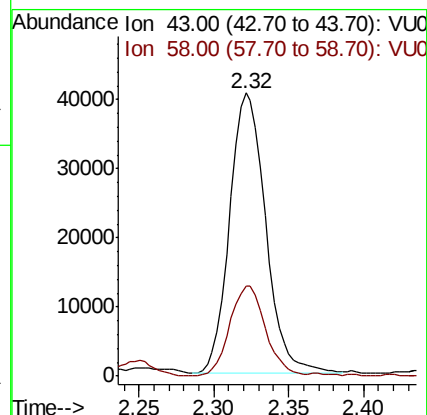
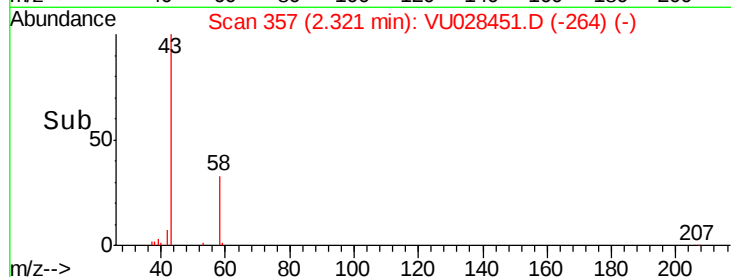
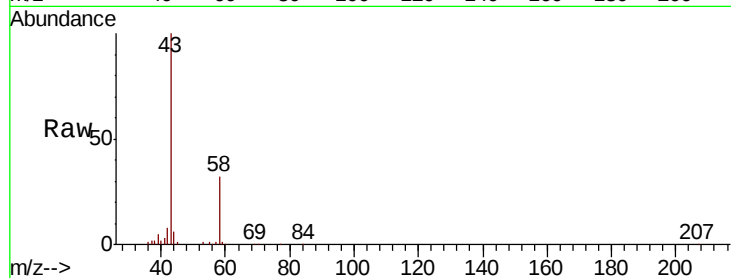




#16
Acetone
Concen: 22.476 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

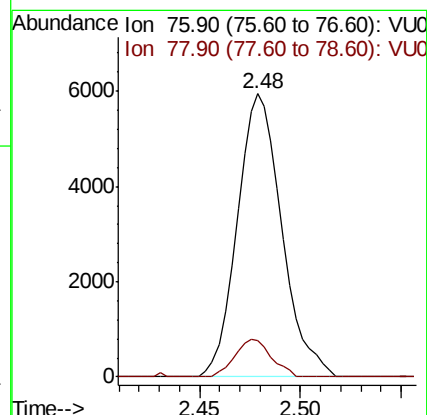
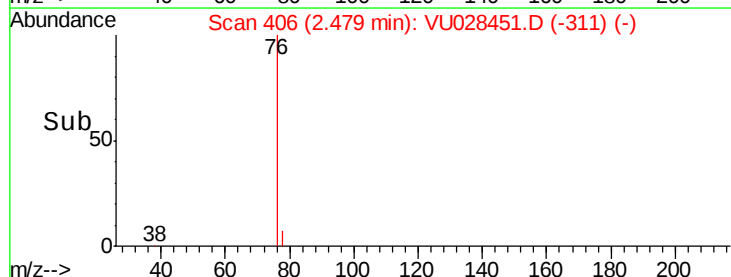
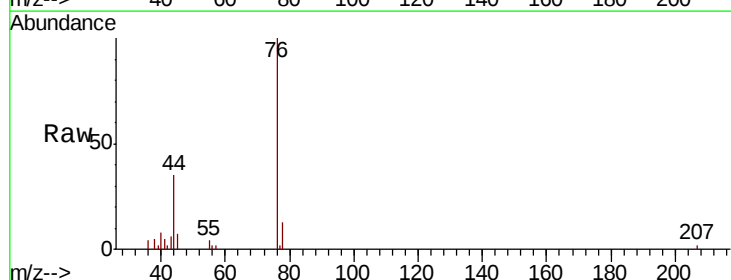
Instrument :
MSVOA_U
ClientSampleId :
OWS-2

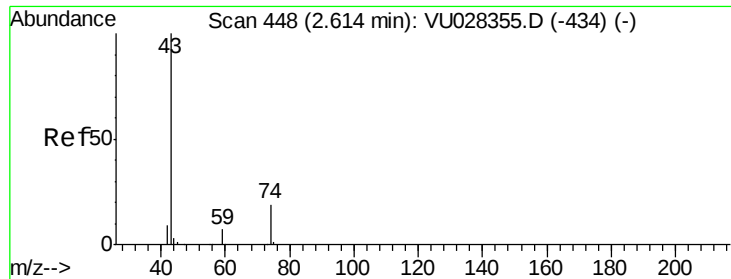
Tot Ion: 43 Resp: 68083
Ion Ratio Lower Upper
43 100
58 32.3 24.4 36.6



#17
Carbon Disulfide
Concen: 0.754 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Tgt Ion: 76 Resp: 9162
Ion Ratio Lower Upper
76 100
78 12.9 7.4 11.2#

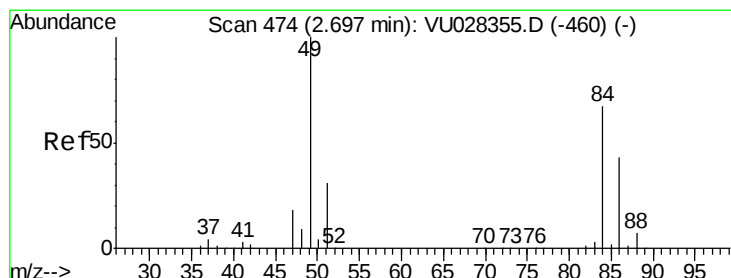
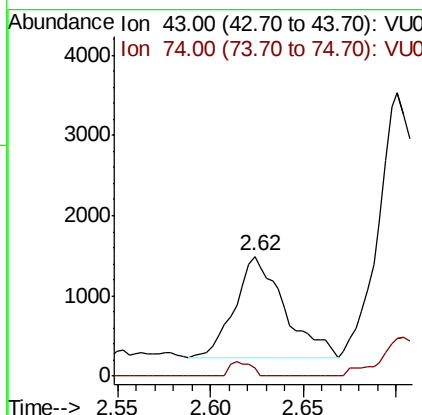
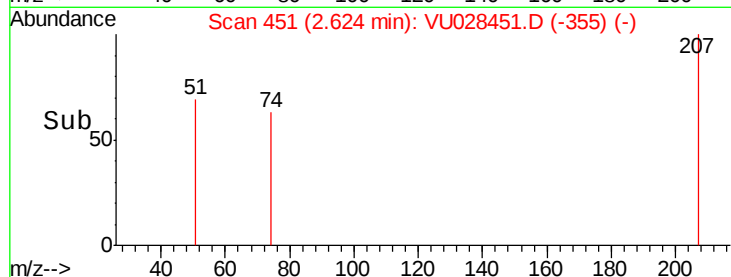
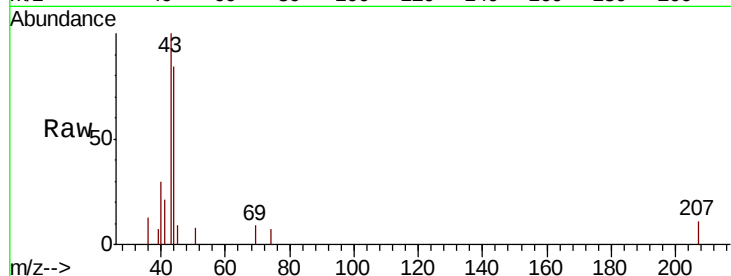




#18
Methyl Acetate
Concen: 0.277 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

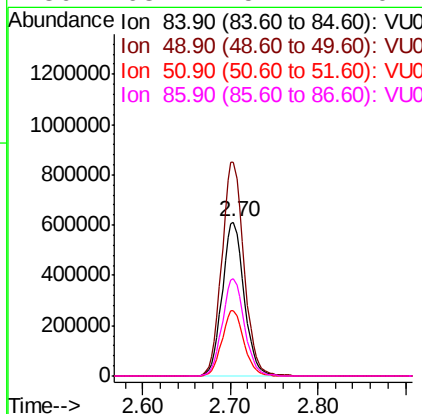
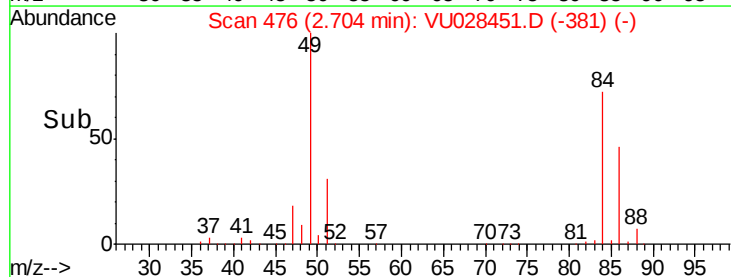
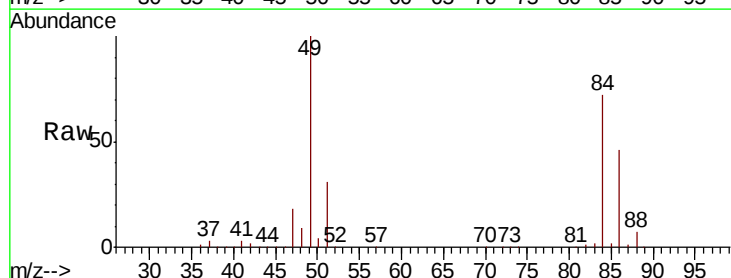
Instrument :
MSVOA_U
ClientSampleId :
OWS-2

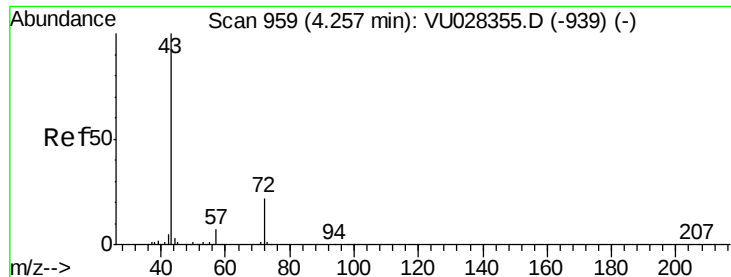
Tot Ion: 43 Resp: 2337
Ion Ratio Lower Upper
43 100
74 6.0 15.3 22.9#



#20
Methylene Chloride
Concen: 249.277 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Tgt Ion: 84 Resp: 1063764
Ion Ratio Lower Upper
84 100
49 138.7 120.0 180.0
51 42.4 36.9 55.3
86 63.4 51.1 76.7





#25

2-Butanone

Concen: 4.313 ug/l

RT: 4.27 min Scan# 964

Delta R.T. 0.02 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

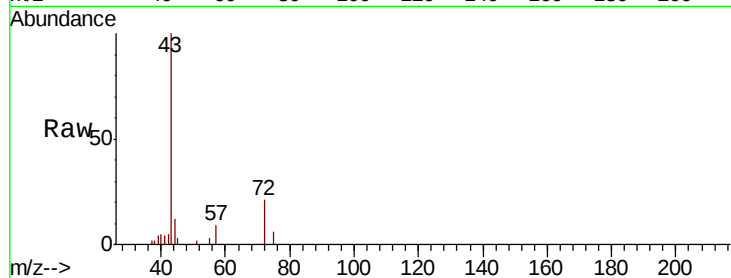
OWS-2

Tot Ion: 43 Resp: 18724

Ion Ratio Lower Upper

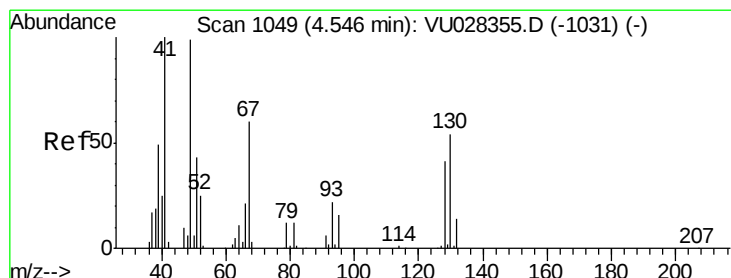
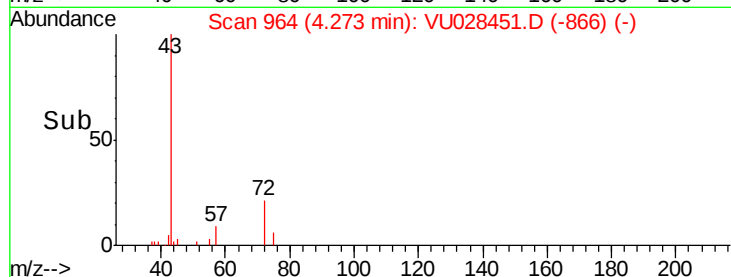
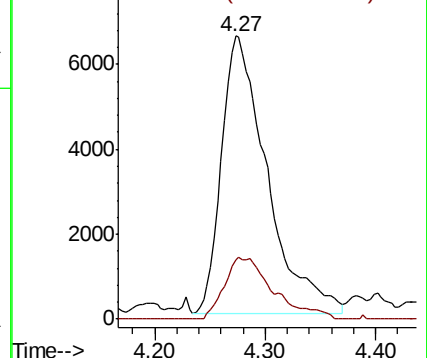
43 100

72 21.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-939) (-)

Ion 72.00 (71.70 to 72.70): VU028355.D (-939) (-)



#28

Bromochloromethane

Concen: 0.231 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

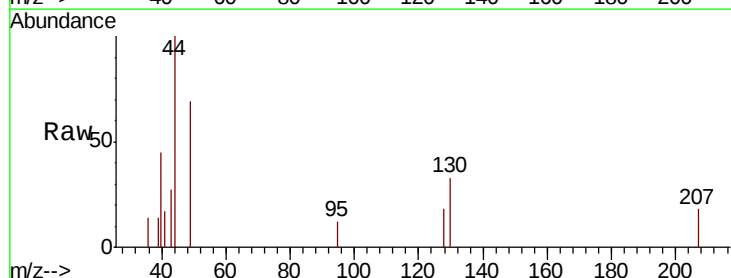
Tgt Ion: 49 Resp: 927

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

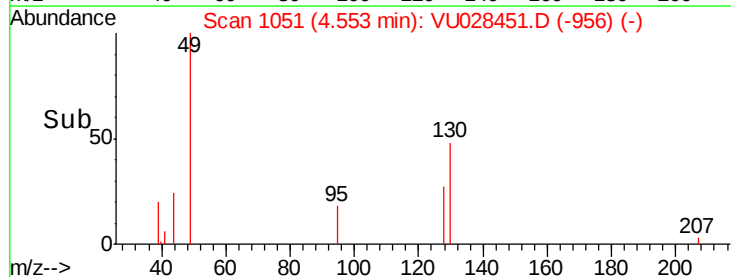
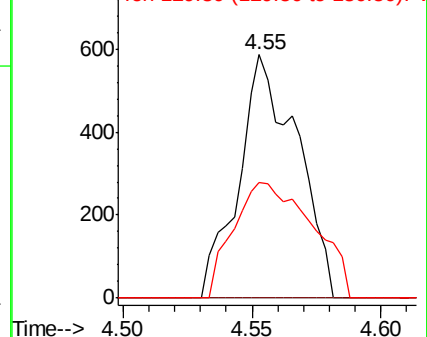
130 64.4 44.5 66.7

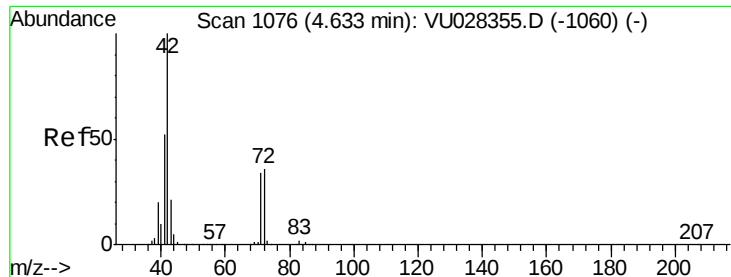


Abundance Ion 48.90 (48.60 to 49.60): VU028355.D (-1031) (-)

Ion 128.80 (128.50 to 129.50): VU028355.D (-1031) (-)

Ion 129.80 (129.50 to 130.50): VU028355.D (-1031) (-)





#29

Tetrahydrofuran

Concen: 6.860 ug/l

RT: 4.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

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OWS-2

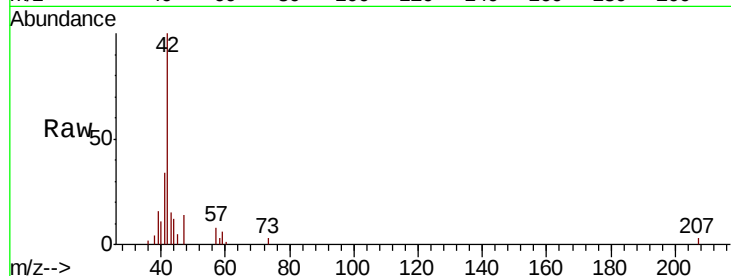
Tot Ion: 42 Resp: 19336

Ion Ratio Lower Upper

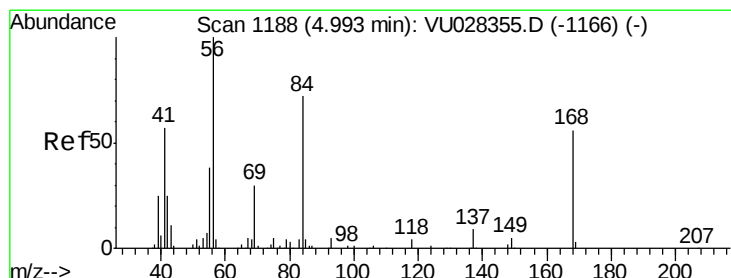
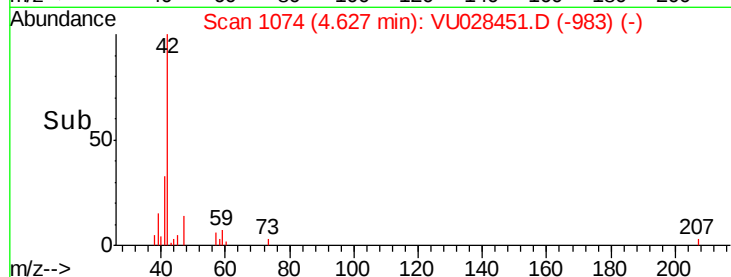
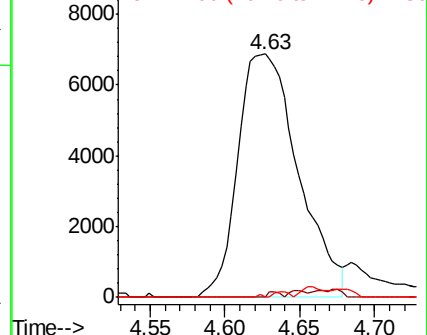
42 100

72 0.0 29.5 44.3#

71 0.1 27.7 41.5#



Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#31

Cyclohexane

Concen: 0.618 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

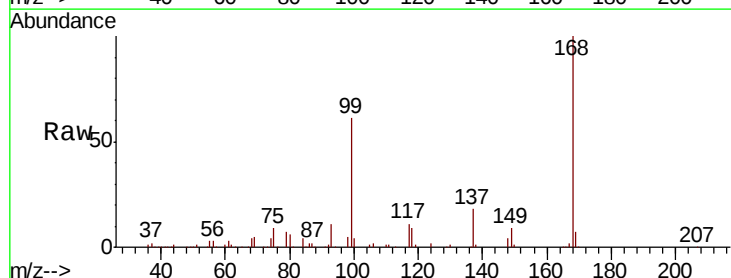
Tgt Ion: 56 Resp: 8236

Ion Ratio Lower Upper

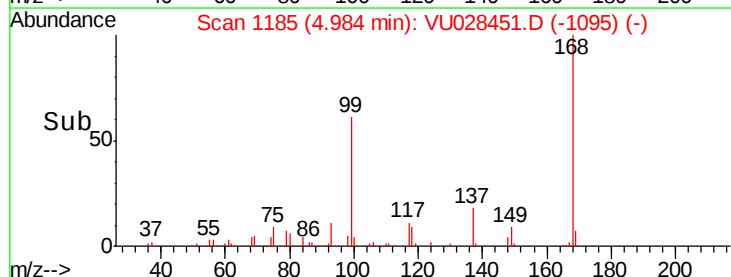
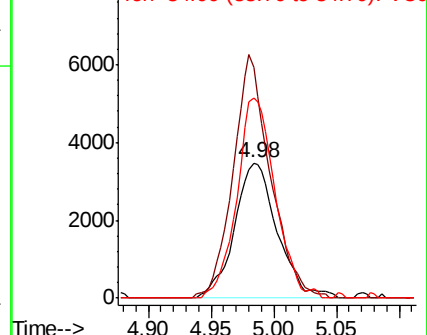
56 100

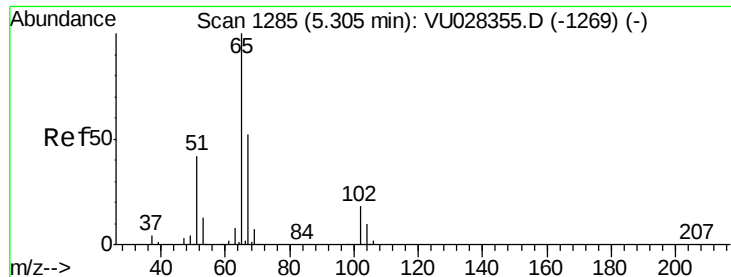
69 171.2 23.7 35.5#

84 148.5 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: 50.018 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampled :

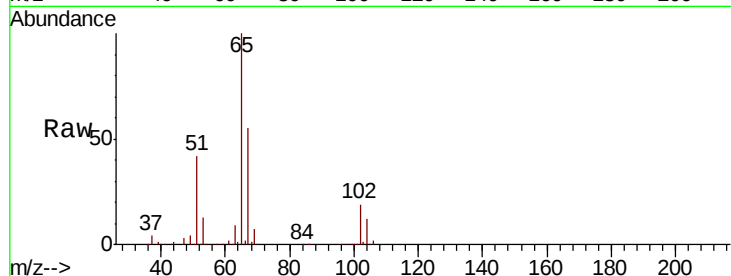
OWS-2

Tot Ion: 65 Resp: 247679

Ion Ratio Lower Upper

65 100

67 55.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.31

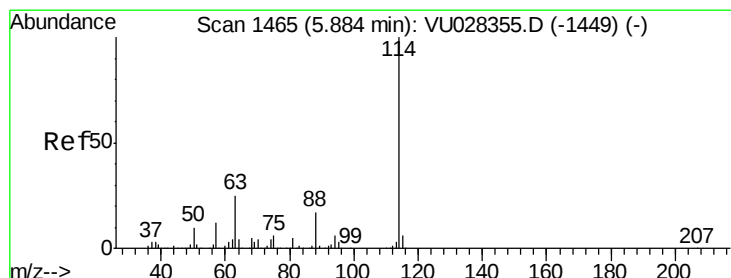
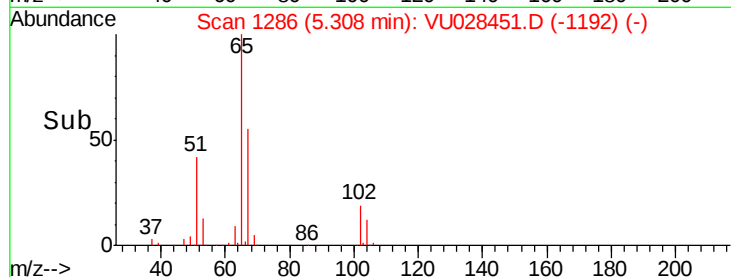
100000

50000

0

Time-->

5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

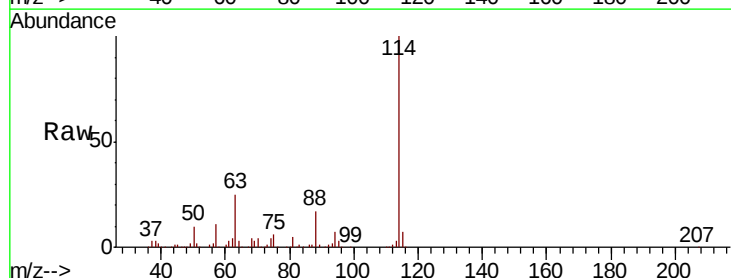
Tgt Ion: 114 Resp: 552857

Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.0

88 16.6 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

5.89

300000

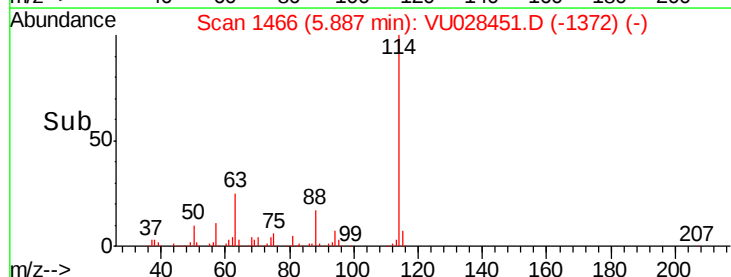
200000

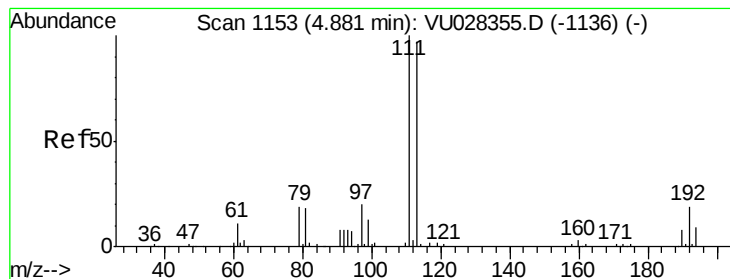
100000

0

Time-->

5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 50.073 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampled :

OWS-2

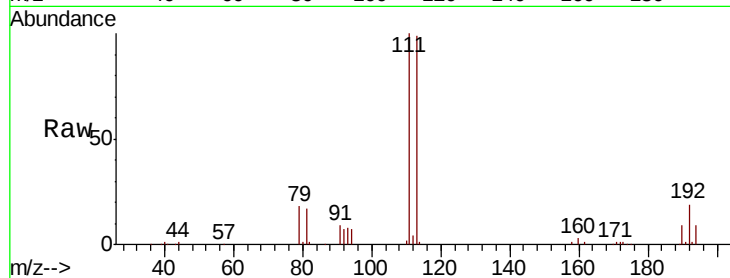
Tot Ion:113 Resp: 184081

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

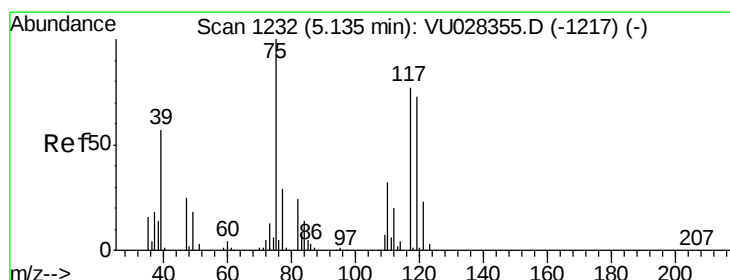
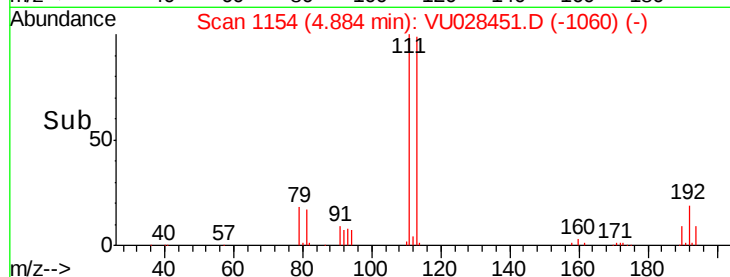
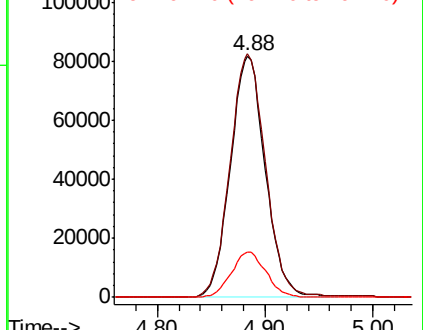
192 18.7 15.4 23.0



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: 4.452 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

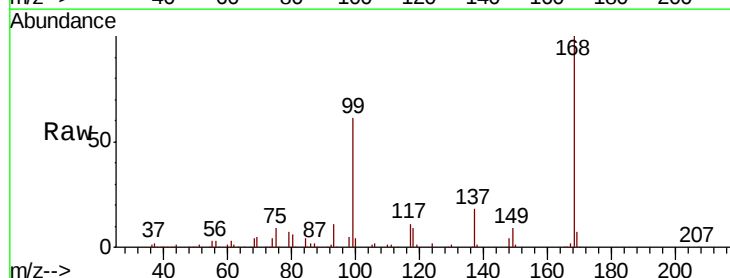
Tgt Ion: 75 Resp: 26934

Ion Ratio Lower Upper

75 100

110 6.8 15.8 47.4#

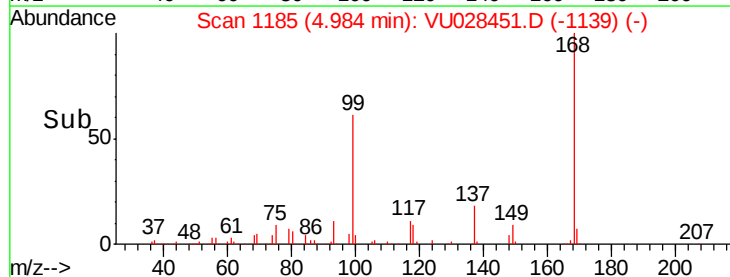
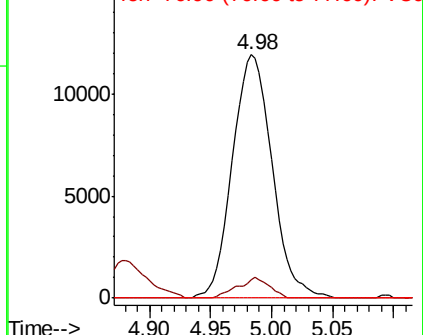
77 0.0 24.6 36.8#

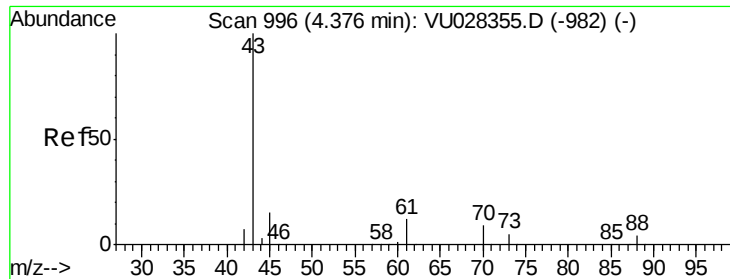


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

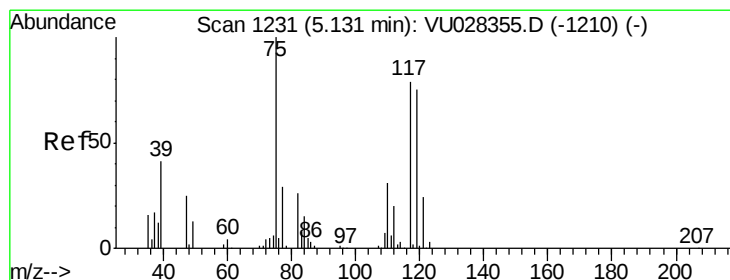
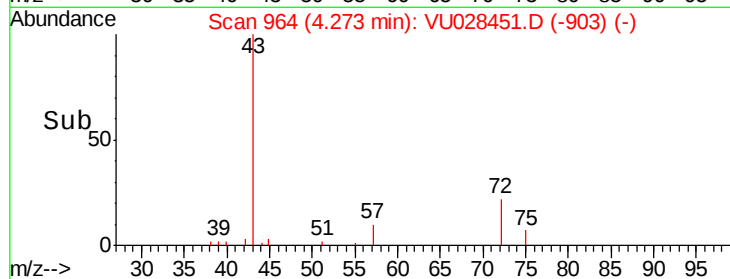
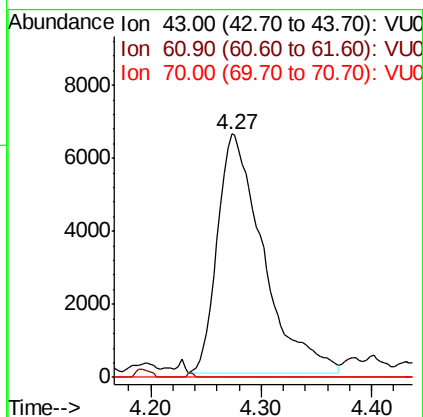
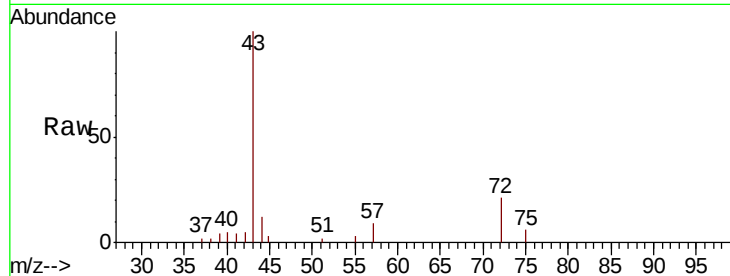




#37
Ethyl Acetate
Concen: 2.271 ug/l
RT: 4.27 min Scan# 964
Delta R.T. -0.10 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

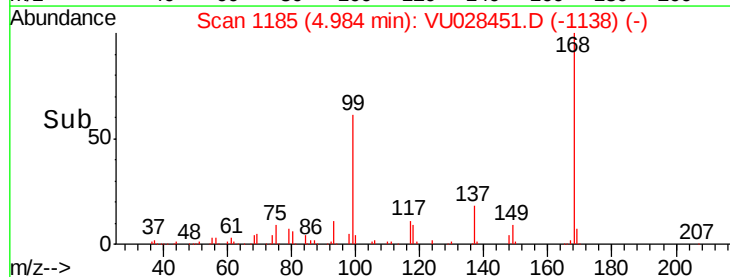
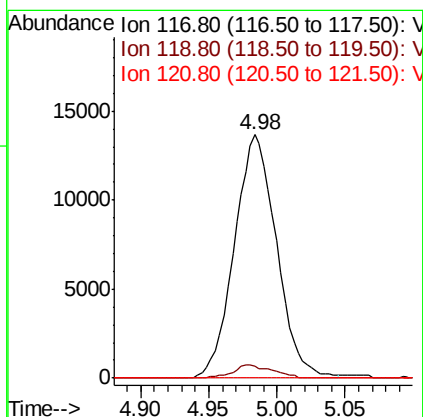
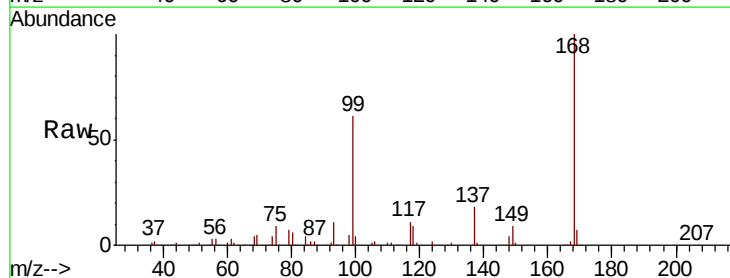
Instrument :
MSVOA_U
ClientSampleId :
OWS-2

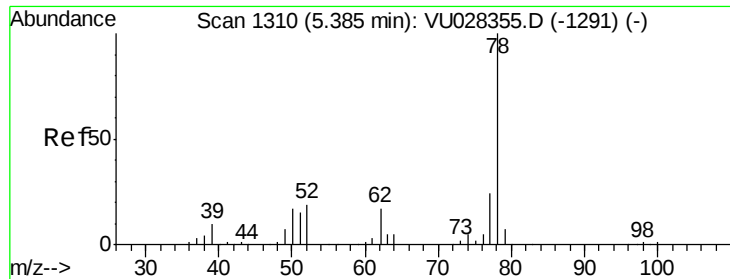
Tot Ion: 43 Resp: 18724
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.897 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Tgt Ion: 117 Resp: 29297
Ion Ratio Lower Upper
117 100
119 4.9 76.3 114.5#
121 0.0 24.7 37.1#





#40

Benzene

Concen: 0.228 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

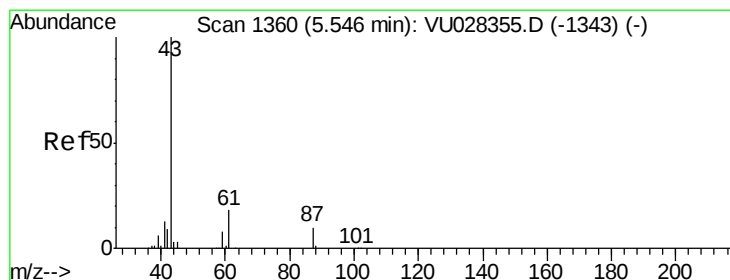
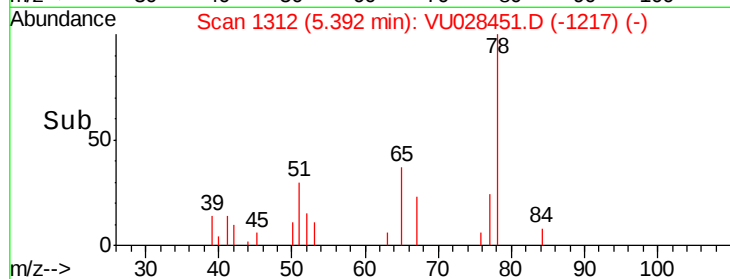
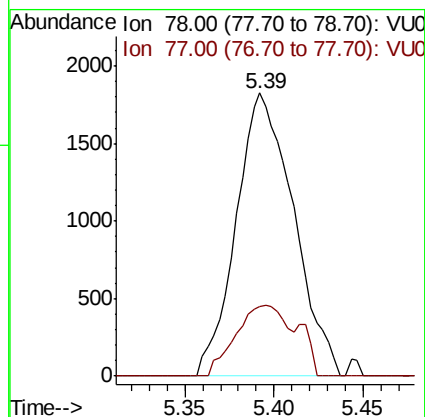
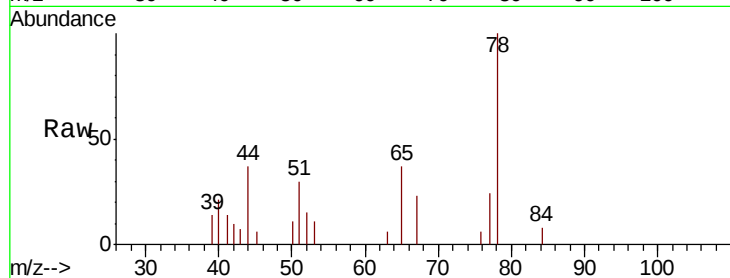
OWS-2

Tot Ion: 78 Resp: 4089

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.6



#43

Isopropyl Acetate

Concen: 1.332 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

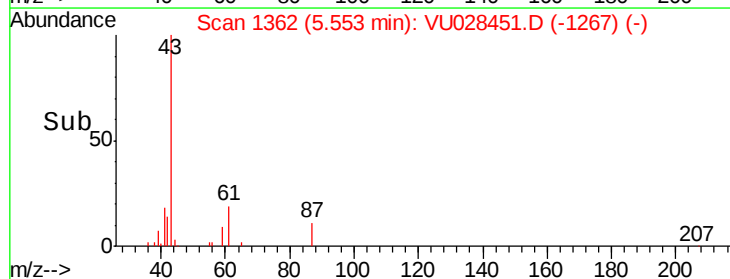
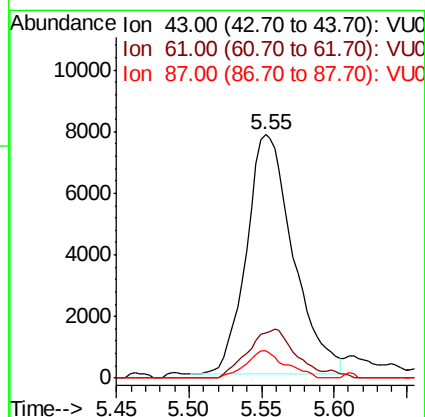
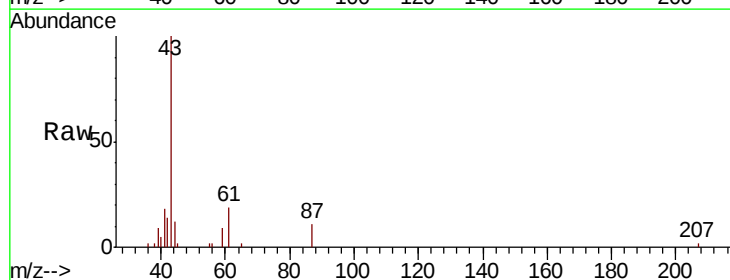
Tgt Ion: 43 Resp: 17401

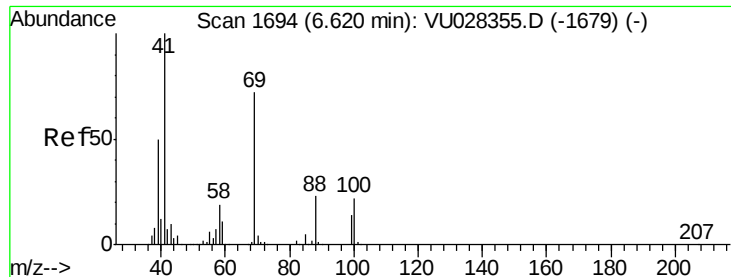
Ion Ratio Lower Upper

43 100

61 20.4 14.5 21.7

87 9.7 8.4 12.6

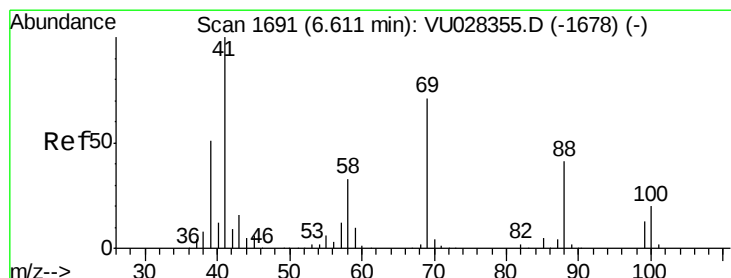
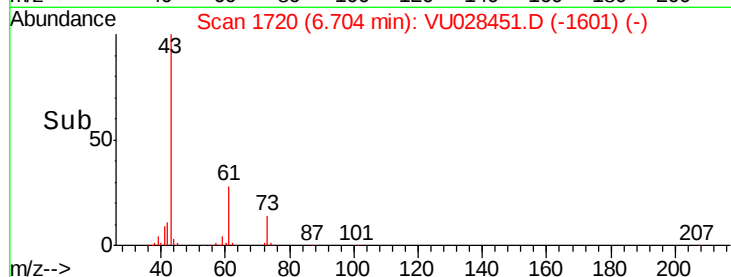
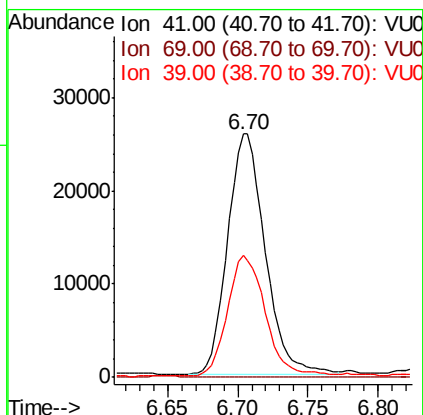
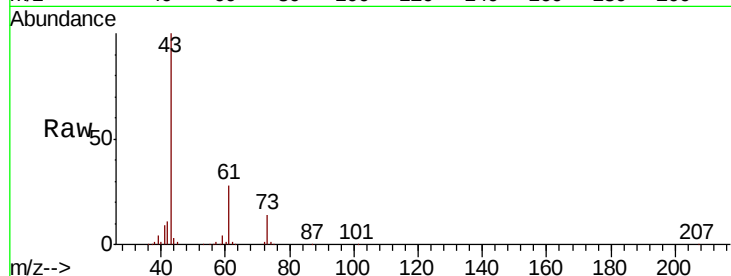




#48
Methyl methacrylate
Concen: 7.032 ug/l
RT: 6.70 min Scan# 1720
Delta R.T. 0.08 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

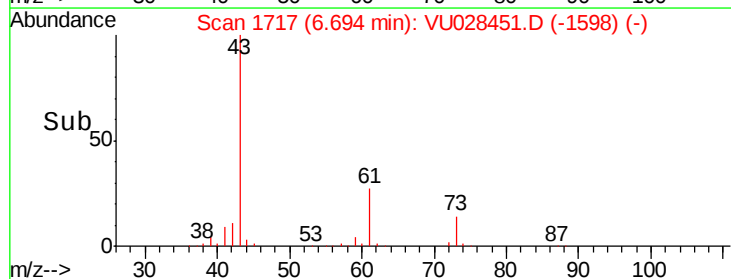
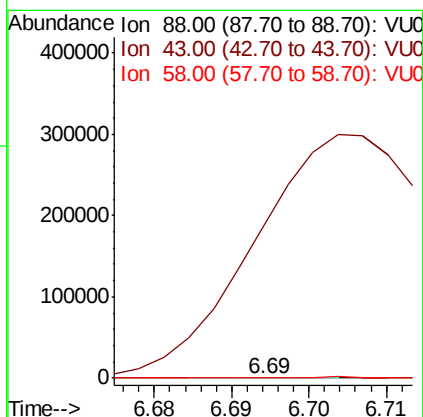
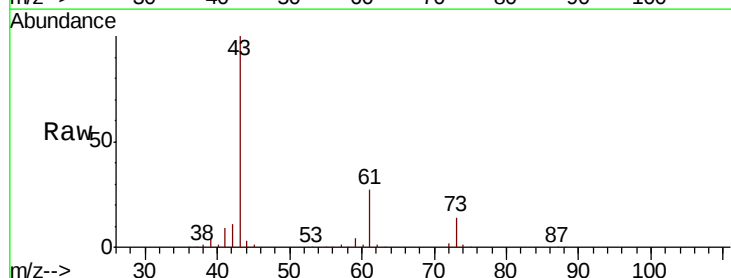
Instrument :
MSVOA_U
ClientSampleId :
OWS-2

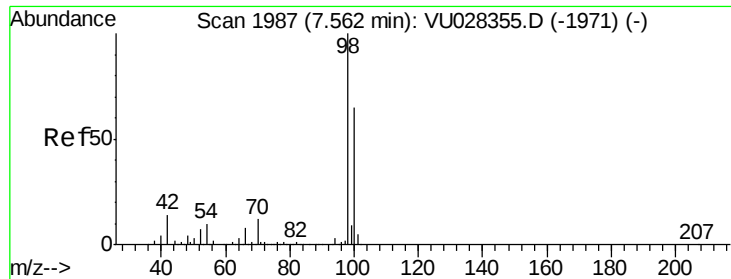
Tot Ion: 41 Resp: 47856
Ion Ratio Lower Upper
41 100
69 0.0 59.0 88.4#
39 50.8 40.5 60.7



#49
1,4-Dioxane
Concen: 0.625 ug/l
RT: 6.69 min Scan# 1717
Delta R.T. 0.08 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 814163.2 32.6 48.8#
58 3354.4 68.7 103.1#

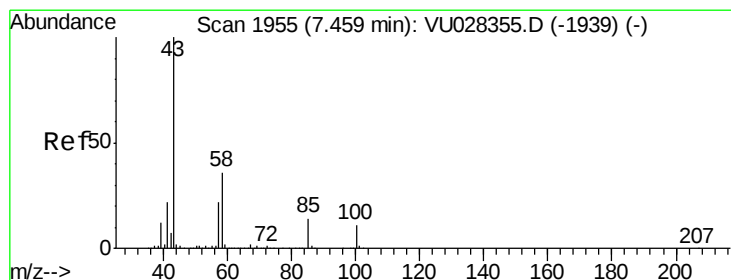
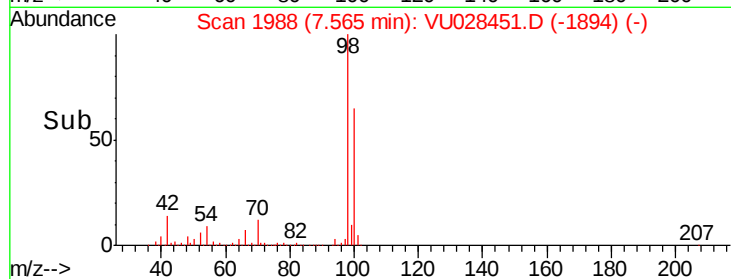
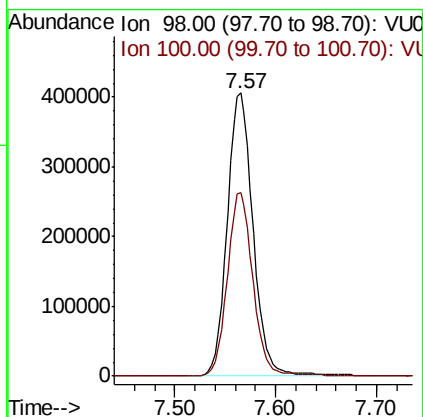
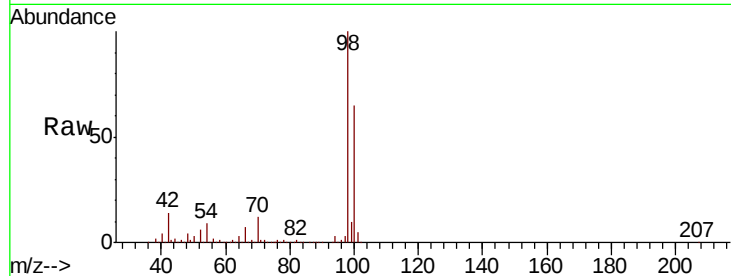




#50
Toluene-d8
Concen: 49.415 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

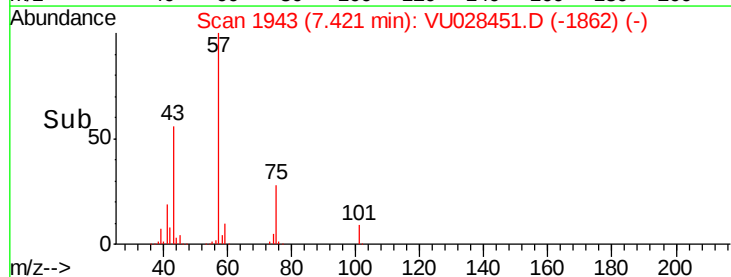
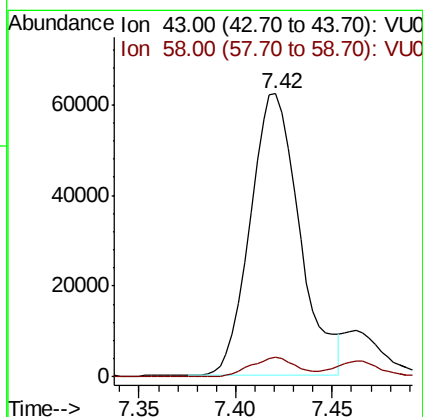
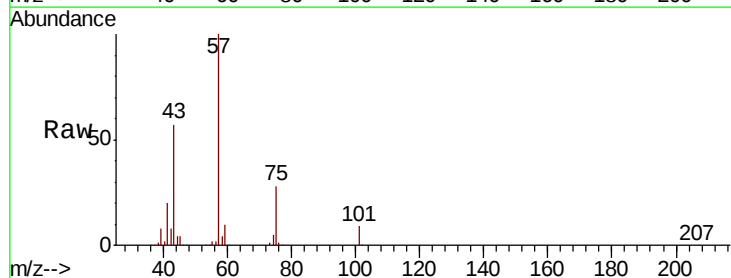
Instrument :
MSVOA_U
ClientSampleId :
OWS-2

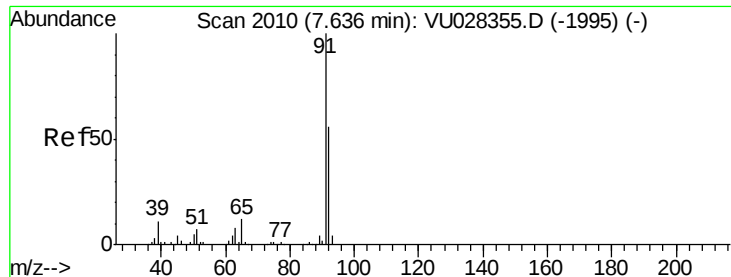
Tot Ion: 98 Resp: 726526
Ion Ratio Lower Upper
98 100
100 64.2 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 13.213 ug/l
RT: 7.42 min Scan# 1943
Delta R.T. -0.04 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Tgt Ion: 43 Resp: 110256
Ion Ratio Lower Upper
43 100
58 6.3 28.8 43.2#





#52

Toluene

Concen: 2.553 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampled :

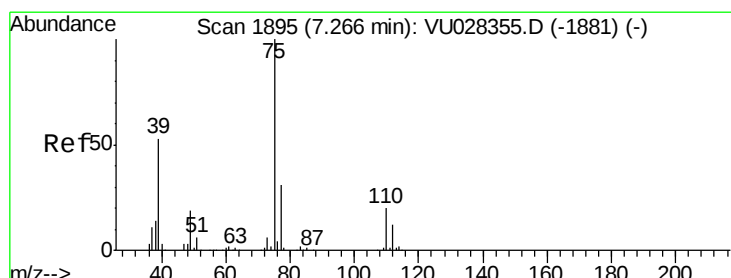
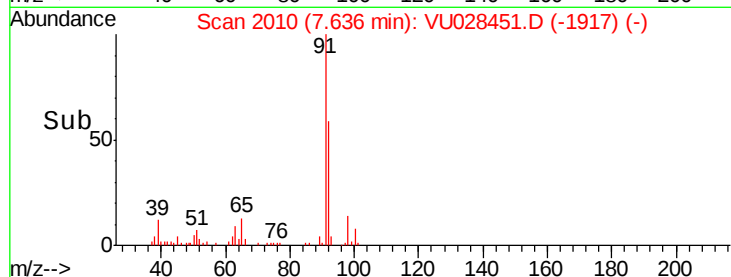
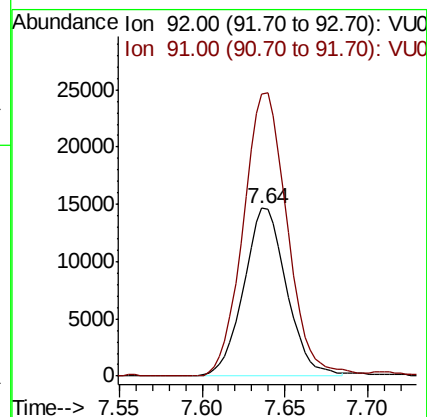
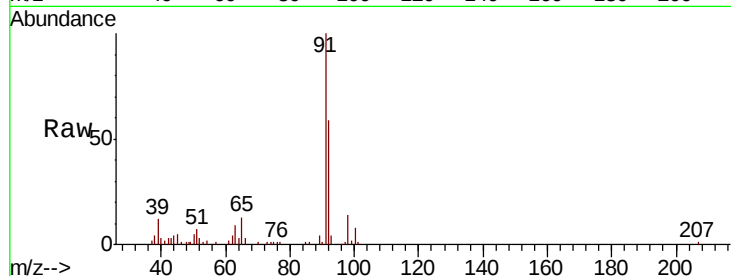
OWS-2

Tot Ion: 92 Resp: 26342

Ion Ratio Lower Upper

92 100

91 173.0 141.8 212.6



#54

cis-1,3-Dichloropropene

Concen: 6.648 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

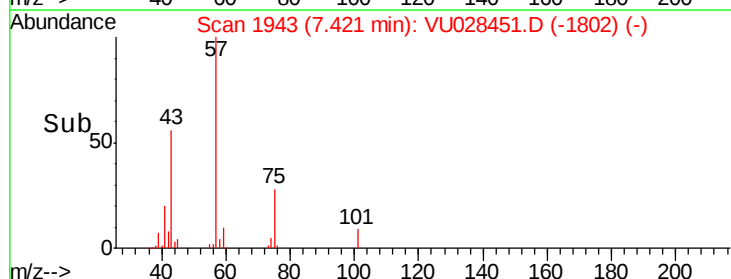
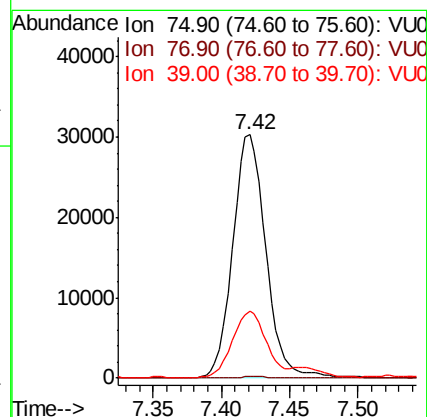
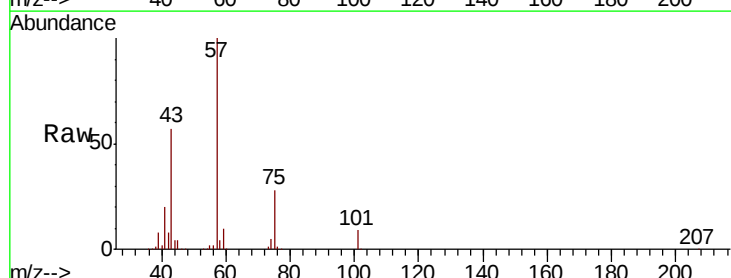
Tgt Ion: 75 Resp: 51056

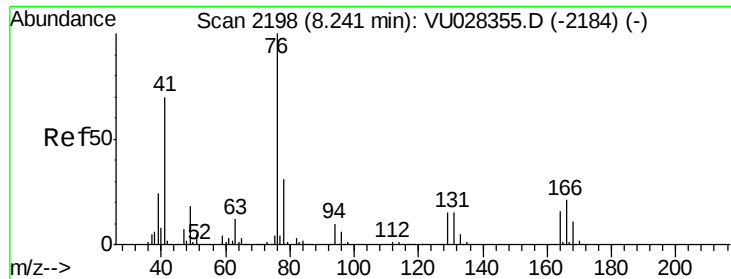
Ion Ratio Lower Upper

75 100

77 0.4 24.9 37.3#

39 27.3 42.6 64.0#

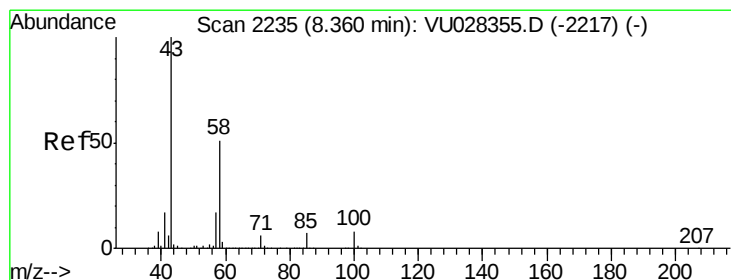
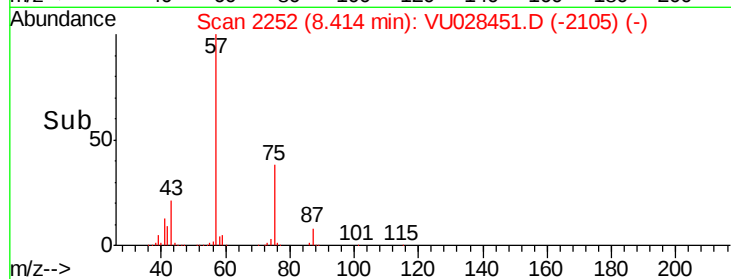
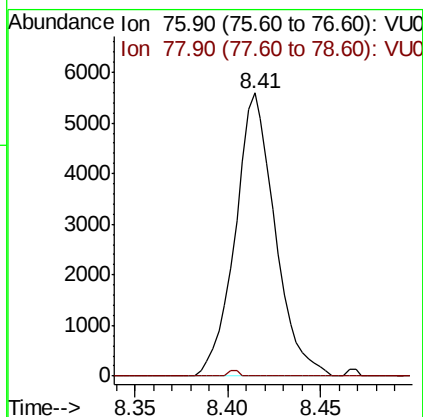
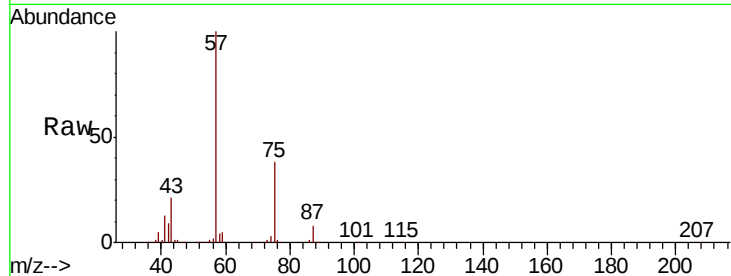




#57
 1,3-Dichloropropane
 Concen: 1.057 ug/l
 RT: 8.41 min Scan# 2252
 Delta R.T. 0.17 min
 Lab File: VU028451.D
 Acq: 03 Dec 2018 19:01

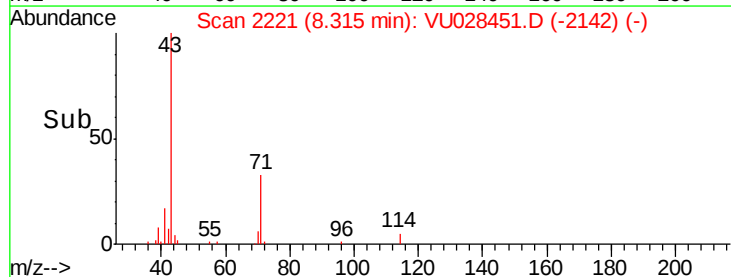
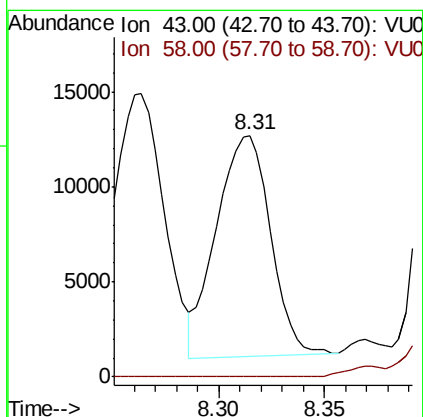
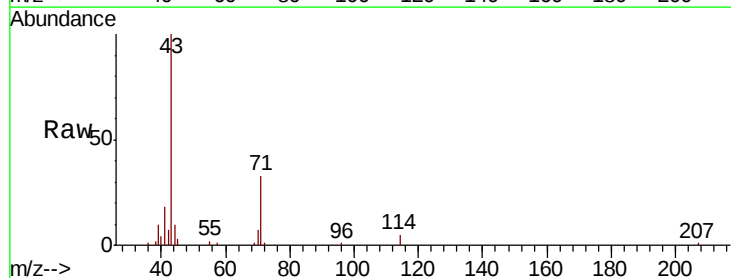
Instrument :
 MSVOA_U
 ClientSampleId :
 OWS-2

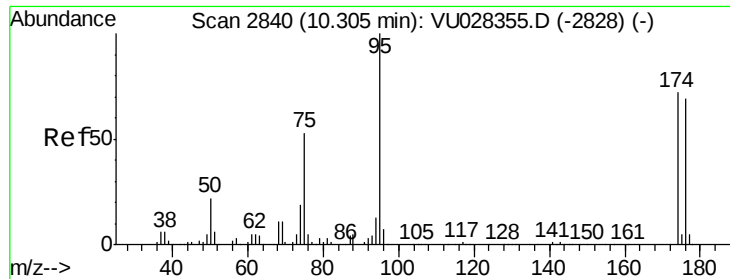
Tot Ion: 76 Resp: 8320
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.4 38.0#



#59
 2-Hexanone
 Concen: 3.231 ug/l
 RT: 8.31 min Scan# 2221
 Delta R.T. -0.05 min
 Lab File: VU028451.D
 Acq: 03 Dec 2018 19:01

Tgt Ion: 43 Resp: 20882
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.5 76.5#





#62

4-Bromofluorobenzene

Concen: 51.578 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

OWS-2

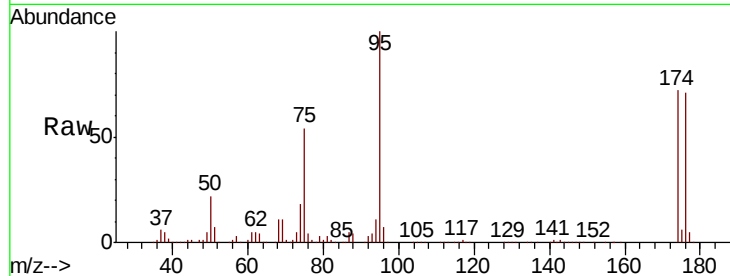
Tot Ion: 95 Resp: 273323

Ion Ratio Lower Upper

95 100

174 73.5 0.0 145.4

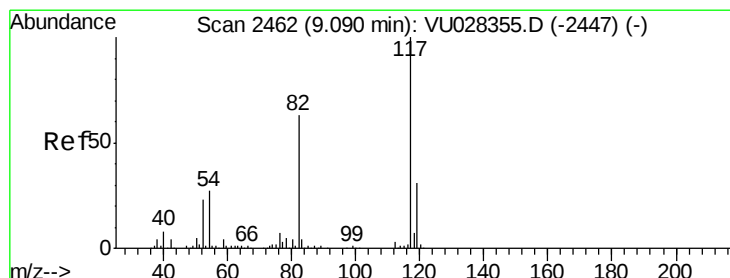
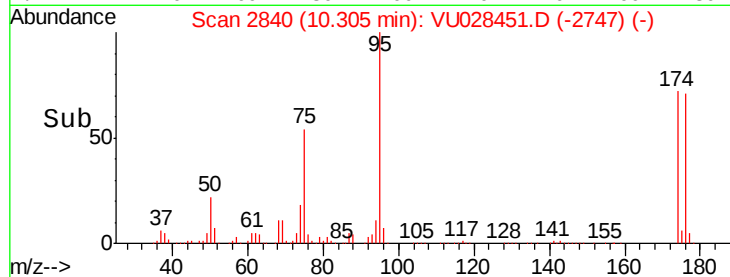
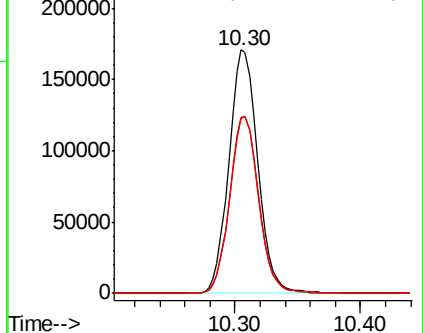
176 72.3 0.0 140.8



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: VU028451.D

Acq: 03 Dec 2018 19:01

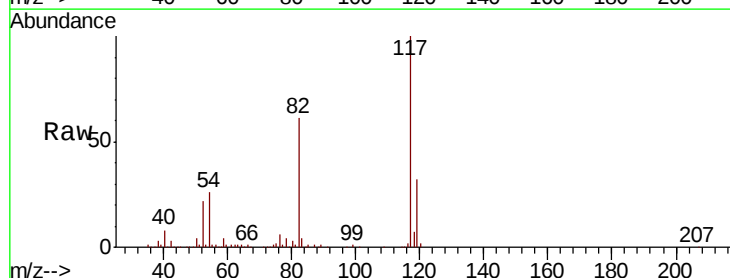
Tgt Ion: 117 Resp: 535010

Ion Ratio Lower Upper

117 100

82 60.6 50.3 75.5

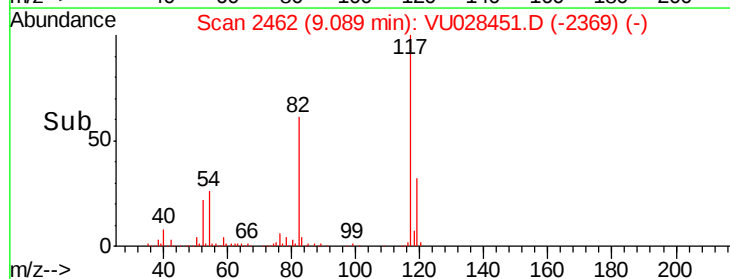
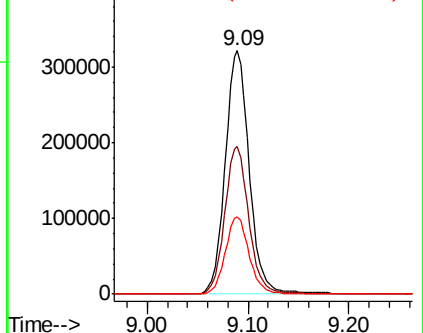
119 31.9 24.8 37.2

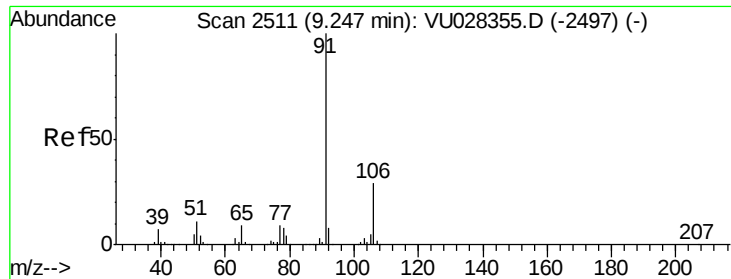


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

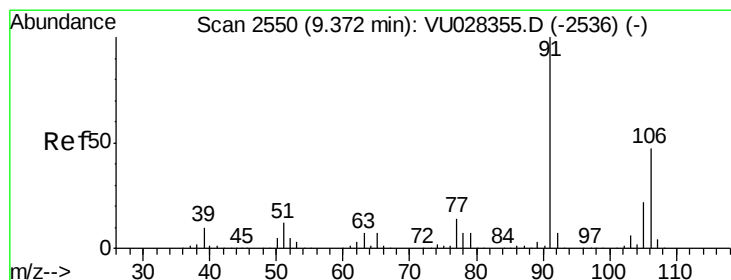
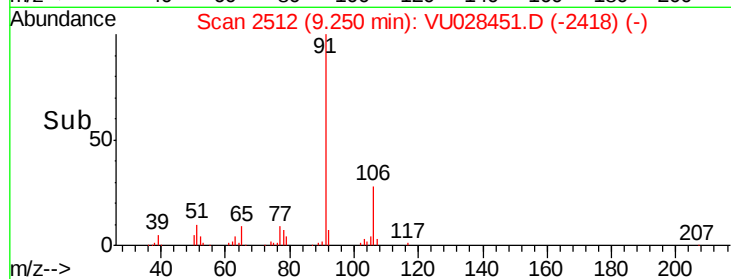
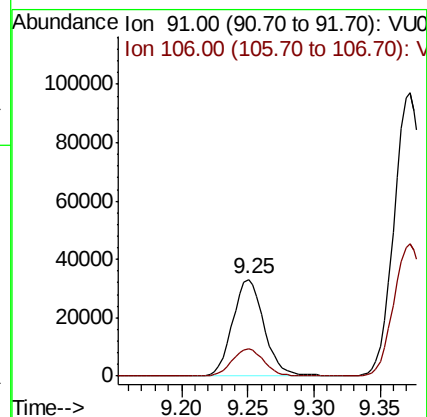
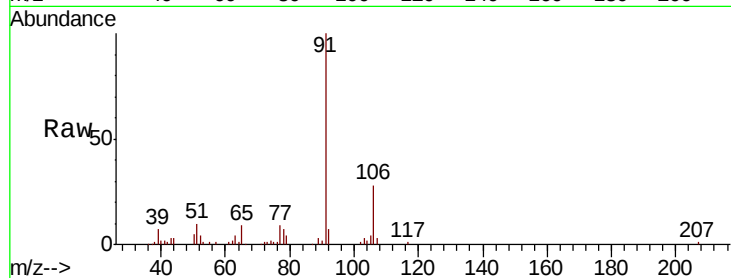




#67
Ethyl Benzene
Concen: 2.623 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

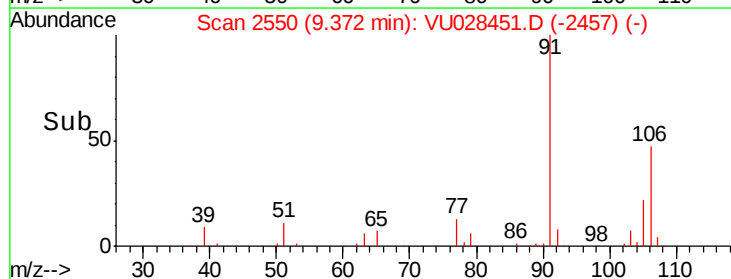
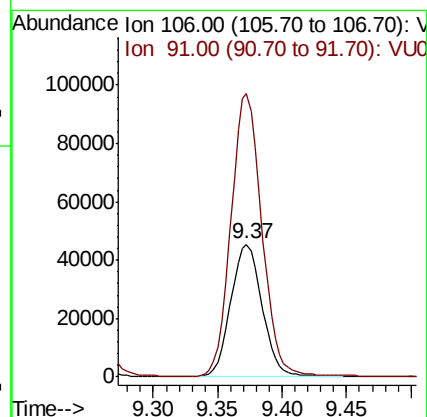
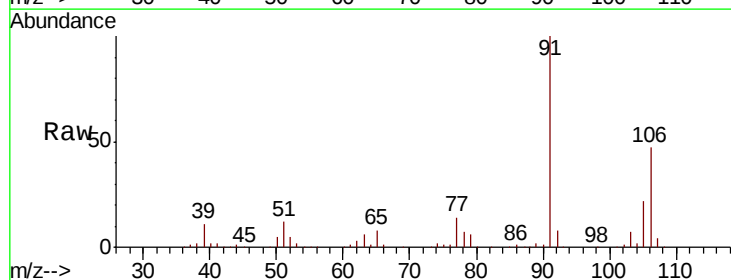
Instrument :
MSVOA_U
ClientSampleId :
OWS-2

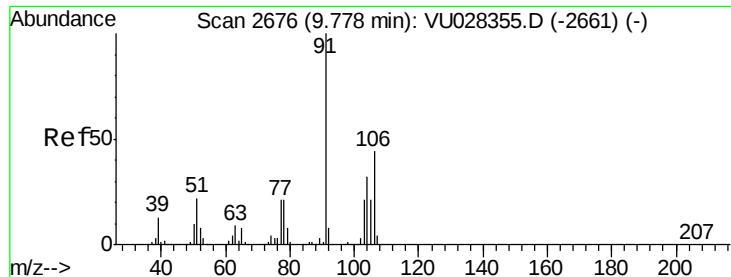
Tot Ion: 91 Resp: 54890
Ion Ratio Lower Upper
91 100
106 27.8 23.3 34.9



#68
m/p-Xylenes
Concen: 10.244 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Tgt Ion: 106 Resp: 77144
Ion Ratio Lower Upper
106 100
91 207.5 171.0 256.6

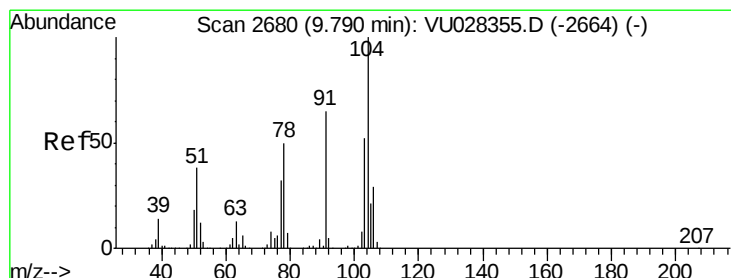
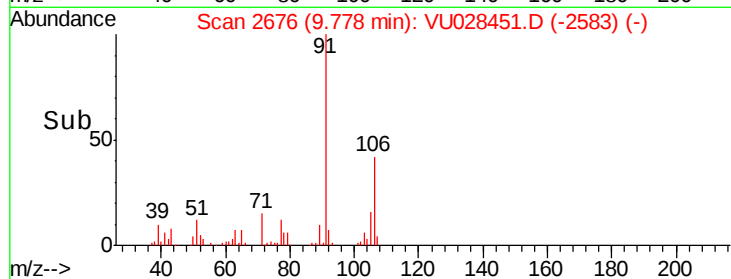
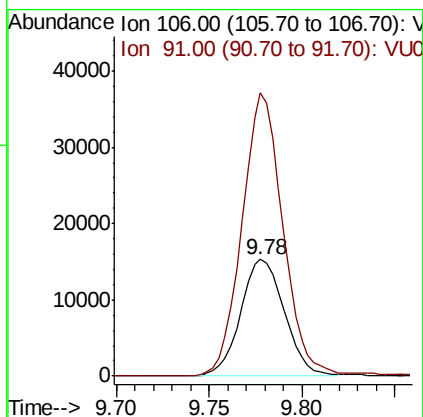
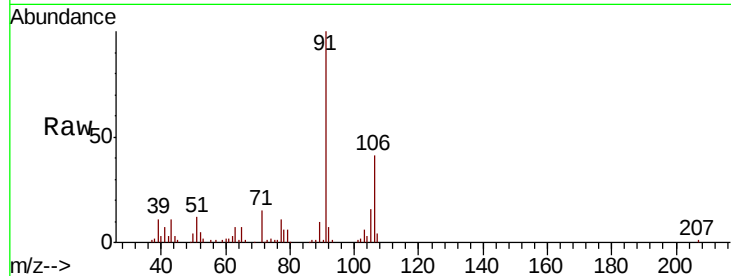




#69
o-Xylene
Concen: 3.369 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

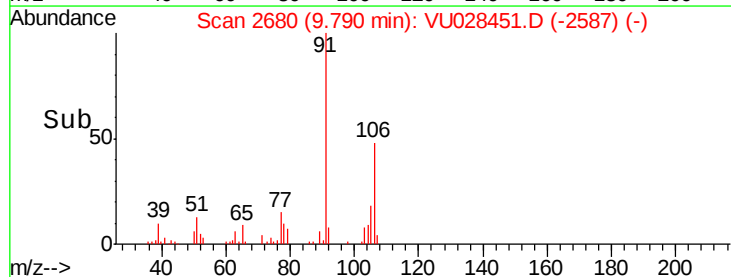
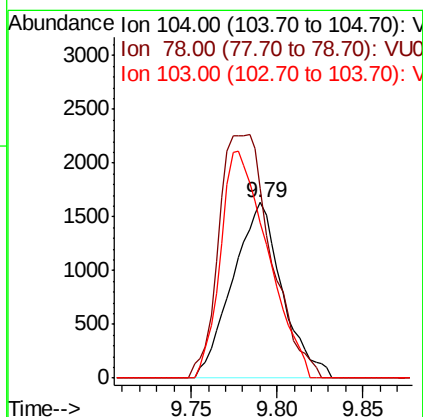
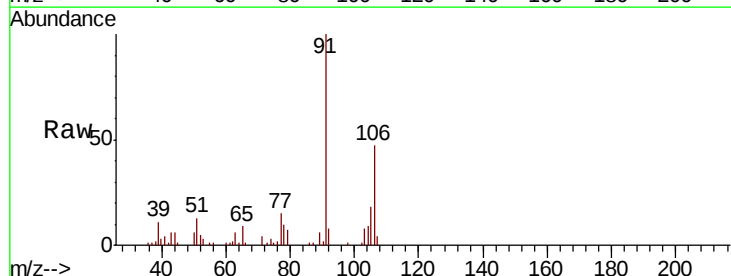
Instrument :
MSVOA_U
ClientSampleId :
OWS-2

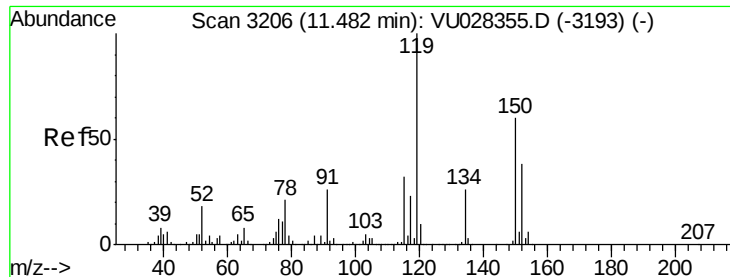
Tot Ion:106 Resp: 25219
Ion Ratio Lower Upper
106 100
91 225.5 112.7 338.0



#70
Styrene
Concen: 0.270 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Tgt Ion:104 Resp: 3261
Ion Ratio Lower Upper
104 100
78 146.7 43.3 64.9#
103 123.9 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: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

OWS-2

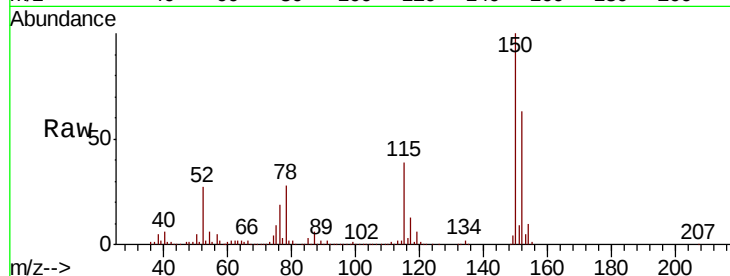
Tot Ion:152 Resp: 259409

Ion Ratio Lower Upper

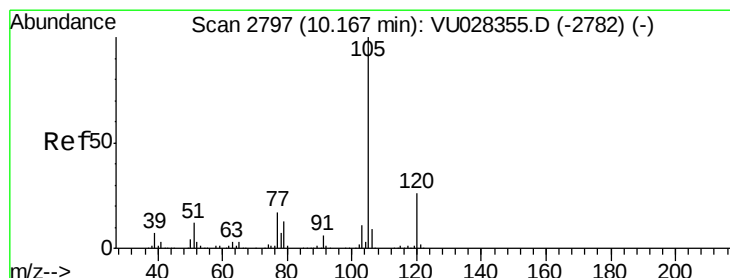
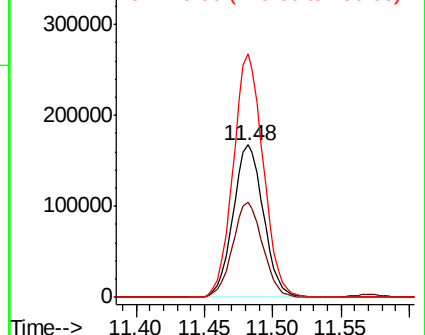
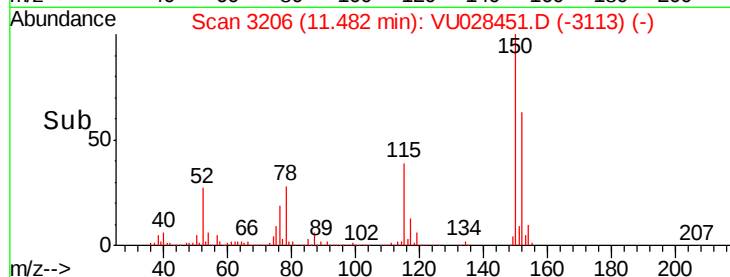
152 100

115 61.2 45.0 134.8

150 157.6 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.518 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028451.D

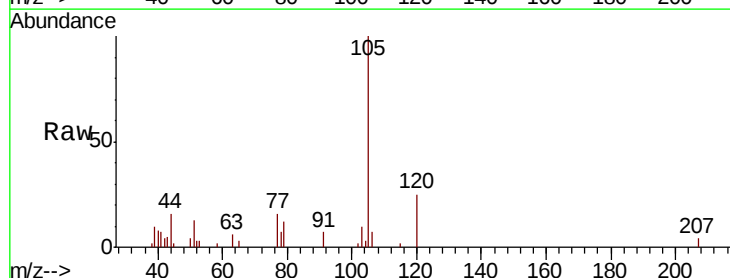
Acq: 03 Dec 2018 19:01

Tgt Ion:105 Resp: 10446

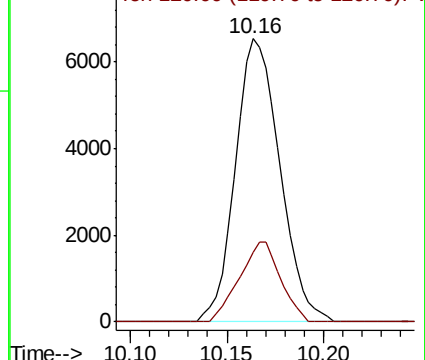
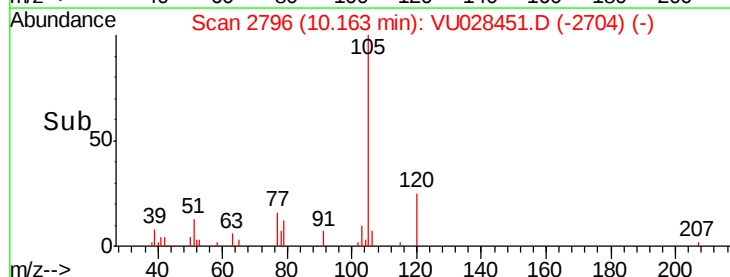
Ion Ratio Lower Upper

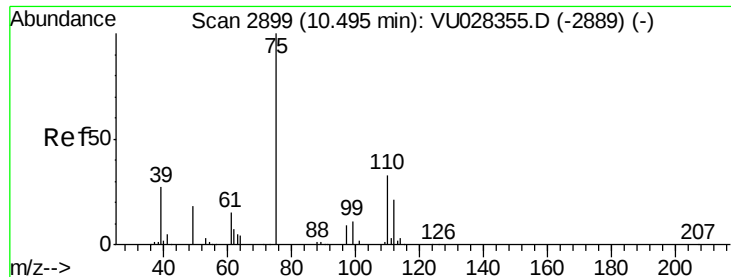
105 100

120 26.1 12.8 38.3



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





#76

1,2,3-Trichloropropane

Concen: 20.100 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampled :

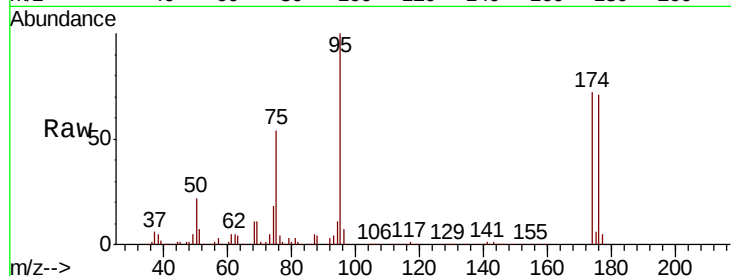
OWS-2

Tot Ion: 75 Resp: 144590

Ion Ratio Lower Upper

75 100

77 1.1 22.4 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.30

80000

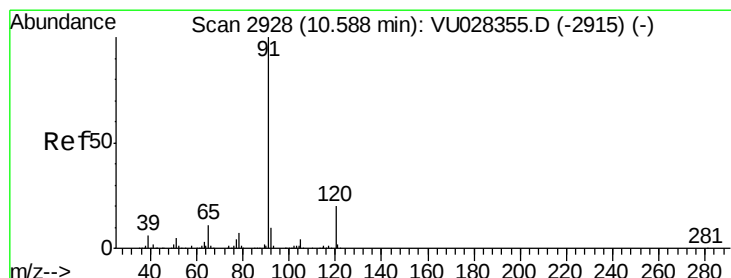
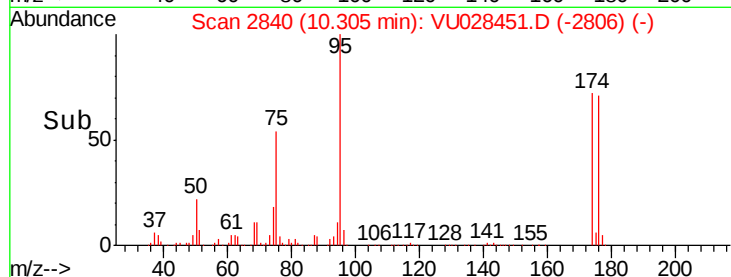
60000

40000

20000

0

Time-->



#78

n-propylbenzene

Concen: 1.299 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028451.D

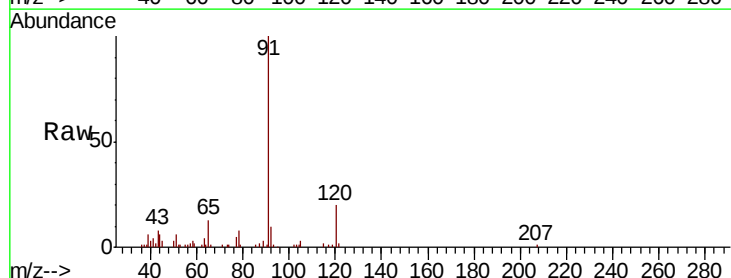
Acq: 03 Dec 2018 19:01

Tgt Ion: 91 Resp: 32328

Ion Ratio Lower Upper

91 100

120 21.0 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

10.59

20000

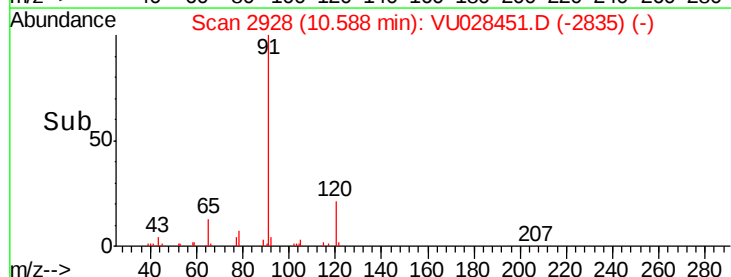
15000

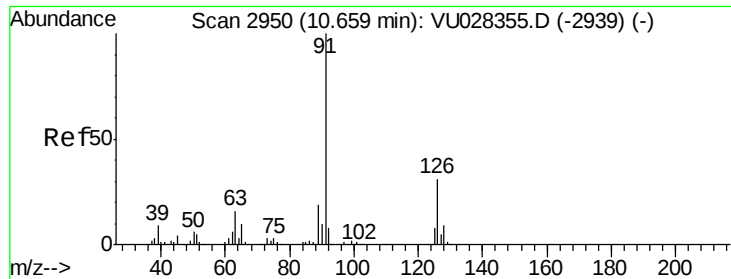
10000

5000

0

Time-->

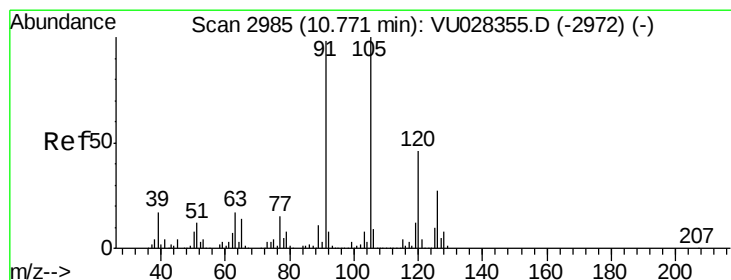
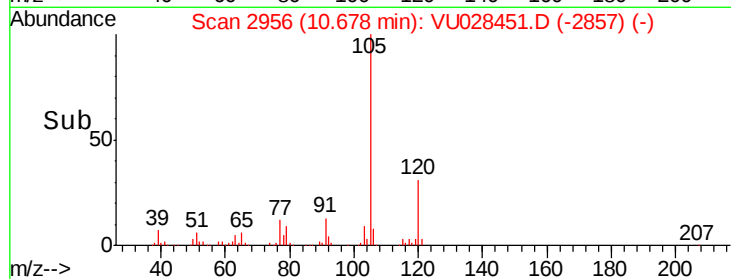
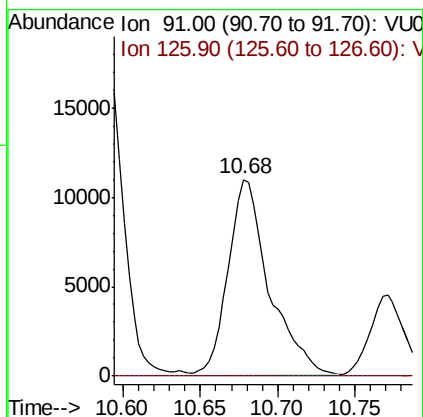
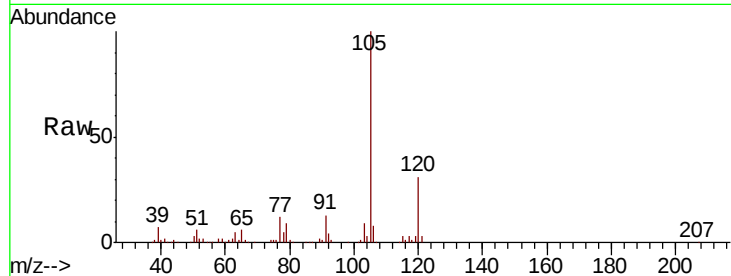




#79
 2-Chlorotoluene
 Concen: 1.370 ug/l
 RT: 10.68 min Scan# 2956
 Delta R.T. 0.02 min
 Lab File: VU028451.D
 Acq: 03 Dec 2018 19:01

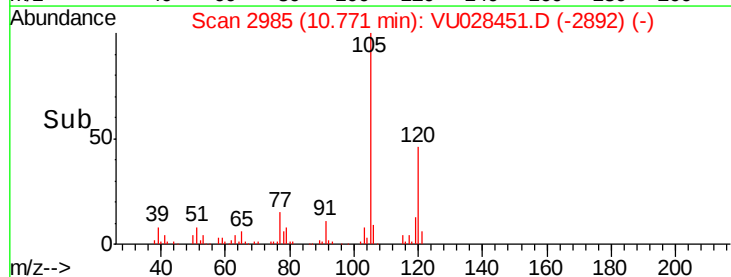
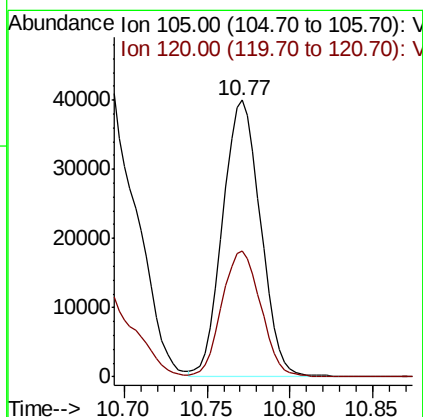
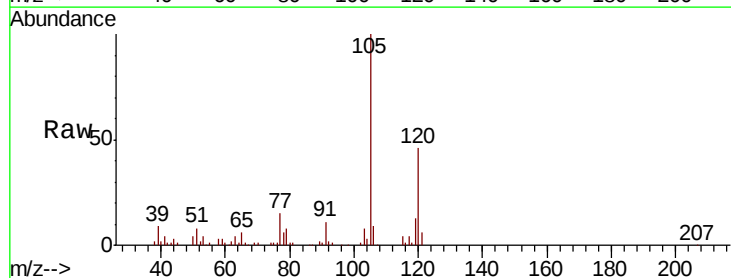
Instrument :
 MSVOA_U
 ClientSampleId :
 OWS-2

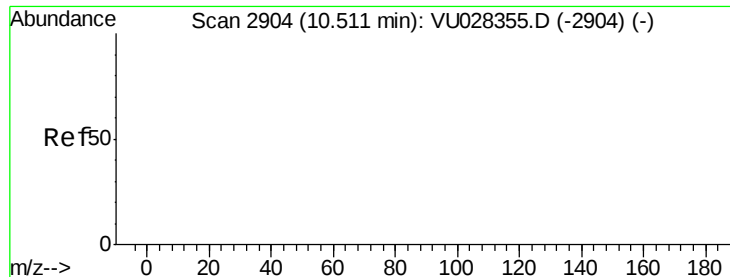
Tot Ion: 91 Resp: 20107
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.4 46.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 3.715 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028451.D
 Acq: 03 Dec 2018 19:01

Tgt Ion: 105 Resp: 63154
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.355 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

OVS-2

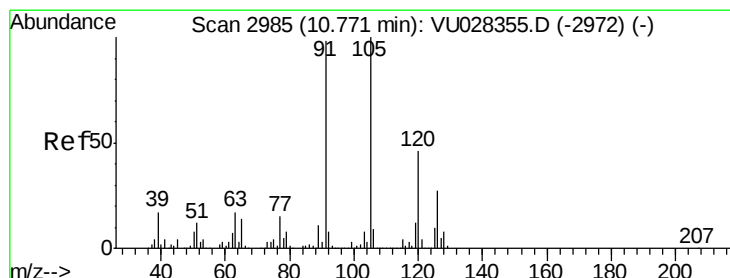
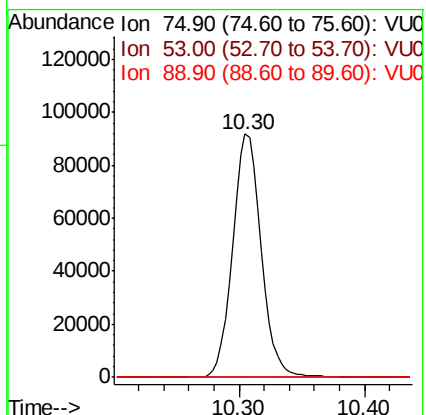
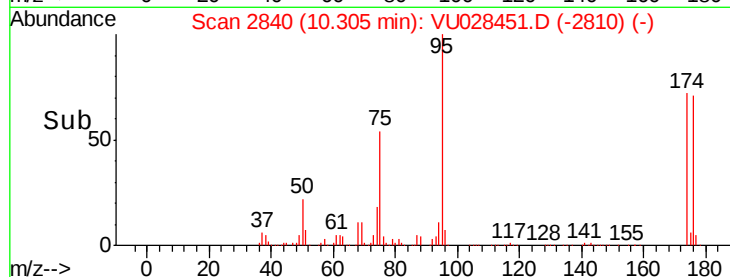
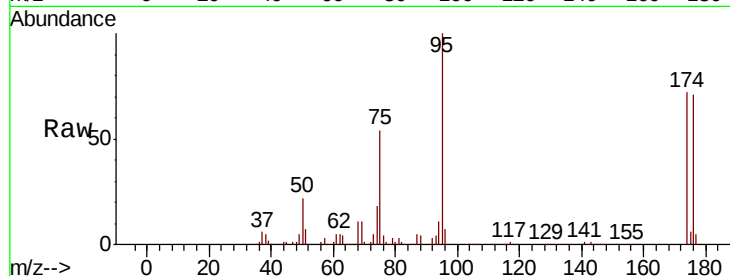
Tot Ion: 75 Resp: 144590

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 0.392 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028451.D

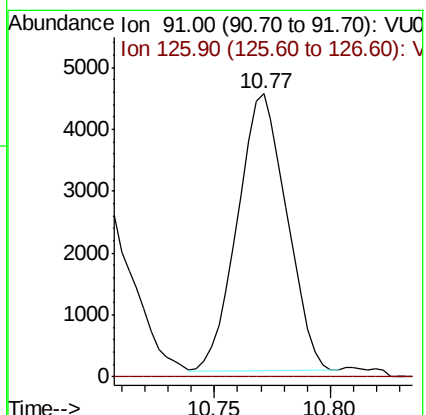
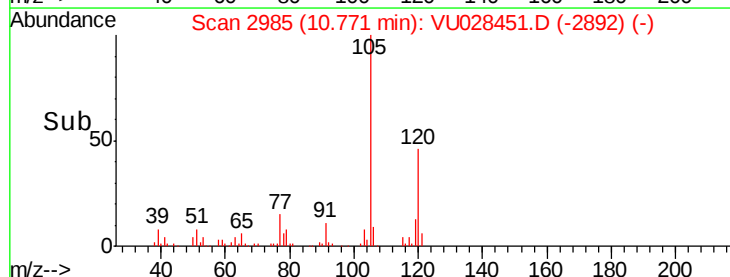
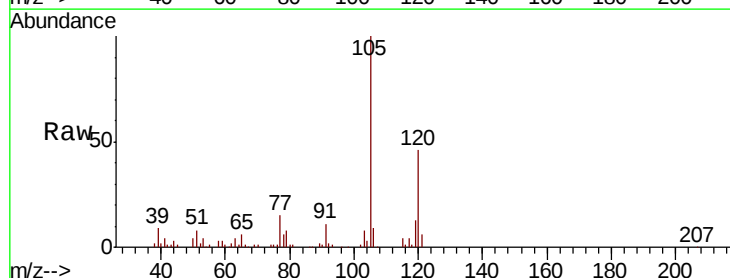
Acq: 03 Dec 2018 19:01

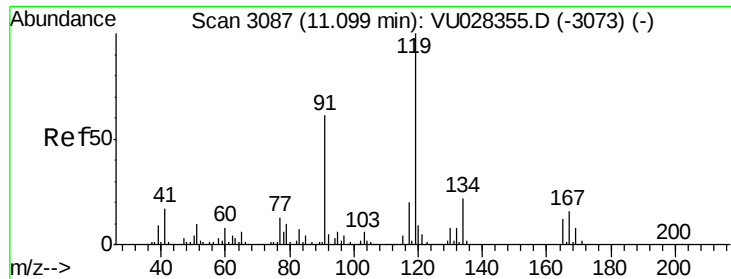
Tgt Ion: 91 Resp: 6623

Ion Ratio Lower Upper

91 100

126 0.0 13.9 41.6#

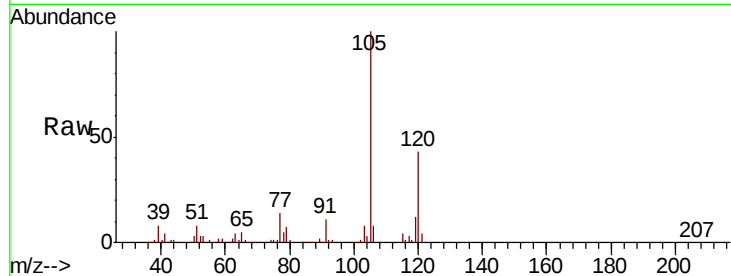




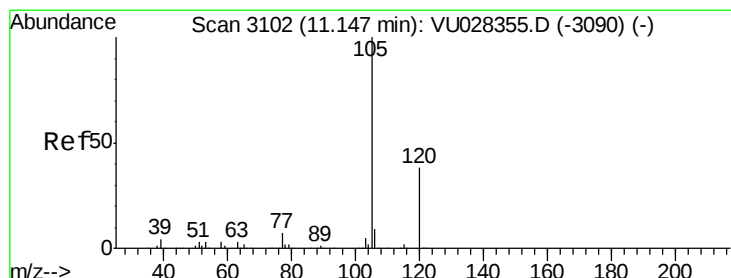
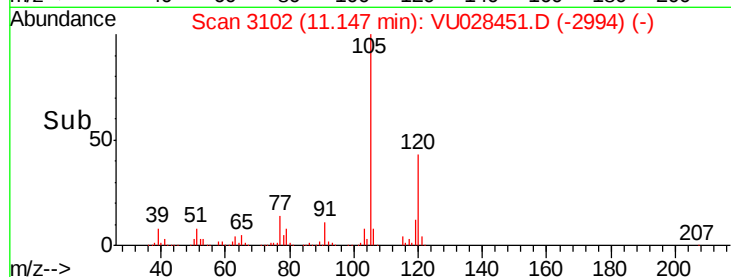
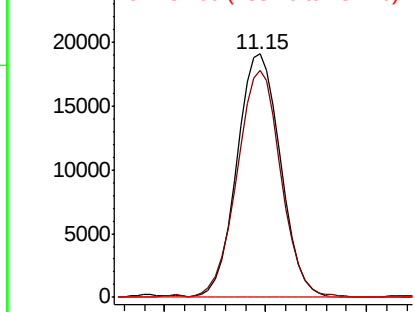
#83
 tert-Butylbenzene
 Concen: 1.824 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.05 min
 Lab File: VU028451.D
 Acq: 03 Dec 2018 19:01

Instrument :
 MSVOA_U
 ClientSampleId :
 OWS-2

Tot Ion:119 Resp: 28912
 Ion Ratio Lower Upper
 119 100
 91 93.9 30.8 92.4#
 134 0.0 11.1 33.1#

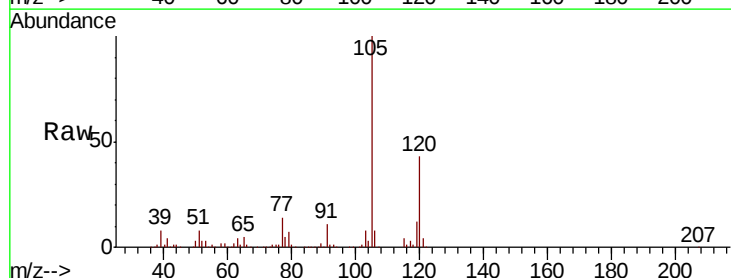


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

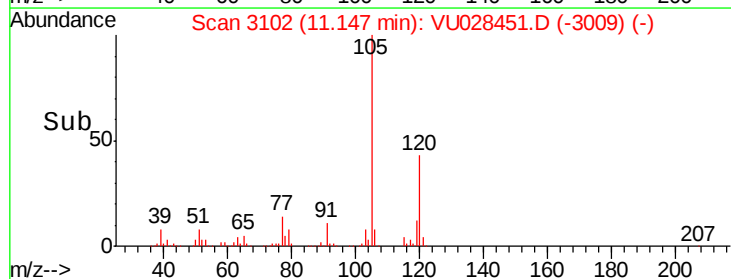
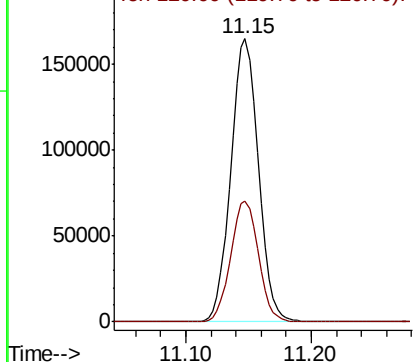


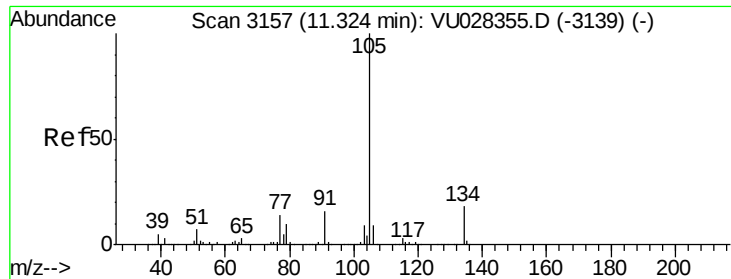
#84
 1,2,4-Trimethylbenzene
 Concen: 14.598 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028451.D
 Acq: 03 Dec 2018 19:01

Tgt Ion:105 Resp: 251398
 Ion Ratio Lower Upper
 105 100
 120 43.0 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: 0.390 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

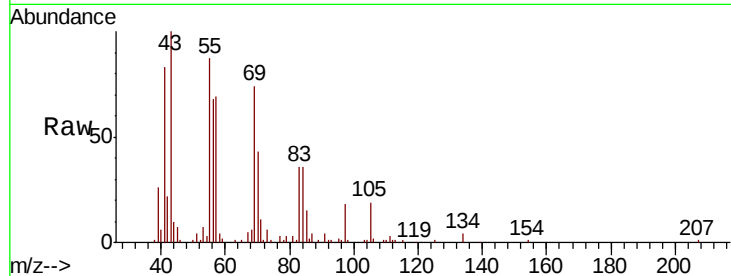
OWS-2

Tot Ion:105 Resp: 8020

Ion Ratio Lower Upper

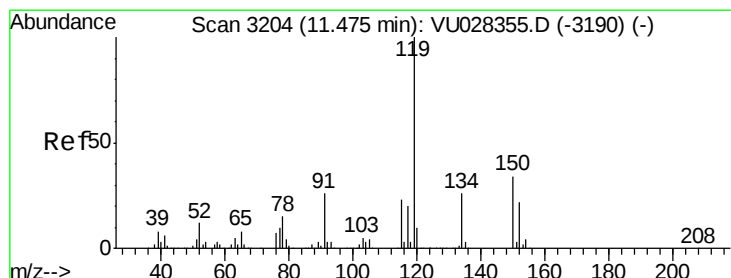
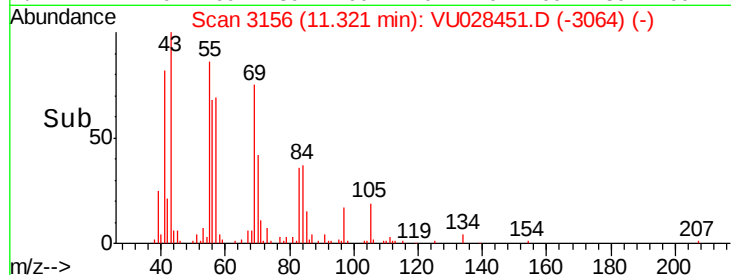
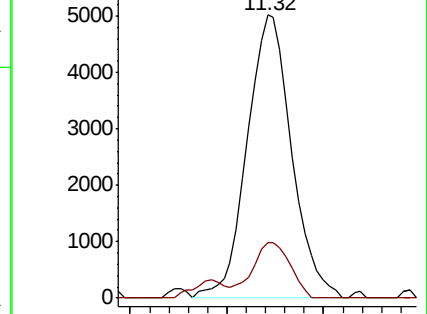
105 100

134 16.6 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: 1.880 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

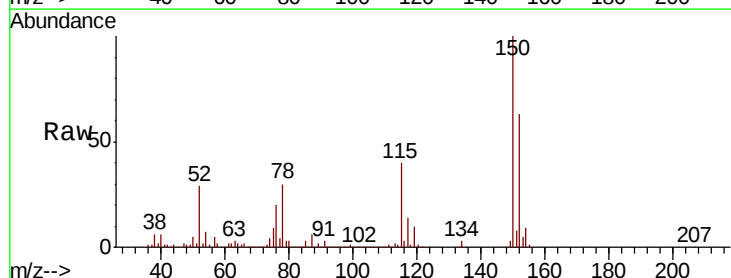
Tgt Ion:119 Resp: 31818

Ion Ratio Lower Upper

119 100

134 26.9 12.8 38.3

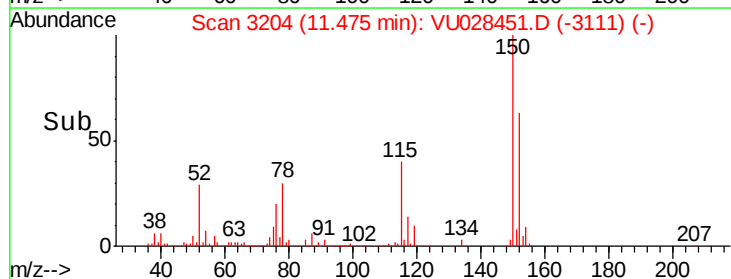
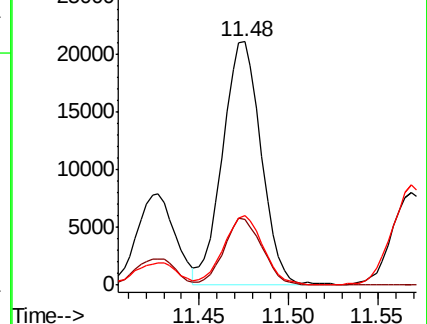
91 29.3 13.1 39.1

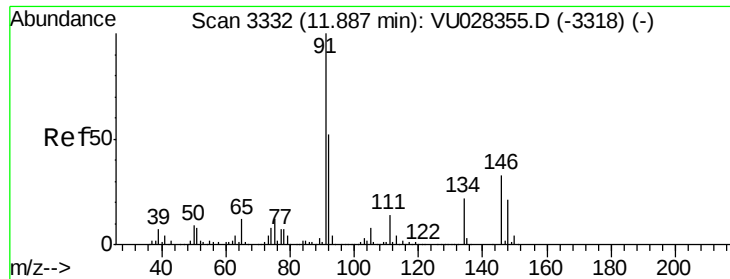


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#89

n-Butylbenzene

Concen: 0.934 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. -0.01 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

OVS-2

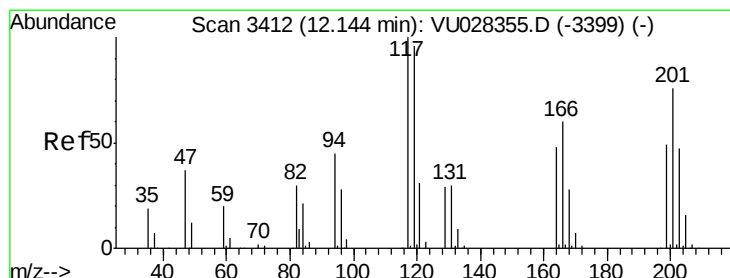
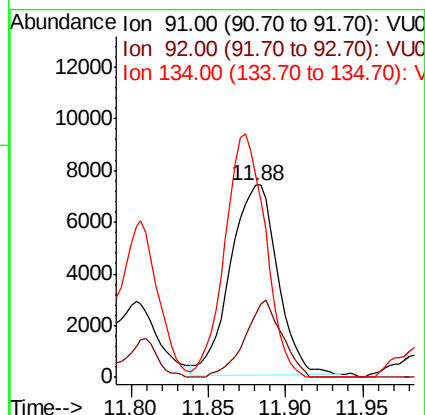
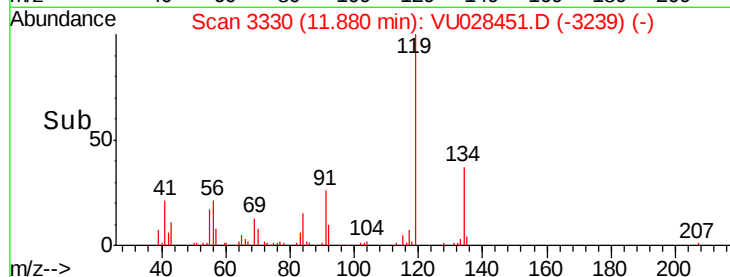
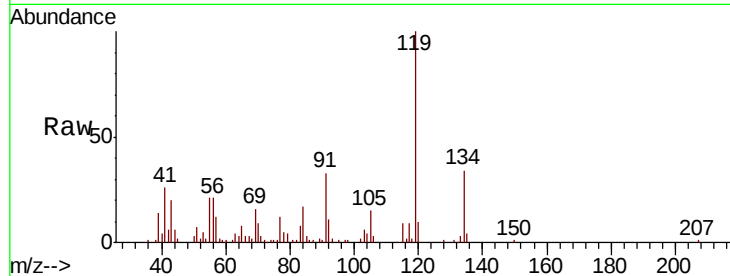
Tot Ion: 91 Resp: 15604

Ion Ratio Lower Upper

91 100

92 31.9 26.2 78.5

134 110.1 11.1 33.1#



#90

Hexachloroethane

Concen: 1.245 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028451.D

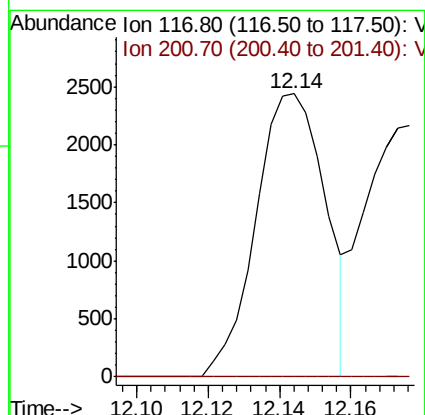
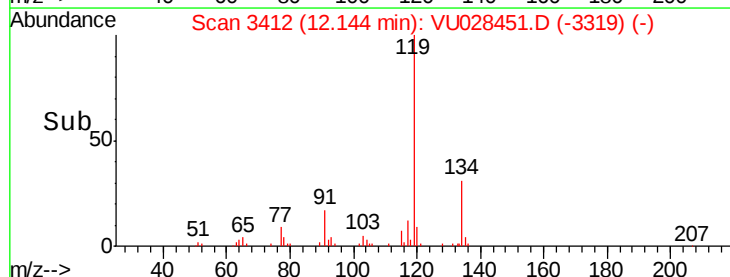
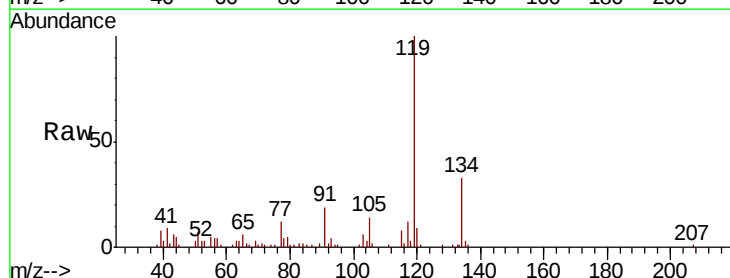
Acq: 03 Dec 2018 19:01

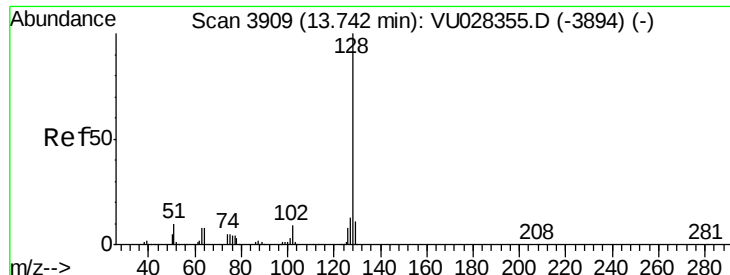
Tgt Ion: 117 Resp: 3289

Ion Ratio Lower Upper

117 100

201 0.0 37.7 113.1#





#95

Naphthalene

Concen: 10.193 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

OWS-2

Tot Ion:128 Resp: 170296

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

129 10.9 8.6 12.8

