

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011668.D
 Acq On : 03 Aug 2019 16:13
 Operator : SY/VA
 Sample : K4152-08
 Misc : 5.55G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H2-(30)

Quant Time: Aug 04 01:45:03 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	214711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110999	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	143163	58.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.14%	
35) Dibromofluoromethane	7.88	113	112453	54.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.62%	
50) Toluene-d8	10.32	98	447279	53.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.62	95	135309	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.36%	

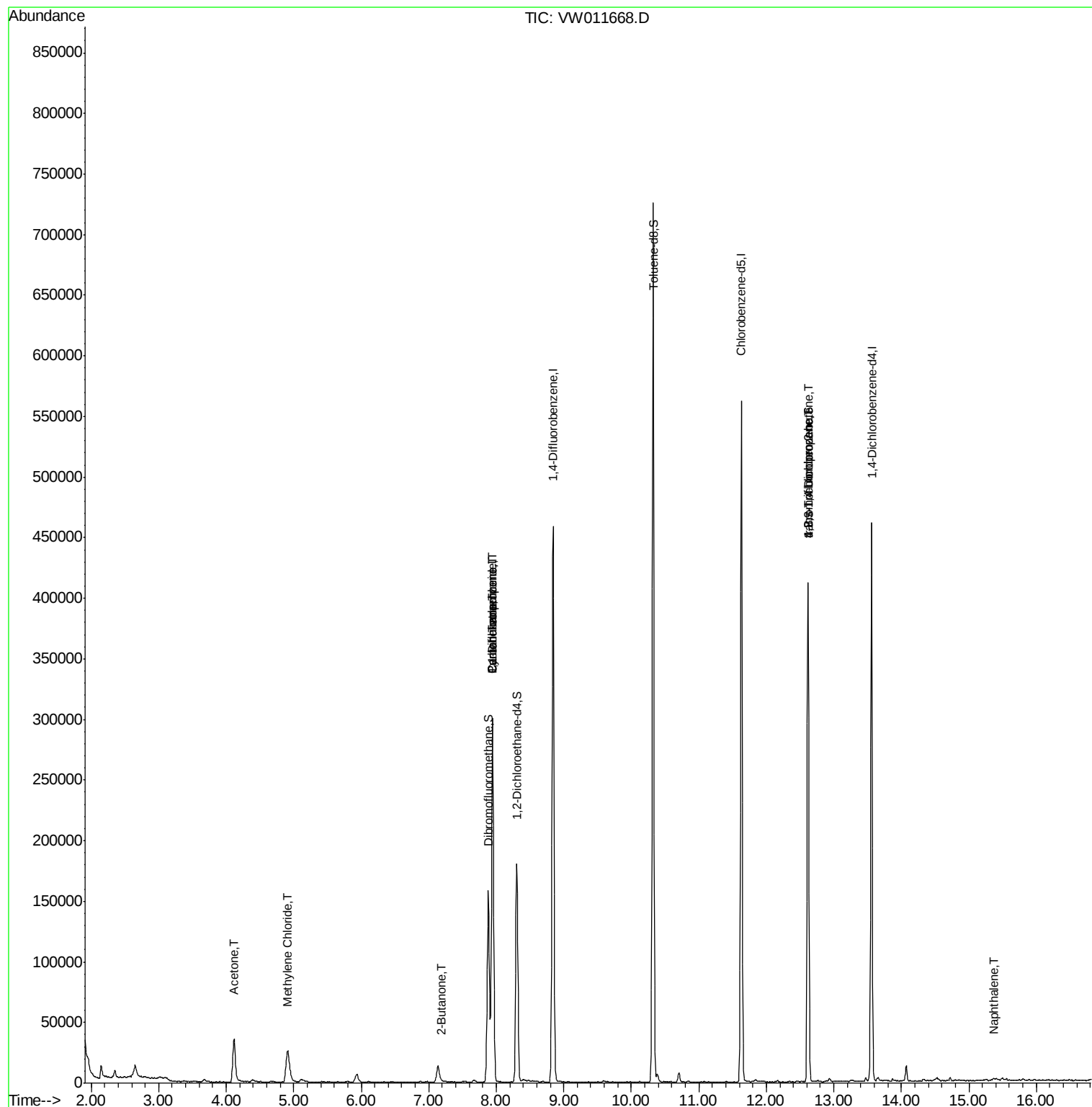
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	1206	Below Cal	#	77
16) Acetone	4.12	43	65206	83.143	ug/l	96
20) Methylene Chloride	4.90	84	20517	7.585	ug/l	90
25) 2-Butanone	7.19	43	1195	1.164	ug/l #	67
31) Cyclohexane	7.95	56	5520	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18740	4.928	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21762	6.685	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	73579	62.647	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73579	144.380	ug/l #	6
95) Naphthalene	15.36	128	1206	2.330	ug/l #	94

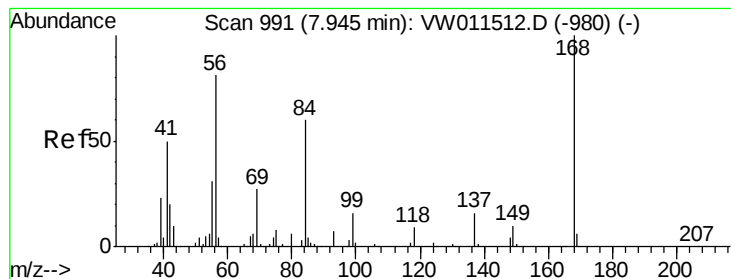
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011668.D

Acq: 03 Aug 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

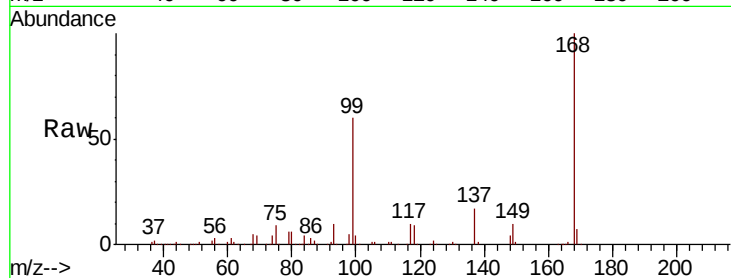
2S-H2-(30)

Tgt Ion: 168 Resp: 214711

Ion Ratio Lower Upper

168 100

99 60.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

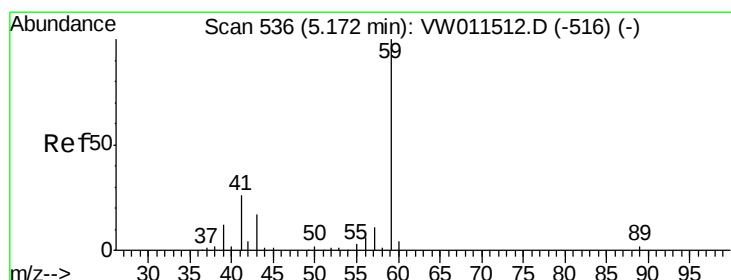
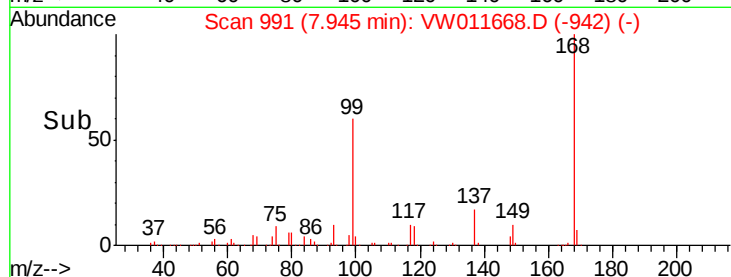
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW011668.D

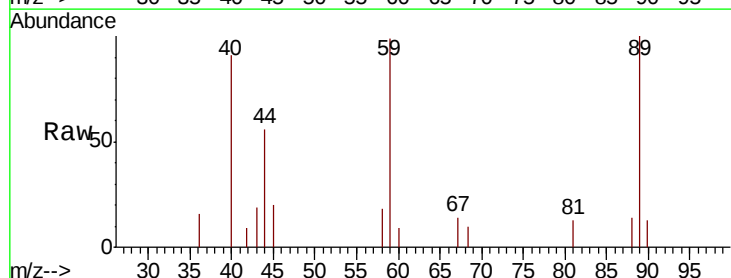
Acq: 03 Aug 2019 16:13

Tgt Ion: 59 Resp: 1206

Ion Ratio Lower Upper

59 100

57 2.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

600

500

400

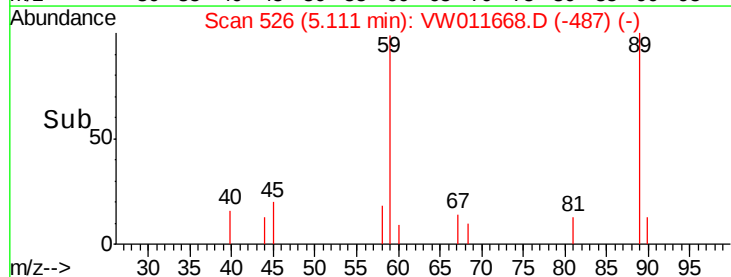
300

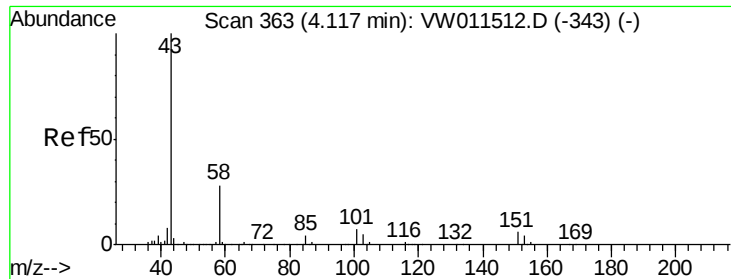
200

100

0

Time--> 5.05 5.10 5.15

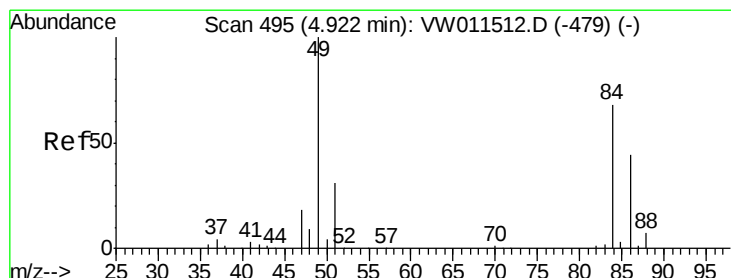
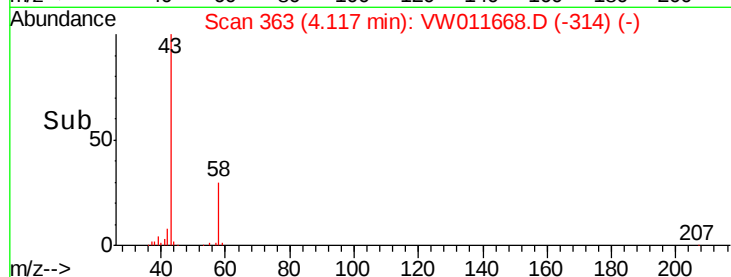
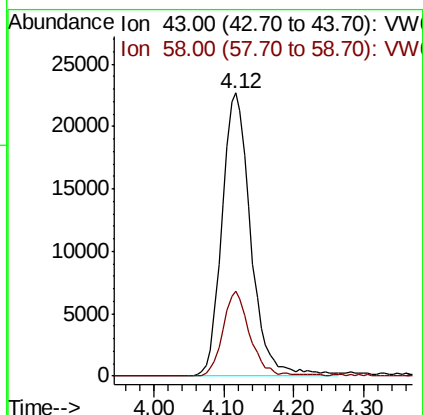
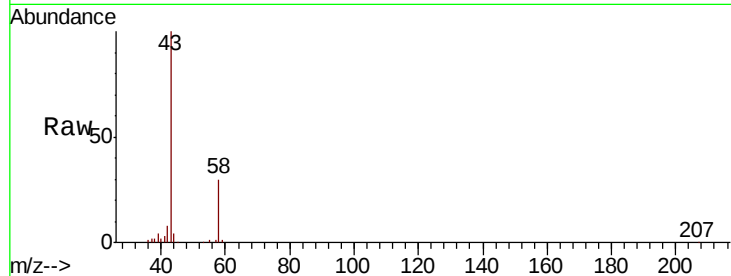




#16
Acetone
Concen: 83.143 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW011668.D
Acq: 03 Aug 2019 16:13

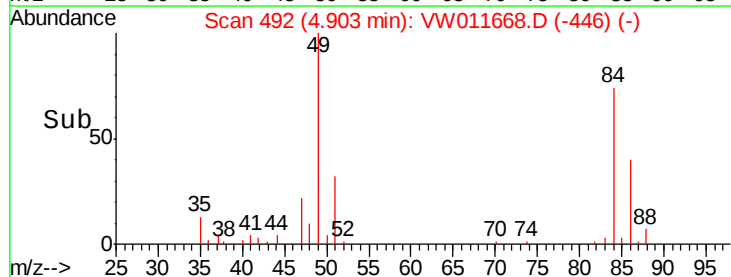
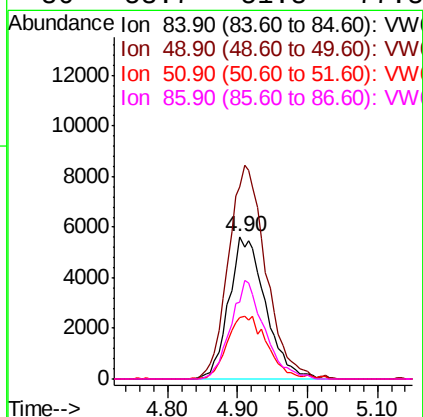
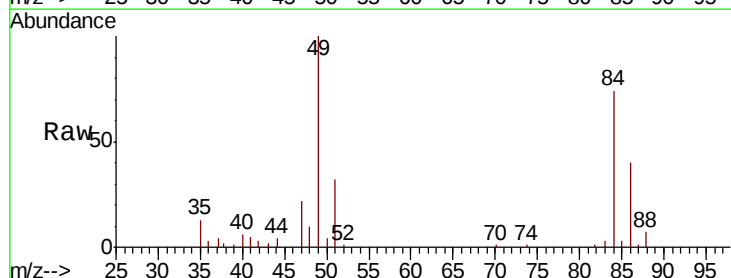
Instrument :
MSVOA_W
ClientSampleId :
2S-H2-(30)

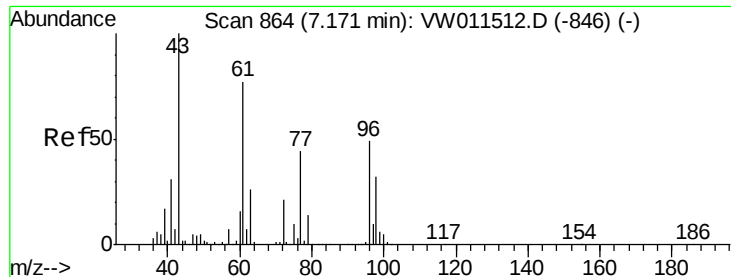
Tgt Ion: 43 Resp: 65206
Ion Ratio Lower Upper
43 100
58 30.2 22.3 33.5



#20
Methylene Chloride
Concen: 7.585 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW011668.D
Acq: 03 Aug 2019 16:13

Tgt Ion: 84 Resp: 20517
Ion Ratio Lower Upper
84 100
49 134.9 117.8 176.6
51 43.4 37.0 55.4
86 53.7 51.8 77.8





#25

2-Butanone

Concen: 1.164 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW011668.D

Acq: 03 Aug 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

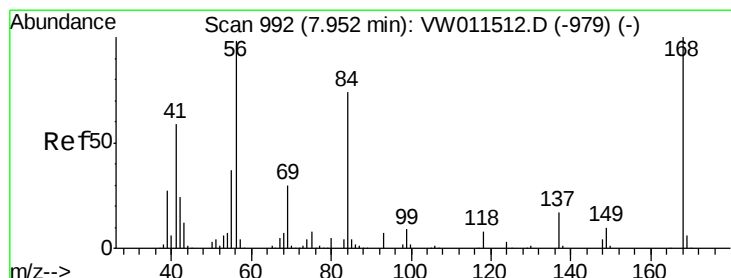
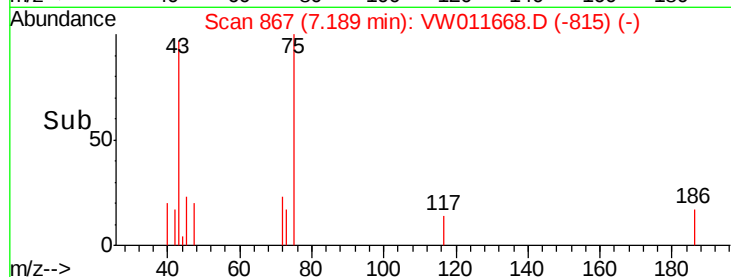
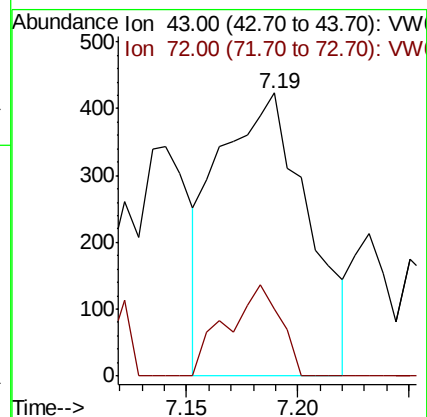
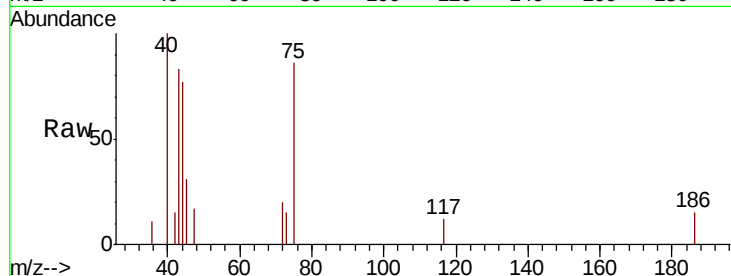
2S-H2-(30)

Tgt Ion: 43 Resp: 1195

Ion Ratio Lower Upper

43 100

72 36.2 16.6 24.8#



#31

Cyclohexane

Concen: 1.197 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011668.D

Acq: 03 Aug 2019 16:13

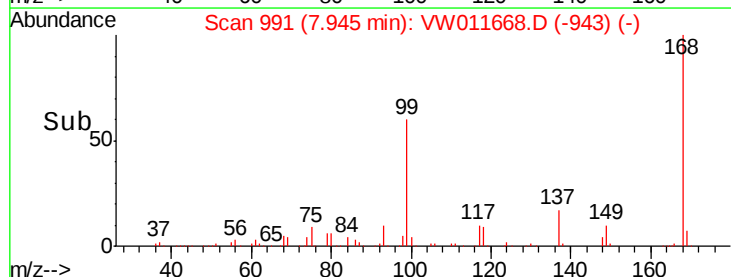
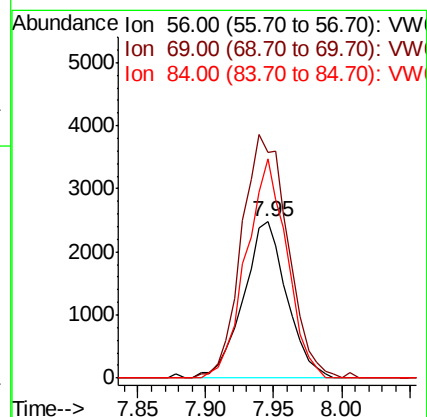
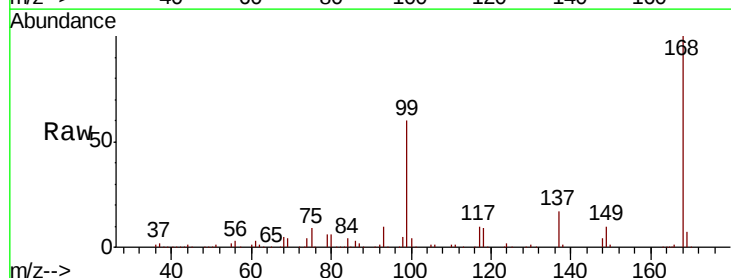
Tgt Ion: 56 Resp: 5520

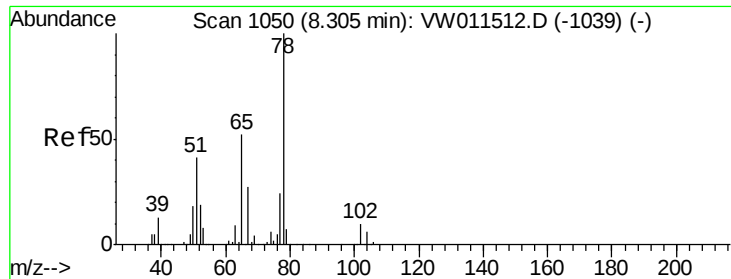
Ion Ratio Lower Upper

56 100

69 144.4 24.3 36.5#

84 140.8 60.4 90.6#

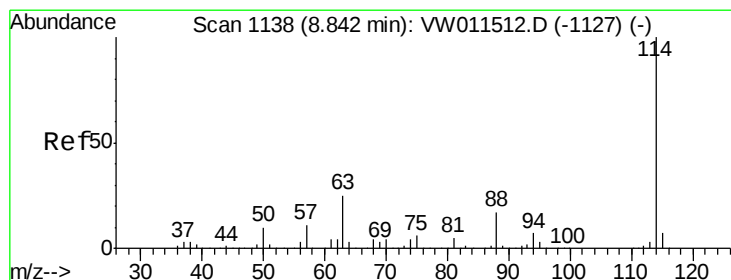
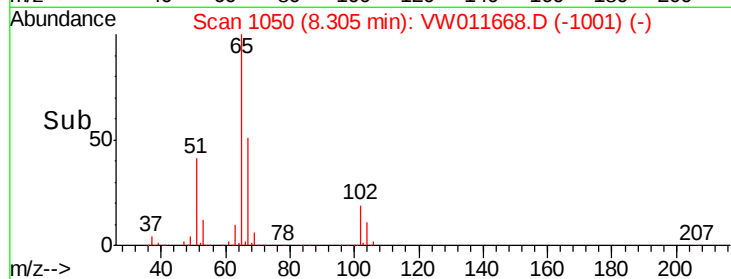
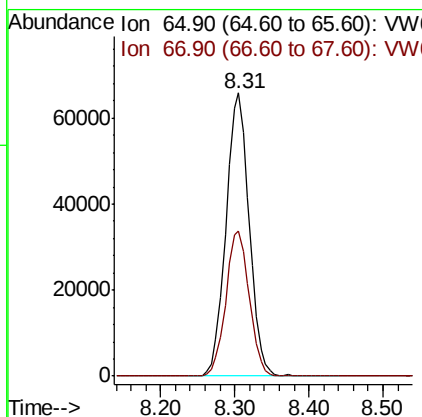
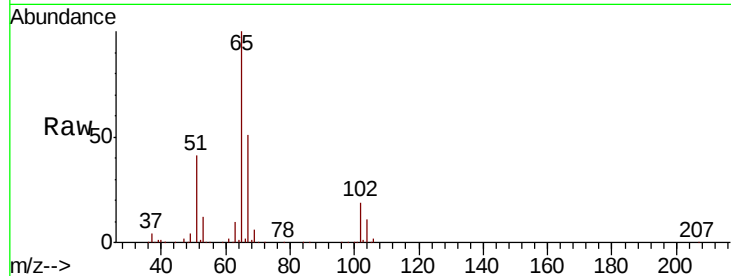




#33
 1,2-Dichloroethane-d4
 Concen: 58.067 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011668.D
 Acq: 03 Aug 2019 16:13

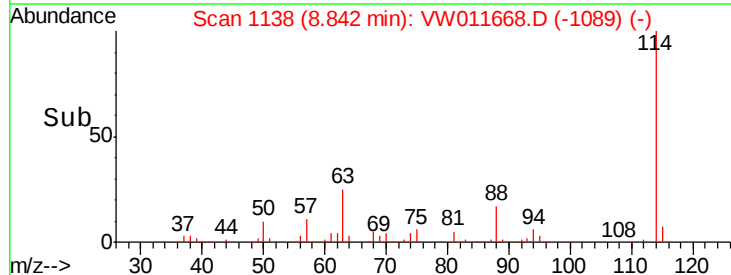
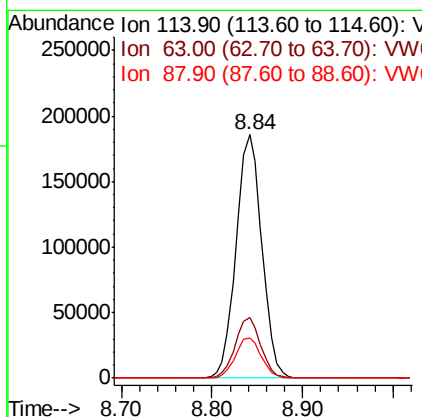
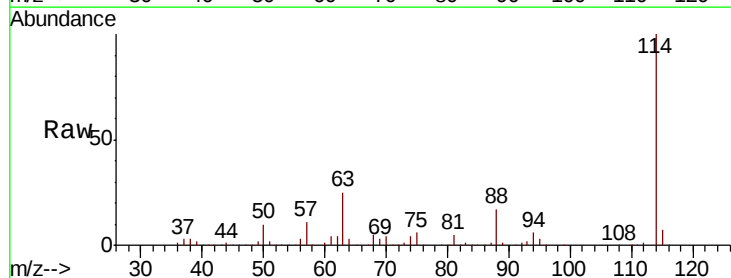
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H2-(30)

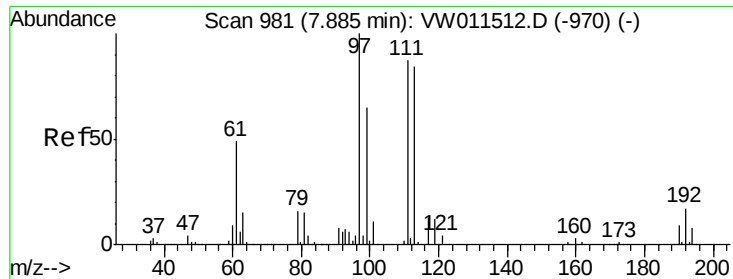
Tgt Ion: 65 Resp: 143163
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011668.D
 Acq: 03 Aug 2019 16:13

Tgt Ion: 114 Resp: 365693
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.5 0.0 33.8

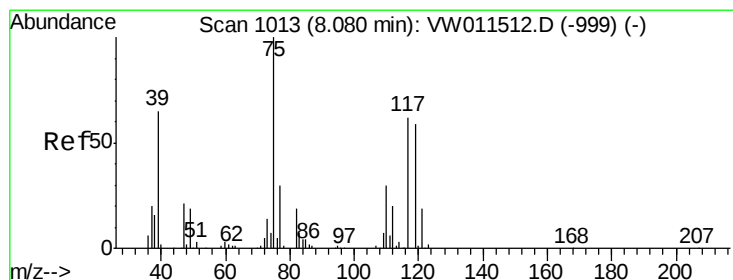
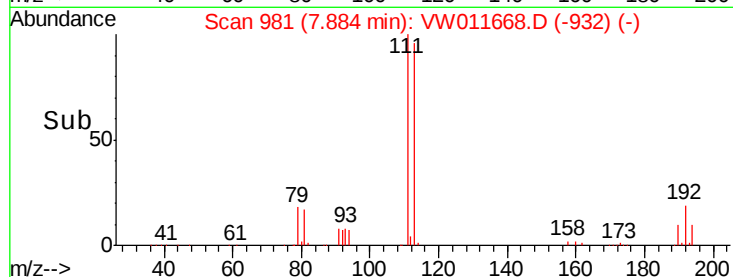
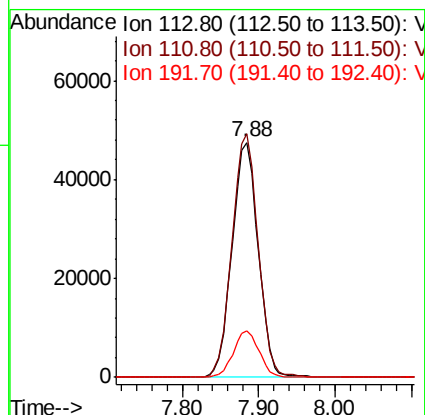
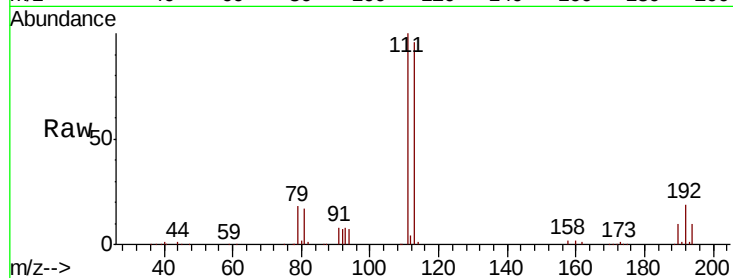




#35
 Dibromofluoromethane
 Concen: 54.812 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011668.D
 Acq: 03 Aug 2019 16:13

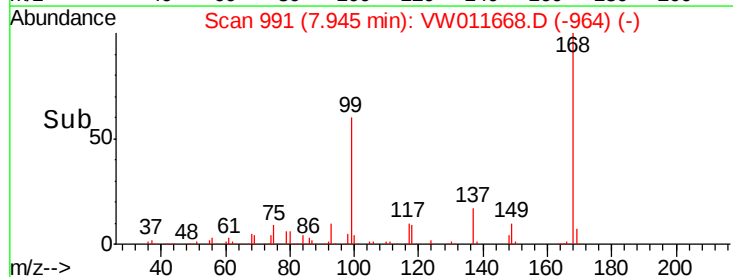
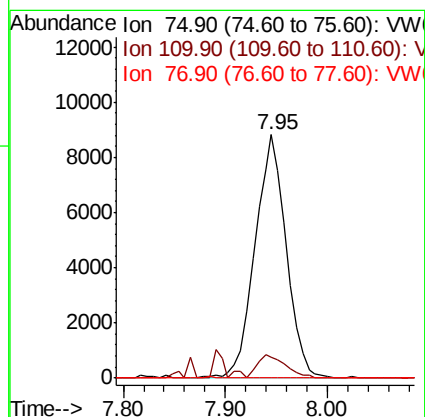
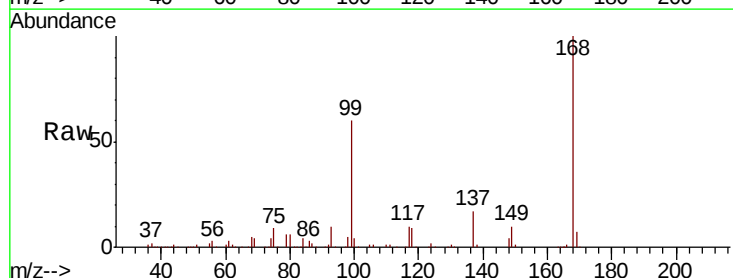
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H2-(30)

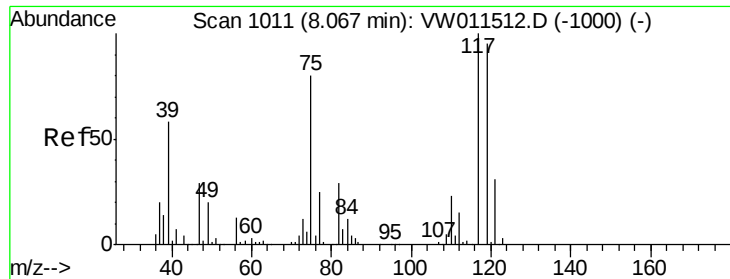
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.7	124.1
192	19.4	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.928 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011668.D
 Acq: 03 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.6	46.8#
77	0.0	24.3	36.5#

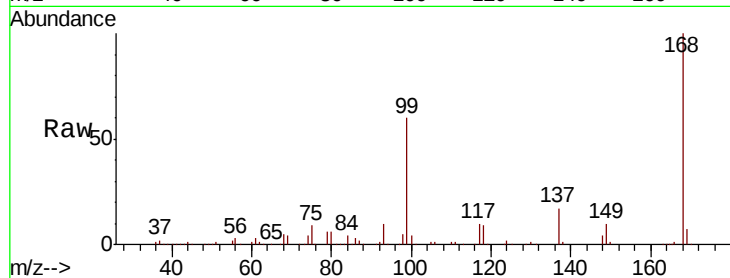




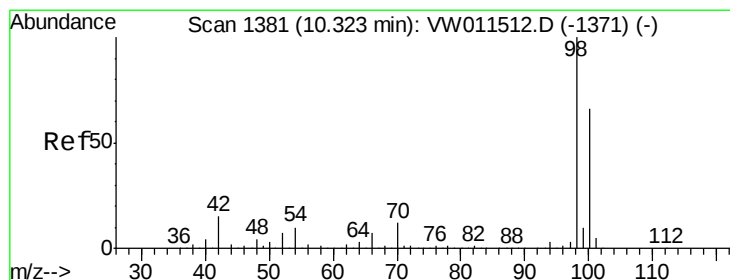
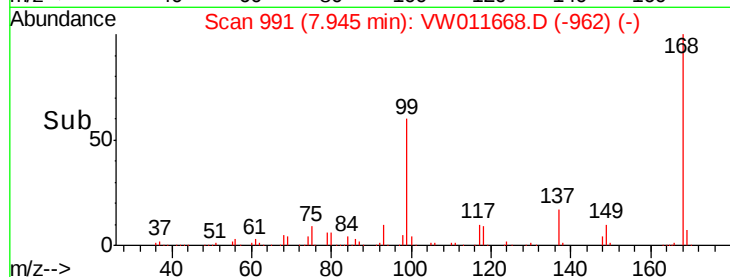
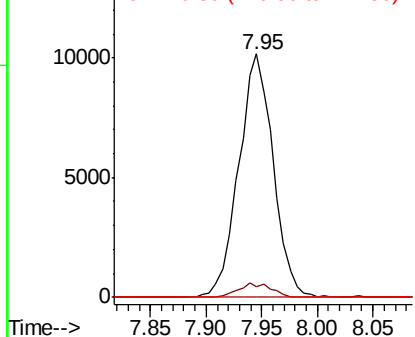
#38
Carbon Tetrachloride
Concen: 6.685 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011668.D
Acq: 03 Aug 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
2S-H2-(30)

Tgt Ion: 117 Resp: 21762
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.6#
121 0.0 24.7 37.1#

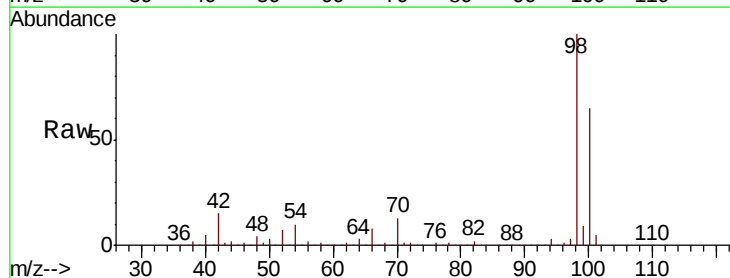


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

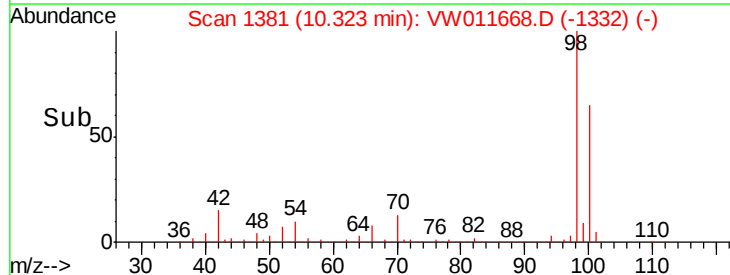
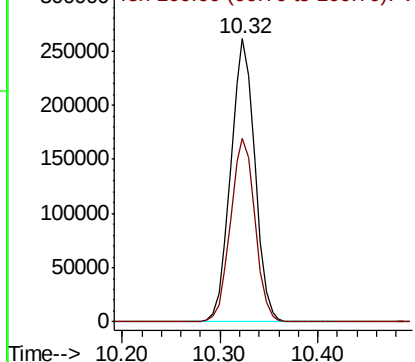


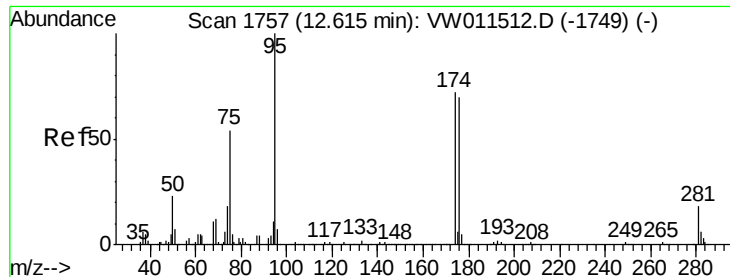
#50
Toluene-d8
Concen: 53.248 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011668.D
Acq: 03 Aug 2019 16:13

Tgt Ion: 98 Resp: 447279
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 45.183 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011668.D

Acq: 03 Aug 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

2S-H2-(30)

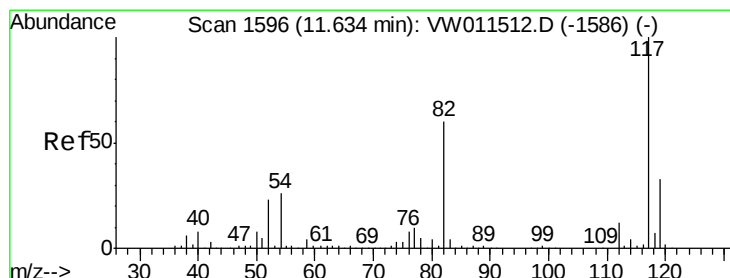
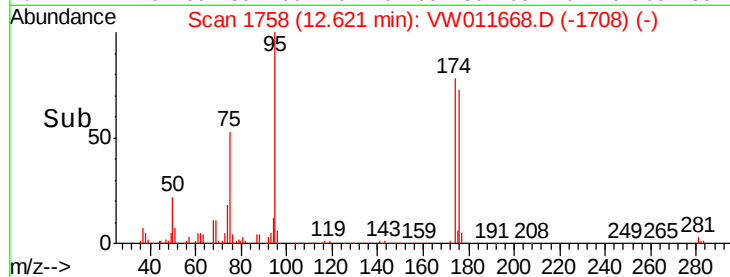
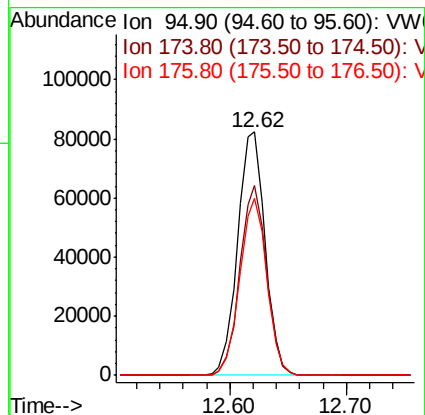
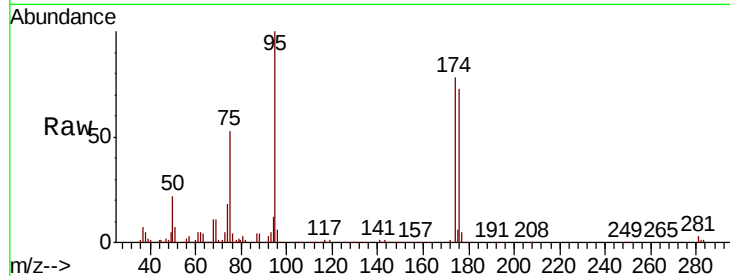
Tgt Ion: 95 Resp: 135309

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.2

176 71.9 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: VW011668.D

Acq: 03 Aug 2019 16:13

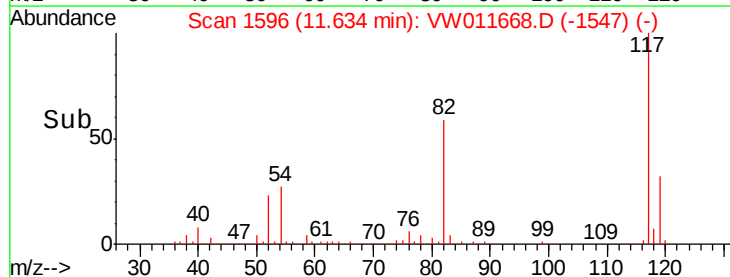
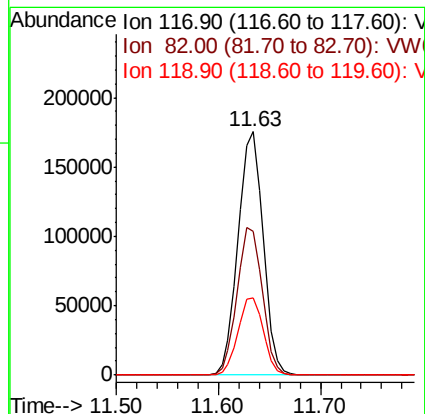
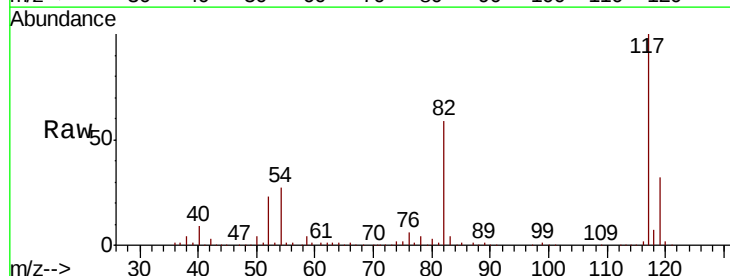
Tgt Ion: 117 Resp: 297457

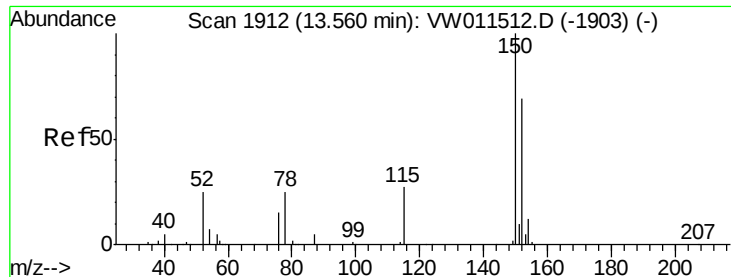
Ion Ratio Lower Upper

117 100

82 59.3 47.9 71.9

119 31.9 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: VW011668.D

Acq: 03 Aug 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

2S-H2-(30)

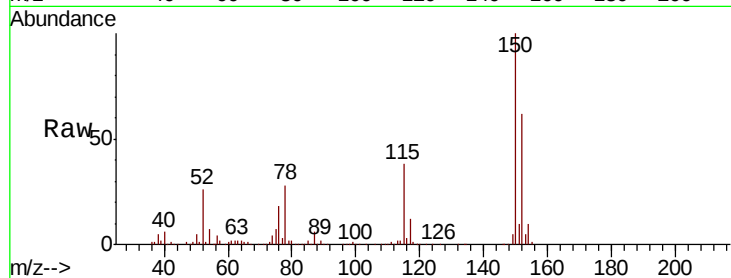
Tgt Ion:152 Resp: 110999

Ion Ratio Lower Upper

152 100

115 61.2 30.5 91.5

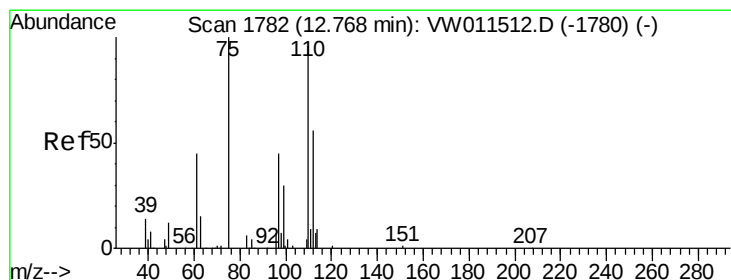
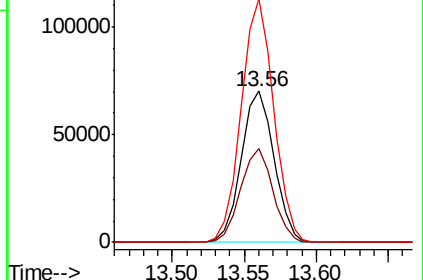
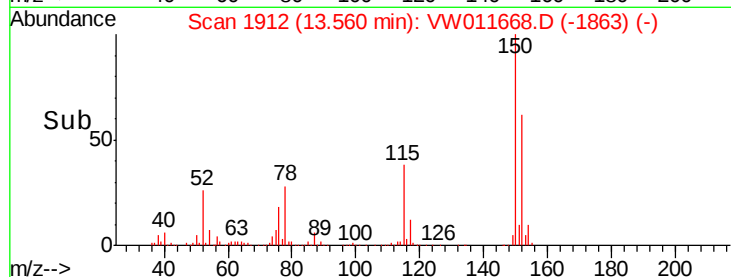
150 159.4 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 62.647 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011668.D

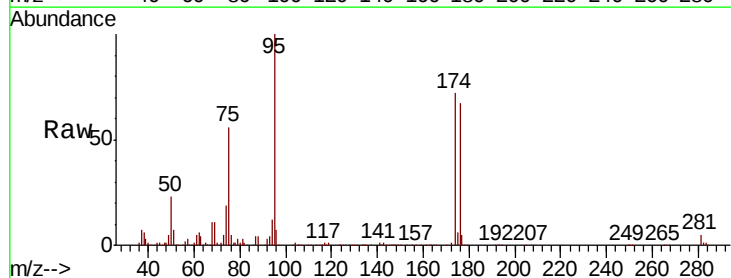
Acq: 03 Aug 2019 16:13

Tgt Ion: 75 Resp: 73579

Ion Ratio Lower Upper

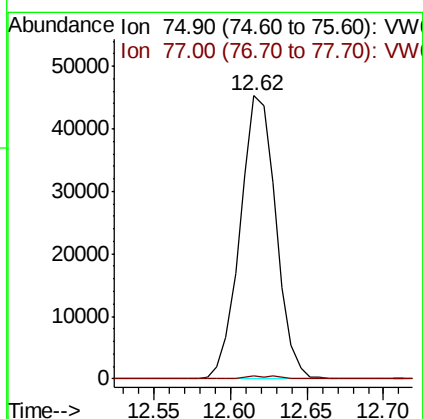
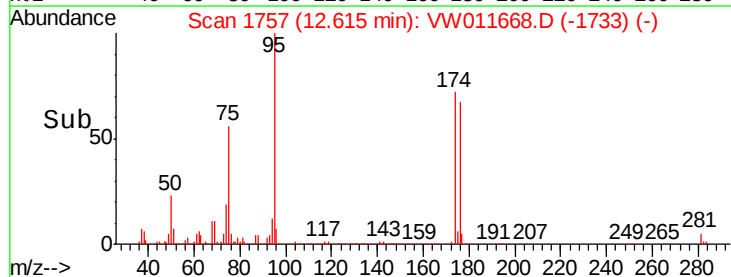
75 100

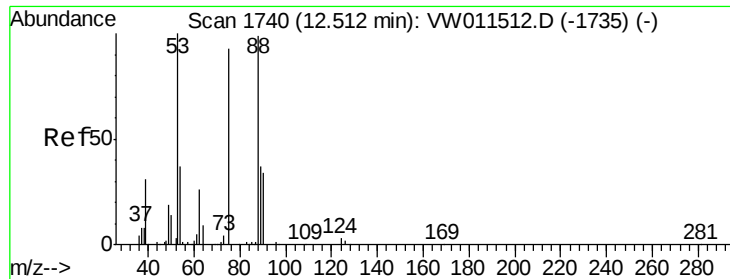
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

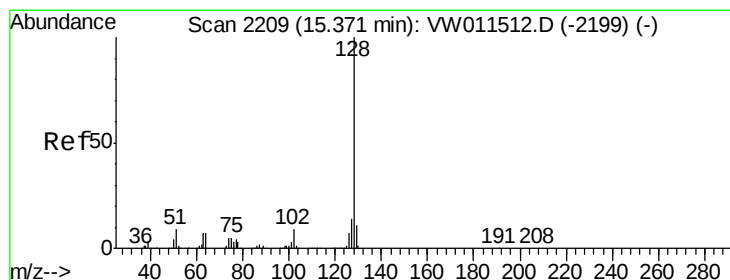
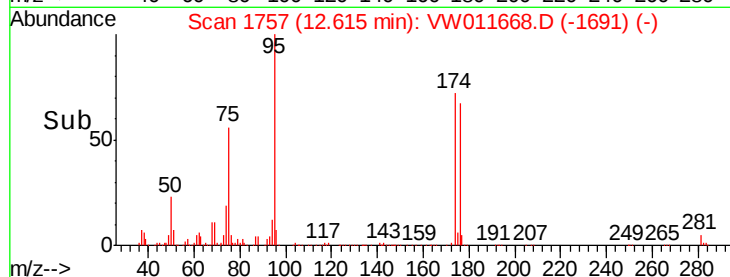
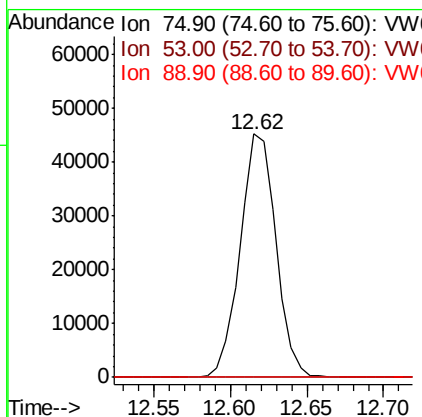
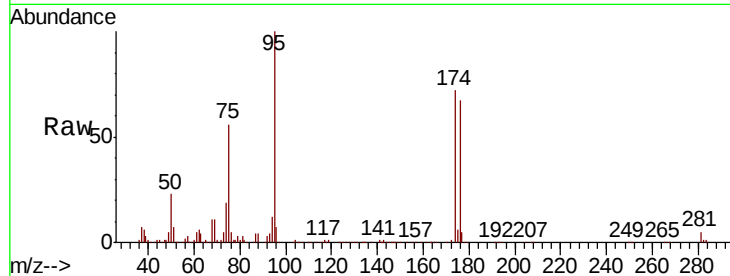




#81
trans-1,4-Dichloro-2-butene
Concen: 144.380 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011668.D
Acq: 03 Aug 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
2S-H2-(30)

Tgt Ion: 75 Resp: 73579
Ion Ratio Lower Upper
75 100
53 0.1 88.0 132.0#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 2.330 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011668.D
Acq: 03 Aug 2019 16:13

Tgt Ion: 128 Resp: 1206
Ion Ratio Lower Upper
128 100
127 11.6 10.6 16.0
129 7.9 8.6 13.0#

