

Data File : VW009247.D
Acq On : 19 Mar 2019 17:54
Operator : SY/VA
Sample : K1933-08
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-8RE

Quant Time: Mar 20 07:33:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	143511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	224808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	85911	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	95826	62.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.56%	
35) Dibromofluoromethane	7.88	113	81918	57.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.88%	
50) Toluene-d8	10.32	98	275398	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.62	95	85147	44.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.50%	

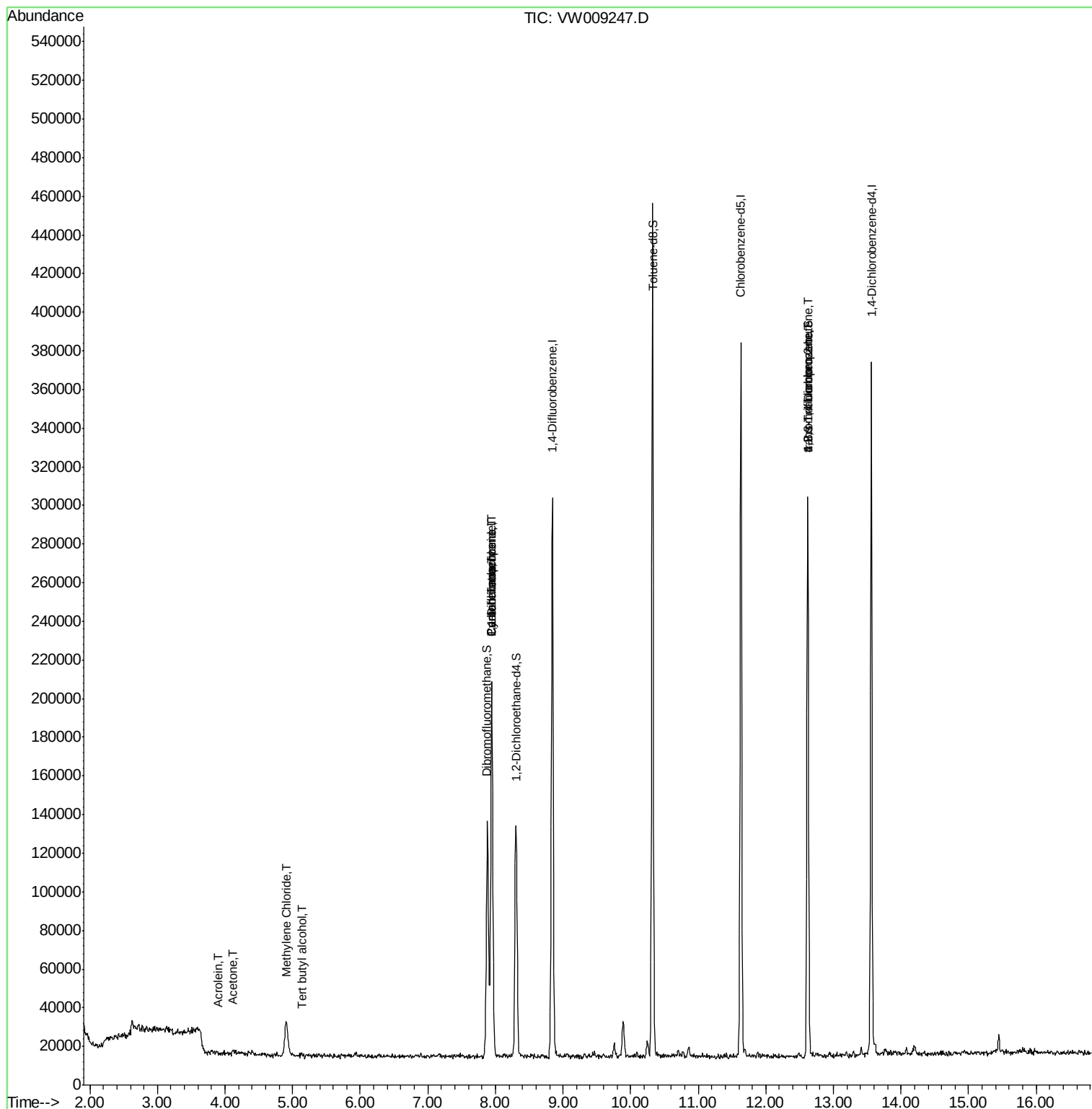
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.04	85	73	Below Cal	#	41
11) Tert butyl alcohol	5.14	59	128	1.444	ug/l #	70
13) Acrolein	3.89	56	113	1.562	ug/l	87
16) Acetone	4.12	43	2755	8.797	ug/l #	74
20) Methylene Chloride	4.91	84	13305	7.902	ug/l #	85
31) Cyclohexane	7.94	56	4099	1.637	ug/l #	47
36) 1,1-Dichloropropene	7.94	75	11522	5.150	ug/l #	52
38) Carbon Tetrachloride	7.94	117	14266	6.026	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	46362	57.426	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	46362	140.908	ug/l #	7

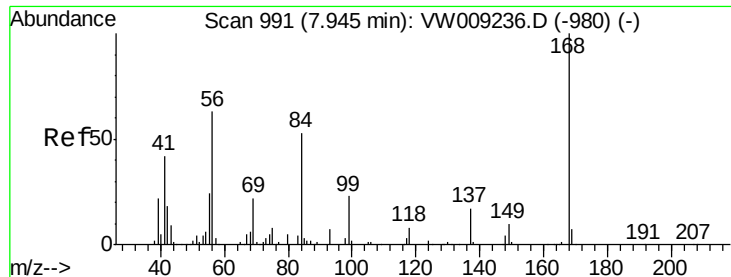
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW009247.D

Acq: 19 Mar 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

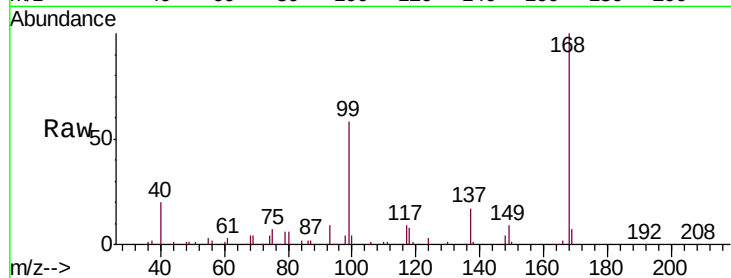
S-8RE

Tgt Ion:168 Resp: 143511

Ion Ratio Lower Upper

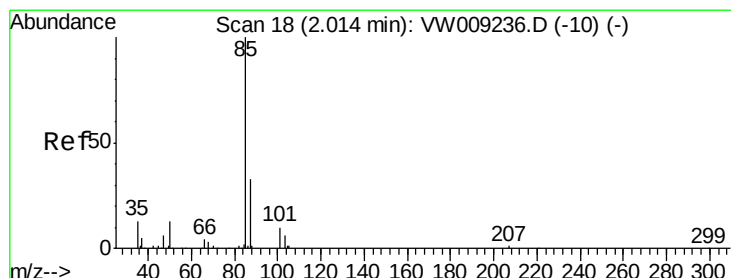
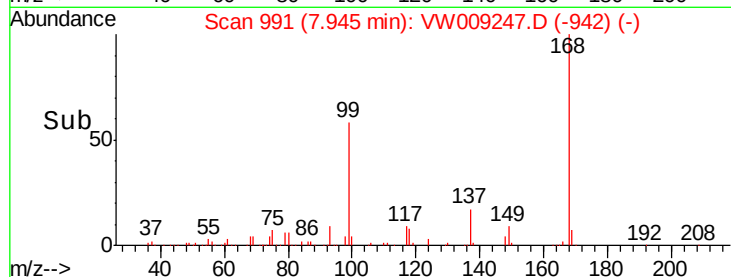
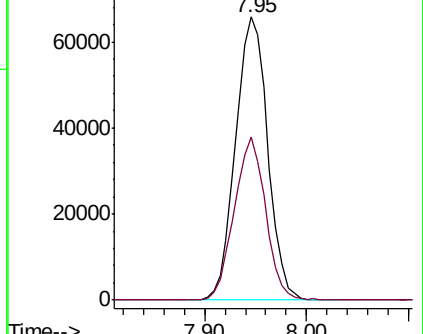
168 100

99 57.7 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.04 min Scan# 23

Delta R.T. 0.03 min

Lab File: VW009247.D

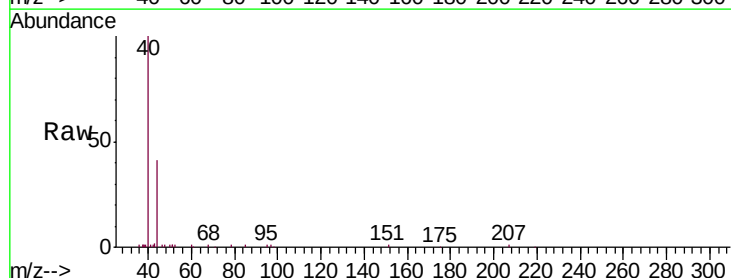
Acq: 19 Mar 2019 17:54

Tgt Ion: 85 Resp: 73

Ion Ratio Lower Upper

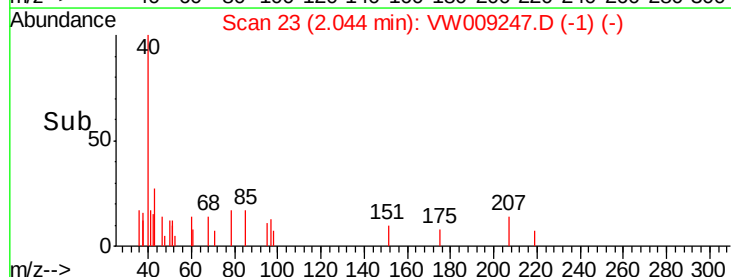
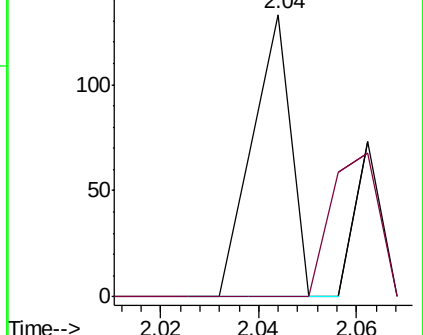
85 100

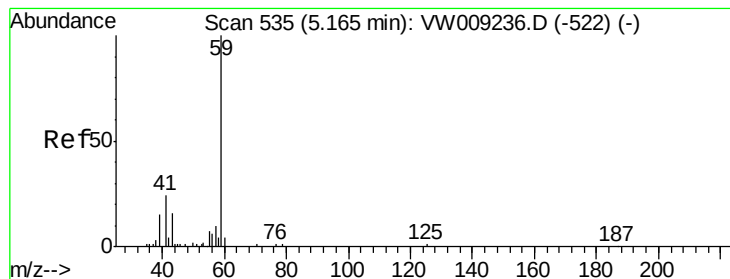
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



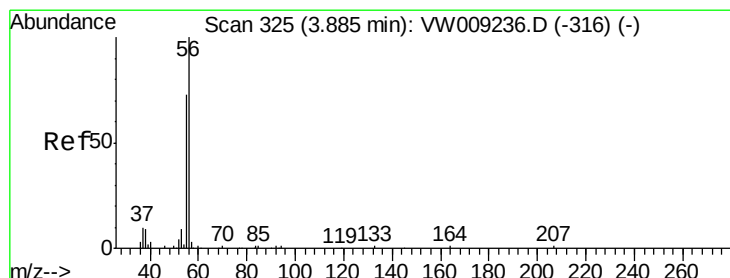
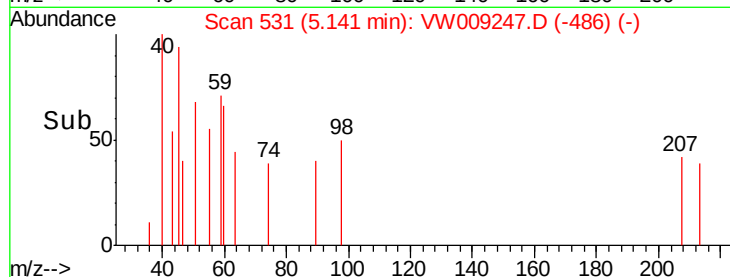
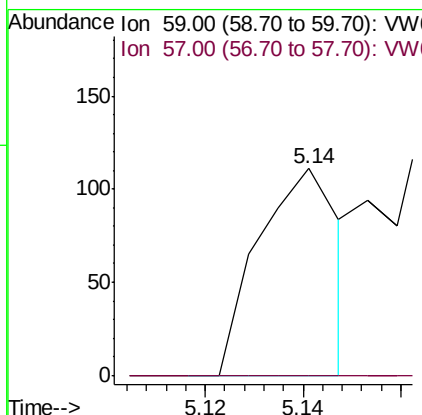
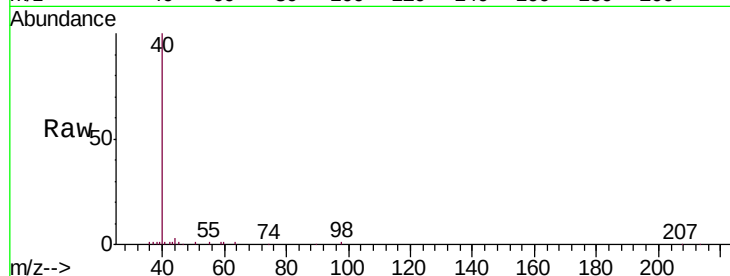


#11

Tert butyl alcohol
 Concen: 1.444 ug/l
 RT: 5.14 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VW009247.D
 Acq: 19 Mar 2019 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 S-8RE

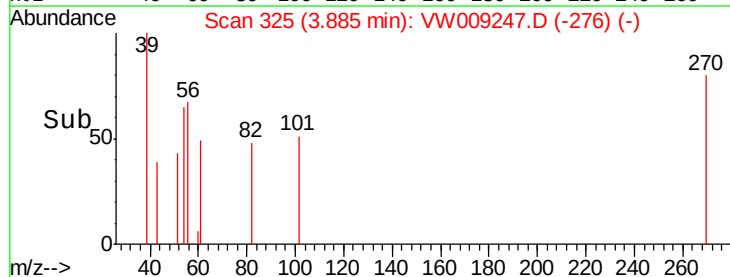
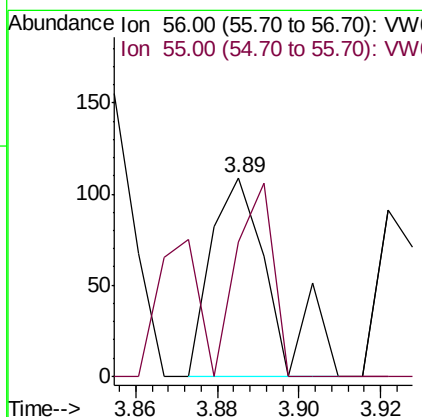
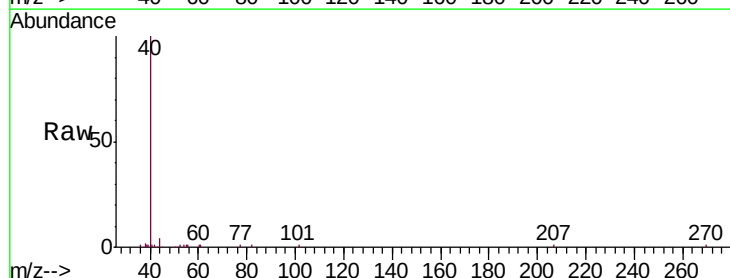
Tgt Ion: 59 Resp: 128
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.4 14.0#

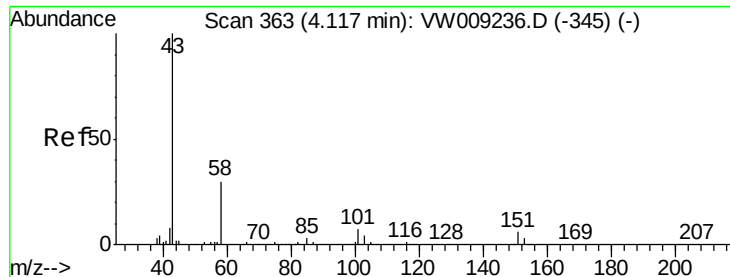


#13

Acrolein
 Concen: 1.562 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VW009247.D
 Acq: 19 Mar 2019 17:54

Tgt Ion: 56 Resp: 113
 Ion Ratio Lower Upper
 56 100
 55 58.4 55.2 82.8

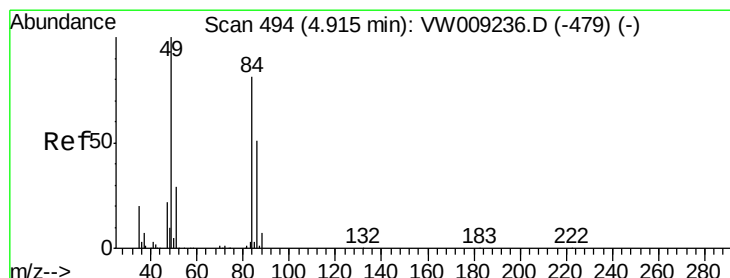
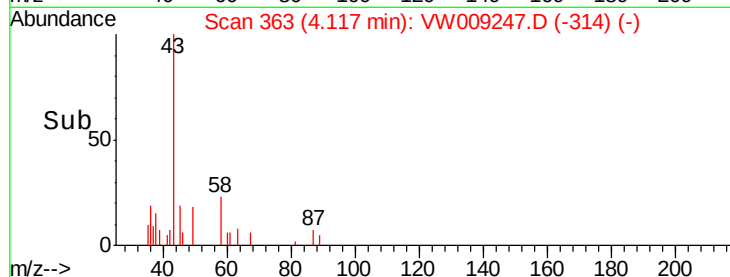
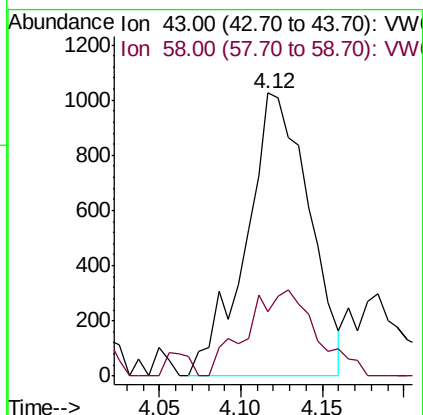
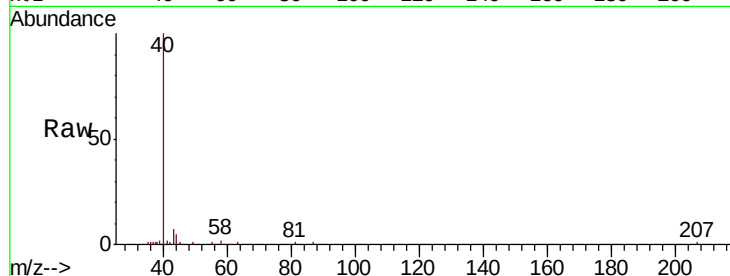




#16
Acetone
Concen: 8.797 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW009247.D
Acq: 19 Mar 2019 17:54

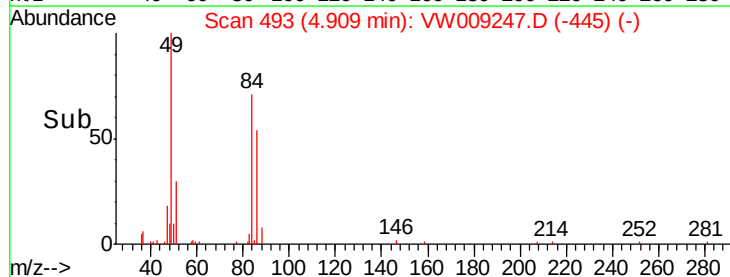
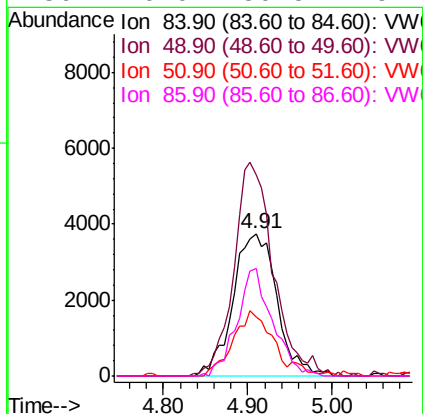
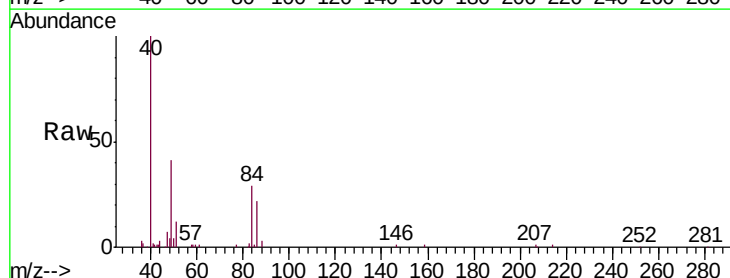
Instrument :
MSVOA_W
ClientSampleId :
S-8RE

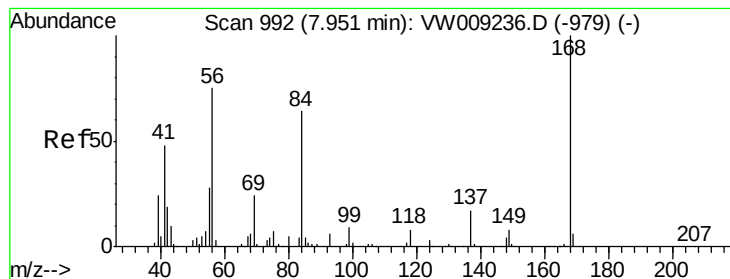
Tgt Ion: 43 Resp: 2755
Ion Ratio Lower Upper
43 100
58 15.5 23.6 35.4#



#20
Methylene Chloride
Concen: 7.902 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009247.D
Acq: 19 Mar 2019 17:54

Tgt Ion: 84 Resp: 13305
Ion Ratio Lower Upper
84 100
49 140.9 99.1 148.7
51 41.7 28.7 43.1
86 76.0 50.5 75.7#





#31

Cyclohexane

Concen: 1.637 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

S-8RE

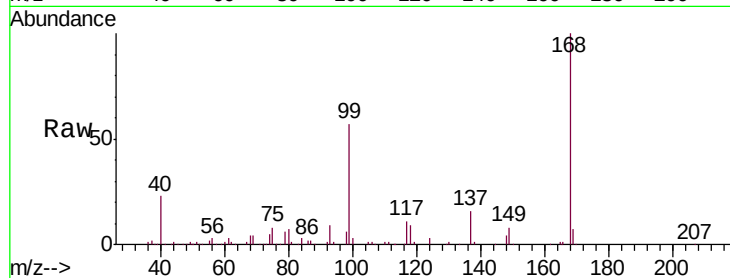
Tgt Ion: 56 Resp: 4099

Ion Ratio Lower Upper

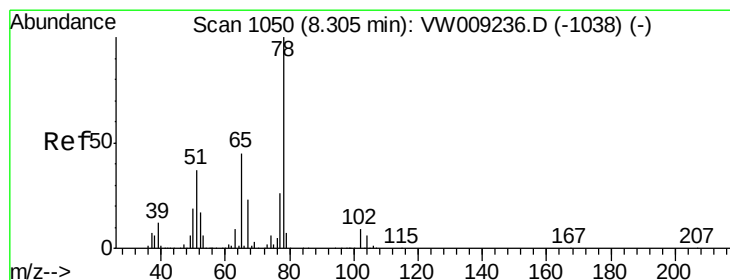
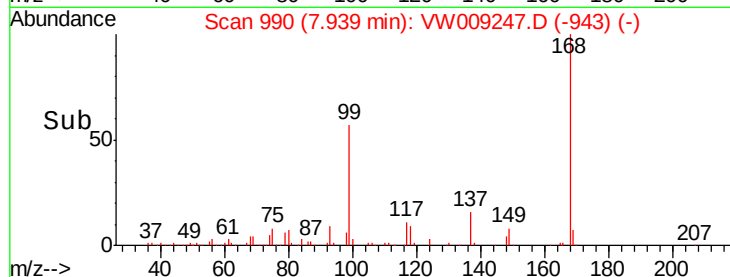
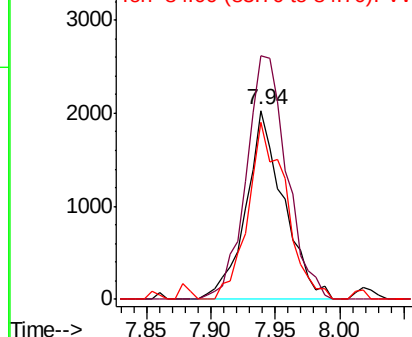
56 100

69 129.0 26.1 39.1#

84 93.7 68.6 103.0



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: 62.775 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009247.D

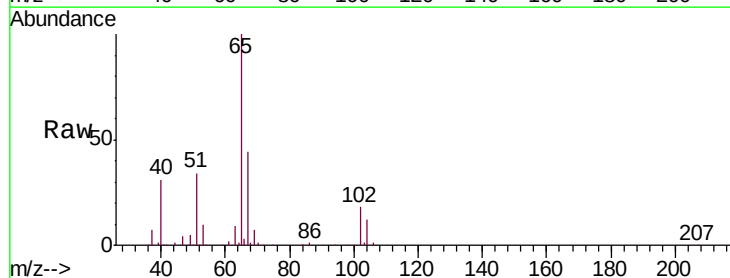
Acq: 19 Mar 2019 17:54

Tgt Ion: 65 Resp: 95826

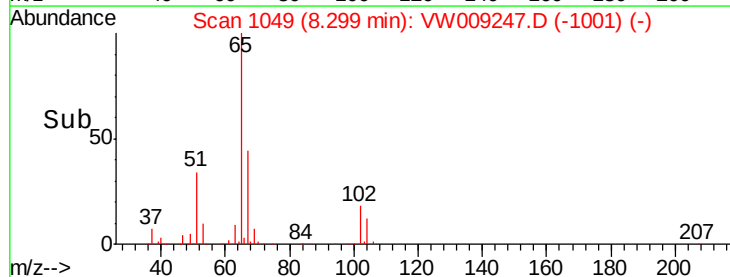
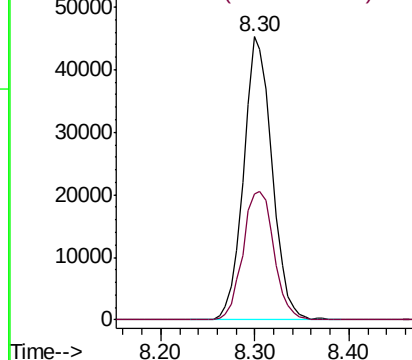
Ion Ratio Lower Upper

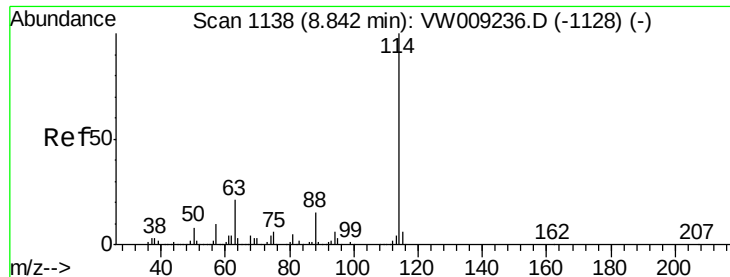
65 100

67 49.4 0.0 102.4



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

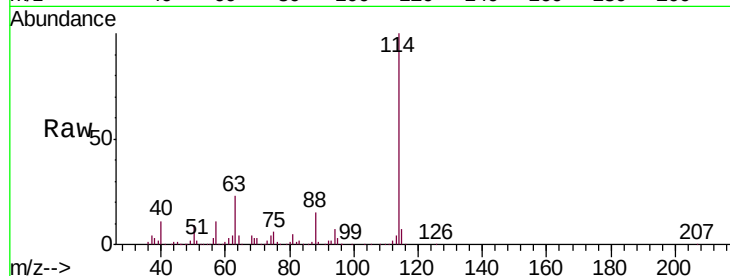




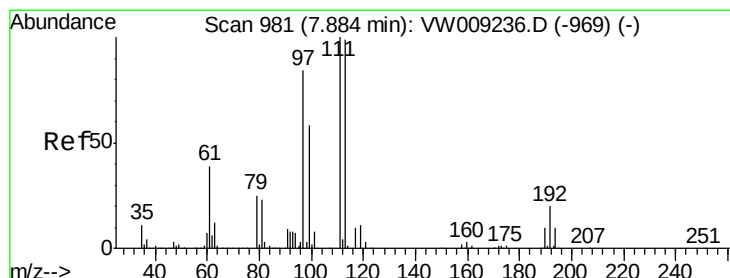
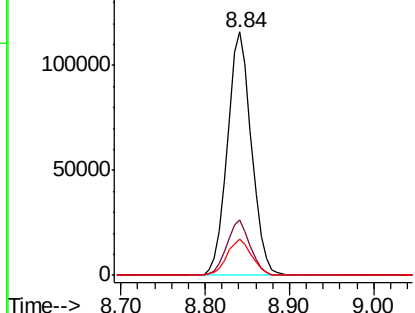
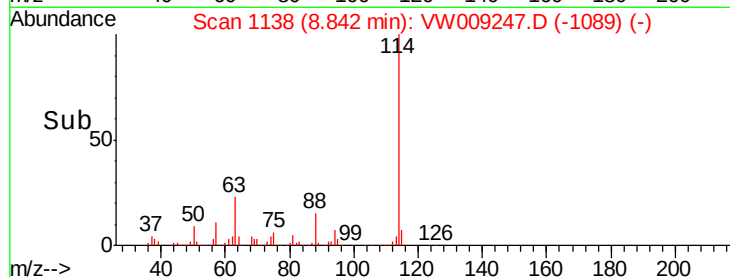
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009247.D
 Acq: 19 Mar 2019 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 S-8RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	42.2
88	15.1	0.0	30.8

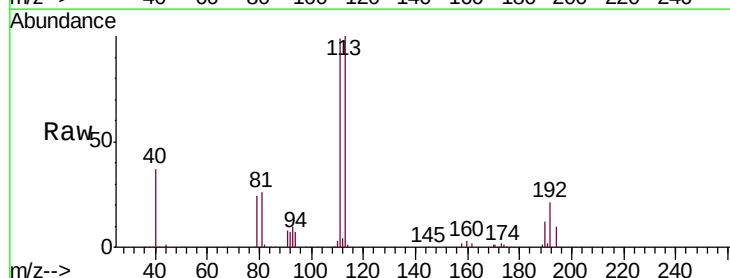


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

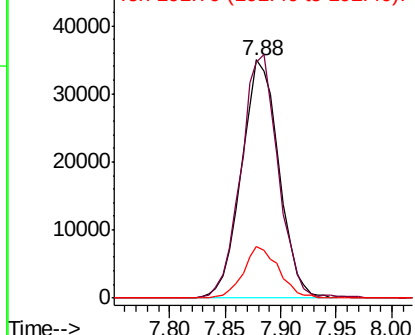
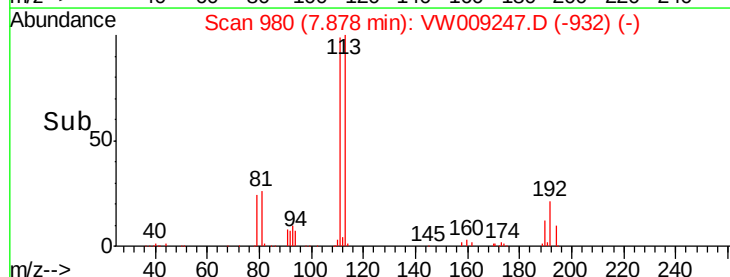


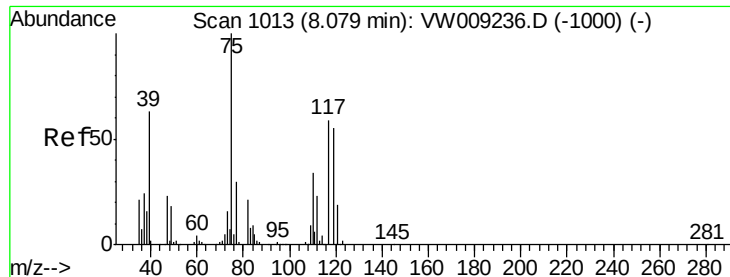
#35
 Dibromofluoromethane
 Concen: 57.444 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW009247.D
 Acq: 19 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	124.0
192	20.4	16.4	24.6



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: 5.150 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

S-8RE

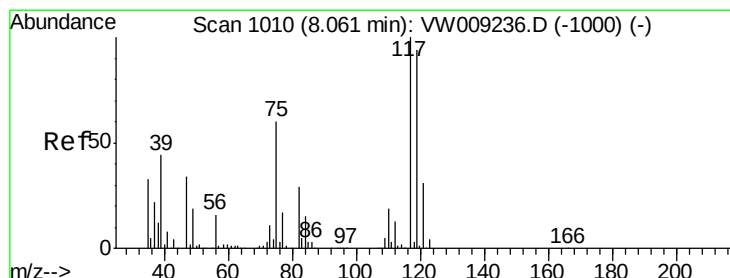
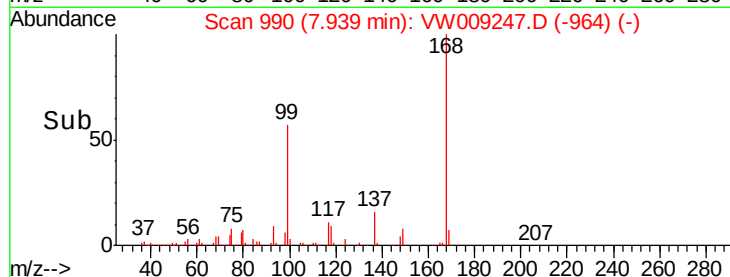
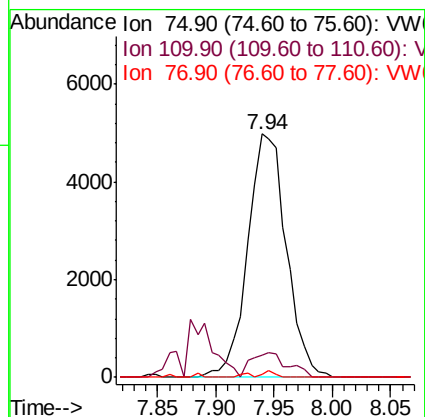
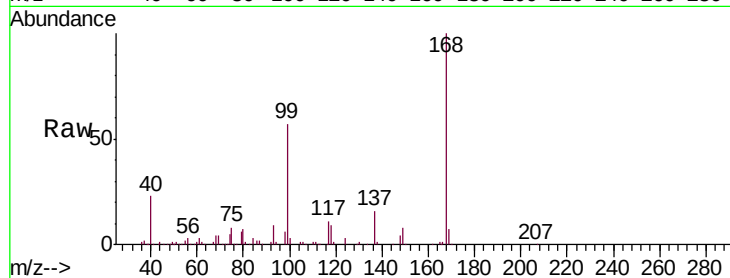
Tgt Ion: 75 Resp: 11522

Ion Ratio Lower Upper

75 100

110 9.6 16.8 50.4#

77 0.8 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.026 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.12 min

Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

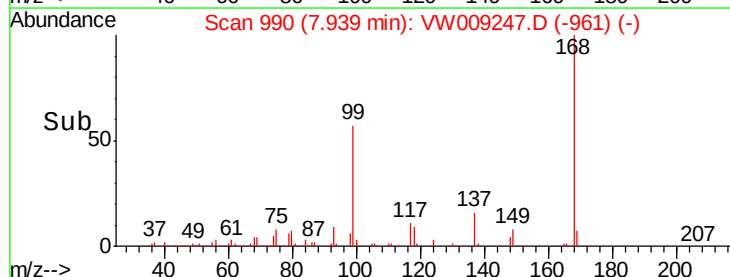
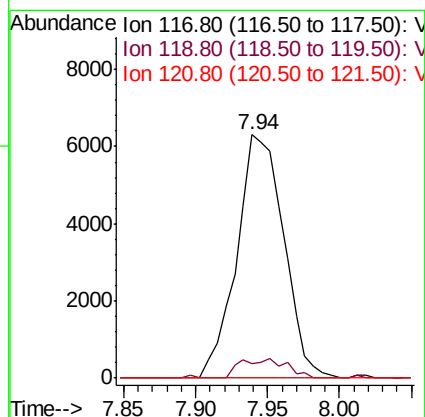
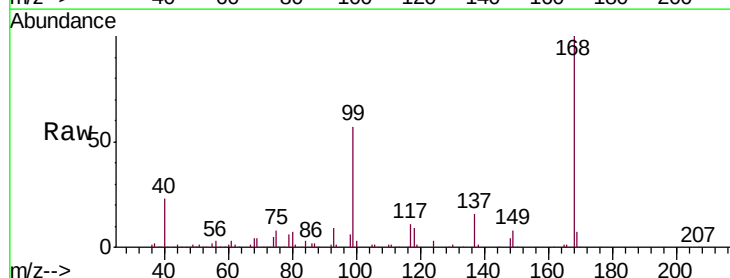
Tgt Ion: 117 Resp: 14266

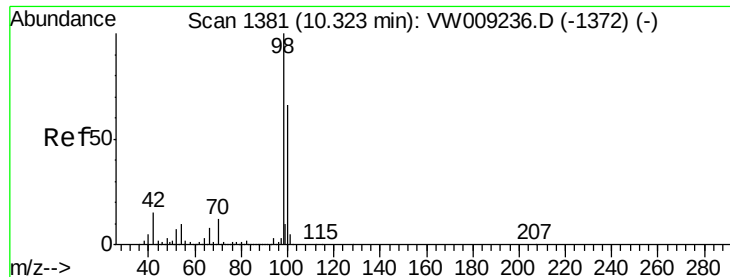
Ion Ratio Lower Upper

117 100

119 6.2 75.4 113.0#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 53.141 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

Instrument :

MSVOA_W

ClientSampled :

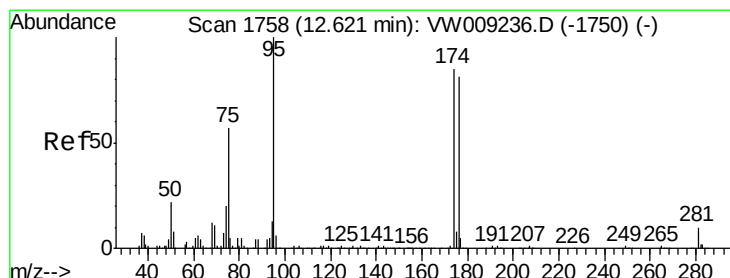
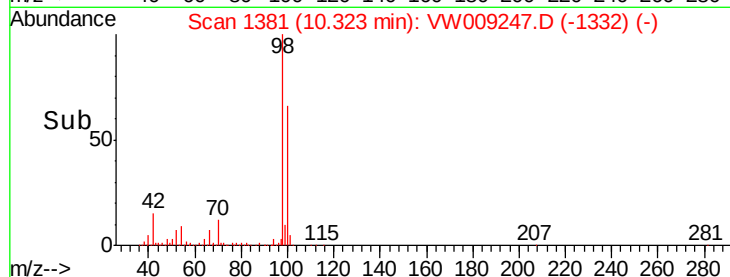
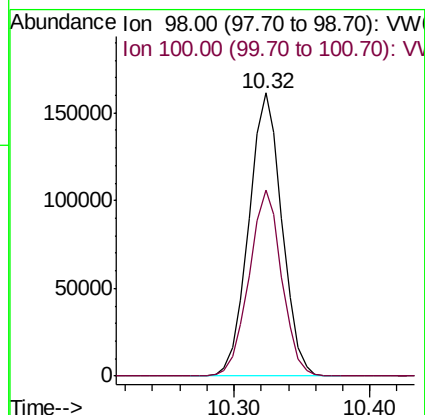
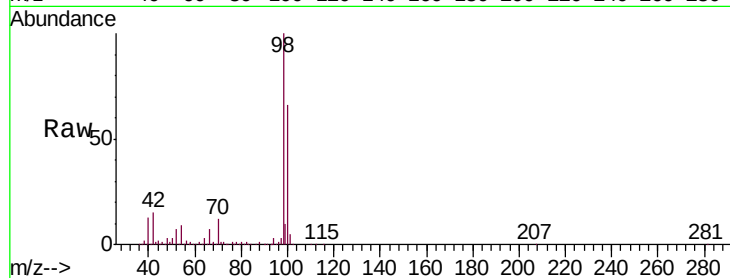
S-8RE

Tgt Ion: 98 Resp: 275398

Ion Ratio Lower Upper

98 100

100 64.8 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 44.748 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

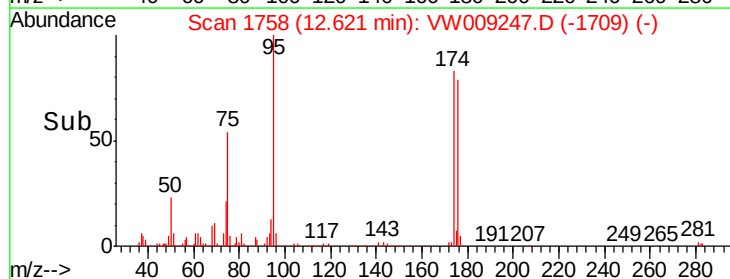
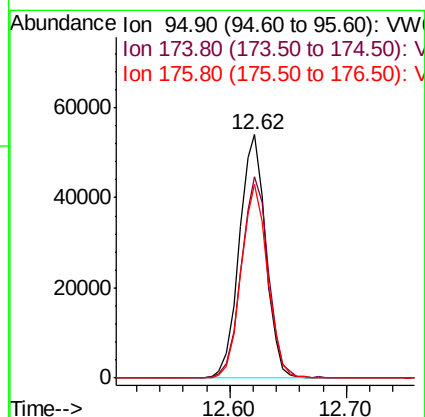
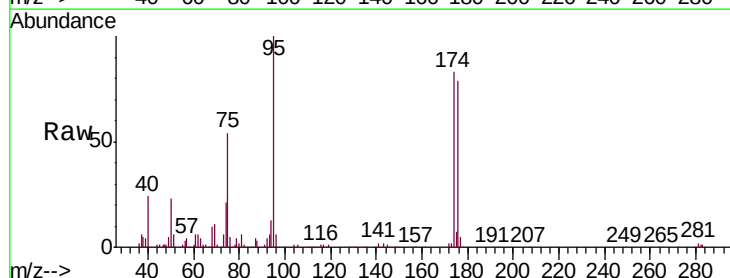
Tgt Ion: 95 Resp: 85147

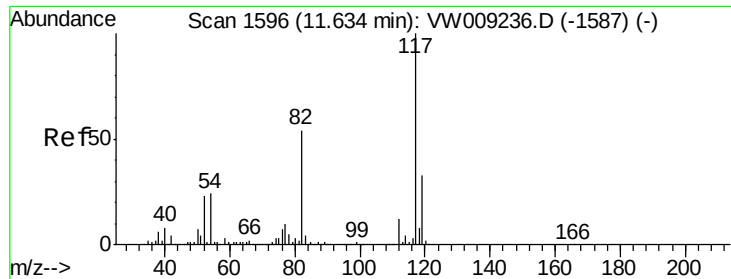
Ion Ratio Lower Upper

95 100

174 84.8 0.0 168.4

176 79.8 0.0 161.6

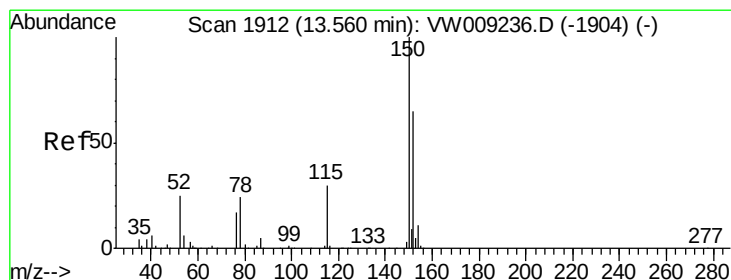
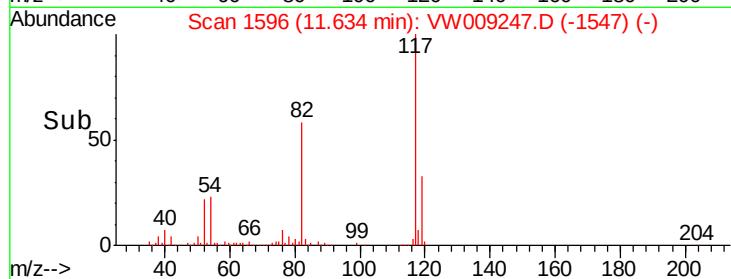
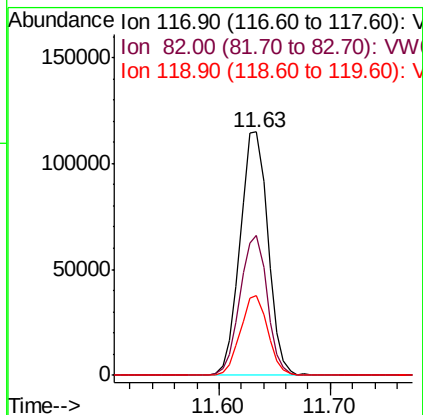
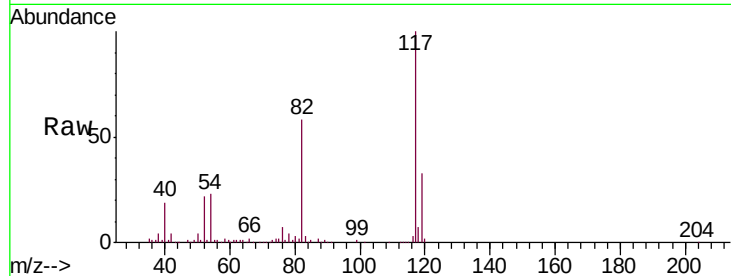




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009247.D
Acq: 19 Mar 2019 17:54

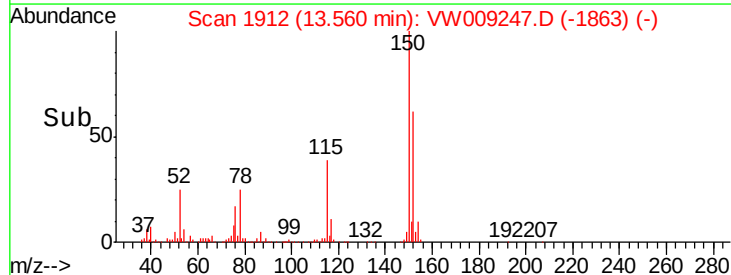
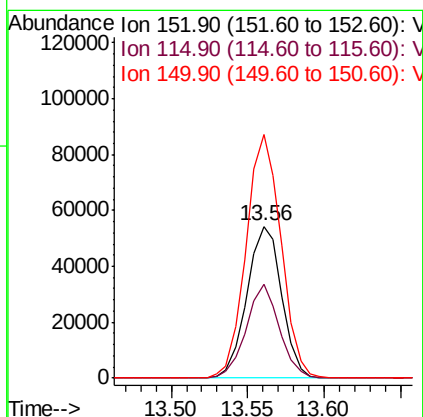
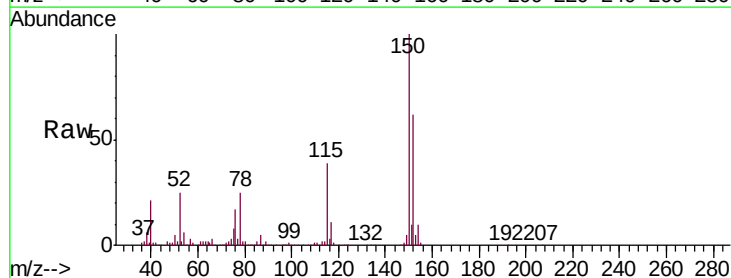
Instrument :
MSVOA_W
ClientSampleId :
S-8RE

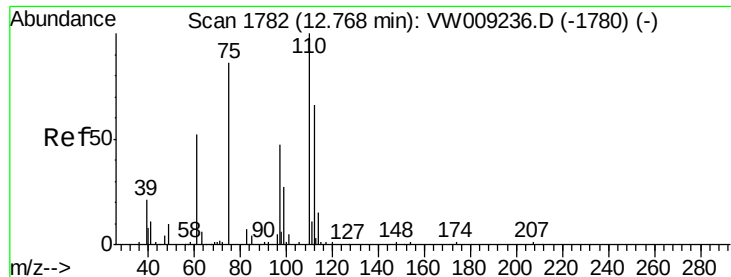
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	43.6	65.4
119	32.7	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009247.D
Acq: 19 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.6	88.8
150	161.2	0.0	349.2





#76

1,2,3-Trichloropropane

Concen: 57.426 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

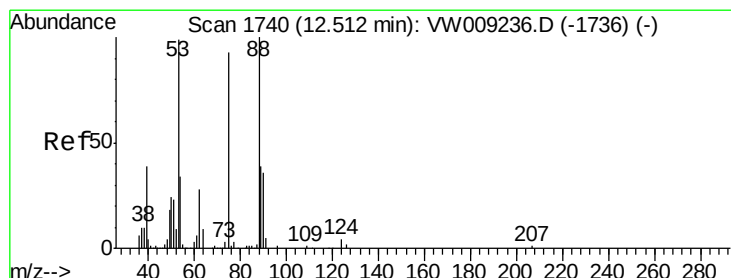
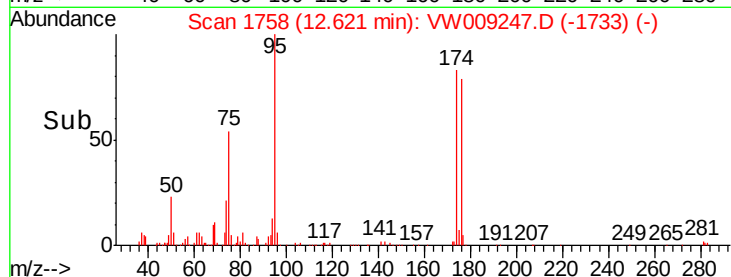
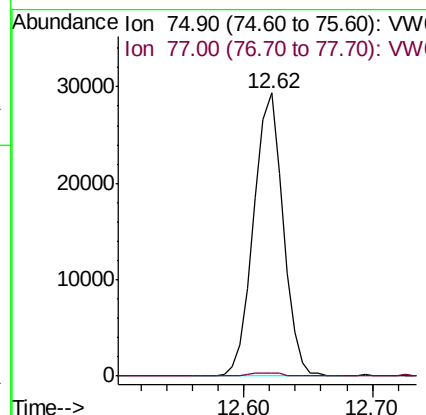
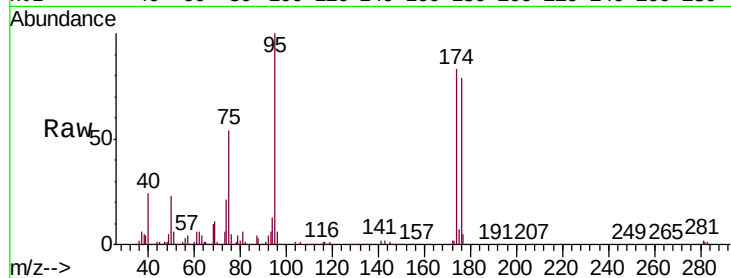
S-8RE

Tgt Ion: 75 Resp: 46362

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.908 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

Tgt Ion: 75 Resp: 46362

Ion Ratio Lower Upper

75 100

53 0.4 86.7 130.1#

89 0.0 36.4 54.6#

