

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003935.D
 Acq On : 14 Jul 2018 00:04
 Operator : VA/AP
 Sample : J3821-01
 Misc : 5.76G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 14 01:05:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	197051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	347581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	113749	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	132711	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	7.88	113	70846	29.12	ug/l	0.00
Spiked Amount			Recovery	=	58.24%	
50) Toluene-d8	10.33	98	396977	42.66	ug/l	0.00
Spiked Amount			Recovery	=	85.32%	
62) 4-Bromofluorobenzene	12.62	95	124454	36.96	ug/l	0.00
Spiked Amount			Recovery	=	73.92%	

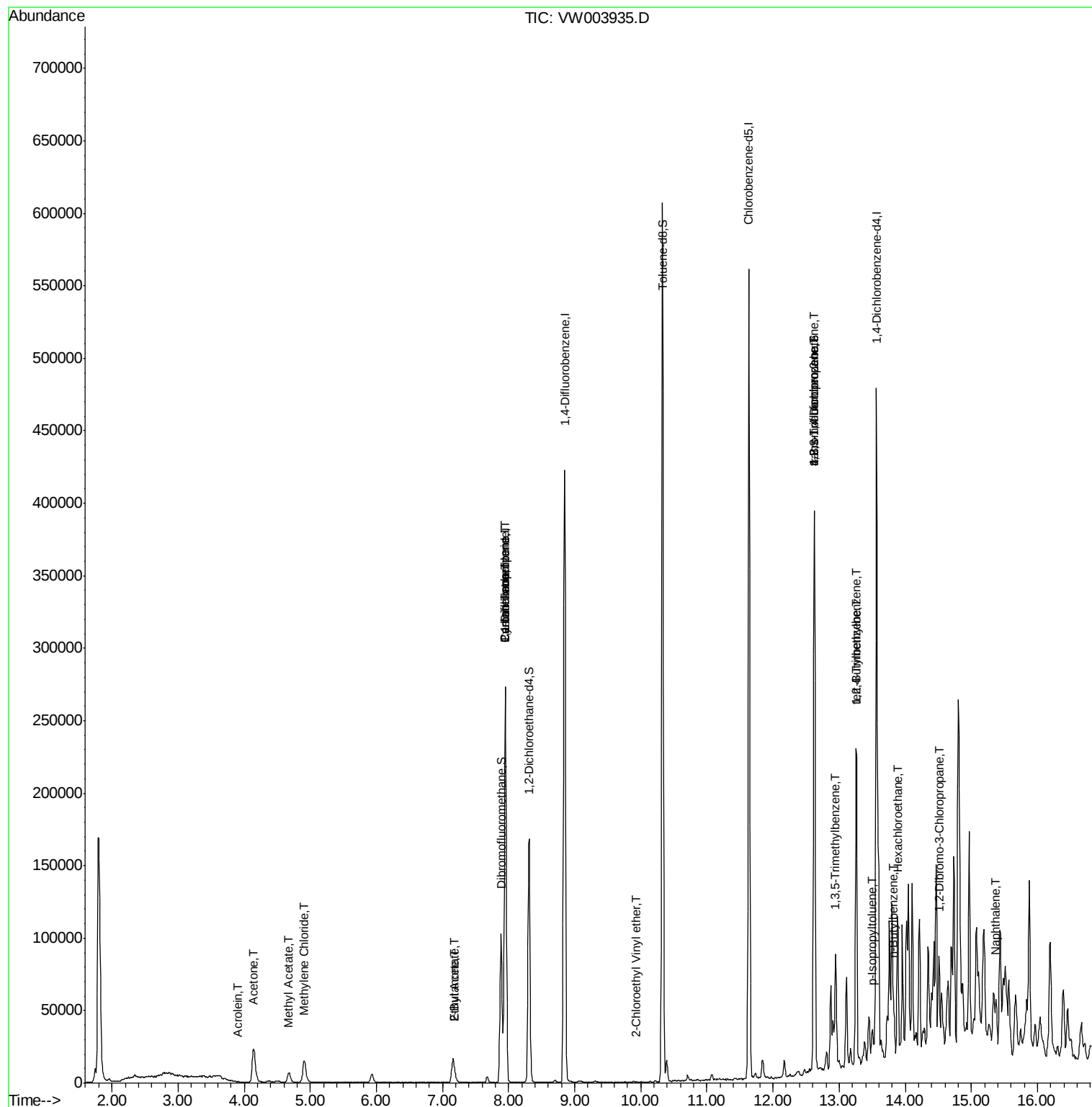
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.90	56	38	4.903	ug/l #	80
16) Acetone	4.14	43	48947	109.481	ug/l	99
18) Methyl Acetate	4.67	43	14227	11.287	ug/l	98
20) Methylene Chloride	4.92	84	12522	1.494	ug/l	96
25) 2-Butanone	7.18	43	6205	8.861	ug/l #	87
31) Cyclohexane	7.95	56	5195	1.382	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	16589	4.498	ug/l #	50
37) Ethyl Acetate	7.18	43	6205	3.458	ug/l #	70
38) Carbon Tetrachloride	7.95	117	19830	5.655	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.92	63	23	13.185	ug/l #	49
76) 1,2,3-Trichloropropane	12.63	75	65392	58.543	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	27917	4.205	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.63	75	65392	143.209	ug/l #	7
83) tert-Butylbenzene	13.26	119	15576	2.845	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.26	105	118414	17.168	ug/l	98
86) p-Isopropyltoluene	13.51	119	7639	1.067	ug/l	90
89) n-Butylbenzene	13.83	91	14993	2.130	ug/l #	80
90) Hexachloroethane	13.89	117	2085	1.512	ug/l	86
92) 1,2-Dibromo-3-Chloropropan	14.51	75	410	1.517	ug/l #	27
95) Naphthalene	15.38	128	18475	4.379	ug/l #	95

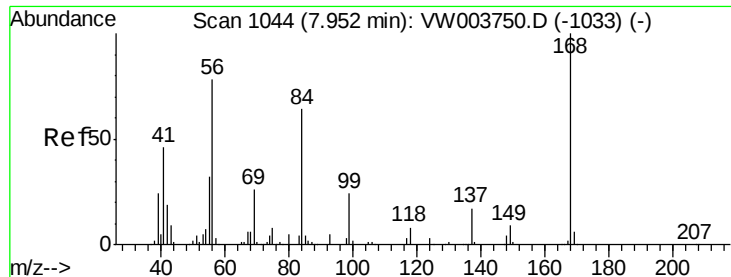
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003935.D

Acq: 14 Jul 2018 00:04

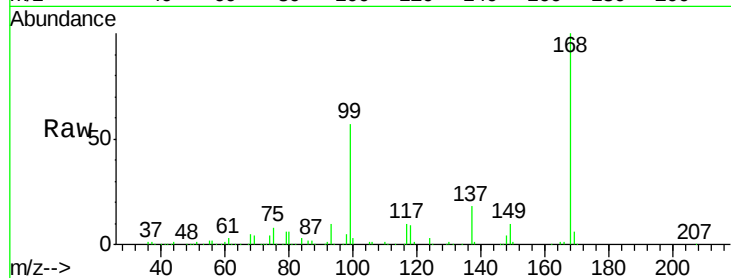
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 197051

Ion Ratio Lower Upper

168 100

99 56.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

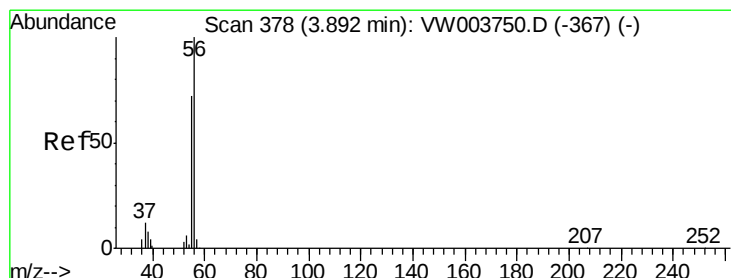
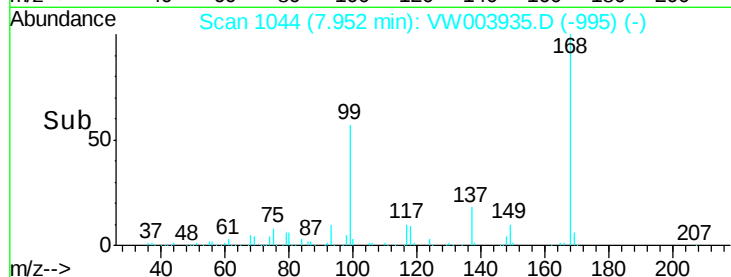
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 4.903 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW003935.D

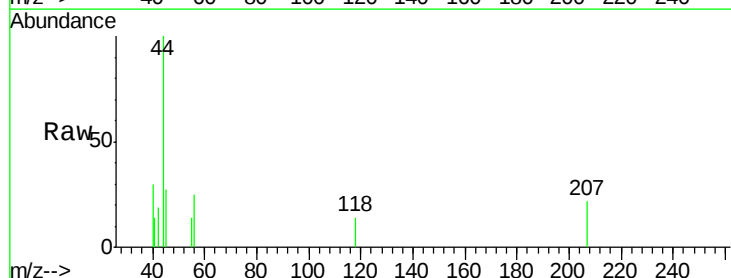
Acq: 14 Jul 2018 00:04

Tgt Ion: 56 Resp: 38

Ion Ratio Lower Upper

56 100

55 55.3 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

120

100

80

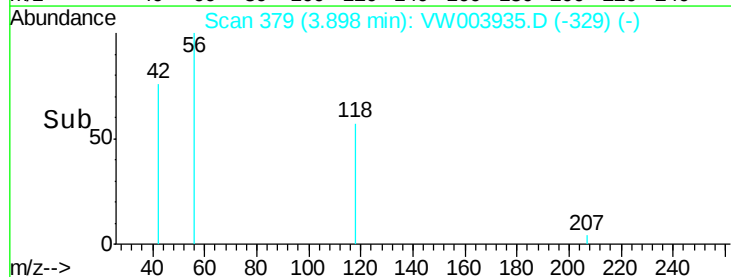
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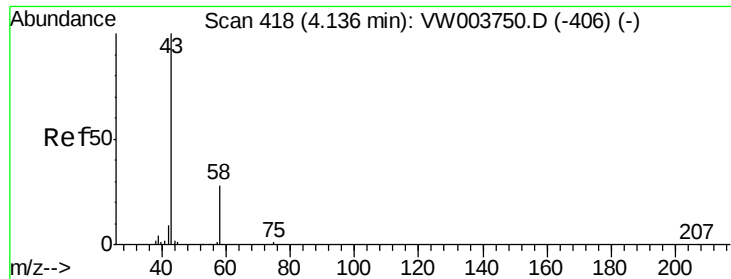
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20

0

Time-->

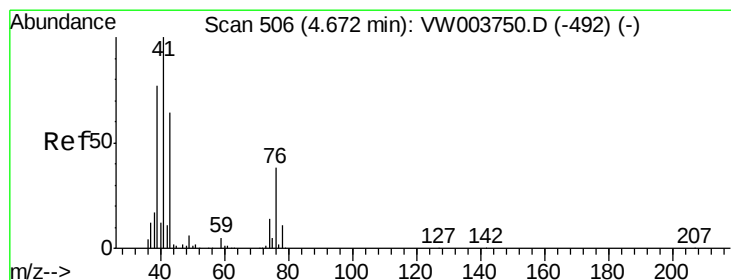
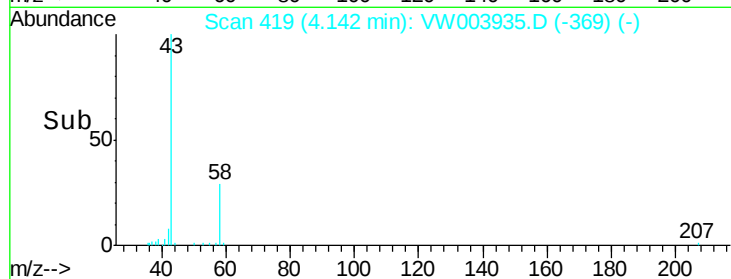
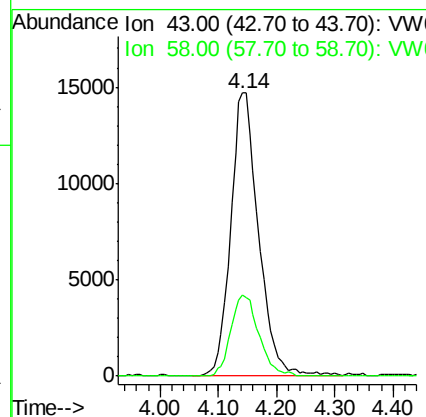
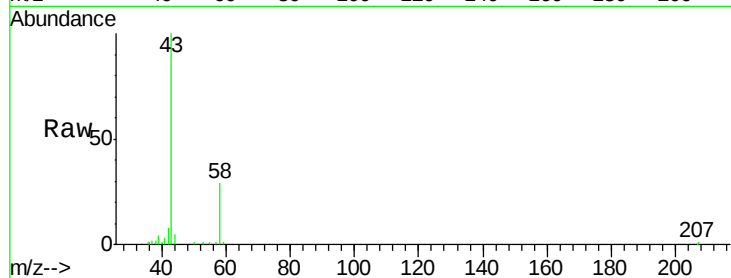




#16
Acetone
Concen: 109.481 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.01 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

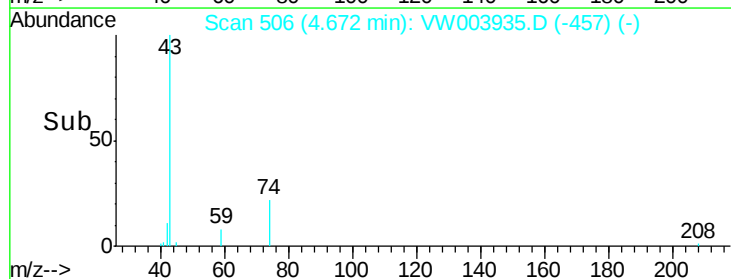
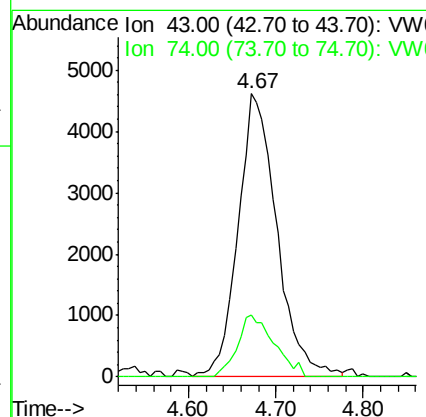
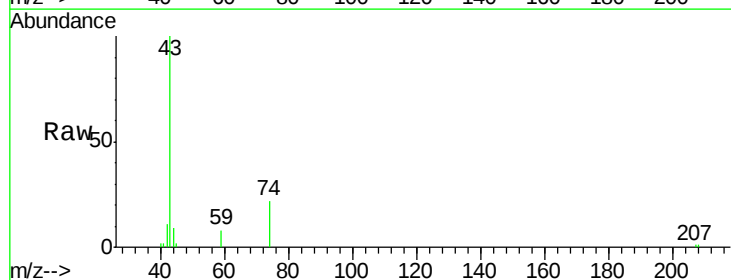
Instrument :
MSVOA_W
ClientSampleId :

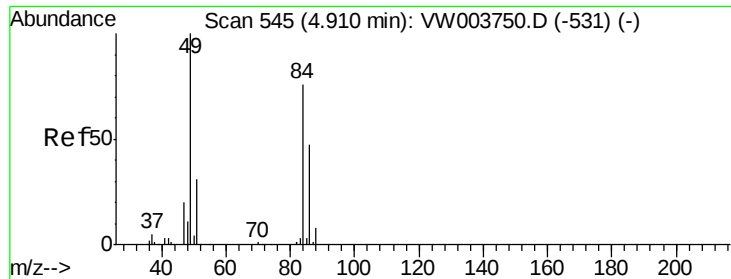
Tot Ion: 43 Resp: 48947
Ion Ratio Lower Upper
43 100
58 28.7 22.6 34.0



#18
Methyl Acetate
Concen: 11.287 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.00 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

Tgt Ion: 43 Resp: 14227
Ion Ratio Lower Upper
43 100
74 20.6 17.3 25.9

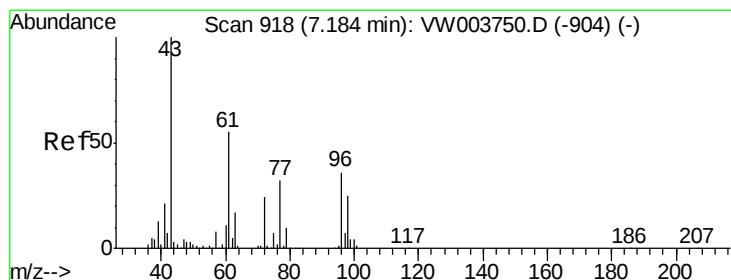
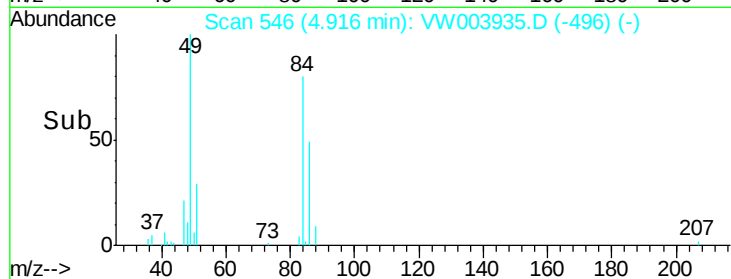
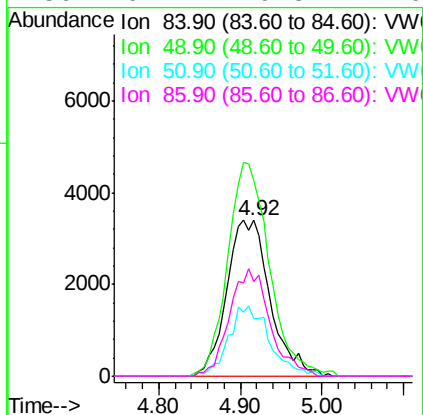
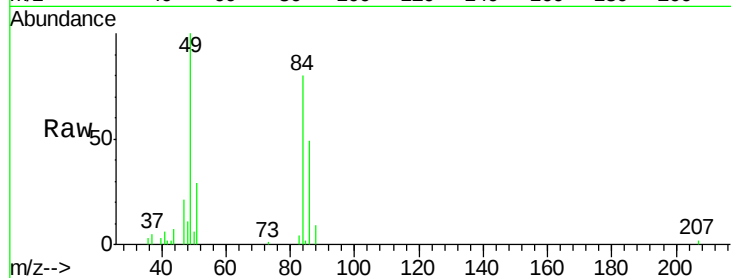




#20
Methvlene Chloride
Concen: 1.494 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

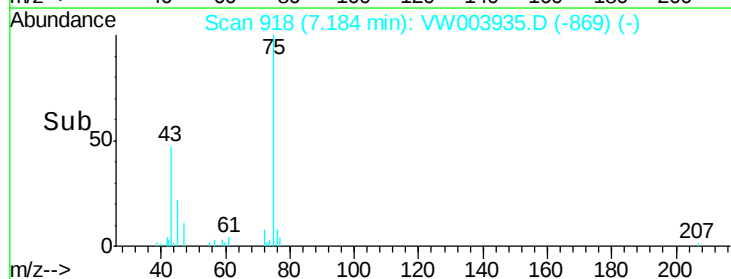
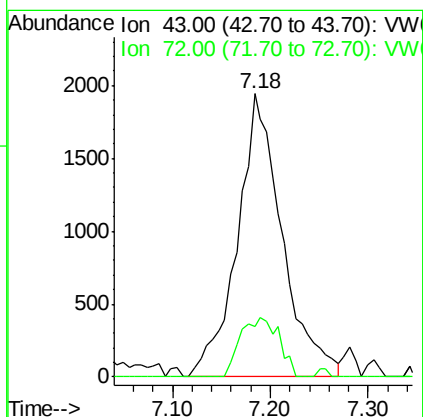
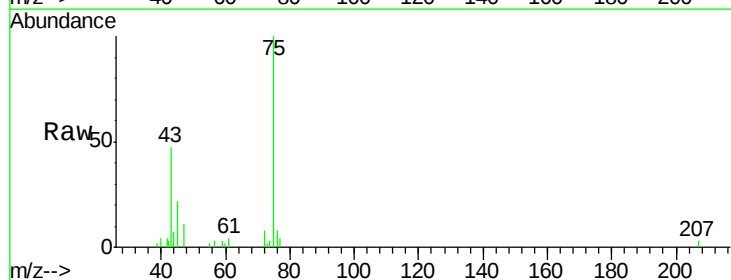
Instrument :
MSVOA_W
ClientSampleId :

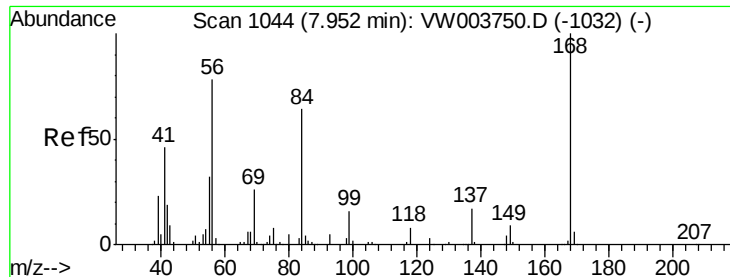
Tot Ion: 84 Resp: 12522
Ion Ratio Lower Upper
84 100
49 125.3 105.1 157.7
51 36.6 32.5 48.7
86 61.1 49.8 74.6



#25
2-Butanone
Concen: 8.861 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.00 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

Tgt Ion: 43 Resp: 6205
Ion Ratio Lower Upper
43 100
72 17.8 19.4 29.2#

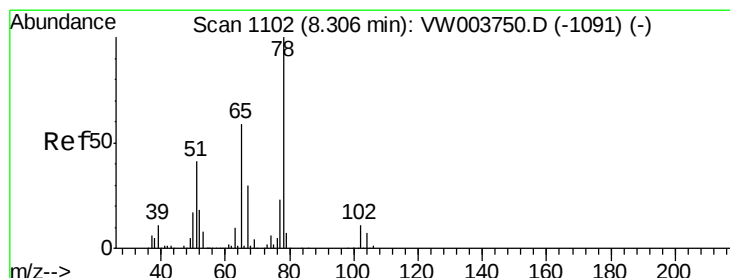
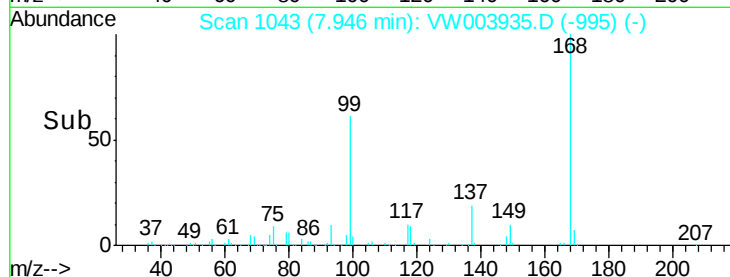
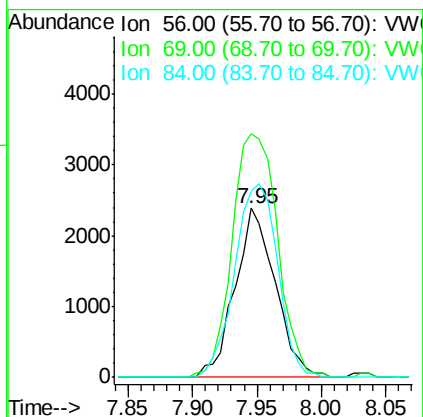
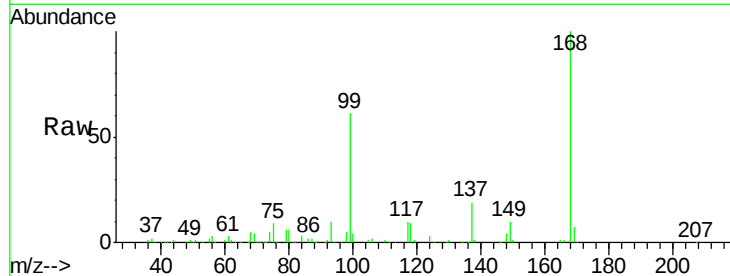




#31
Cyclohexane
Concen: 1.382 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

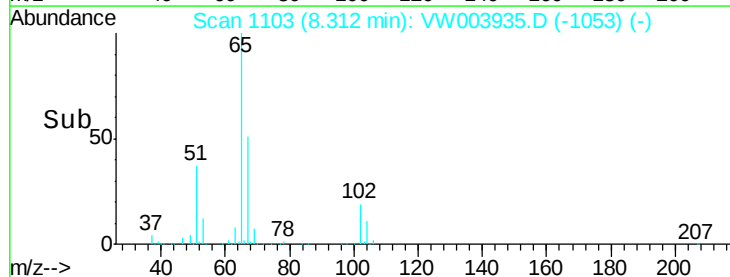
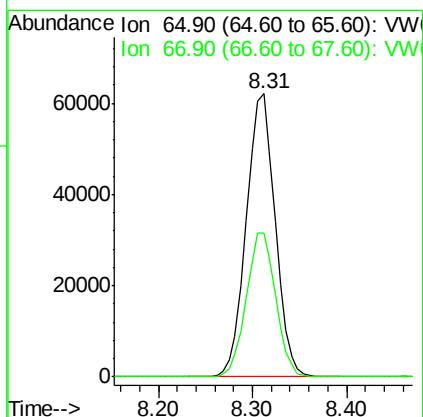
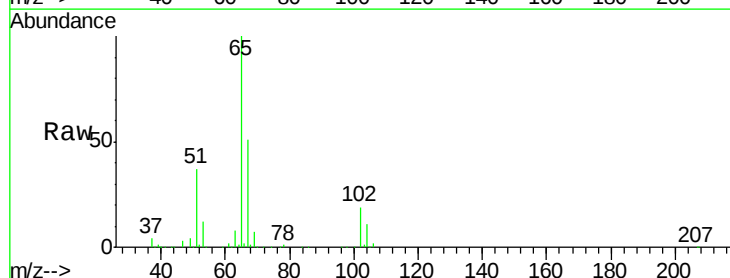
Instrument :
MSVOA_W
ClientSampled :

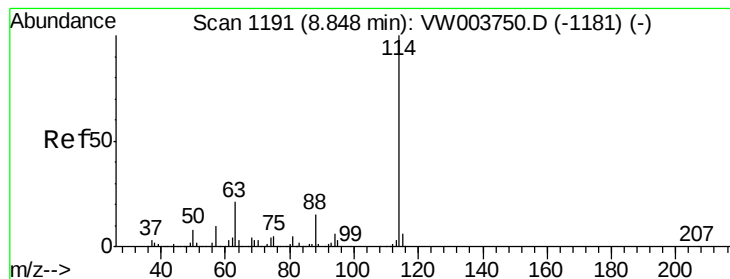
Tot Ion: 56 Resp: 5195
Ion Ratio Lower Upper
56 100
69 144.0 26.2 39.4#
84 109.8 65.5 98.3#



#33
1,2-Dichloroethane-d4
Concen: 51.501 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

Tgt Ion: 65 Resp: 132711
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003935.D

Acq: 14 Jul 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

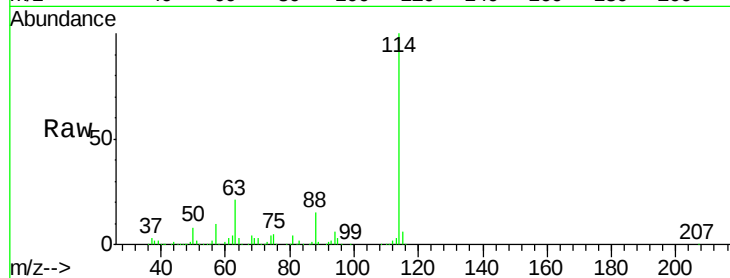
Tot Ion:114 Resp: 347581

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.8

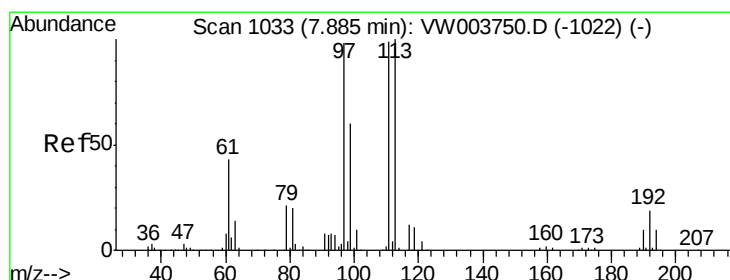
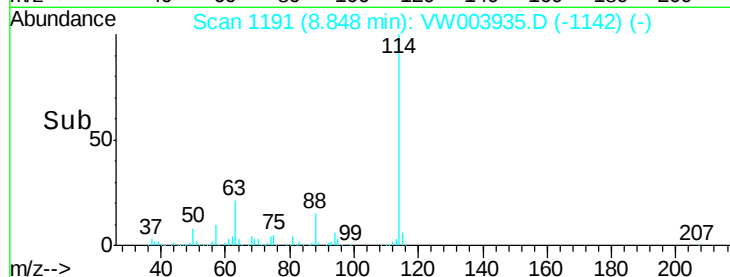
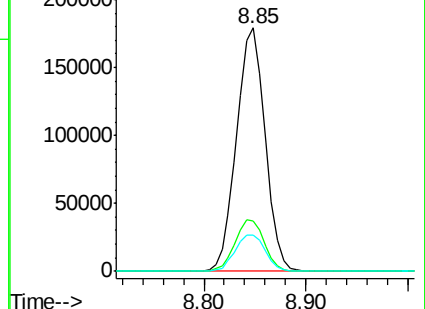
88 15.1 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 29.123 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003935.D

Acq: 14 Jul 2018 00:04

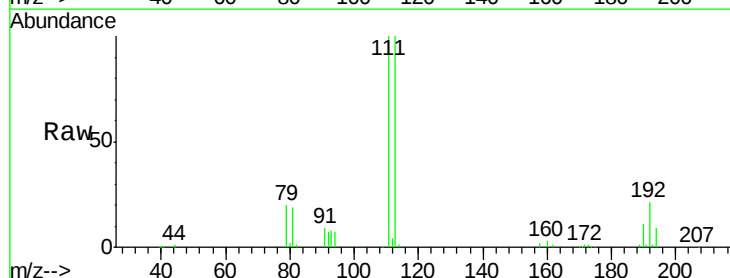
Tgt Ion:113 Resp: 70846

Ion Ratio Lower Upper

113 100

111 104.1 81.7 122.5

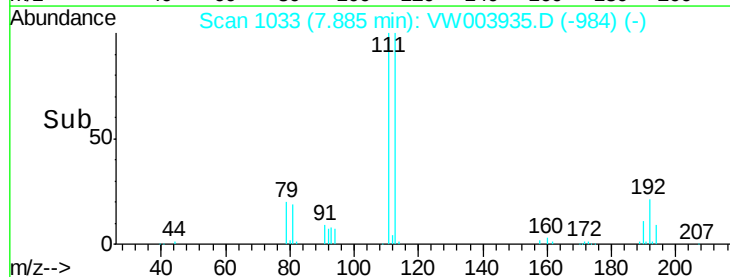
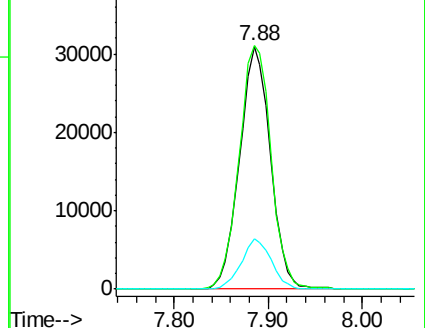
192 20.2 15.8 23.8

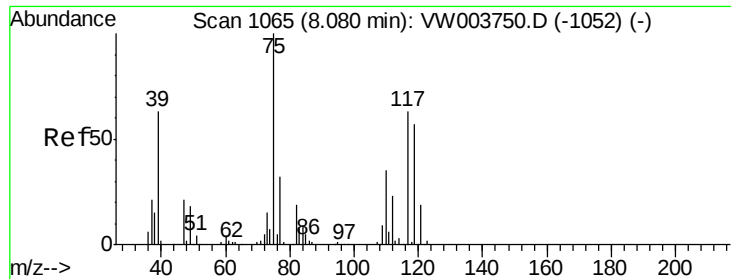


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

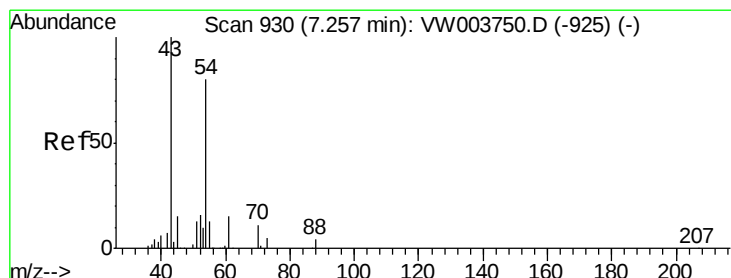
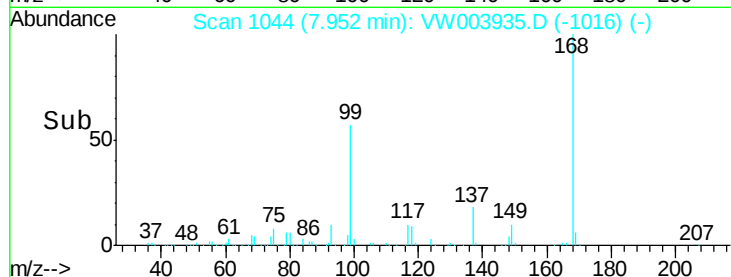
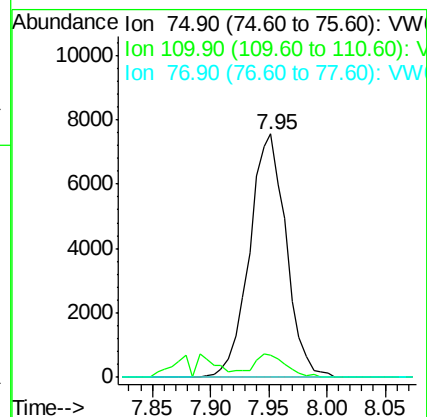
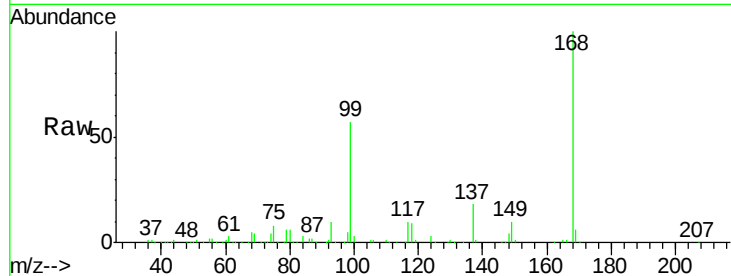




#36
 1,1-Dichloropropene
 Concen: 4.498 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003935.D
 Acq: 14 Jul 2018 00:04

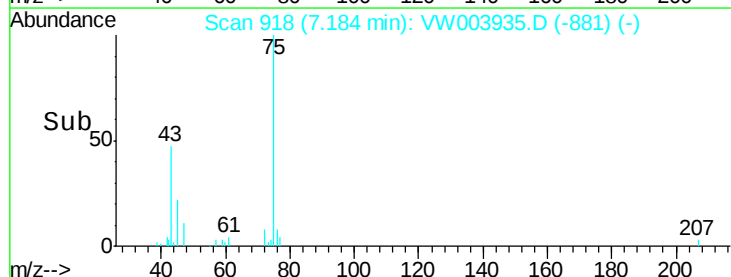
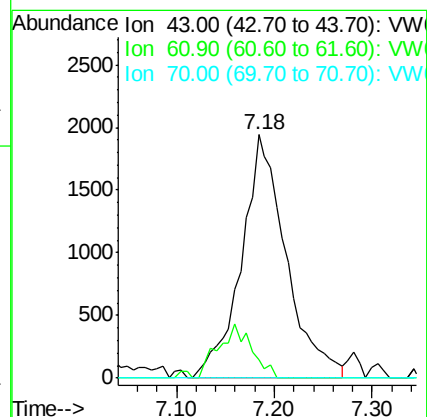
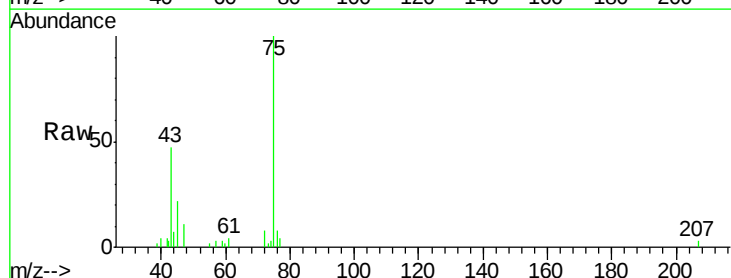
Instrument :
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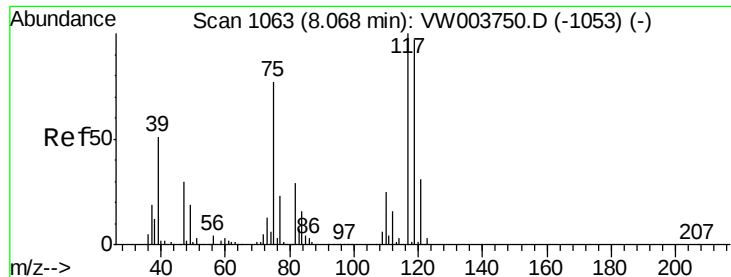
Tot Ion: 75 Resp: 16589
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.6#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 3.458 ug/l
 RT: 7.18 min Scan# 918
 Delta R.T. -0.07 min
 Lab File: VW003935.D
 Acq: 14 Jul 2018 00:04

Tgt Ion: 43 Resp: 6205
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.0 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 5.655 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003935.D

Acq: 14 Jul 2018 00:04

Instrument :

MSVOA_W

ClientSampled :

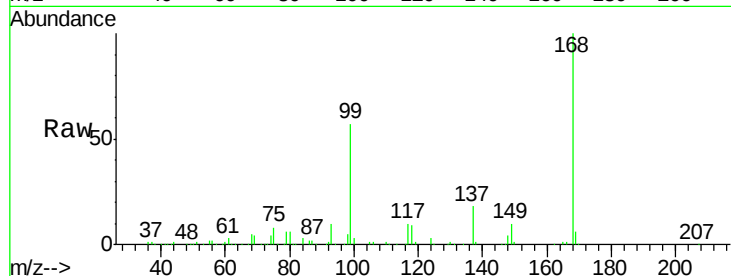
Tot Ion:117 Resp: 19830

Ion Ratio Lower Upper

117 100

119 5.4 77.4 116.2#

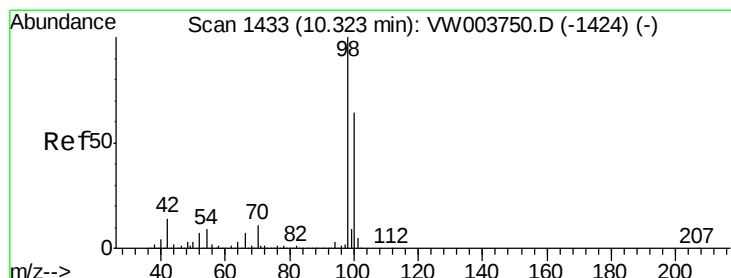
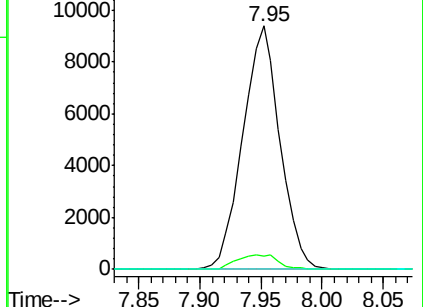
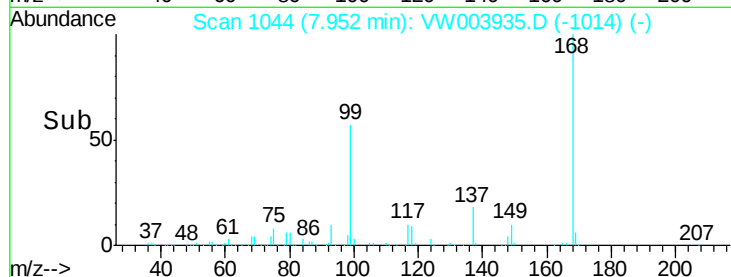
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 42.660 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003935.D

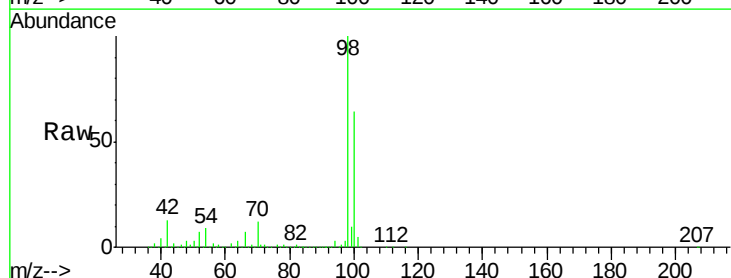
Acq: 14 Jul 2018 00:04

Tgt Ion: 98 Resp: 396977

Ion Ratio Lower Upper

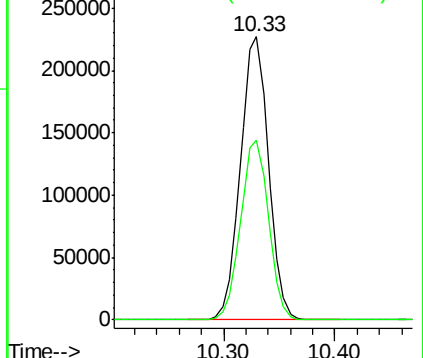
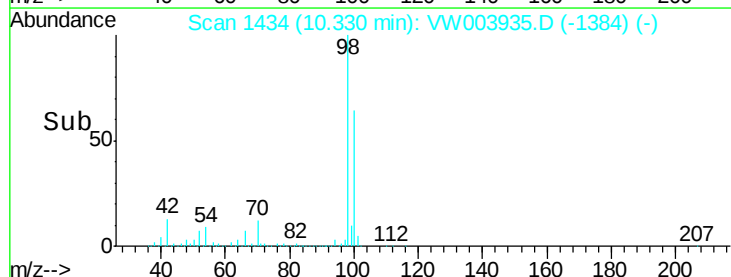
98 100

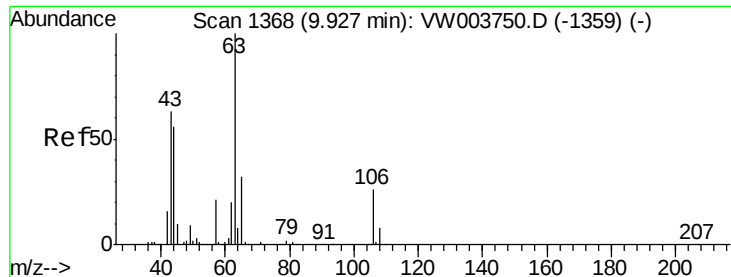
100 63.4 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

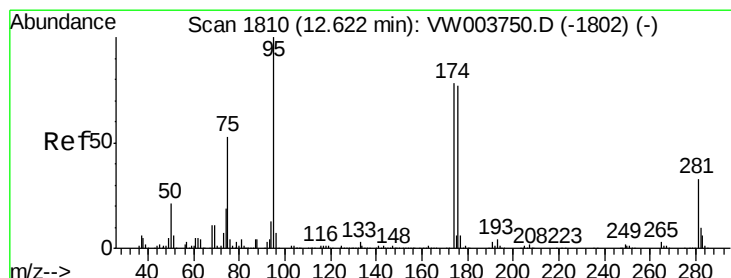
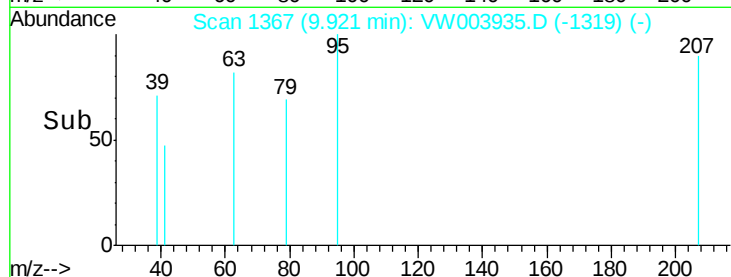
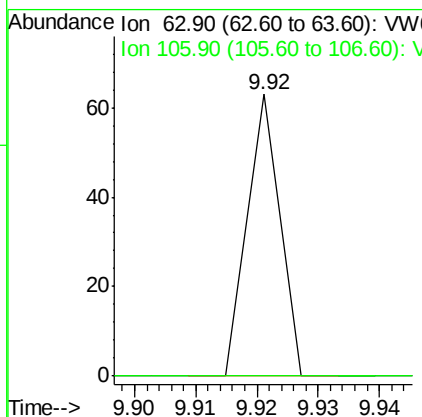
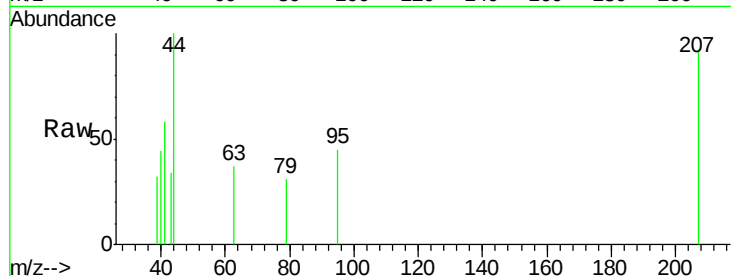




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.185 ug/l
 RT: 9.92 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VW003935.D
 Acq: 14 Jul 2018 00:04

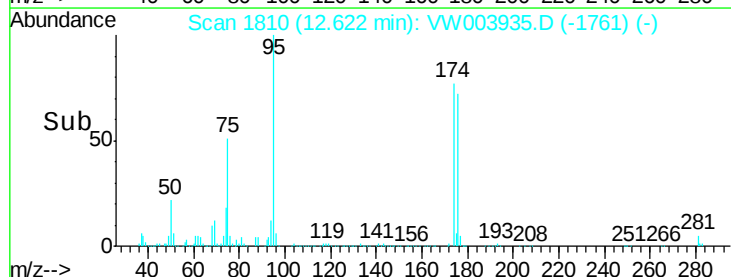
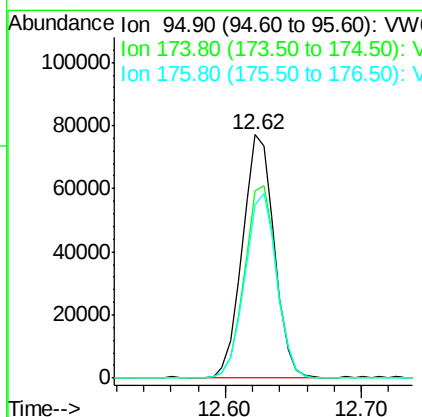
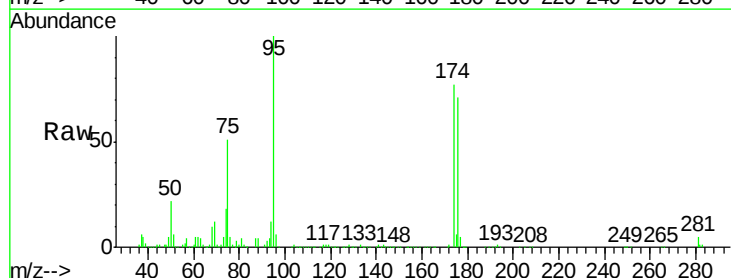
Instrument :
 MSVOA_W
 ClientSampleId :

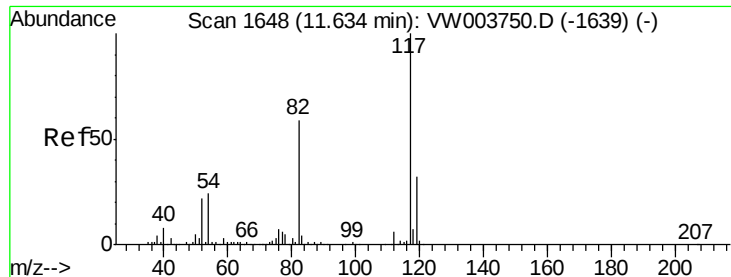
Tot Ion: 63 Resp: 23
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.9 31.3#



#62
 4-Bromofluorobenzene
 Concen: 36.964 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003935.D
 Acq: 14 Jul 2018 00:04

Tgt Ion: 95 Resp: 124454
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 163.4
 176 77.0 0.0 156.8

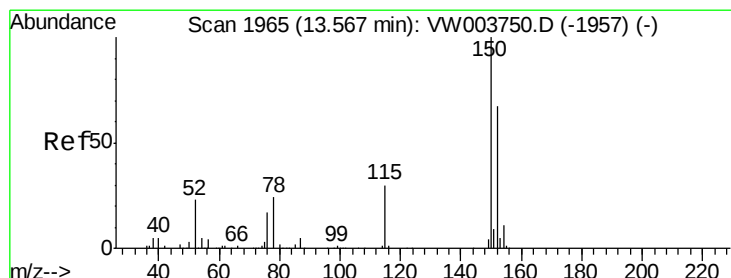
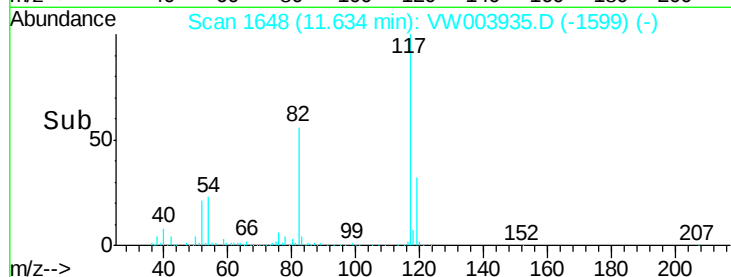
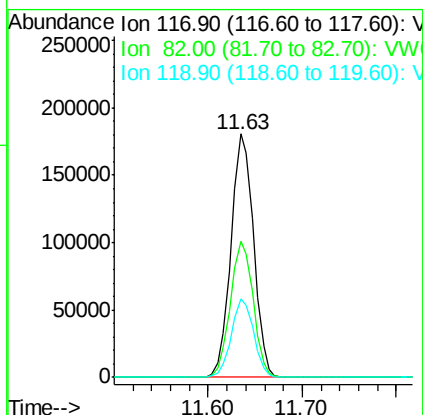
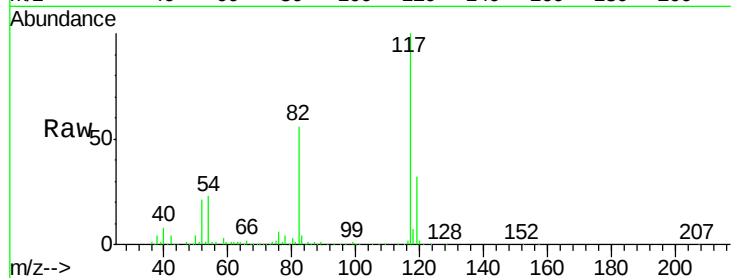




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

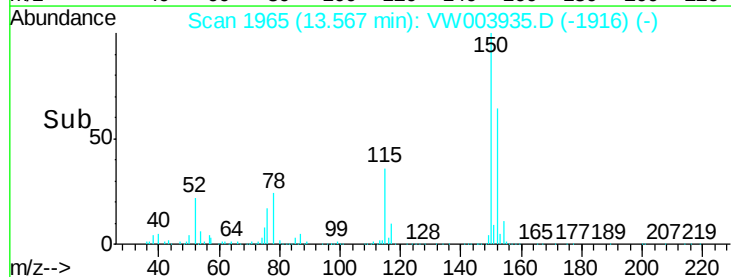
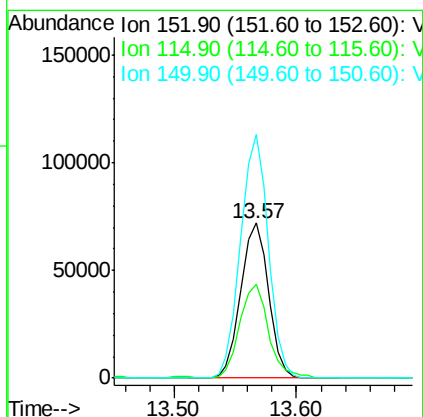
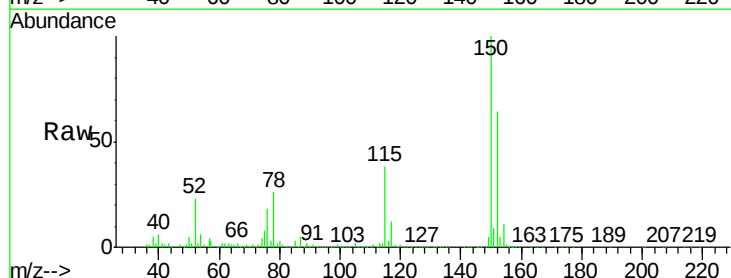
Instrument :
MSVOA_W
ClientSampleId :

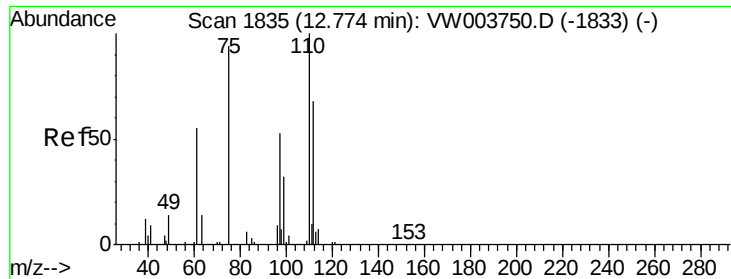
Tot Ion:117 Resp: 300373
Ion Ratio Lower Upper
117 100
82 55.7 46.9 70.3
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

Tgt Ion:152 Resp: 113749
Ion Ratio Lower Upper
152 100
115 61.8 28.9 86.8
150 156.6 0.0 342.4

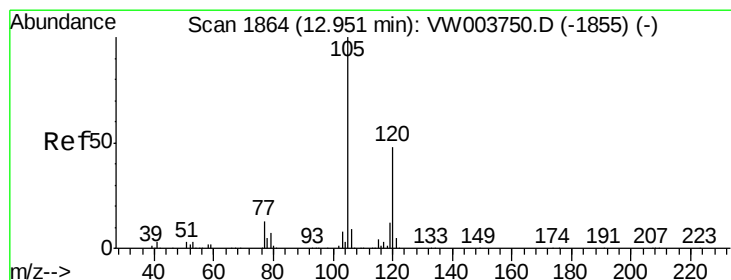
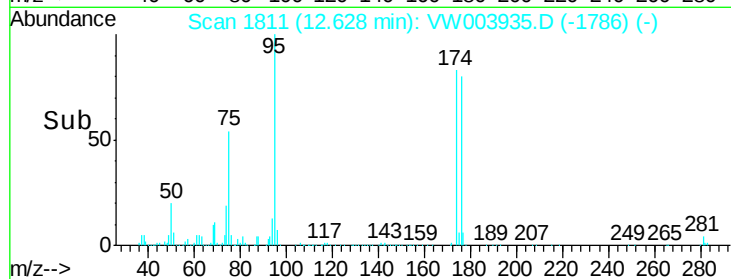
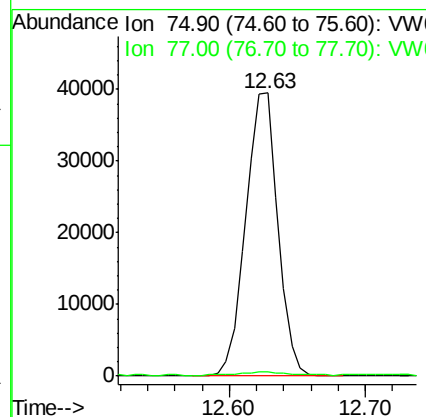
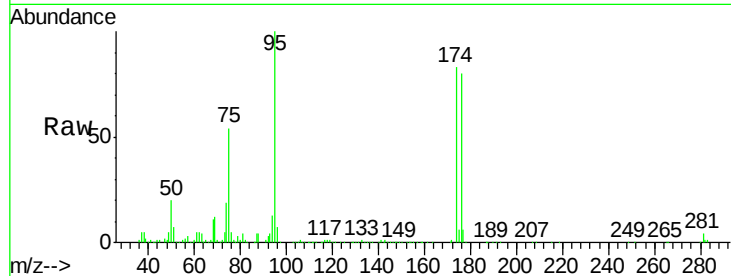




#76
 1,2,3-Trichloropropane
 Concen: 58.543 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW003935.D
 Acq: 14 Jul 2018 00:04

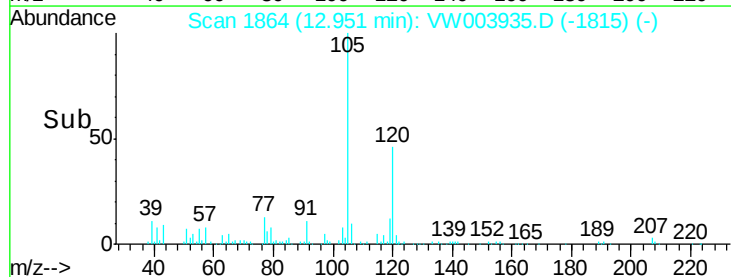
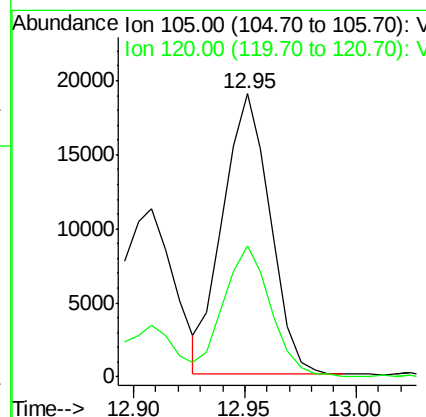
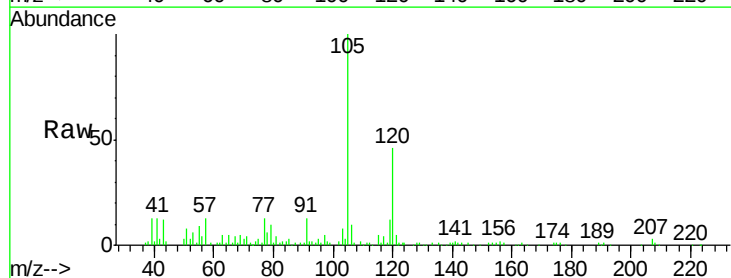
Instrument :
 MSVOA_W
 ClientSampleId :

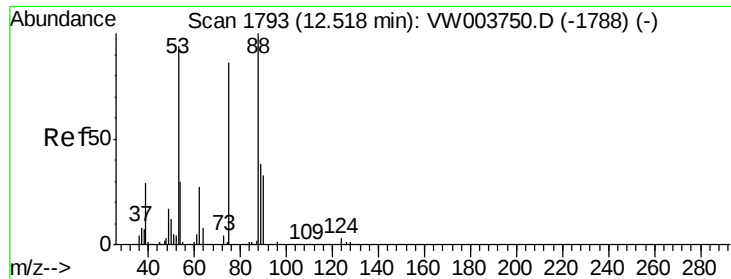
Tot Ion: 75 Resp: 65392
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 4.205 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW003935.D
 Acq: 14 Jul 2018 00:04

Tgt Ion:105 Resp: 27917
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.2 72.6

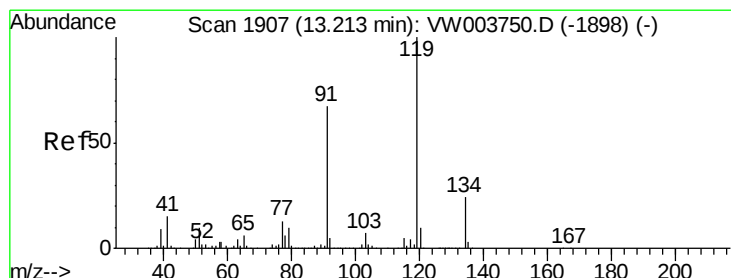
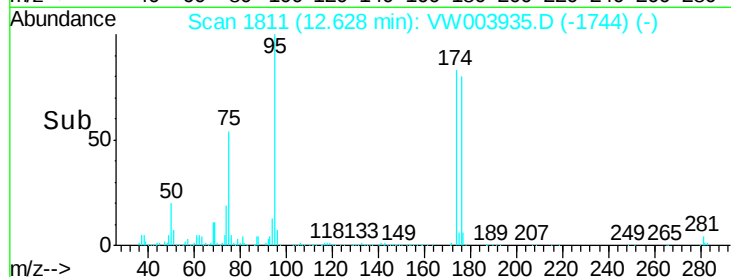
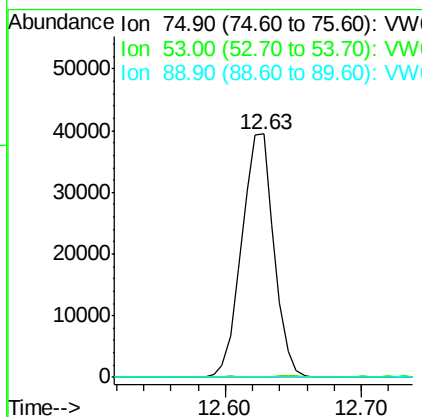
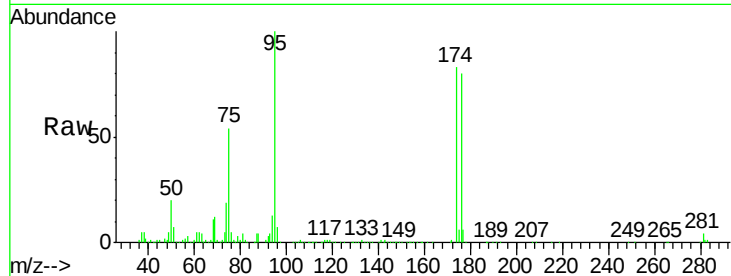




#81
trans-1,4-Dichloro-2-butene
Concen: 143.209 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.11 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

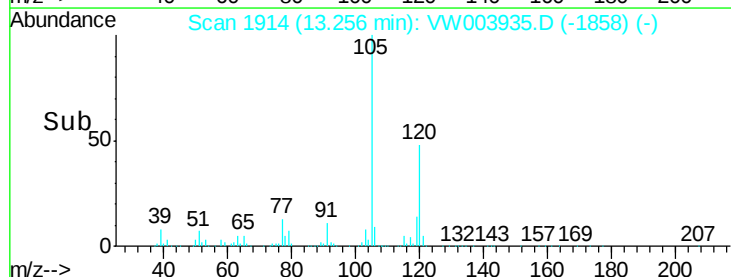
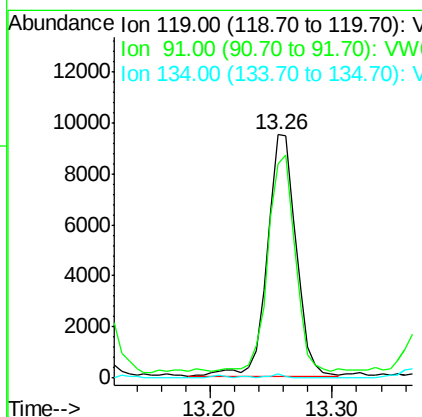
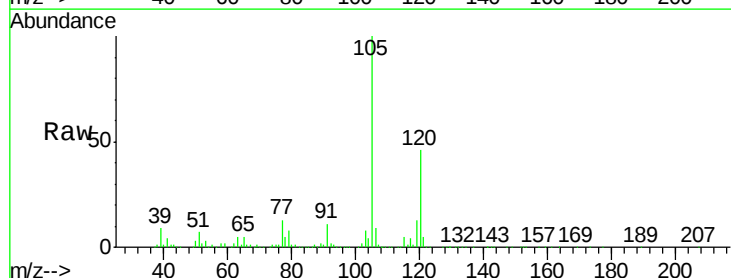
Instrument :
MSVOA_W
ClientSampled :

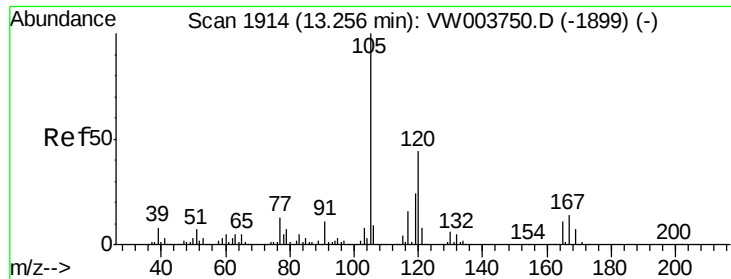
Tot Ion: 75 Resp: 65392
Ion Ratio Lower Upper
75 100
53 0.0 85.0 127.6#
89 0.0 36.3 54.5#



#83
tert-Butylbenzene
Concen: 2.845 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.04 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

Tgt Ion: 119 Resp: 15576
Ion Ratio Lower Upper
119 100
91 82.7 33.0 98.9
134 0.8 12.8 38.4#

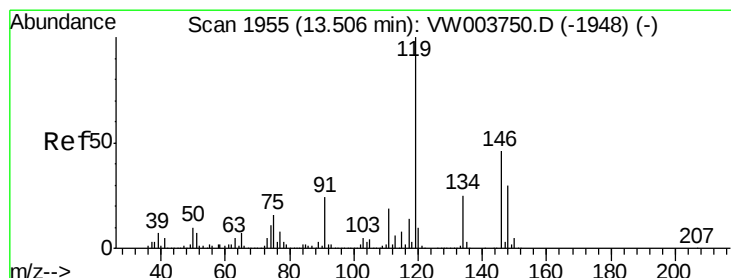
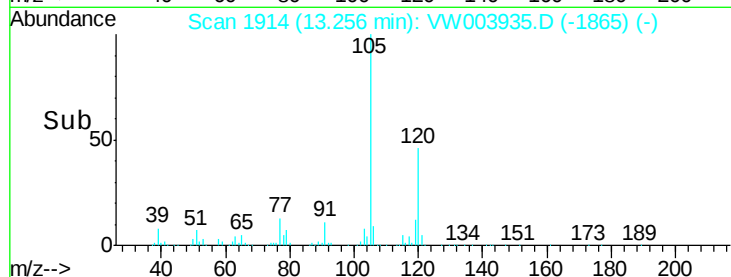
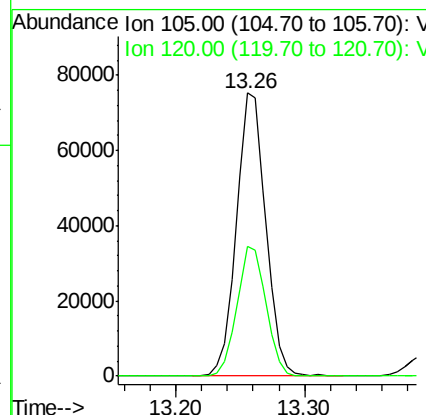
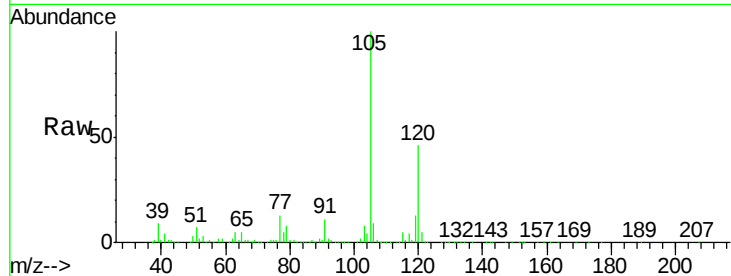




#84
 1,2,4-Trimethylbenzene
 Concen: 17.168 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003935.D
 Acq: 14 Jul 2018 00:04

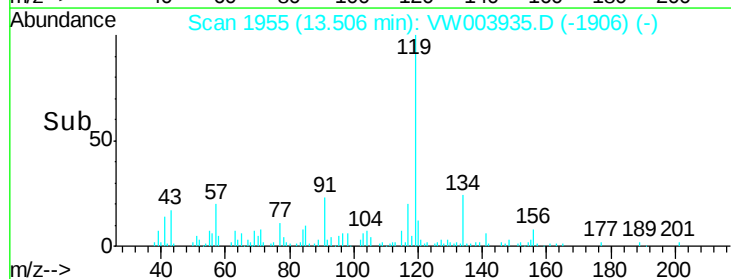
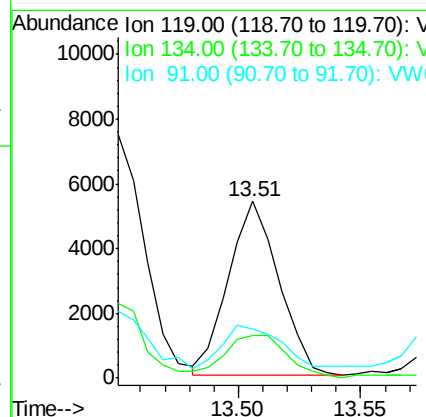
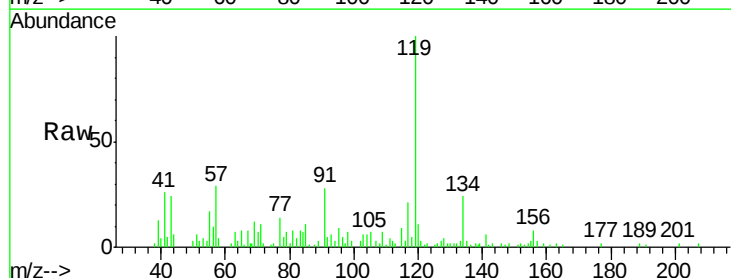
Instrument :
 MSVOA_W
 ClientSampled :

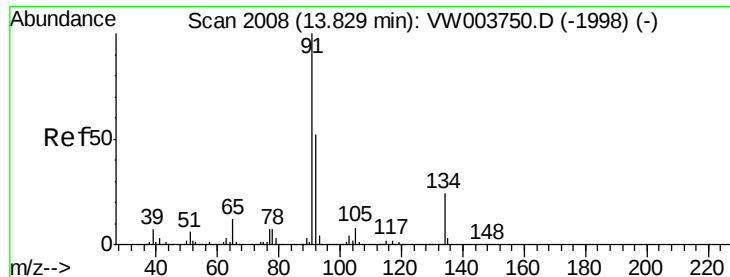
Tot Ion:105 Resp: 118414
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.0 66.0



#86
 p-Isopropyltoluene
 Concen: 1.067 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003935.D
 Acq: 14 Jul 2018 00:04

Tgt Ion:119 Resp: 7639
 Ion Ratio Lower Upper
 119 100
 134 31.8 13.1 39.1
 91 28.2 11.9 35.9

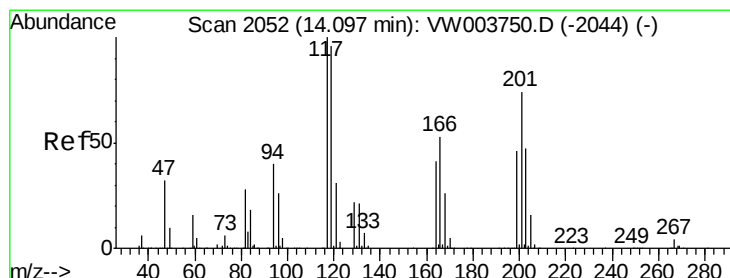
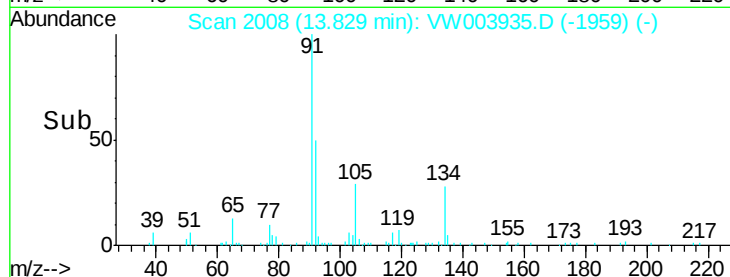
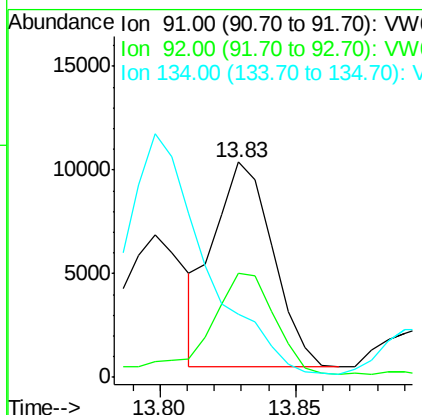
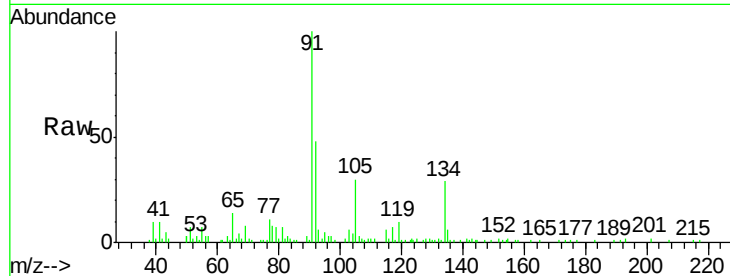




#89
n-Butylbenzene
Concen: 2.130 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

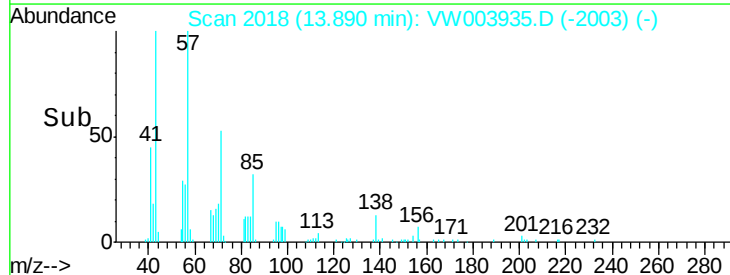
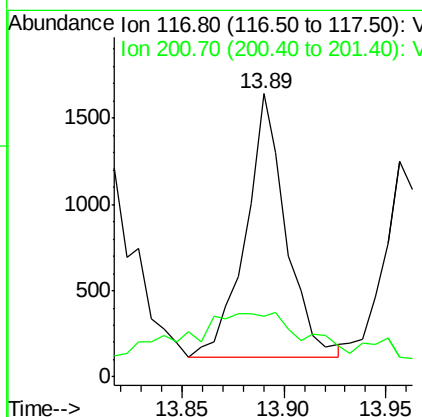
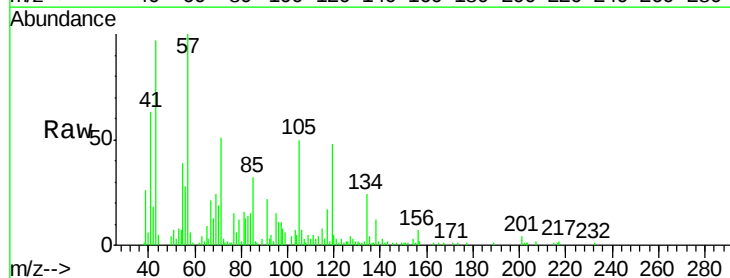
Instrument :
MSVOA_W
ClientSampled :

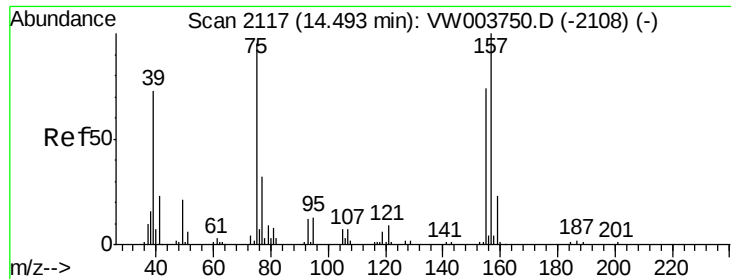
Tot Ion: 91 Resp: 14993
Ion Ratio Lower Upper
91 100
92 56.0 26.1 78.3
134 0.0 12.4 37.4#



#90
Hexachloroethane
Concen: 1.512 ug/l
RT: 13.89 min Scan# 2018
Delta R.T. -0.21 min
Lab File: VW003935.D
Acq: 14 Jul 2018 00:04

Tgt Ion: 117 Resp: 2085
Ion Ratio Lower Upper
117 100
201 65.9 39.2 117.6

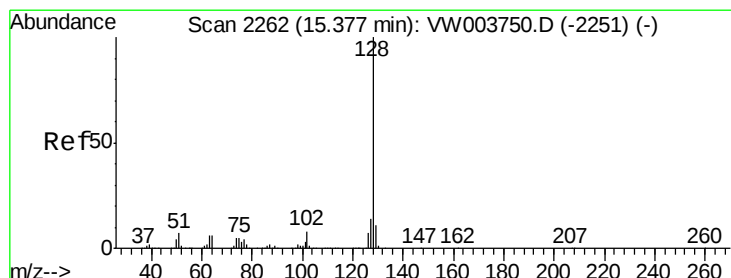
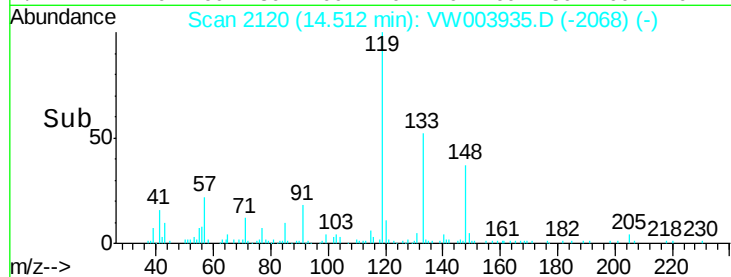
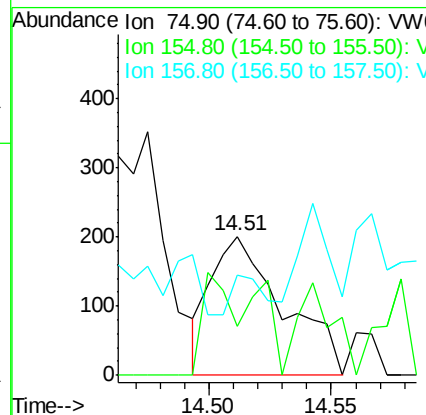
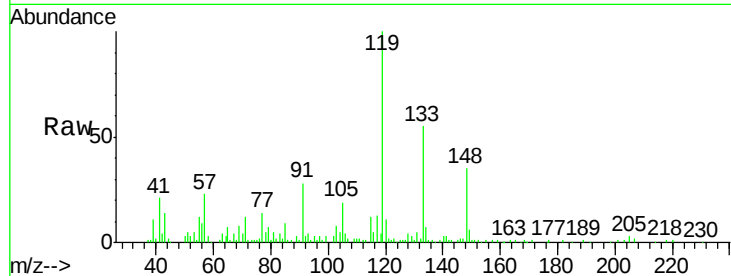




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.517 ug/l
 RT: 14.51 min Scan# 2120
 Delta R.T. 0.02 min
 Lab File: VW003935.D
 Acq: 14 Jul 2018 00:04

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 75 Resp: 410
 Ion Ratio Lower Upper
 75 100
 155 30.5 39.2 117.6#
 157 13.4 50.7 152.1#



#95
 Naphthalene
 Concen: 4.379 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VW003935.D
 Acq: 14 Jul 2018 00:04

Tgt Ion: 128 Resp: 18475
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.8 16.2
 129 8.6 8.6 13.0#

