

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011667.D
 Acq On : 03 Aug 2019 15:47
 Operator : SY/VA
 Sample : K4152-07
 Misc : 6.34G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H1-(30)

Quant Time: Aug 04 01:44:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	286326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106775	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	137219	56.97	ug/l	0.00
Spiked Amount			Recovery	=	113.94%	
35) Dibromofluoromethane	7.88	113	107599	54.49	ug/l	0.00
Spiked Amount			Recovery	=	108.98%	
50) Toluene-d8	10.32	98	428460	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.62	95	129169	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	

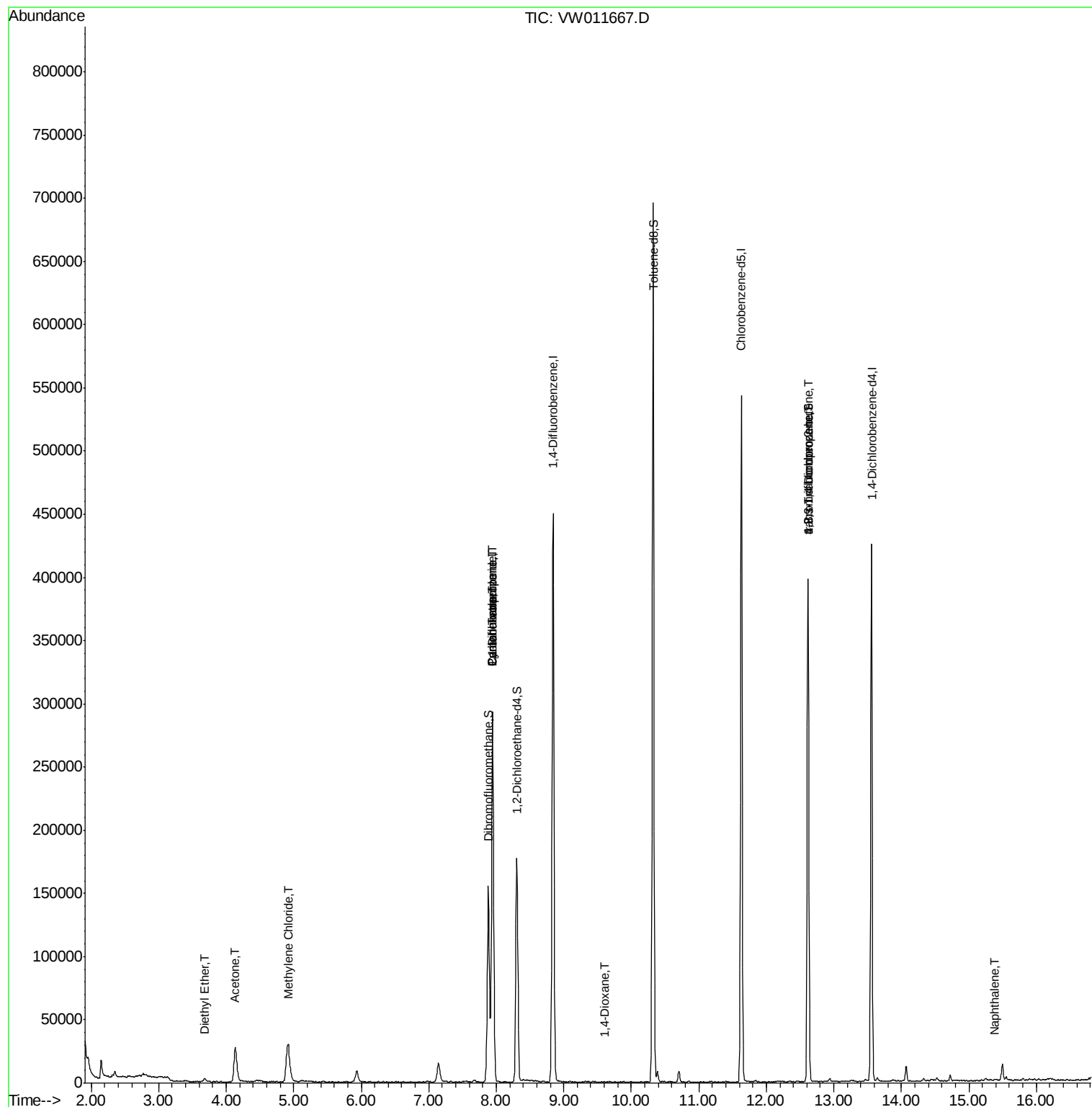
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	1258	1.017	ug/l	57
11) Tert butyl alcohol	5.18	59	170	Below Cal	#	56
16) Acetone	4.14	43	54303	70.876	ug/l	99
20) Methylene Chloride	4.92	84	24135	9.134	ug/l	96
31) Cyclohexane	7.94	56	5498	1.221	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	18221	4.978	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20827	6.647	ug/l #	16
49) 1,4-Dioxane	9.60	88	25	1.379	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	69126	61.184	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69126	141.008	ug/l #	6
95) Naphthalene	15.37	128	420	2.161	ug/l #	76

(#) = 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: VW011667.D

Acq: 03 Aug 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

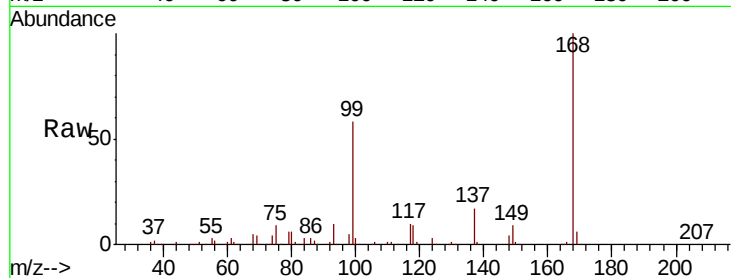
2S-H1-(30)

Tgt Ion:168 Resp: 209757

Ion Ratio Lower Upper

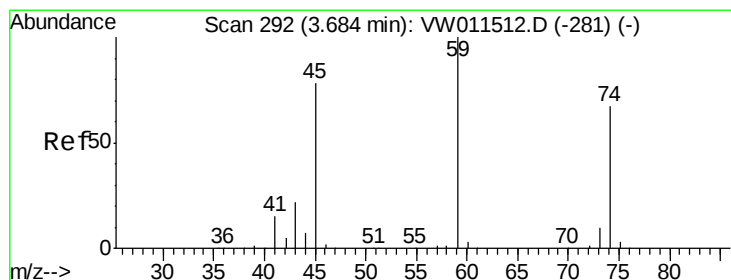
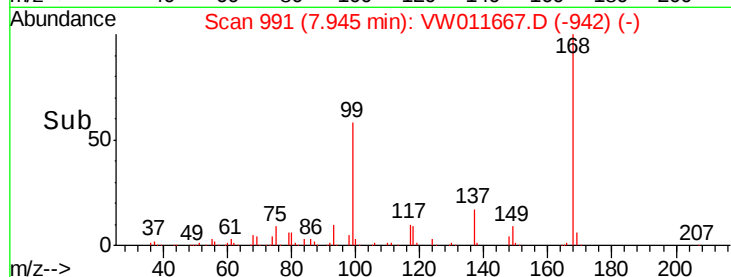
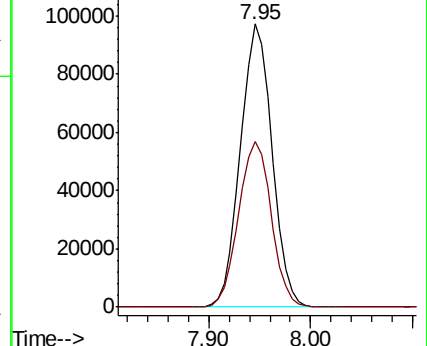
168 100

99 58.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.017 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW011667.D

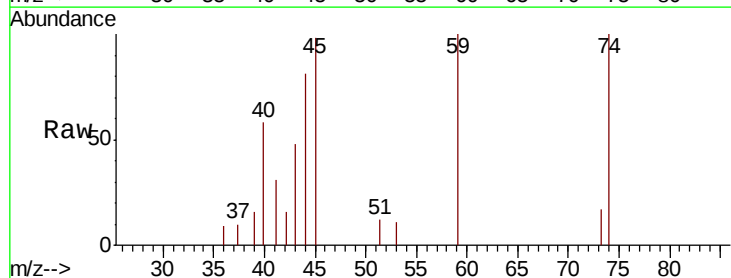
Acq: 03 Aug 2019 15:47

Tgt Ion: 74 Resp: 1258

Ion Ratio Lower Upper

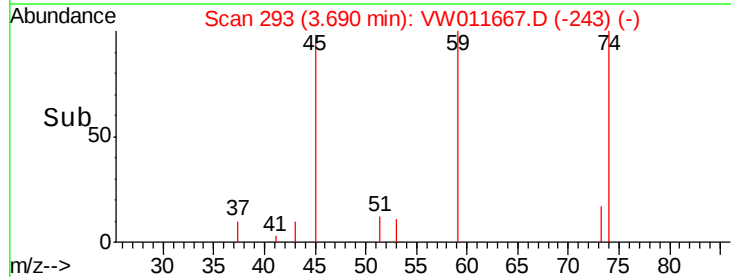
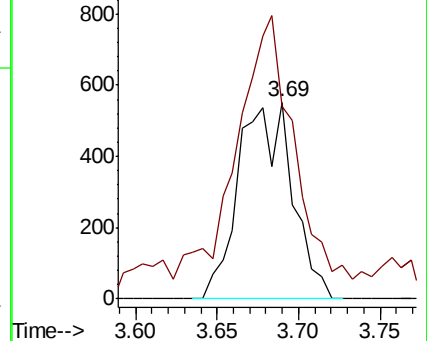
74 100

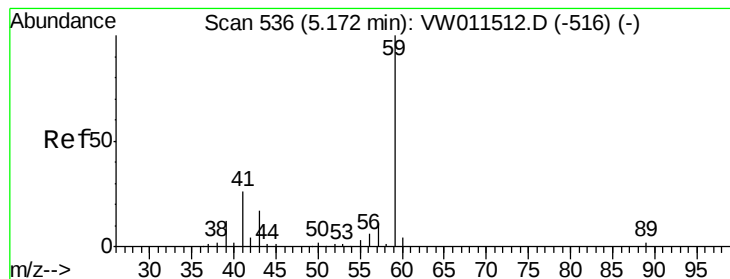
45 166.5 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



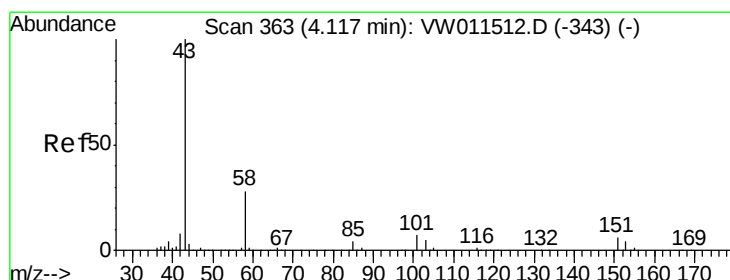
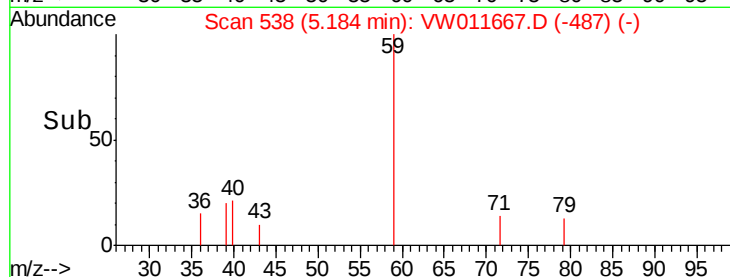
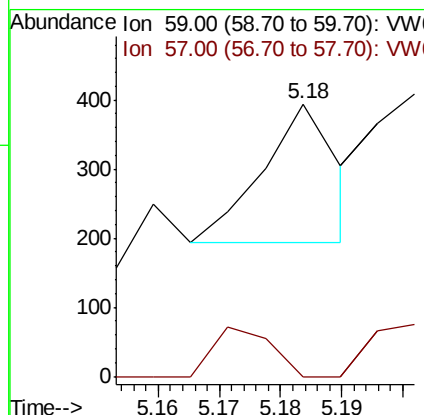
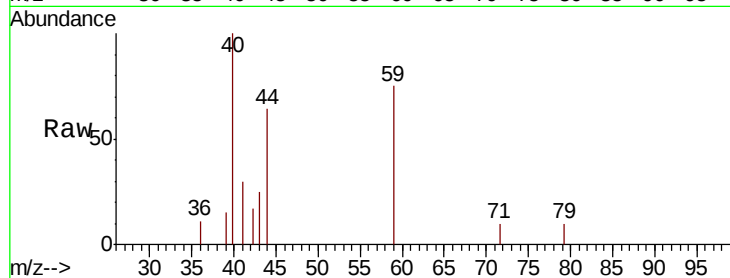


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW011667.D
Acq: 03 Aug 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
2S-H1-(30)

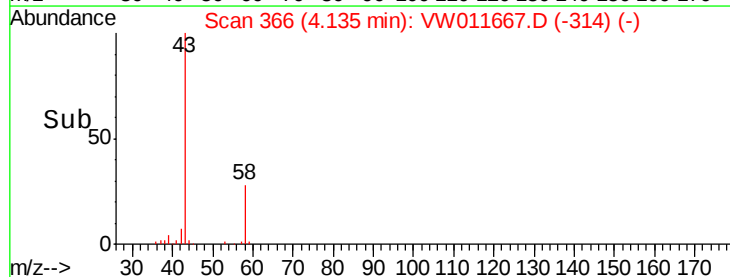
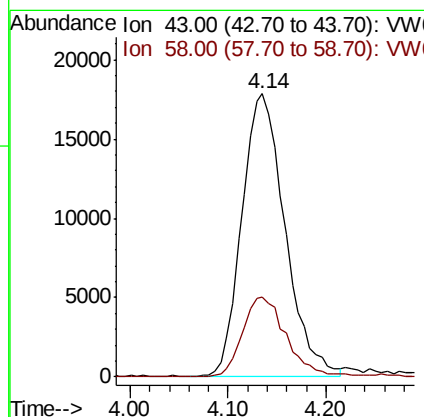
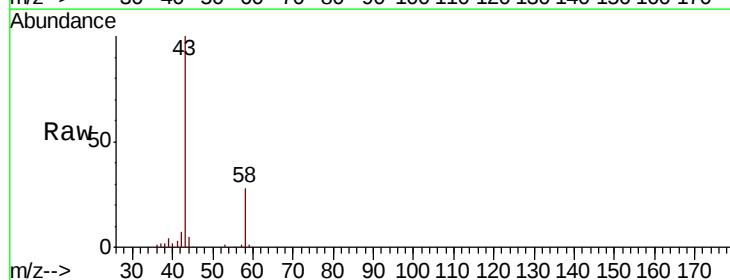
Tgt Ion: 59 Resp: 170
Ion Ratio Lower Upper
59 100
57 27.1 8.5 12.7#

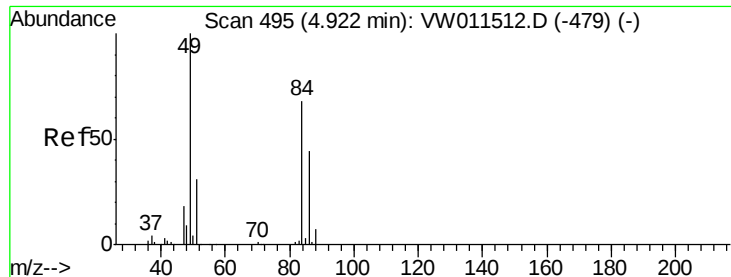


#16

Acetone
Concen: 70.876 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011667.D
Acq: 03 Aug 2019 15:47

Tgt Ion: 43 Resp: 54303
Ion Ratio Lower Upper
43 100
58 28.3 22.3 33.5

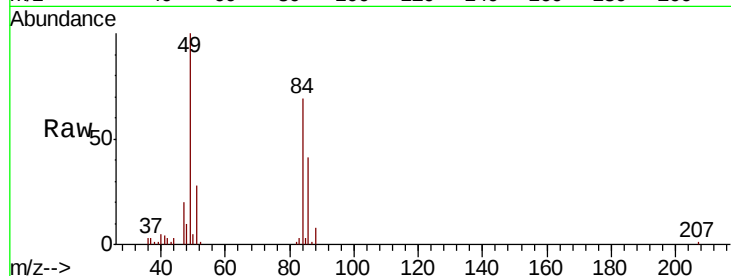




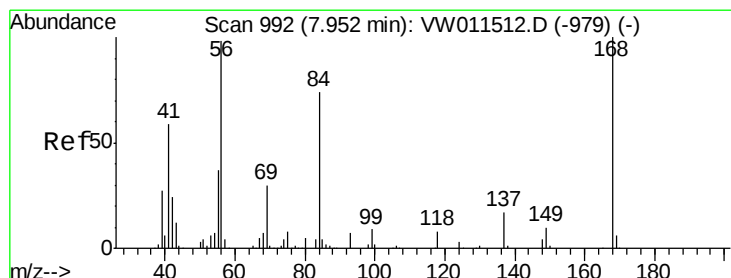
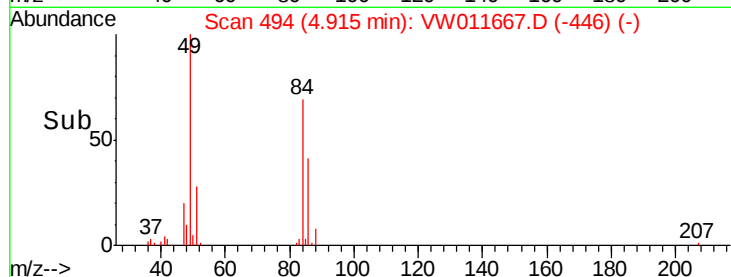
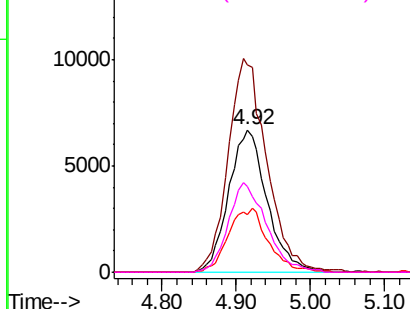
#20
Methylene Chloride
Concen: 9.134 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011667.D
Acq: 03 Aug 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
2S-H1-(30)

Tgt Ion: 84 Resp: 24135
Ion Ratio Lower Upper
84 100
49 145.6 117.8 176.6
51 40.7 37.0 55.4
86 60.4 51.8 77.8

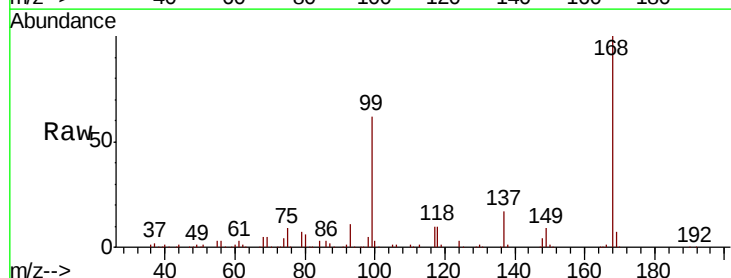


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

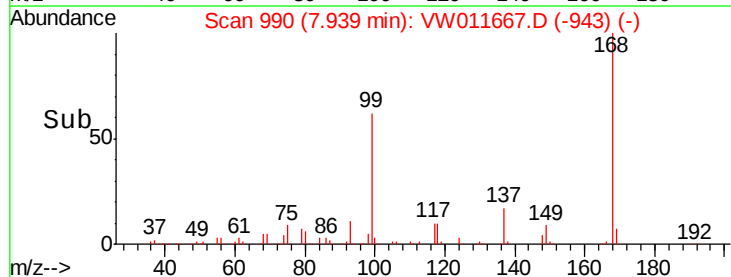
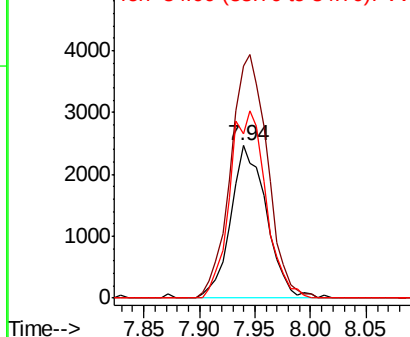


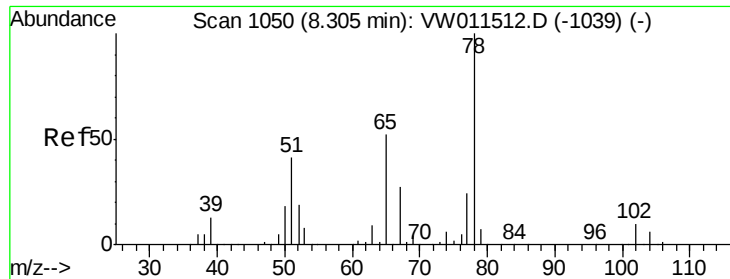
#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011667.D
Acq: 03 Aug 2019 15:47

Tgt Ion: 56 Resp: 5498
Ion Ratio Lower Upper
56 100
69 152.1 24.3 36.5#
84 107.3 60.4 90.6#



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

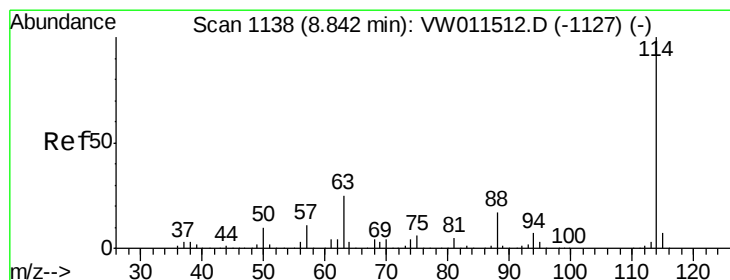
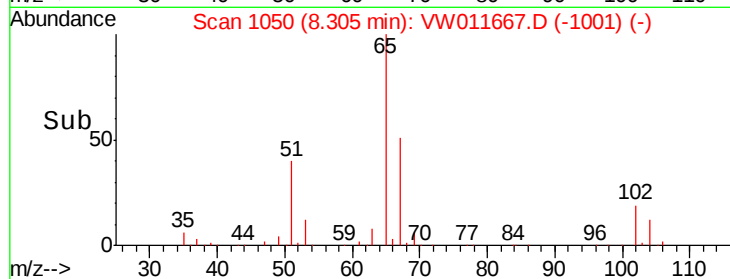
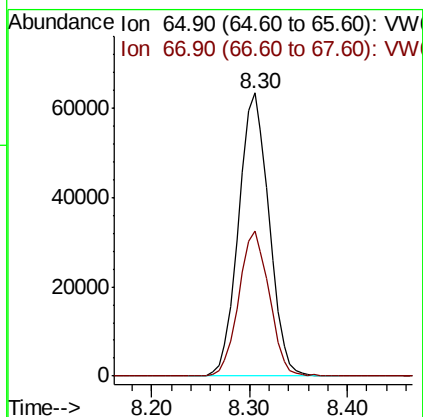
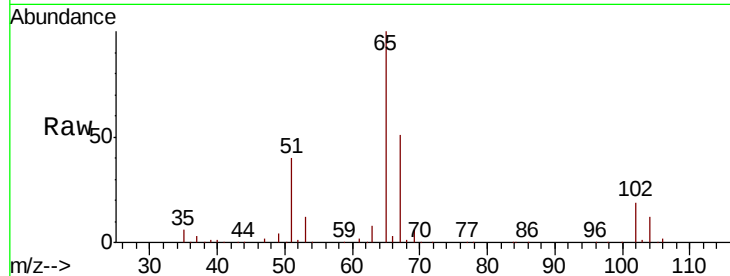




#33
 1,2-Dichloroethane-d4
 Concen: 56.971 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011667.D
 Acq: 03 Aug 2019 15:47

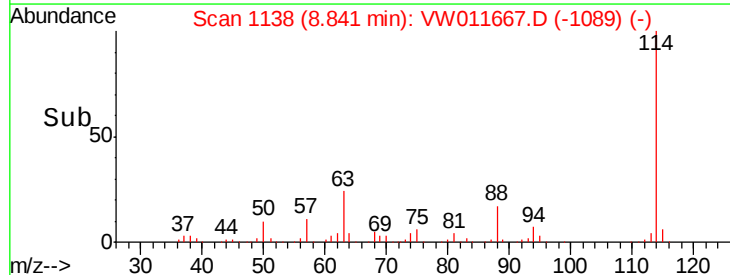
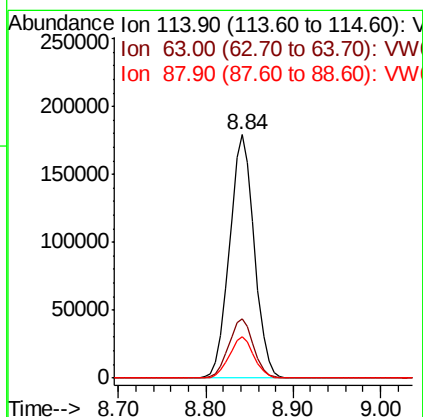
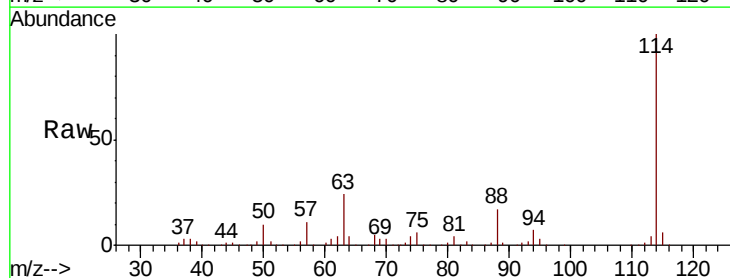
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H1-(30)

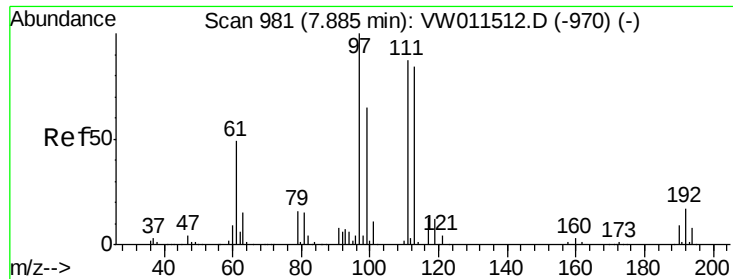
Tgt Ion: 65 Resp: 137219
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011667.D
 Acq: 03 Aug 2019 15:47

Tgt Ion: 114 Resp: 352000
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.487 ug/l

RT: 7.88 min Scan# 981

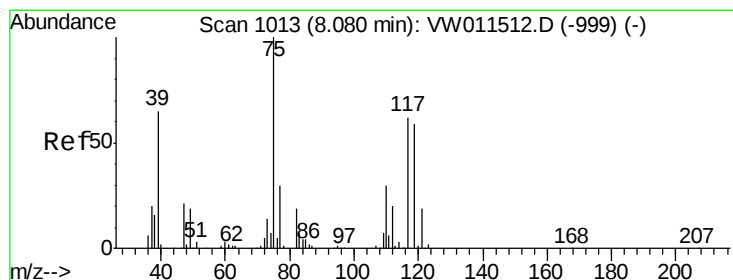
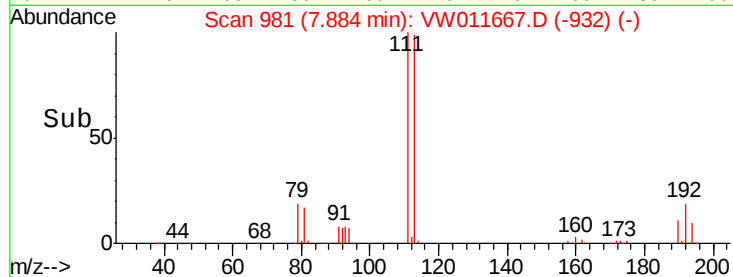
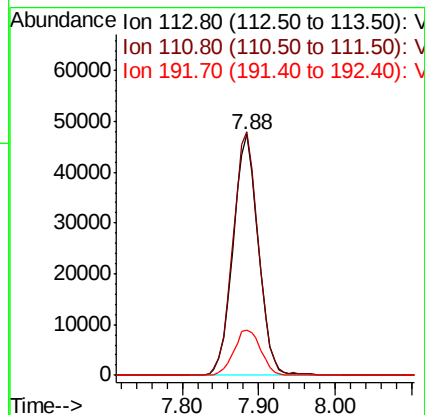
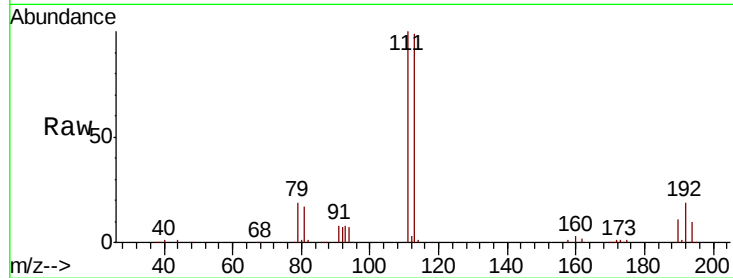
Delta R.T. -0.00 min

Lab File: VW011667.D

Acq: 03 Aug 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
2S-H1-(30)

Tgt Ion:	113	Resp:	107599
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	20.1	16.1	24.1



#36

1,1-Dichloropropene

Concen: 4.978 ug/l

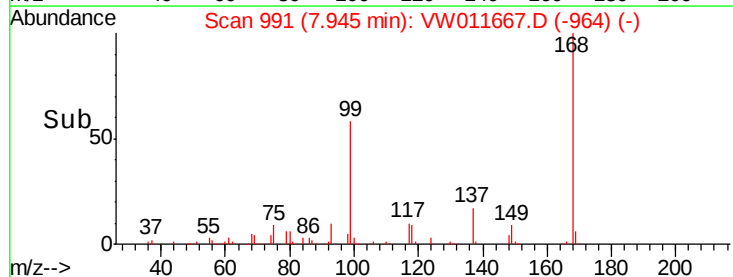
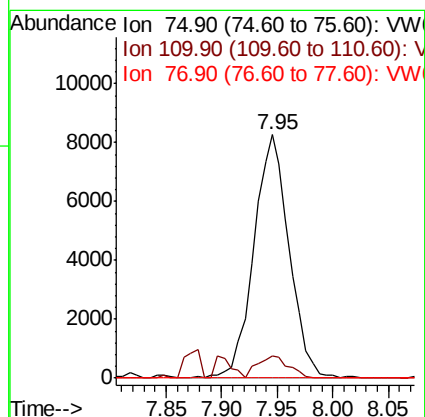
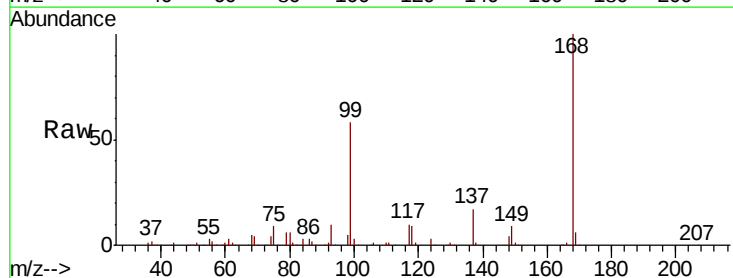
RT: 7.95 min Scan# 991

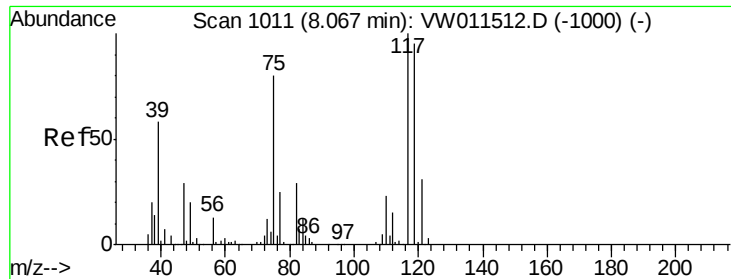
Delta R.T. -0.13 min

Lab File: VW011667.D

Acq: 03 Aug 2019 15:47

Tgt Ion:	75	Resp:	18221
Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.6	46.8#
77	0.0	24.3	36.5#

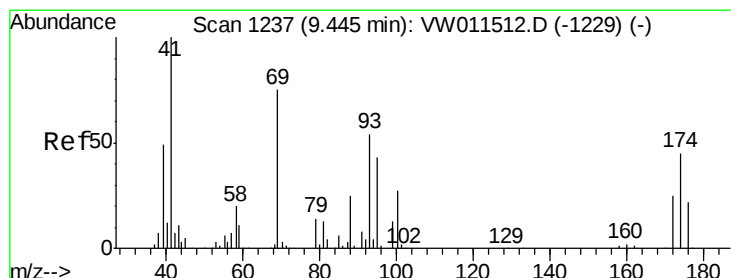
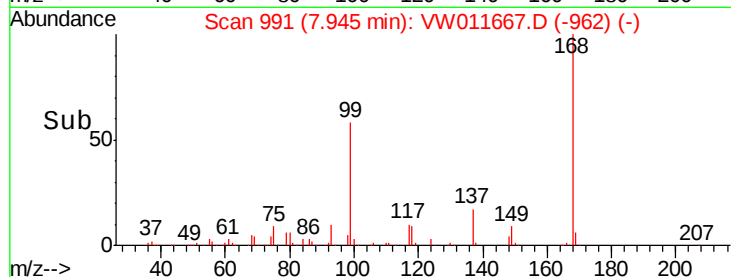
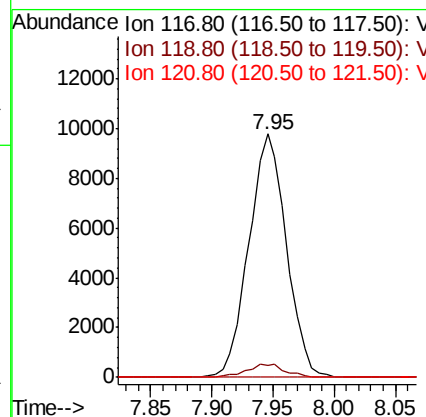
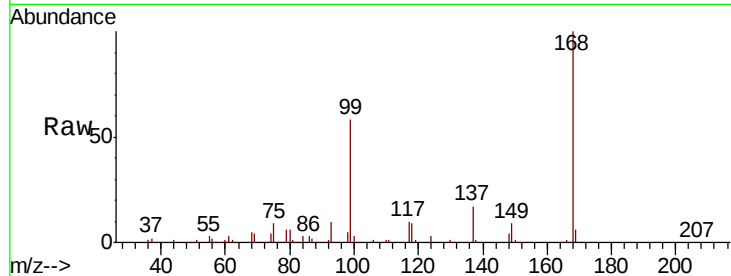




#38
Carbon Tetrachloride
Concen: 6.647 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011667.D
Acq: 03 Aug 2019 15:47

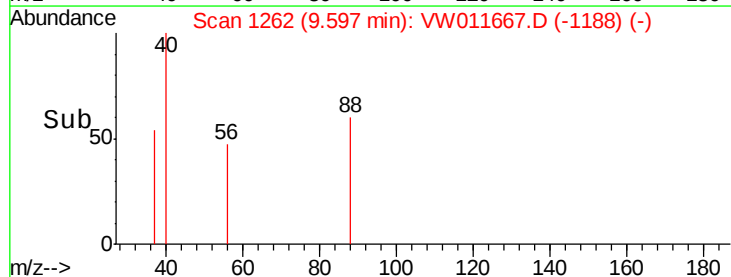
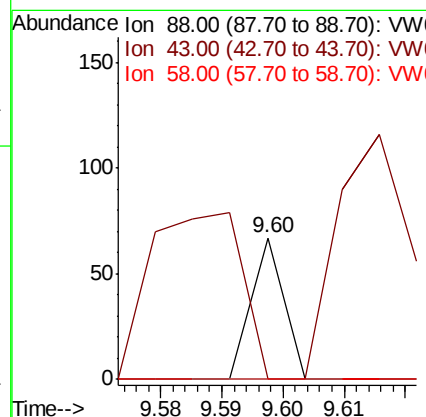
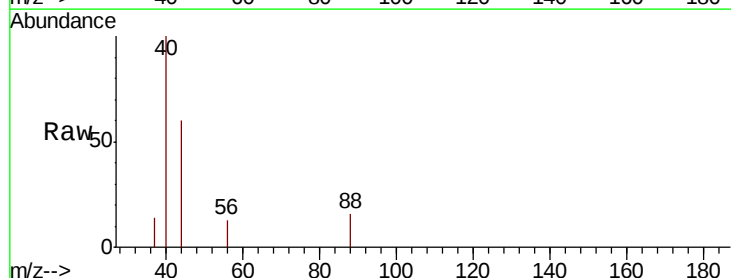
Instrument :
MSVOA_W
ClientSampleId :
2S-H1-(30)

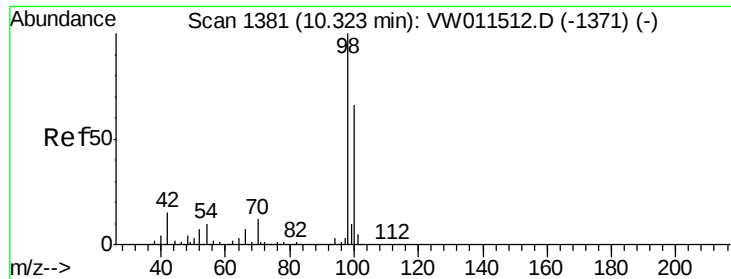
Tgt Ion: 117 Resp: 20827
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 1.379 ug/l
RT: 9.60 min Scan# 1262
Delta R.T. 0.15 min
Lab File: VW011667.D
Acq: 03 Aug 2019 15:47

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 328.0 34.0 51.0#
58 0.0 69.7 104.5#





#50

Toluene-d8

Concen: 52.992 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011667.D

Acq: 03 Aug 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

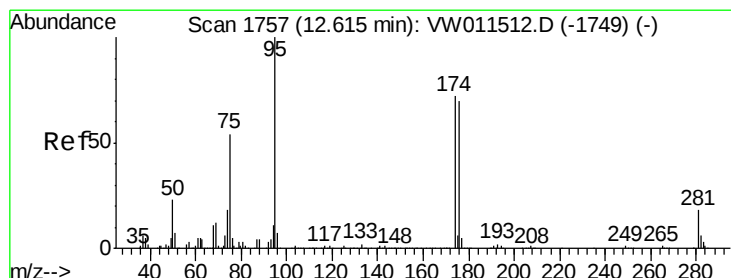
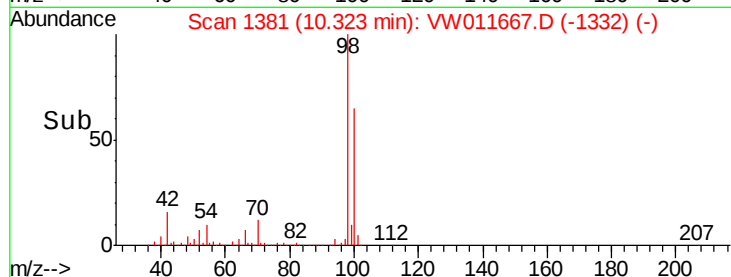
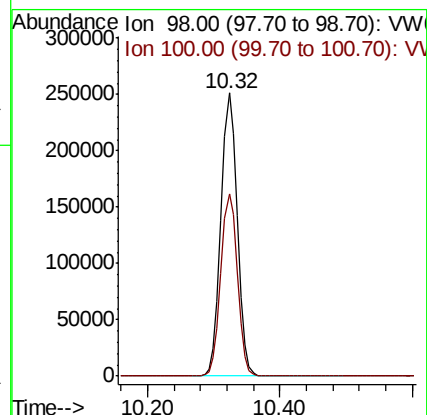
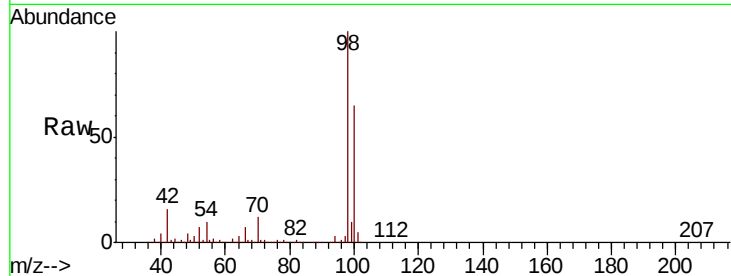
2S-H1-(30)

Tgt Ion: 98 Resp: 428460

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 44.810 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011667.D

Acq: 03 Aug 2019 15:47

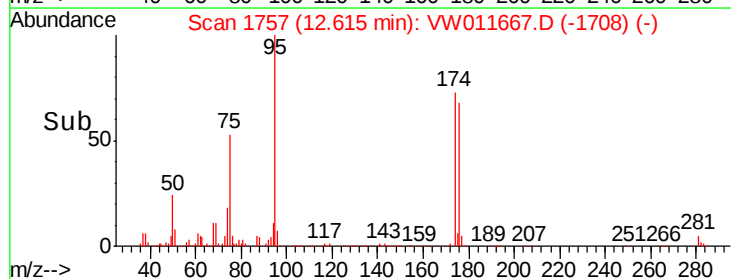
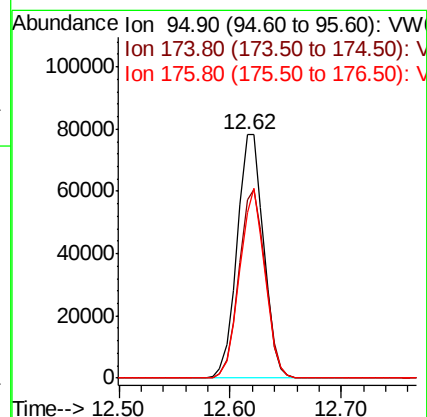
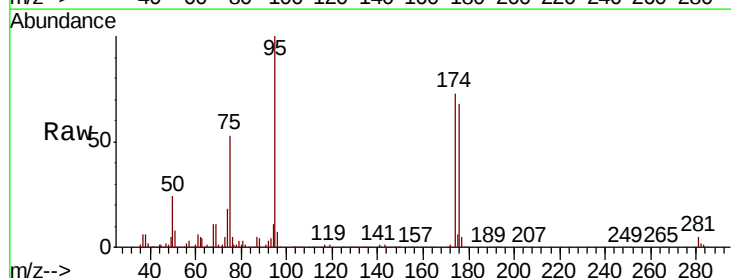
Tgt Ion: 95 Resp: 129169

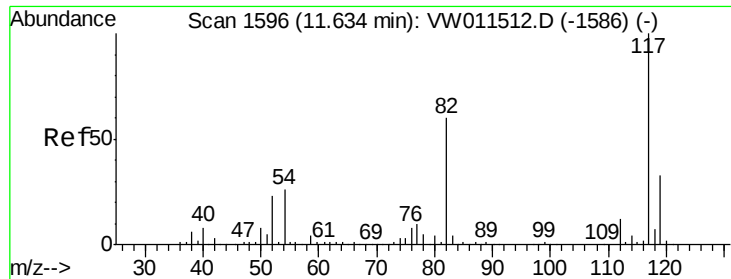
Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.2

176 73.7 0.0 144.4

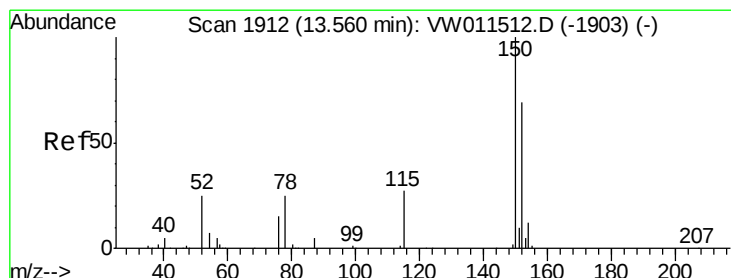
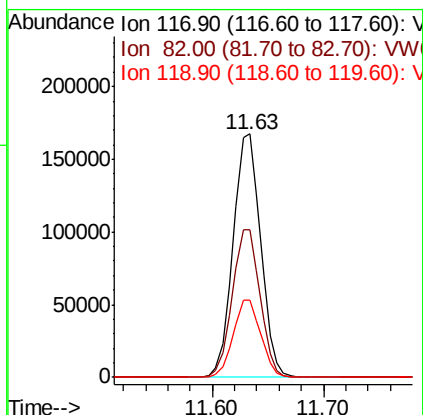
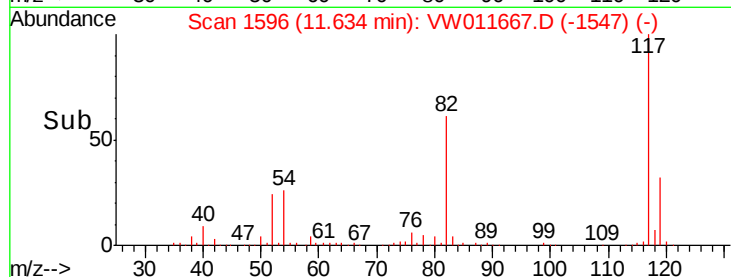
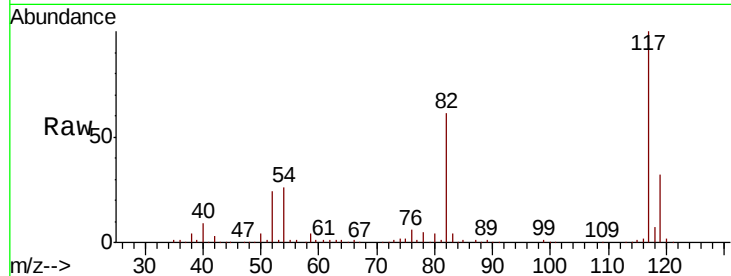




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011667.D
Acq: 03 Aug 2019 15:47

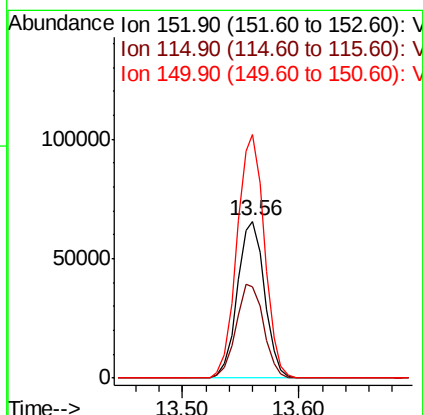
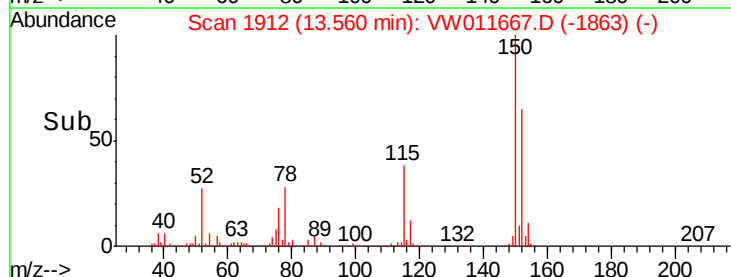
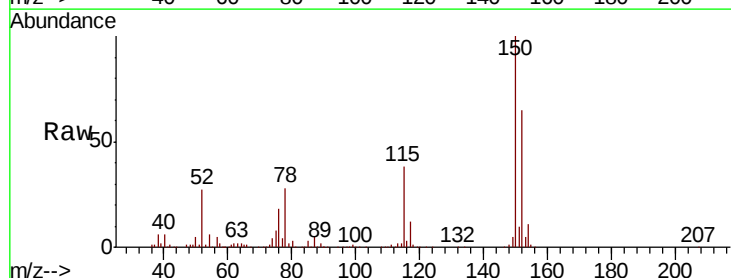
Instrument :
MSVOA_W
ClientSampleId :
2S-H1-(30)

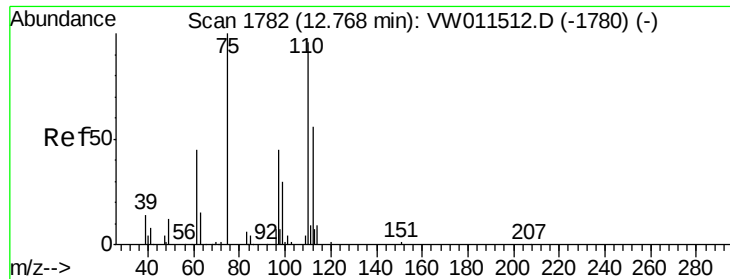
Tgt Ion:117 Resp: 286326
Ion Ratio Lower Upper
117 100
82 60.9 47.9 71.9
119 31.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011667.D
Acq: 03 Aug 2019 15:47

Tgt Ion:152 Resp: 106775
Ion Ratio Lower Upper
152 100
115 60.9 30.5 91.5
150 156.6 0.0 352.6

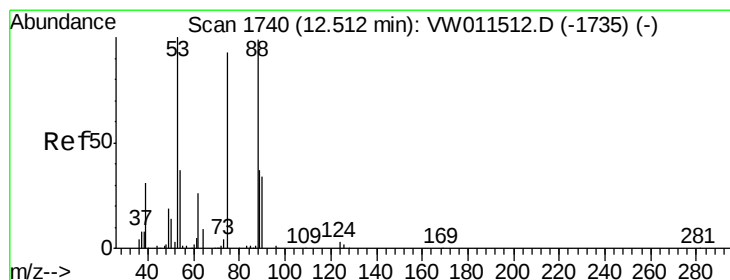
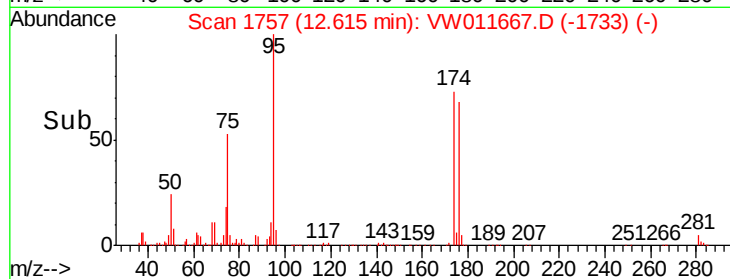
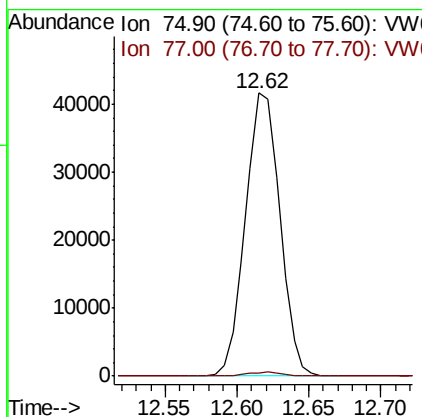
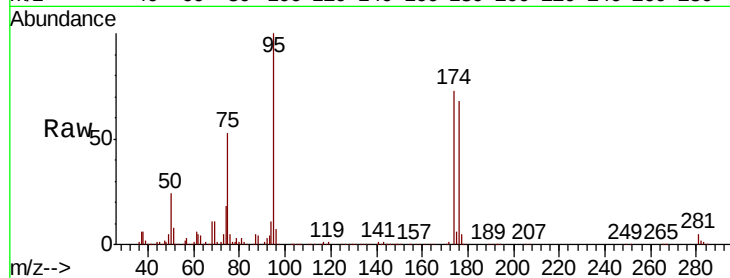




#76
 1,2,3-Trichloropropane
 Concen: 61.184 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011667.D
 Acq: 03 Aug 2019 15:47

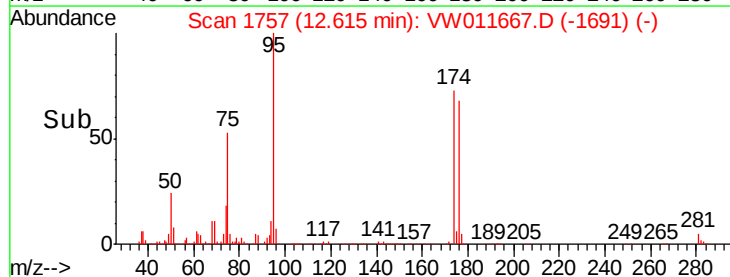
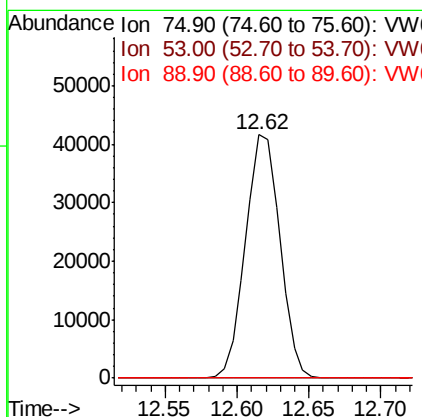
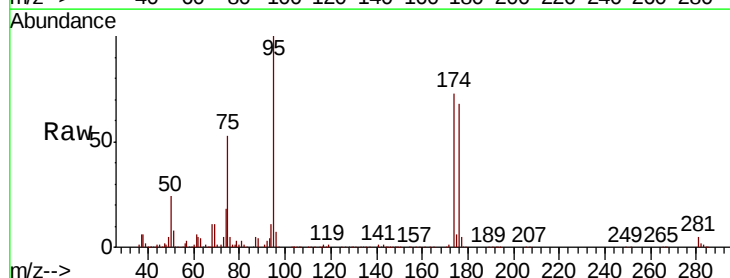
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H1-(30)

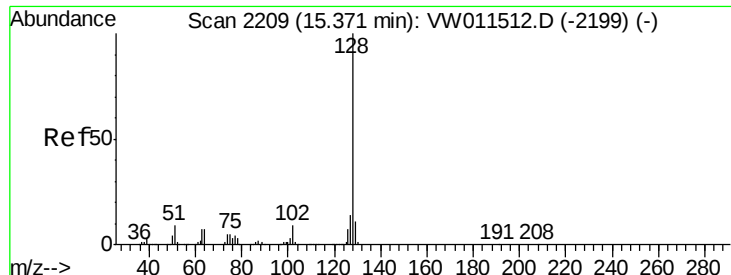
Tgt Ion: 75 Resp: 69126
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.008 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011667.D
 Acq: 03 Aug 2019 15:47

Tgt Ion: 75 Resp: 69126
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.1 35.3 52.9#





#95

Naphthalene

Concen: 2.161 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011667.D

Acq: 03 Aug 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

2S-H1-(30)

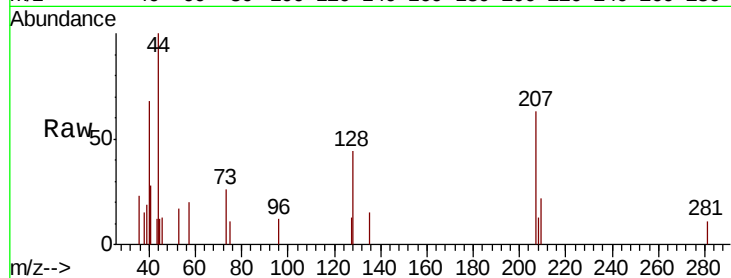
Tgt Ion:128 Resp: 420

Ion Ratio Lower Upper

128 100

127 5.2 10.6 16.0#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

