

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007847.D
 Acq On : 22 Dec 2018 17:10
 Operator : SY/AP
 Sample : J6377-19RE
 Misc : 3.87G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD007-0006-01RE

Quant Time: Dec 23 23:55:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	80259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	130122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	86775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	22067	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	43216	49.13	ug/l	0.00
Spiked Amount						
			Recovery	=	98.26%	
35) Dibromofluoromethane	7.88	113	37656	47.44	ug/l	0.00
Spiked Amount						
			Recovery	=	94.88%	
50) Toluene-d8	10.32	98	126158	42.16	ug/l	0.00
Spiked Amount						
			Recovery	=	84.32%	
62) 4-Bromofluorobenzene	12.62	95	29784	25.76	ug/l	0.00
Spiked Amount						
			Recovery	=	51.52%	

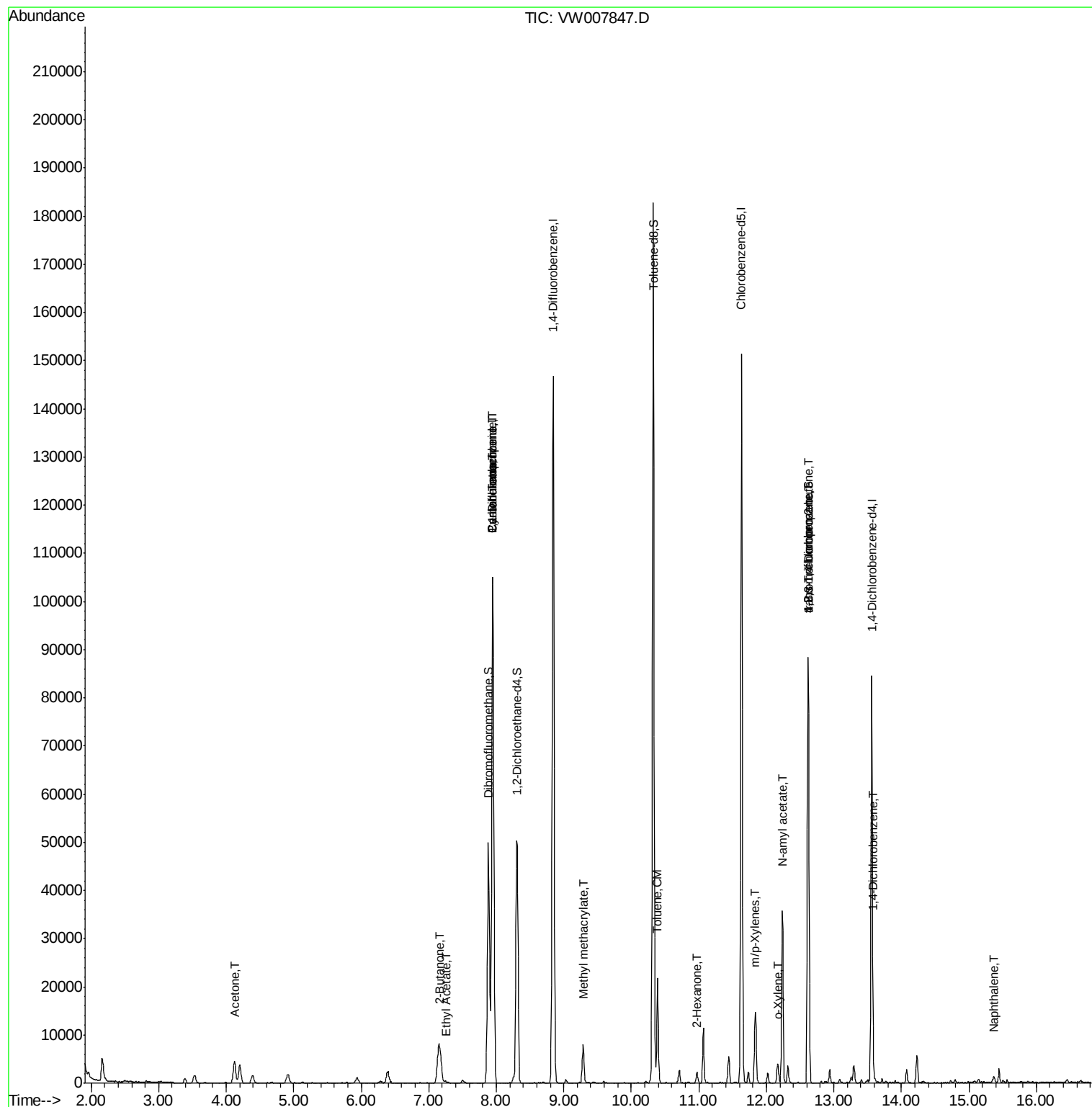
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	8143	49.433	ug/l	98
20) Methylene Chloride	4.92	84	1533	Below Cal	#	87
25) 2-Butanone	7.17	43	7882	40.851	ug/l	93
31) Cyclohexane	7.95	56	1527	1.166	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	5870	4.674	ug/l #	50
37) Ethyl Acetate	7.25	43	771	1.779	ug/l #	71
38) Carbon Tetrachloride	7.95	117	8239	5.570	ug/l #	15
48) Methyl methacrylate	9.29	41	1037	2.392	ug/l #	44
52) Toluene	10.39	92	9015	4.009	ug/l	97
59) 2-Hexanone	10.98	43	1517	5.256	ug/l	98
68) m/p-Xylenes	11.83	106	4560	3.647	ug/l	93
69) o-Xylene	12.16	106	1209	1.032	ug/l	96
74) N-ethyl acetate	12.24	43	21199	73.372	ug/l #	43
76) 1,2,3-Trichloropropane	12.62	75	14771	86.604	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	14771	181.789	ug/l #	9
88) 1,4-Dichlorobenzene	13.58	146	885	1.166	ug/l #	55
95) Naphthalene	15.38	128	1346	1.543	ug/l #	96

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007847.D

Acq: 22 Dec 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

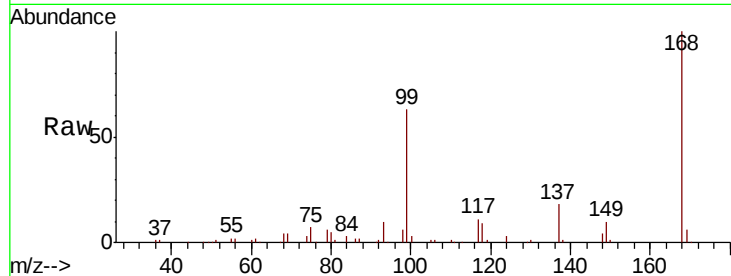
P001-SD007-0006-01RE

Tgt Ion:168 Resp: 80259

Ion Ratio Lower Upper

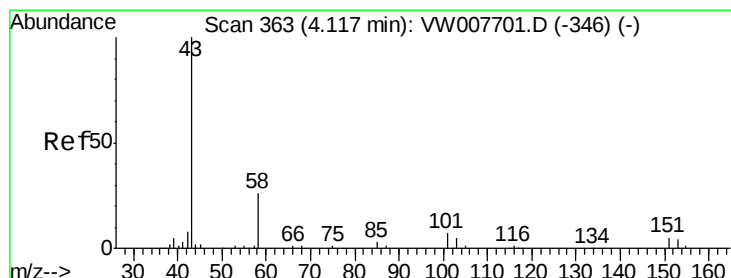
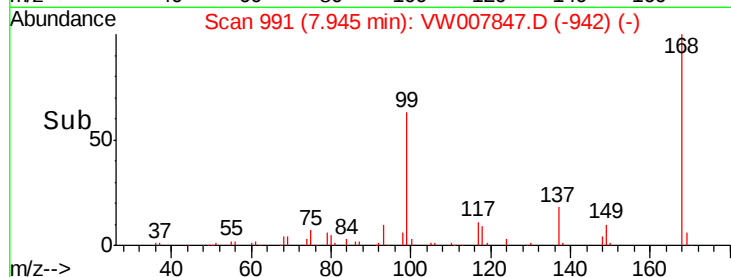
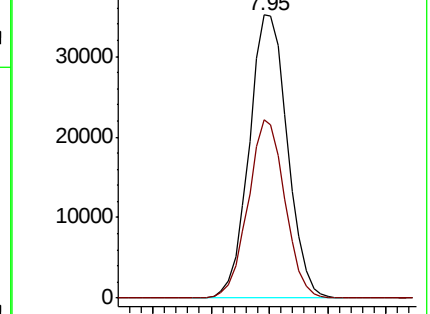
168 100

99 63.1 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 49.433 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007847.D

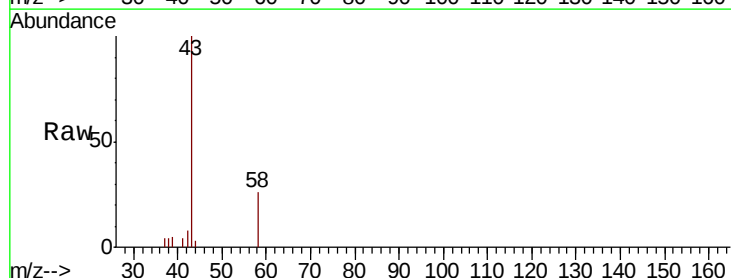
Acq: 22 Dec 2018 17:10

Tgt Ion: 43 Resp: 8143

Ion Ratio Lower Upper

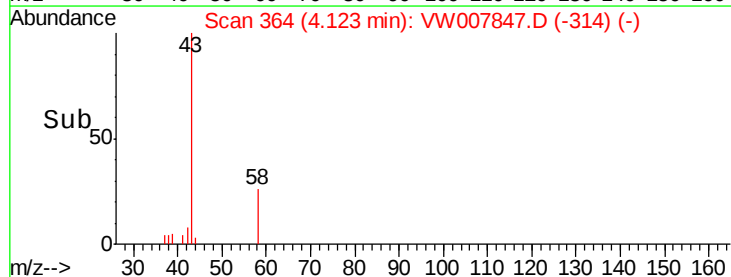
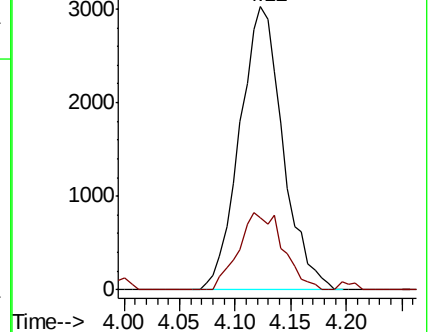
43 100

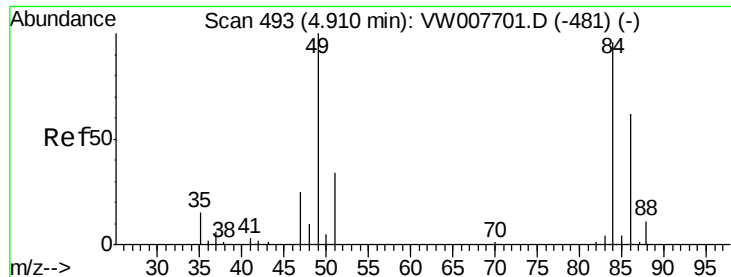
58 25.6 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

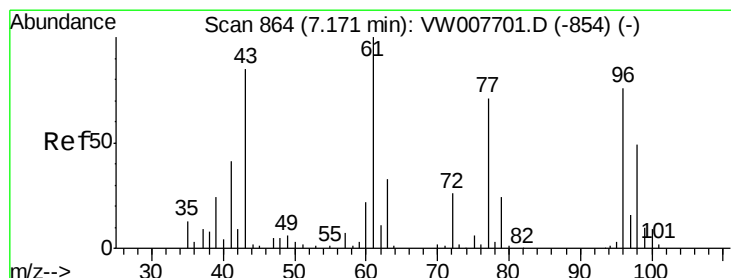
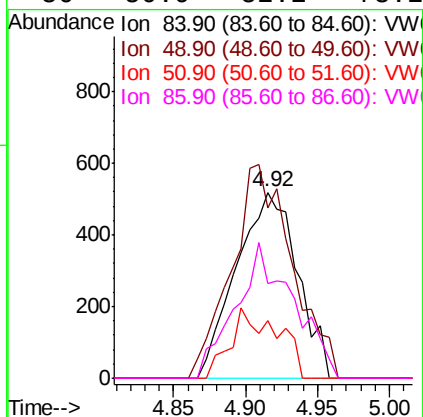
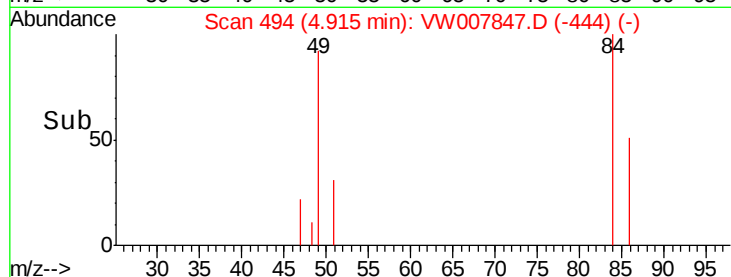
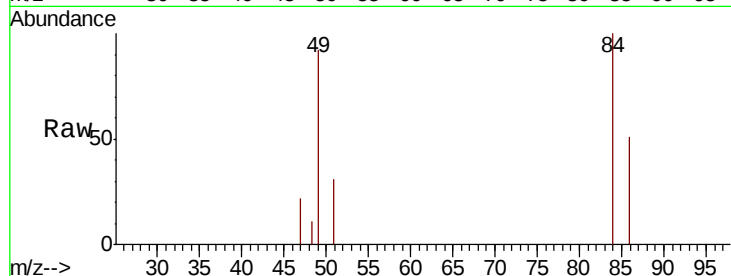




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

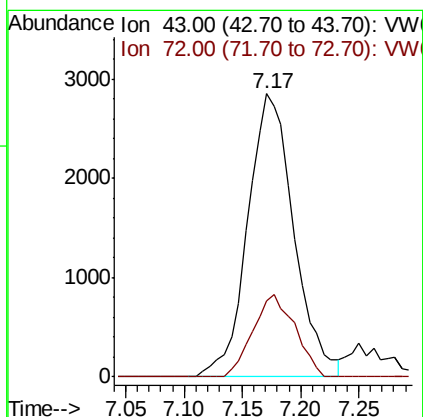
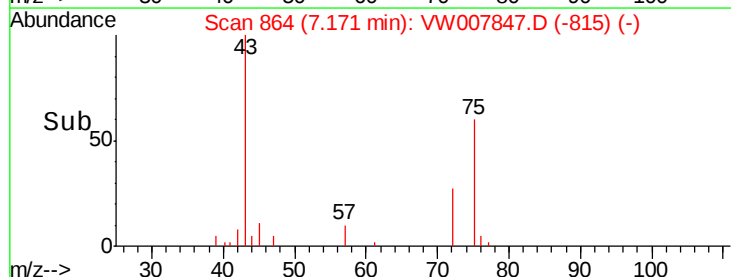
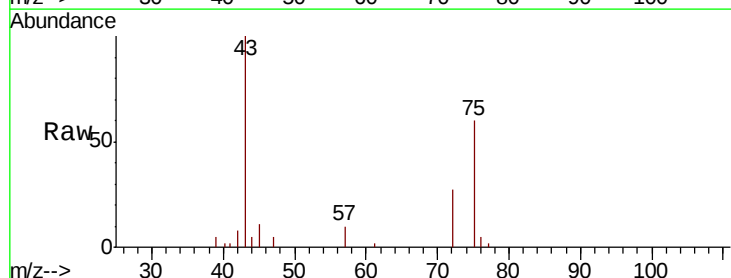
Instrument :
MSVOA_W
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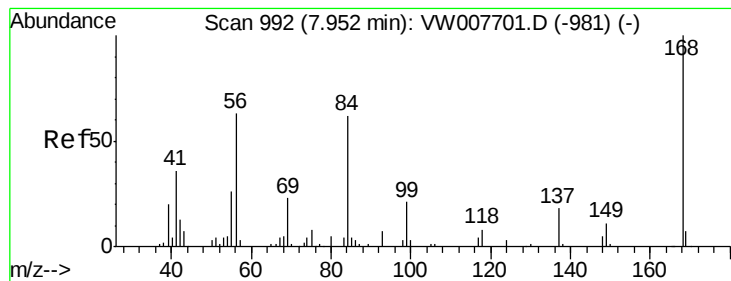
Tgt Ion: 84 Resp: 1533
Ion Ratio Lower Upper
84 100
49 91.7 83.7 125.5
51 31.2 28.2 42.2
86 50.9 52.2 78.2#



#25
2-Butanone
Concen: 40.851 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

Tgt Ion: 43 Resp: 7882
Ion Ratio Lower Upper
43 100
72 27.0 24.5 36.7





#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007847.D

Acq: 22 Dec 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

P001-SD007-0006-01RE

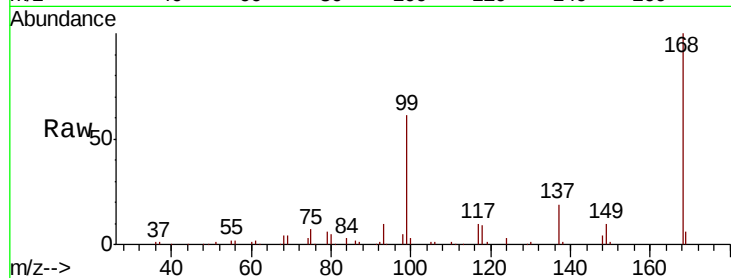
Tgt Ion: 56 Resp: 1527

Ion Ratio Lower Upper

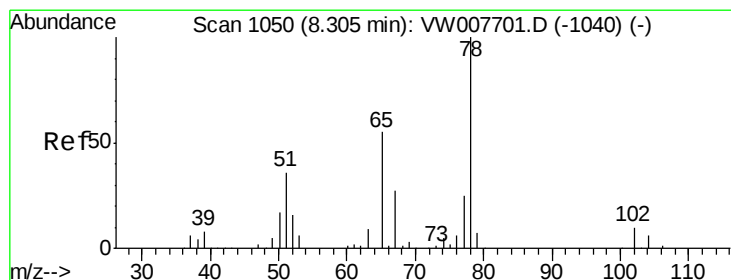
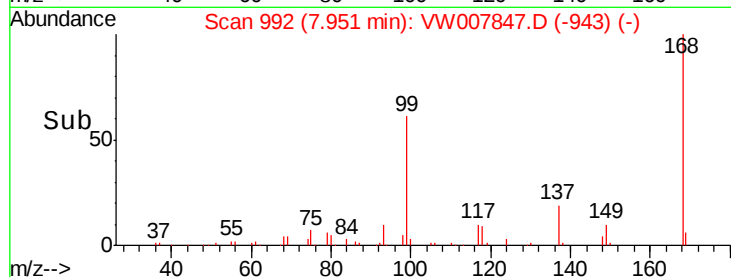
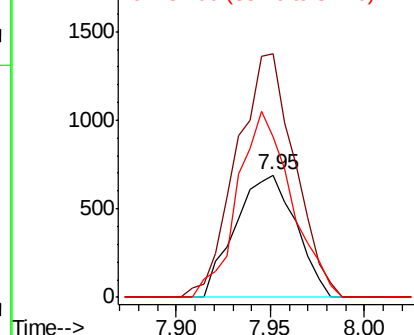
56 100

69 198.8 29.7 44.5#

84 131.4 78.9 118.3#



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



#33

1,2-Dichloroethane-d4

Concen: 49.127 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007847.D

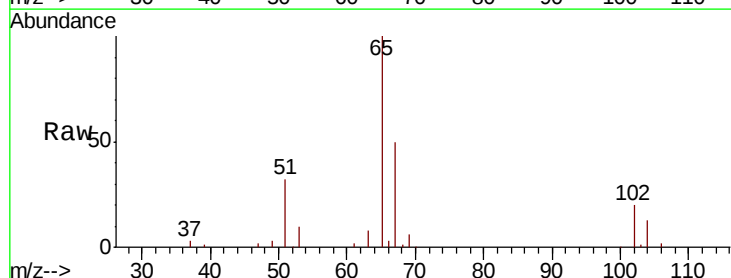
Acq: 22 Dec 2018 17:10

Tgt Ion: 65 Resp: 43216

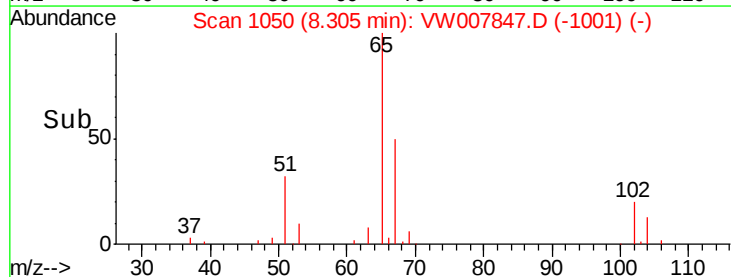
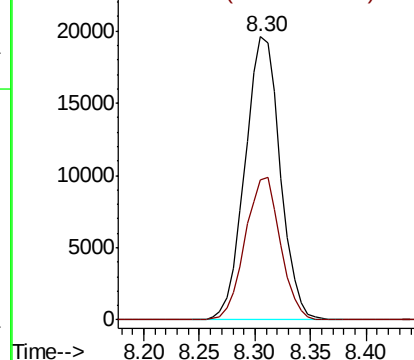
Ion Ratio Lower Upper

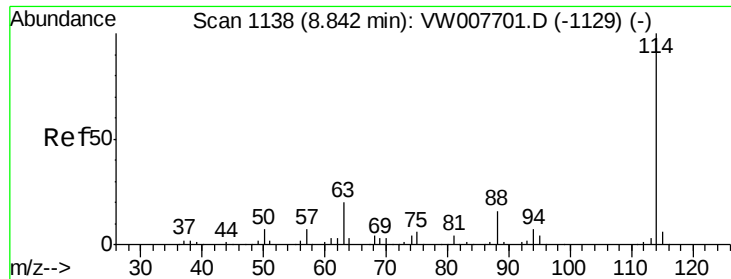
65 100

67 50.3 0.0 100.6



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

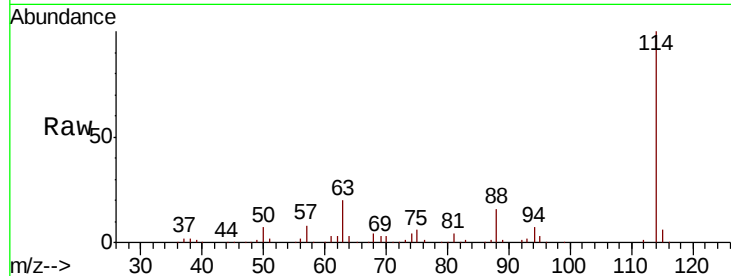




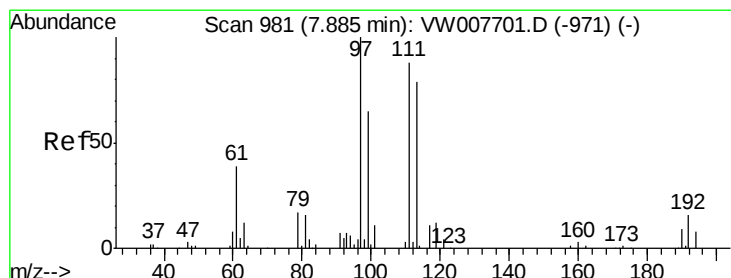
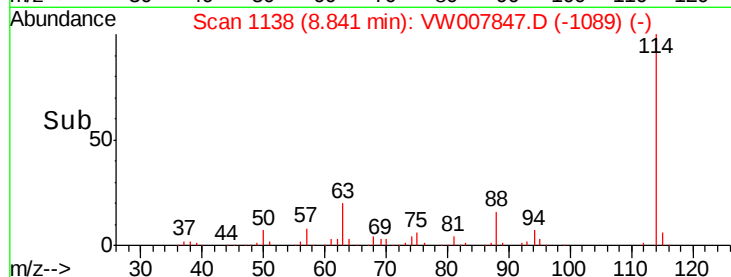
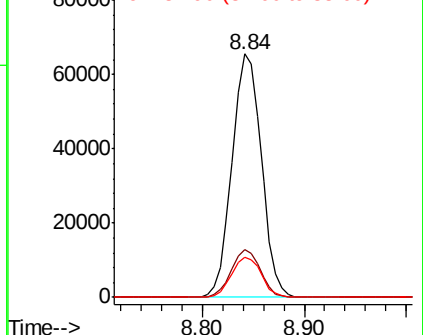
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007847.D
 Acq: 22 Dec 2018 17:10

Instrument :
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 P001-SD007-0006-01RE

Tgt Ion:114 Resp: 130122
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 16.4 0.0 32.6

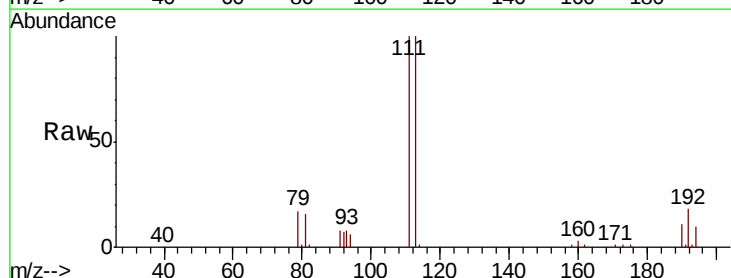


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

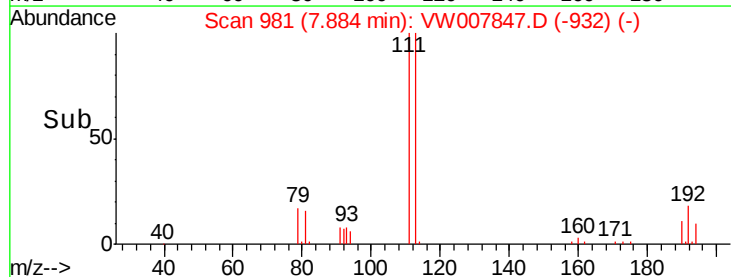
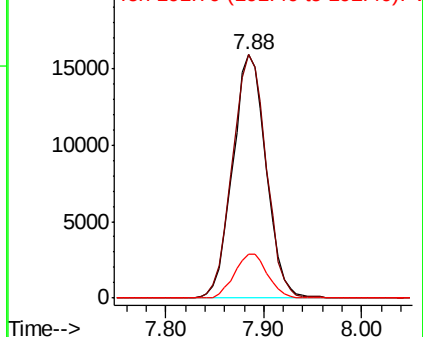


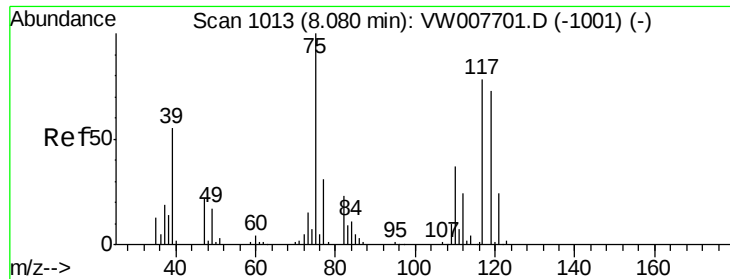
#35
 Dibromofluoromethane
 Concen: 47.437 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007847.D
 Acq: 22 Dec 2018 17:10

Tgt Ion:113 Resp: 37656
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.6 124.0
 192 17.9 15.5 23.3



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

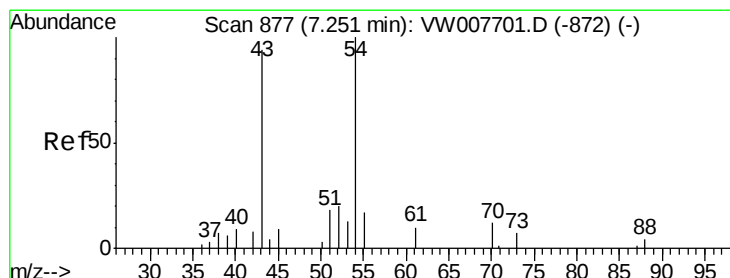
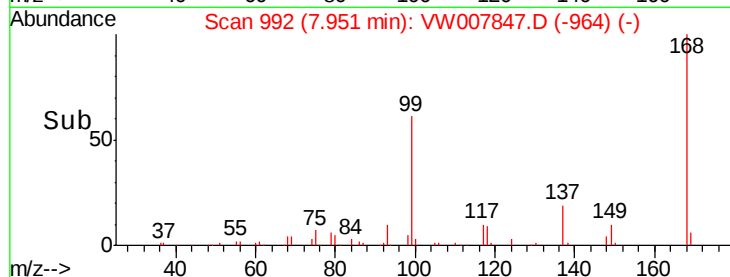
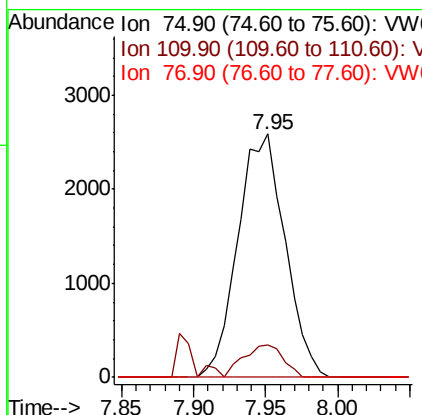
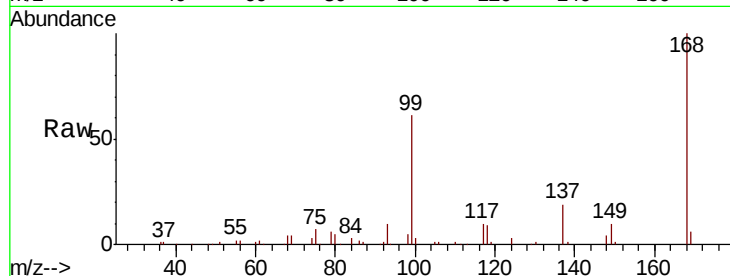




#36
 1,1-Dichloropropene
 Concen: 4.674 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007847.D
 Acq: 22 Dec 2018 17:10

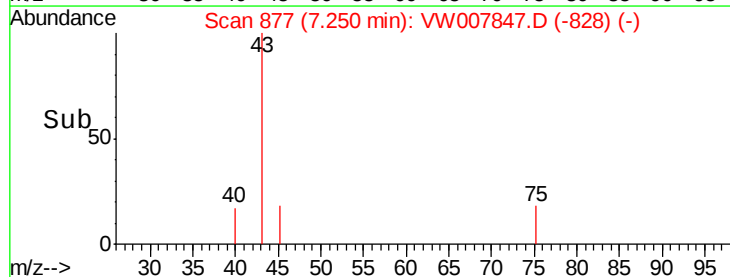
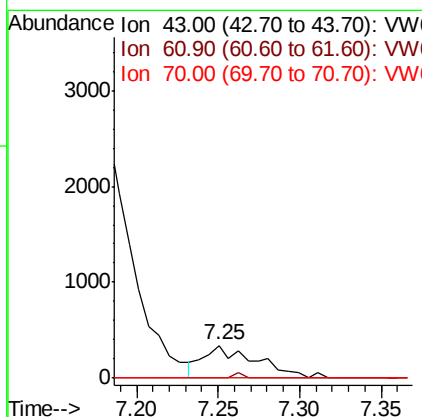
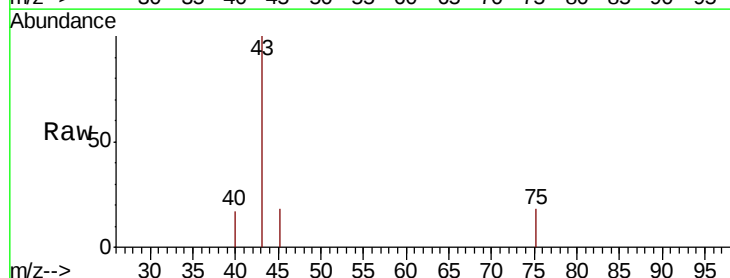
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 MSVOA_W
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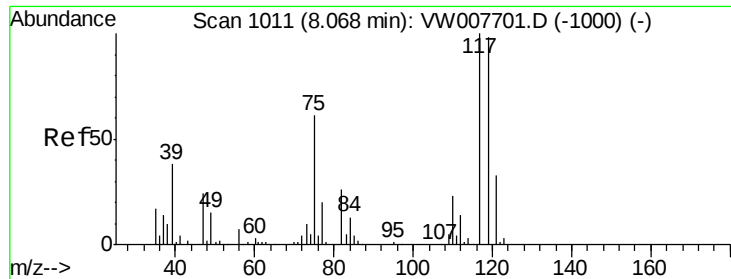
Tgt Ion: 75 Resp: 5870
 Ion Ratio Lower Upper
 75 100
 110 11.2 18.6 55.8#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.779 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW007847.D
 Acq: 22 Dec 2018 17:10

Tgt Ion: 43 Resp: 771
 Ion Ratio Lower Upper
 43 100
 61 2.6 11.2 16.8#
 70 0.0 9.3 13.9#

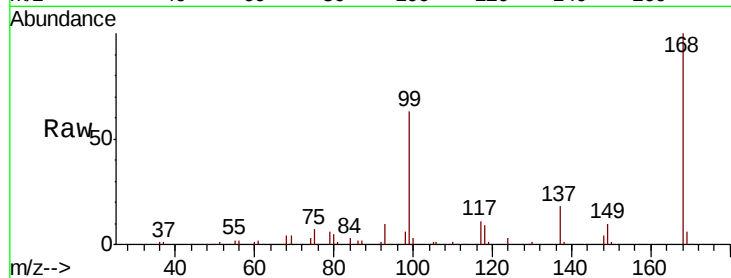




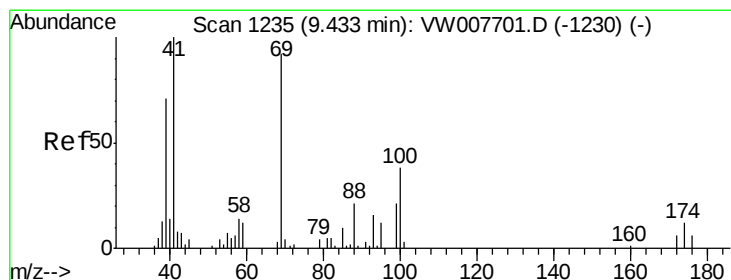
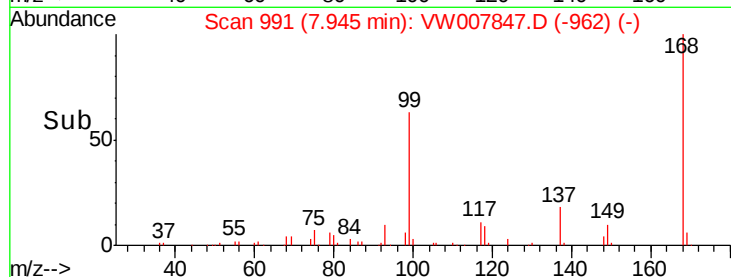
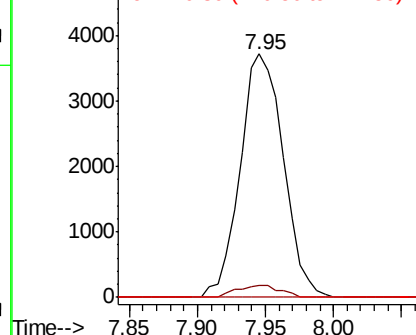
#38
Carbon Tetrachloride
Concen: 5.570 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

Instrument :
MSVOA_W
ClientSampleId :
P001-SD007-0006-01RE

Tgt Ion: 117 Resp: 8239
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 26.1 39.1#

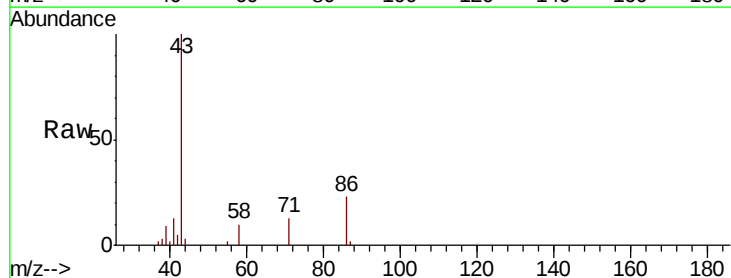


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

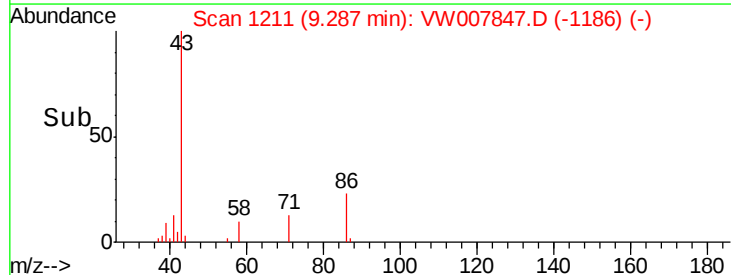
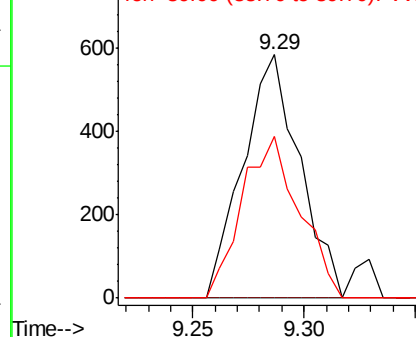


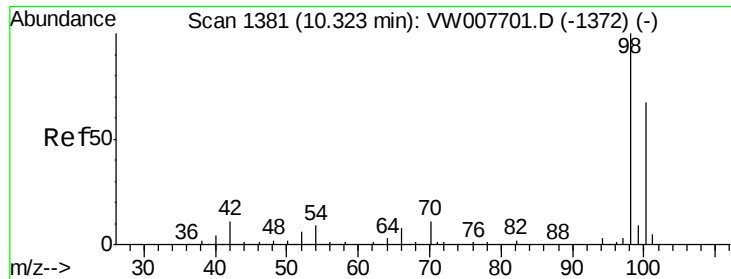
#48
Methyl methacrylate
Concen: 2.392 ug/l
RT: 9.29 min Scan# 1211
Delta R.T. -0.15 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

Tgt Ion: 41 Resp: 1037
Ion Ratio Lower Upper
41 100
69 0.0 74.2 111.2#
39 67.1 53.9 80.9



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 42.157 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007847.D

Acq: 22 Dec 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

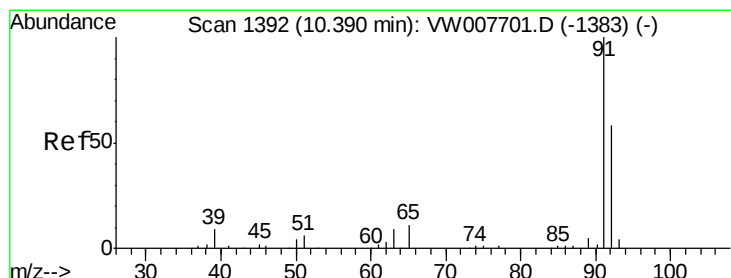
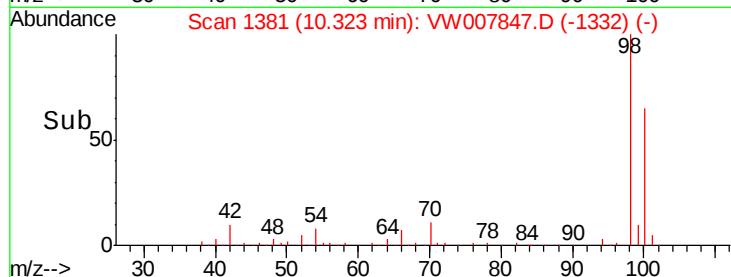
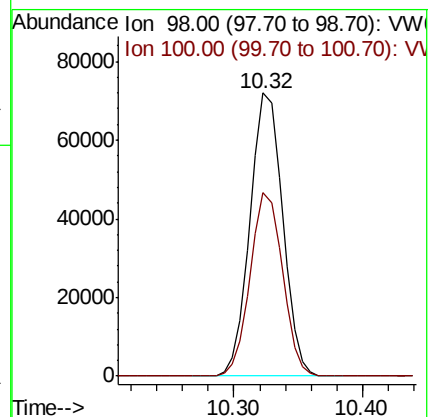
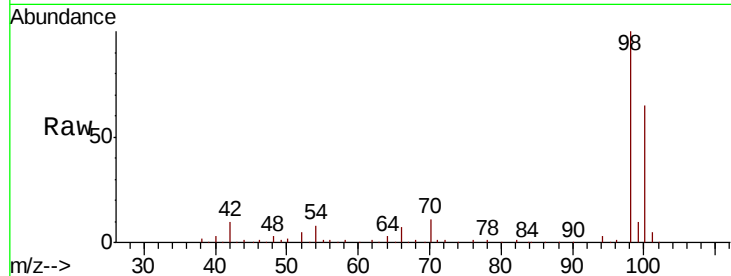
P001-SD007-0006-01RE

Tgt Ion: 98 Resp: 126158

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2



#52

Toluene

Concen: 4.009 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007847.D

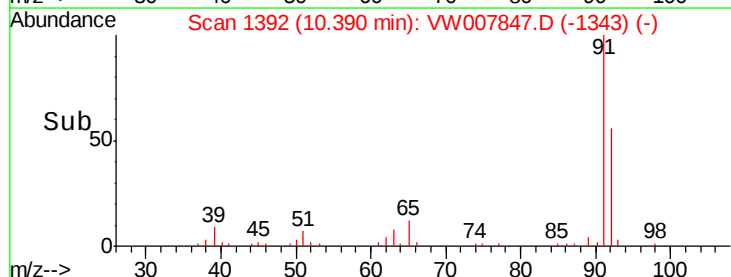
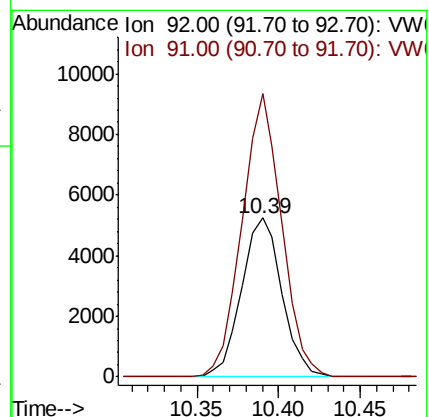
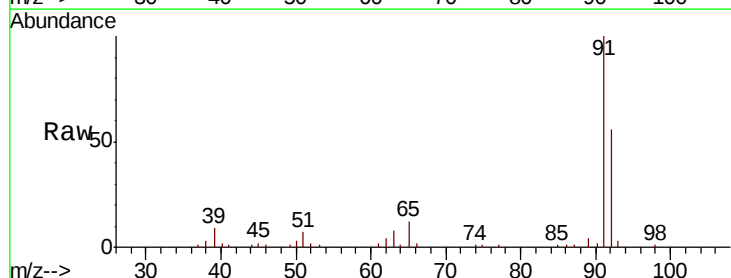
Acq: 22 Dec 2018 17:10

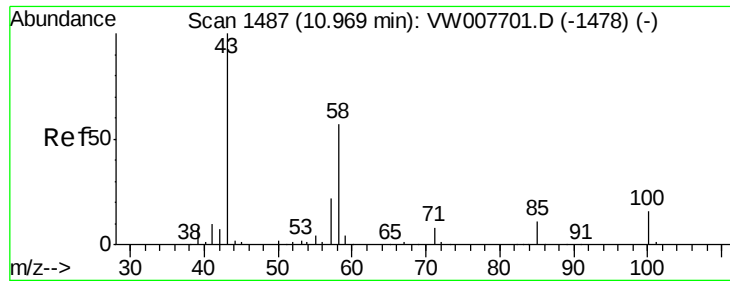
Tgt Ion: 92 Resp: 9015

Ion Ratio Lower Upper

92 100

91 174.7 137.0 205.4





#59

2-Hexanone

Concen: 5.256 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW007847.D

Acq: 22 Dec 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

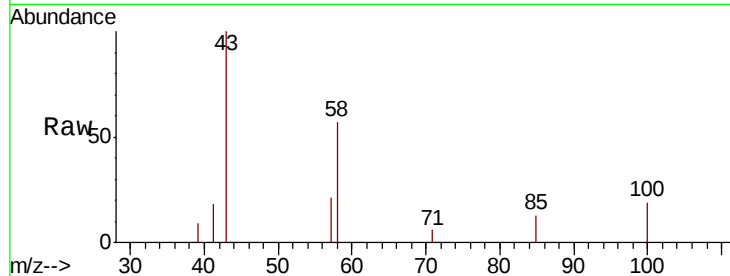
P001-SD007-0006-01RE

Tgt Ion: 43 Resp: 1517

Ion Ratio Lower Upper

43 100

58 53.9 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

1000

800

600

400

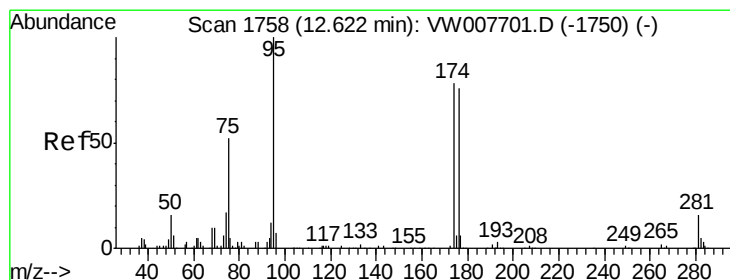
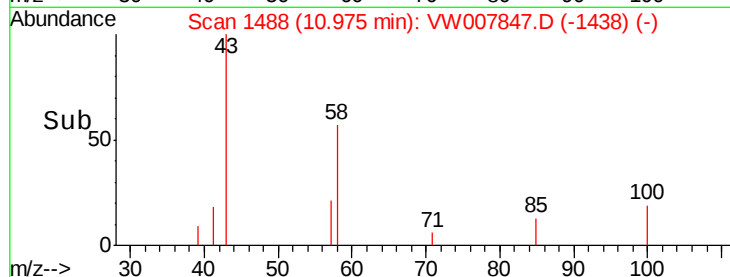
200

0

10.95

11.00

Time-->



#62

4-Bromofluorobenzene

Concen: 25.763 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007847.D

Acq: 22 Dec 2018 17:10

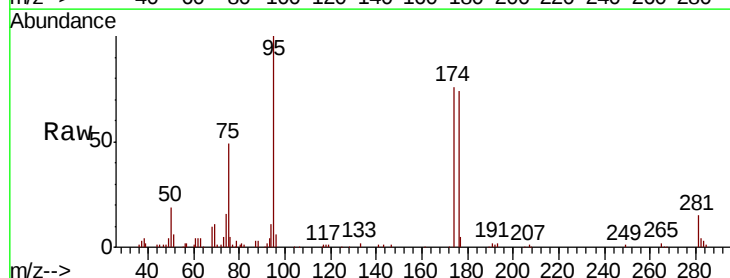
Tgt Ion: 95 Resp: 29784

Ion Ratio Lower Upper

95 100

174 75.9 0.0 152.2

176 72.6 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

25000

20000

15000

10000

5000

0

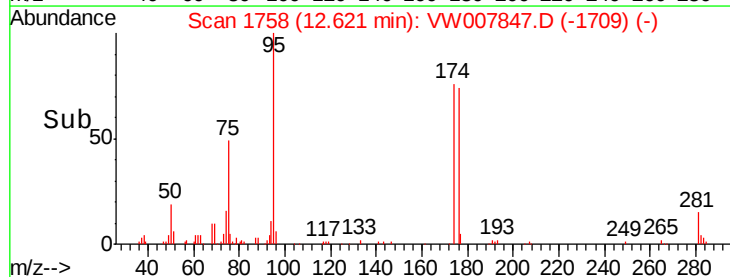
12.55

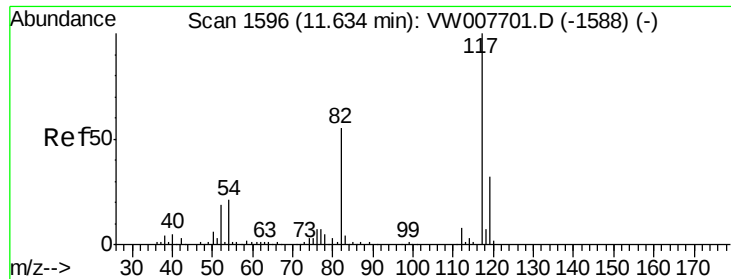
12.60

12.65

12.70

Time-->

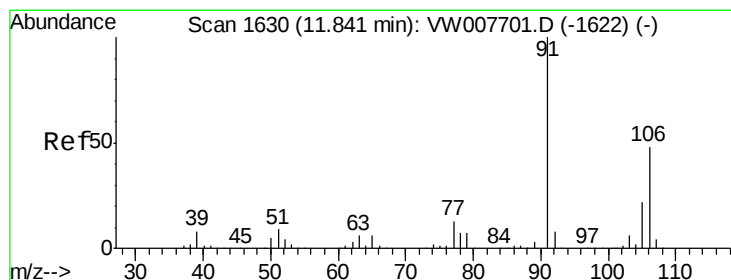
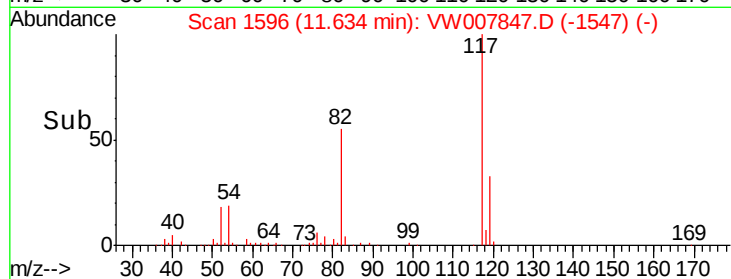
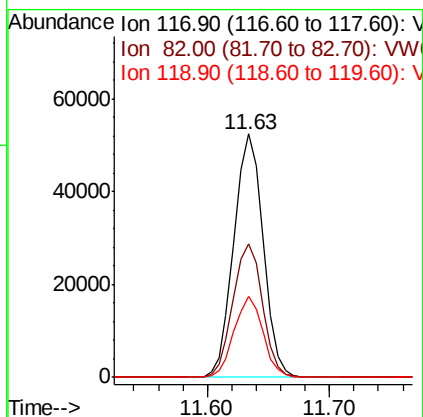
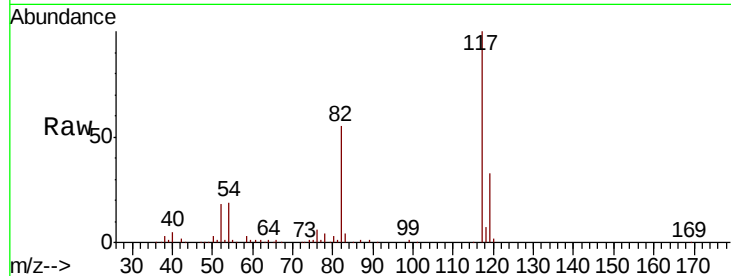




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

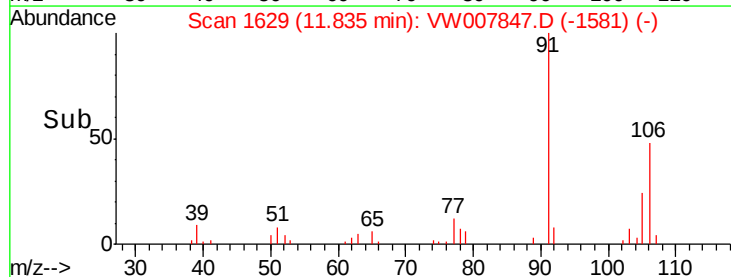
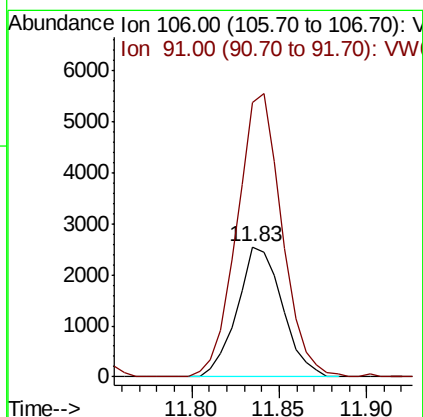
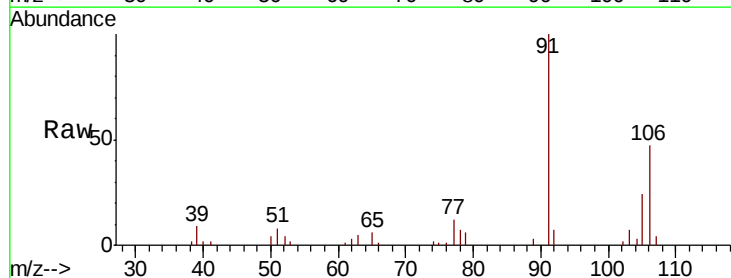
Instrument :
MSVOA_W
ClientSampleId :
P001-SD007-0006-01RE

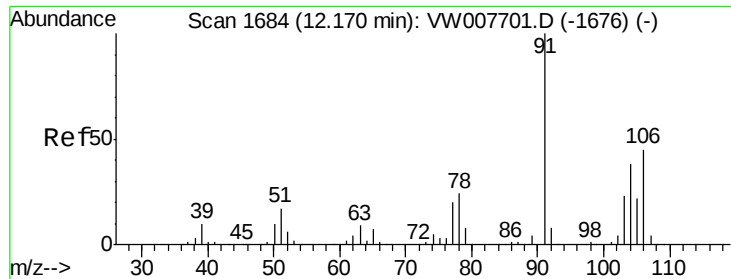
Tgt Ion:117 Resp: 86775
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 33.2 25.7 38.5



#68
m/p-Xylenes
Concen: 3.647 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

Tgt Ion:106 Resp: 4560
Ion Ratio Lower Upper
106 100
91 217.3 165.2 247.8

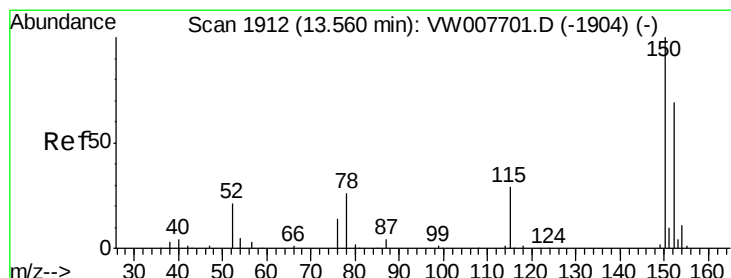
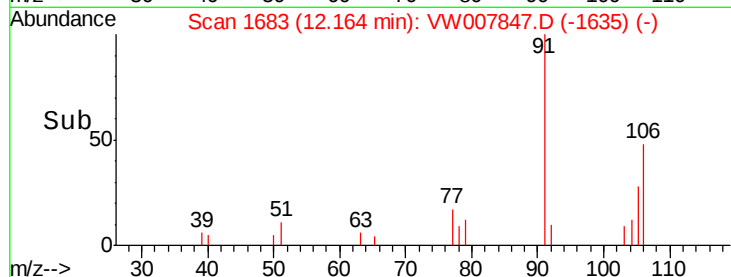
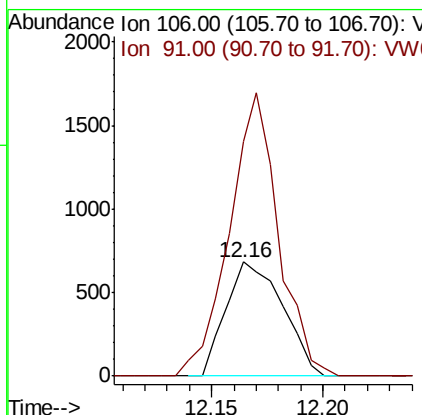
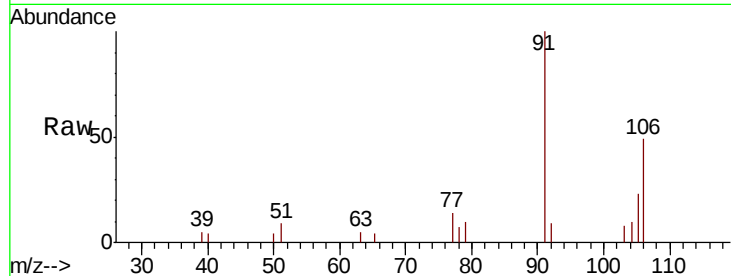




#69
o-Xylene
Concen: 1.032 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

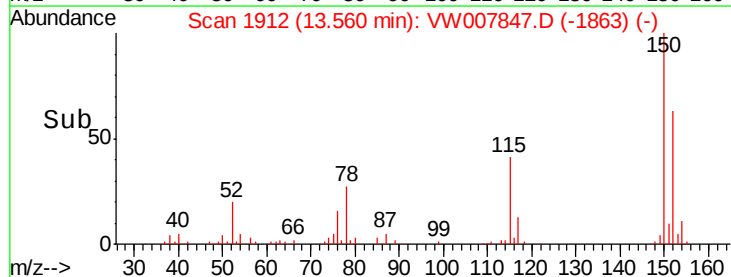
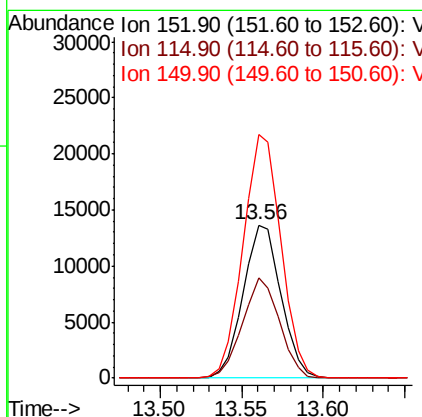
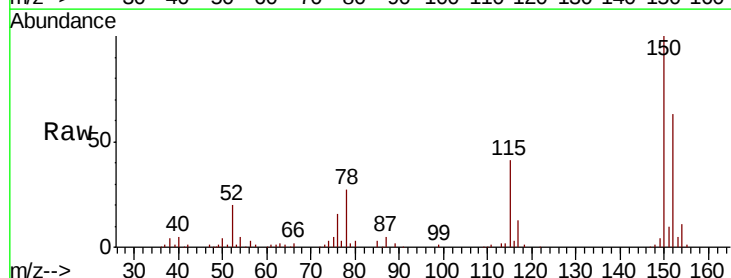
Instrument :
MSVOA_W
ClientSampleId :
P001-SD007-0006-01RE

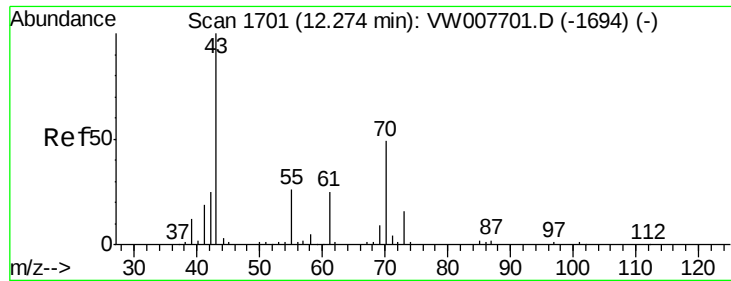
Tgt Ion:106 Resp: 1209
Ion Ratio Lower Upper
106 100
91 214.8 110.5 331.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

Tgt Ion:152 Resp: 22067
Ion Ratio Lower Upper
152 100
115 63.9 31.8 95.4
150 159.5 0.0 350.8

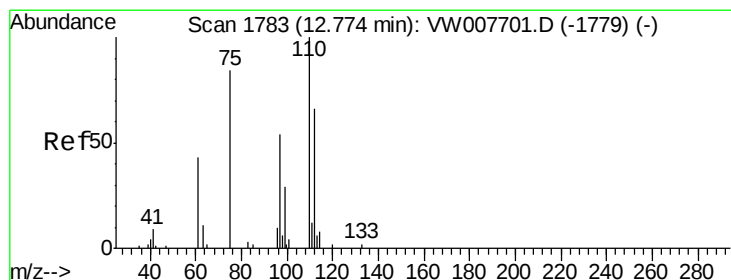
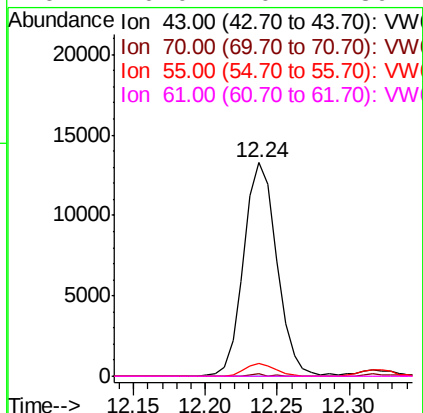
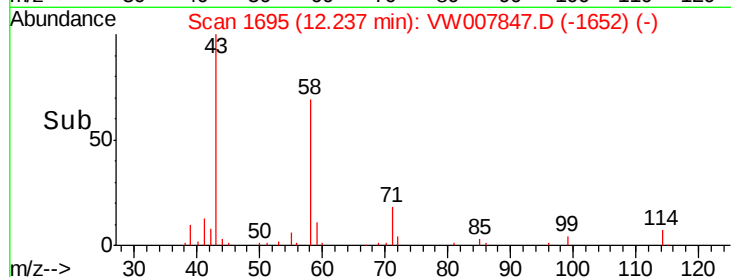
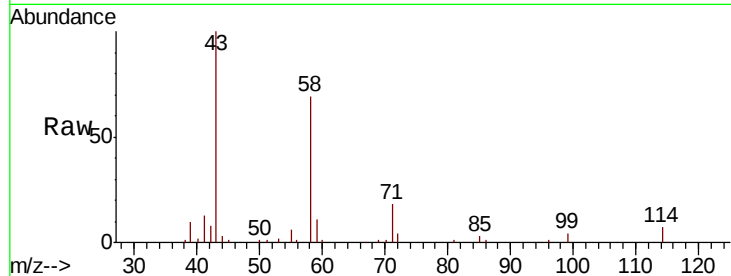




#74
N-amyI acetate
Concen: 73.372 ug/l
RT: 12.24 min Scan# 1695
Delta R.T. -0.04 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

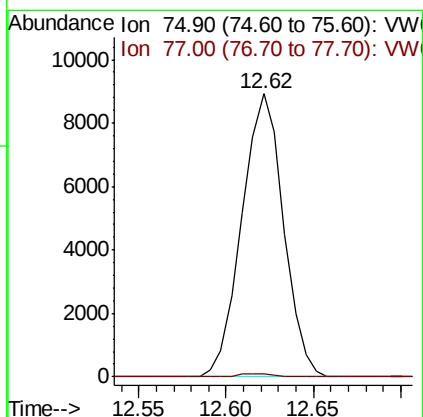
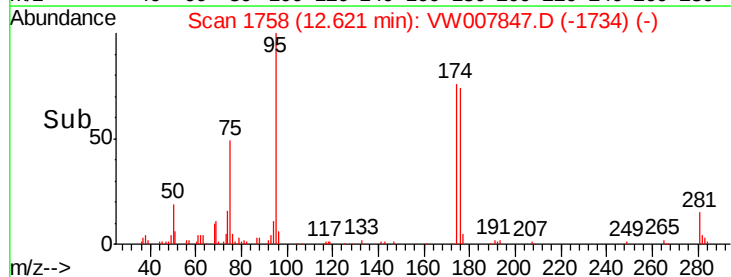
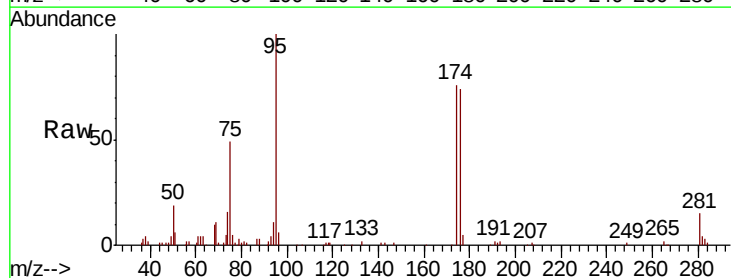
Instrument :
MSVOA_W
ClientSampleId :
P001-SD007-0006-01RE

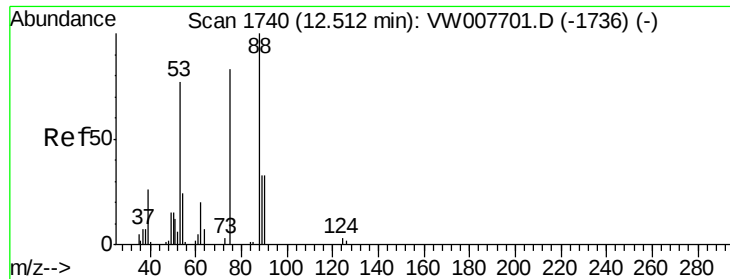
Tgt Ion: 43 Resp: 21199
Ion Ratio Lower Upper
43 100
70 0.5 37.6 56.4#
55 5.3 21.7 32.5#
61 0.0 20.1 30.1#



#76
1,2,3-Trichloropropane
Concen: 86.604 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

Tgt Ion: 75 Resp: 14771
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

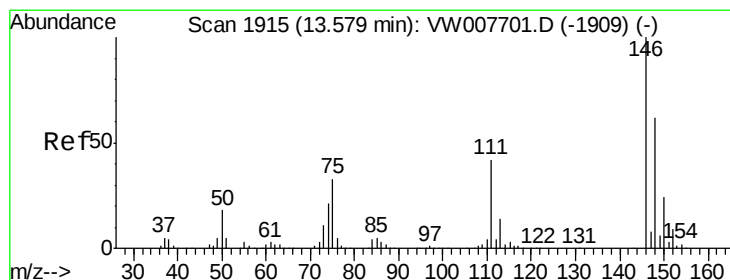
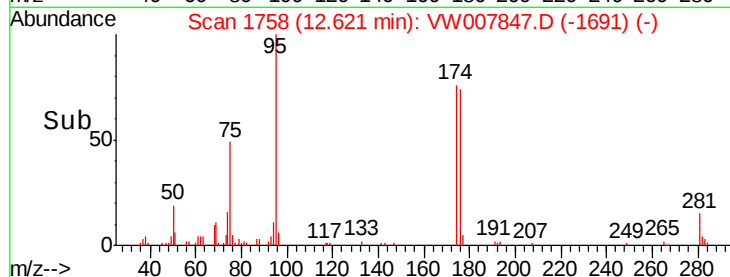
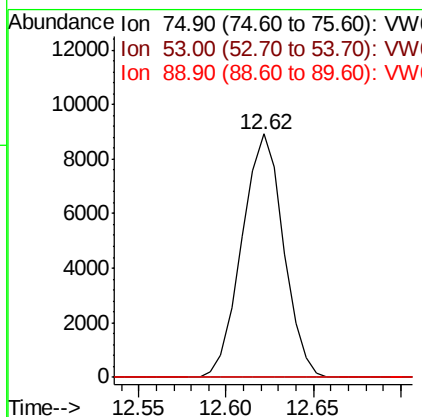
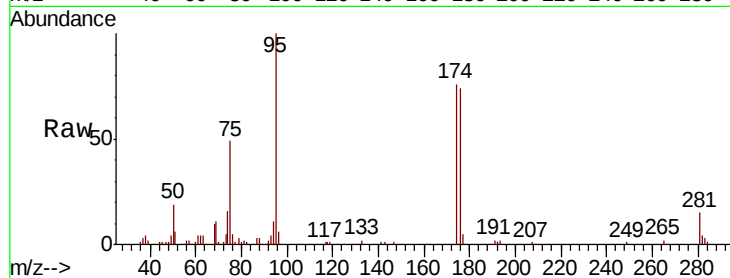




#81
trans-1,4-Dichloro-2-butene
Concen: 181.789 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

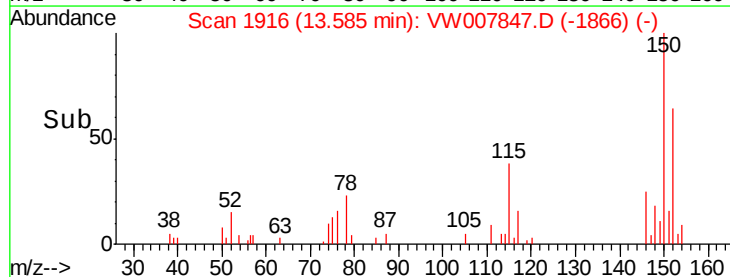
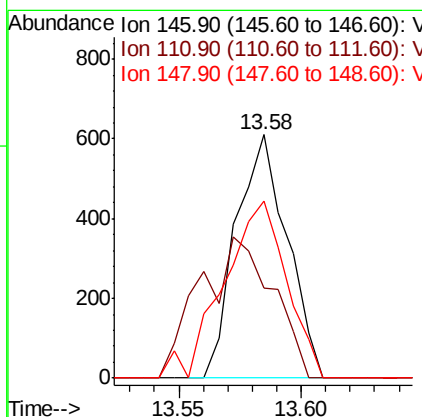
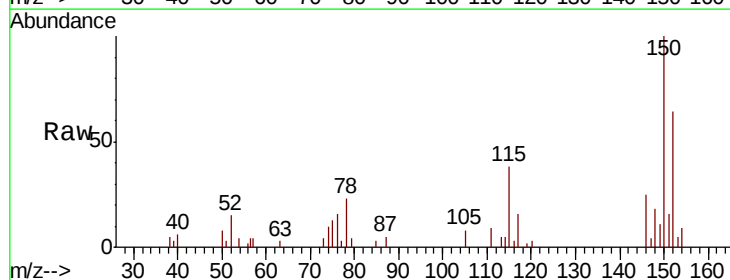
Instrument :
MSVOA_W
ClientSampleId :
P001-SD007-0006-01RE

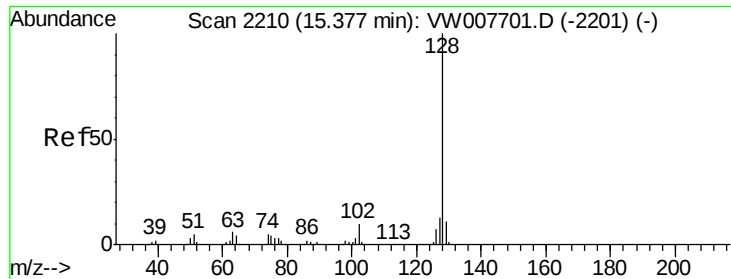
Tgt Ion: 75 Resp: 14771
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.2#
89 0.0 39.2 58.8#



#88
1,4-Dichlorobenzene
Concen: 1.166 ug/l
RT: 13.58 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

Tgt Ion: 146 Resp: 885
Ion Ratio Lower Upper
146 100
111 82.1 21.0 63.0#
148 89.7 31.8 95.4





#95
Naphthalene
Concen: 1.543 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007847.D
Acq: 22 Dec 2018 17:10

Instrument :
MSVOA_W
ClientSampleId :
P001-SD007-0006-01RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	8.1	8.8	13.2

