

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012658.D
 Acq On : 05 Sep 2019 23:12
 Operator : SY/VA
 Sample : VW0905SBL02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBL02

Quant Time: Sep 06 07:56:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	239173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	151078	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	7.88	113	115601	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.32	98	461181	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.62	95	140062	43.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.64%	

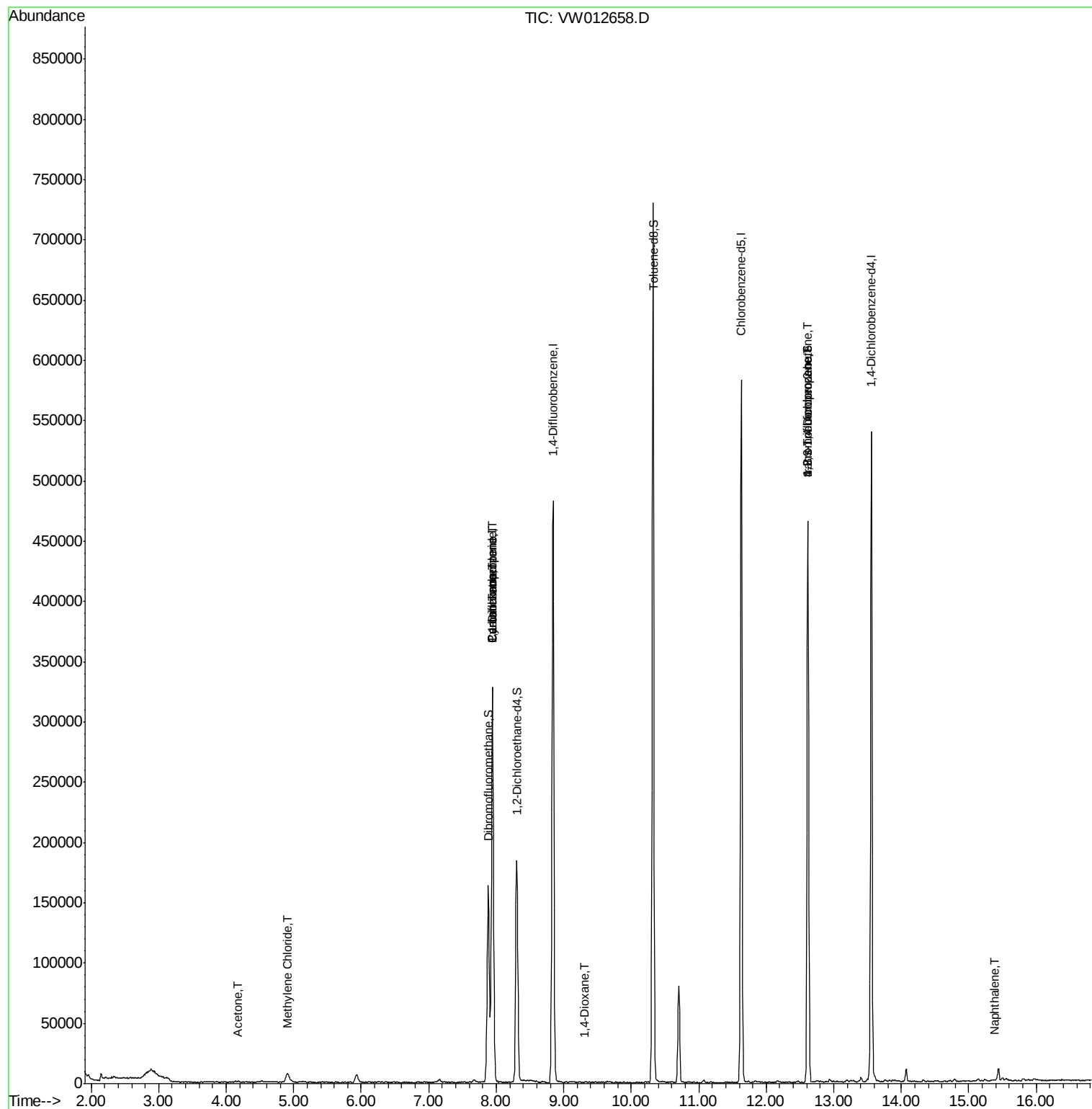
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	2684	3.693	ug/l	94
20) Methylene Chloride	4.90	84	5650	2.056	ug/l #	83
31) Cyclohexane	7.94	56	5956	1.163	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19213	4.906	ug/l #	52
38) Carbon Tetrachloride	7.94	117	23329	6.882	ug/l #	17
49) 1,4-Dioxane	9.30	88	28	1.428	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	74109	55.561	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74109	121.820	ug/l #	6
95) Naphthalene	15.37	128	889	4.478	ug/l #	84

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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: VW012658.D

Acq: 05 Sep 2019 23:12

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MSVOA_W

ClientSampleId :

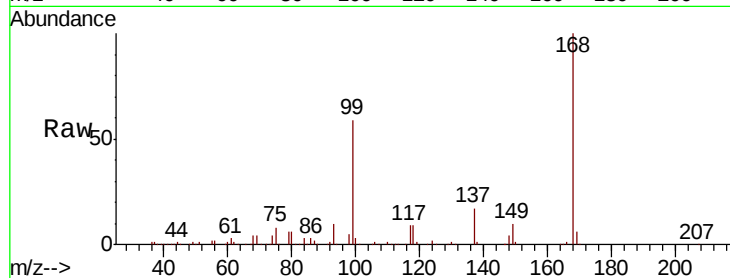
VW0905SBL02

Tgt Ion:168 Resp: 239173

Ion Ratio Lower Upper

168 100

99 58.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

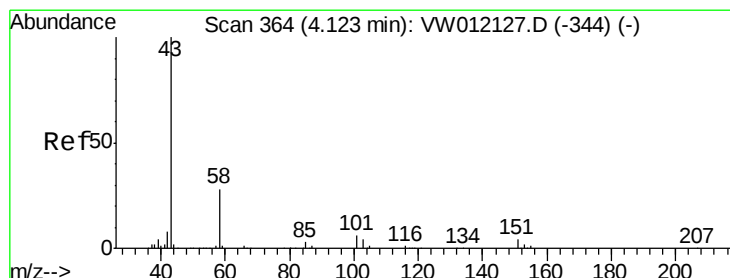
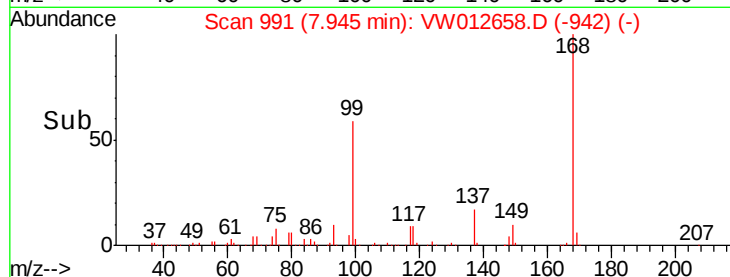
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 3.693 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW012658.D

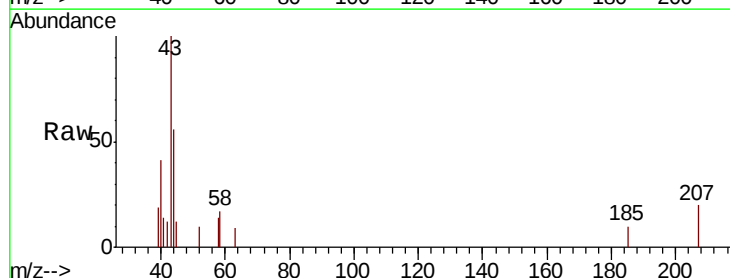
Acq: 05 Sep 2019 23:12

Tgt Ion: 43 Resp: 2684

Ion Ratio Lower Upper

43 100

58 31.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.16

600

500

400

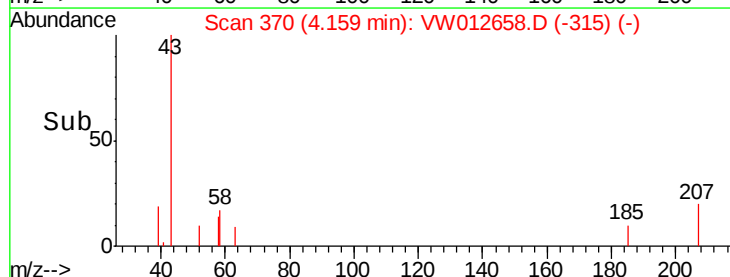
300

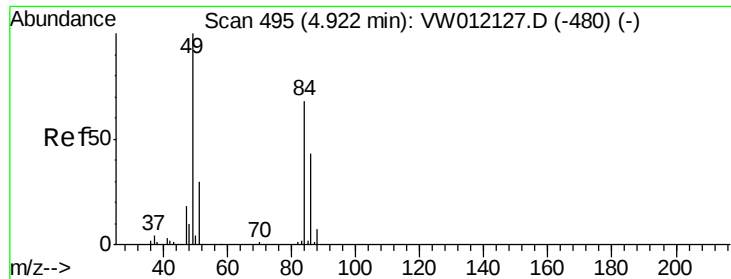
200

100

0

Time--> 4.10 4.20





#20

Methylene Chloride

Concen: 2.056 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012658.D

Acq: 05 Sep 2019 23:12

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBL02

Tgt Ion: 84 Resp: 5650

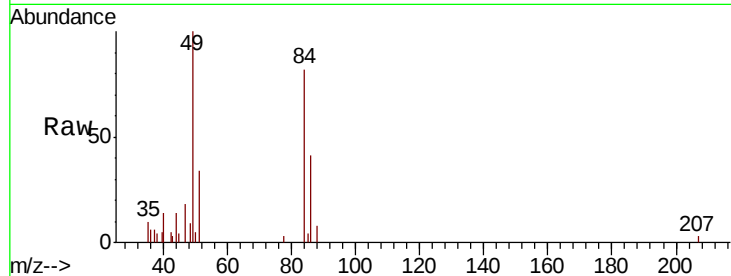
Ion Ratio Lower Upper

84 100

49 121.7 117.8 176.8

51 40.8 35.6 53.4

86 50.5 51.2 76.8#

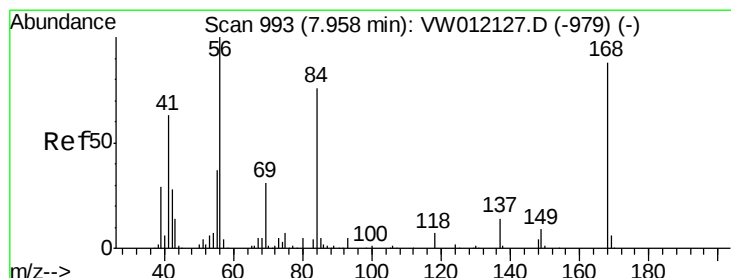
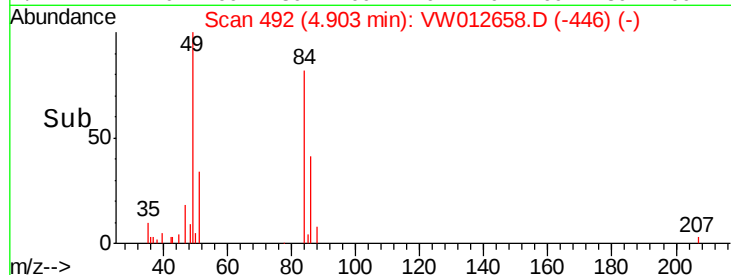
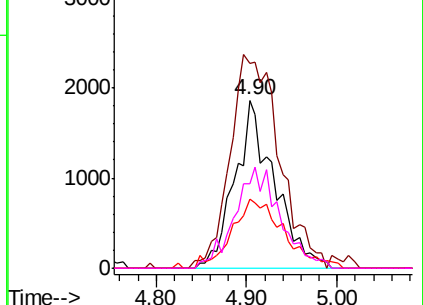


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.163 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012658.D

Acq: 05 Sep 2019 23:12

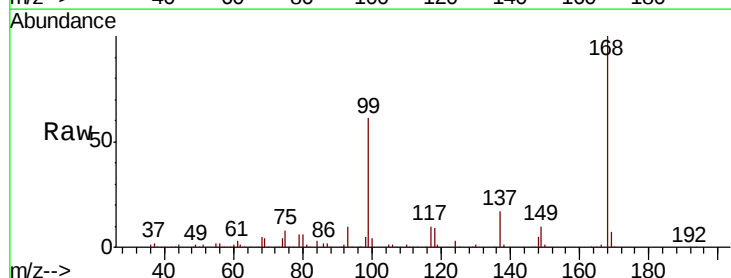
Tgt Ion: 56 Resp: 5956

Ion Ratio Lower Upper

56 100

69 174.9 24.9 37.3#

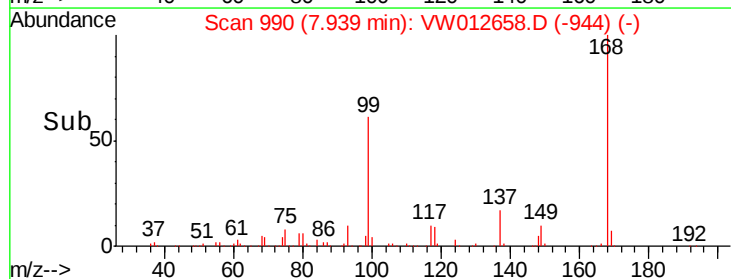
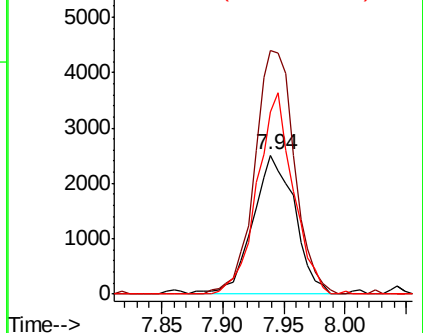
84 130.9 60.6 90.8#

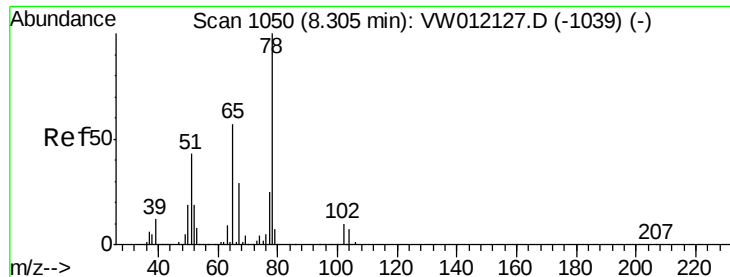


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

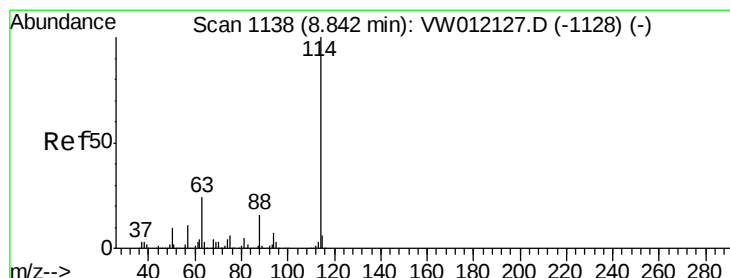
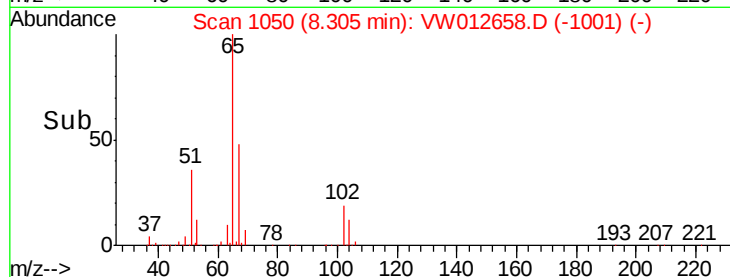
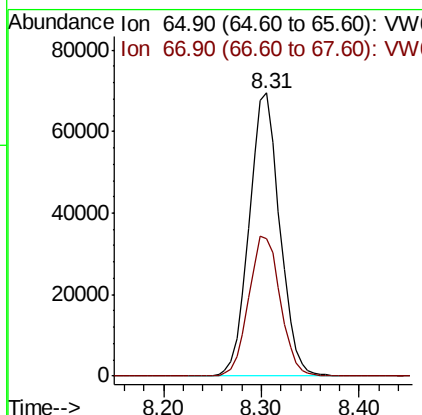
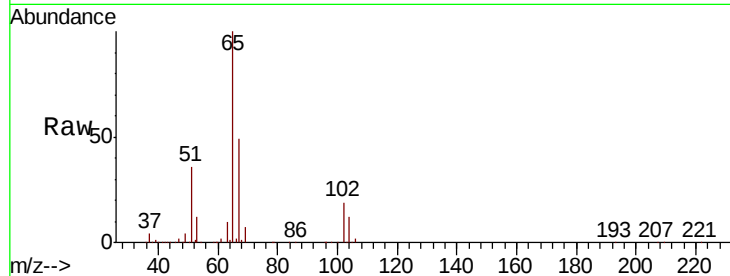




#33
 1,2-Dichloroethane-d4
 Concen: 53.137 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012658.D
 Acq: 05 Sep 2019 23:12

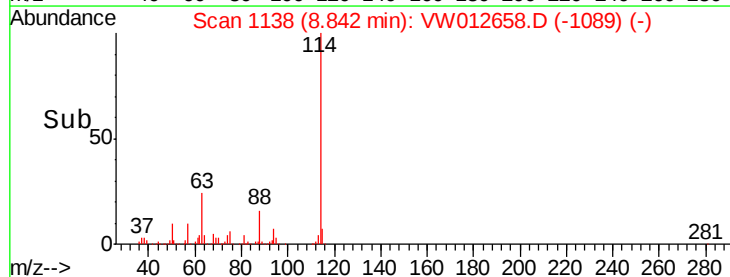
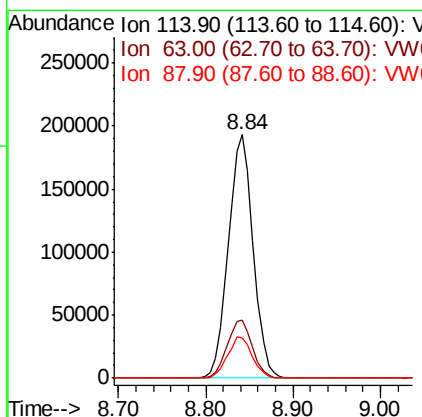
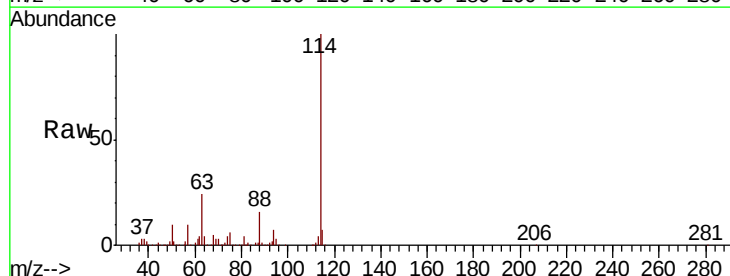
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBL02

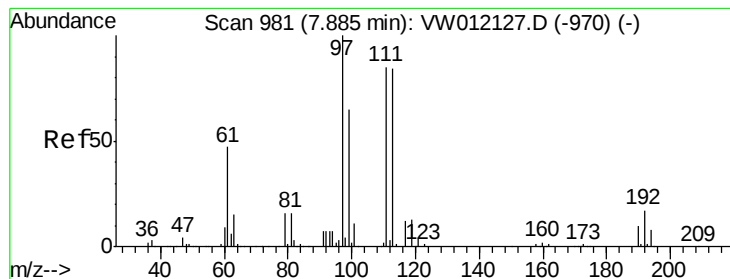
Tgt Ion: 65 Resp: 151078
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012658.D
 Acq: 05 Sep 2019 23:12

Tgt Ion: 114 Resp: 378998
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.6
 88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.100 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012658.D

Acq: 05 Sep 2019 23:12

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBL02

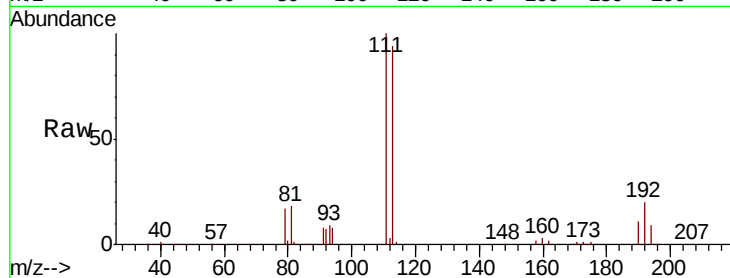
Tgt Ion:113 Resp: 115601

Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

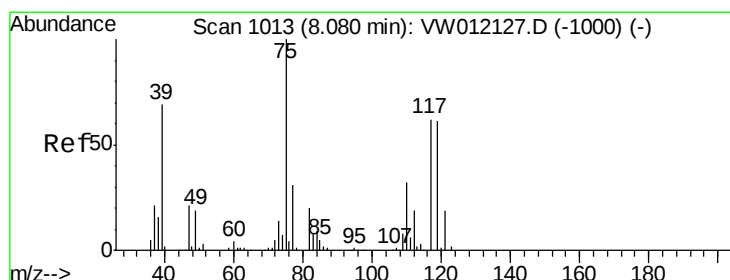
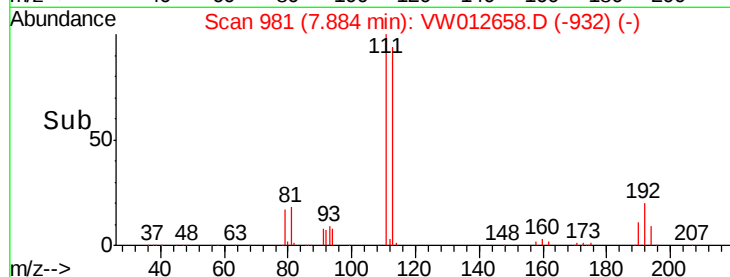
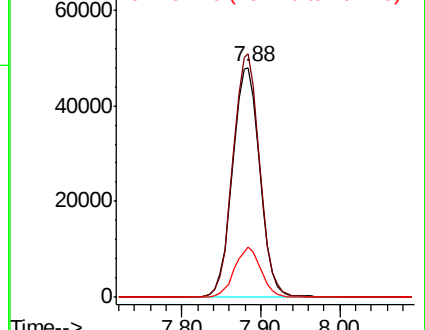
192 20.9 16.2 24.2



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: 4.906 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012658.D

Acq: 05 Sep 2019 23:12

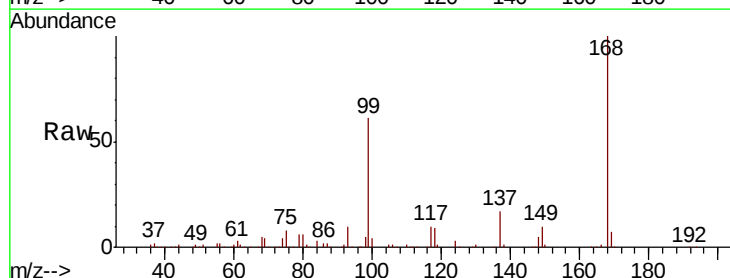
Tgt Ion: 75 Resp: 19213

Ion Ratio Lower Upper

75 100

110 8.6 15.6 46.8#

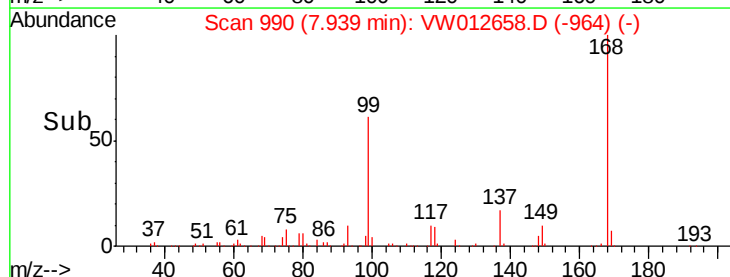
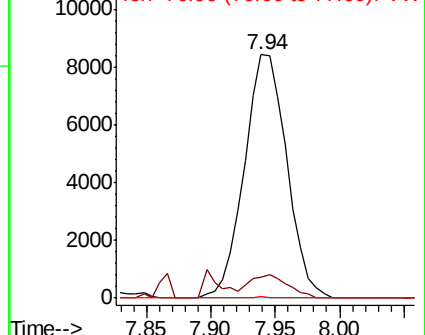
77 0.1 24.6 36.8#

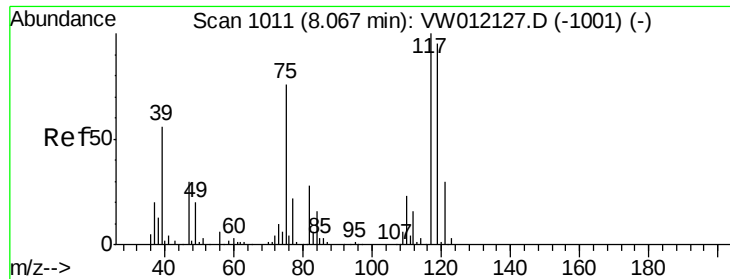


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.882 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012658.D

Acq: 05 Sep 2019 23:12

Instrument :

MSVOA_W

ClientSampled :

VW0905SBL02

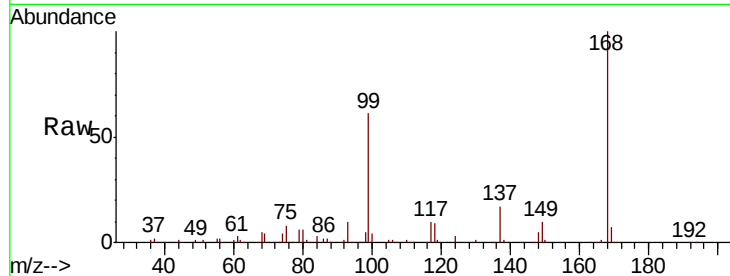
Tgt Ion:117 Resp: 23329

Ion Ratio Lower Upper

117 100

119 6.4 76.2 114.2#

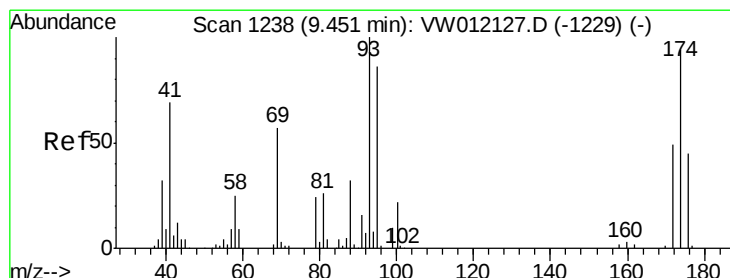
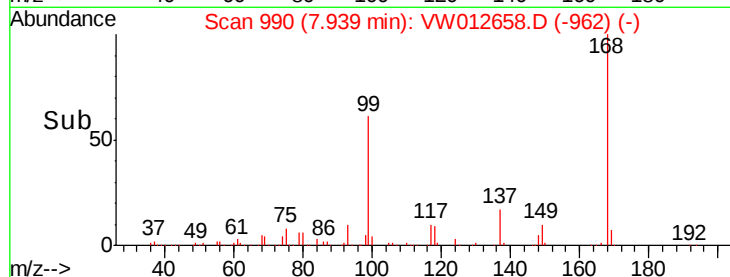
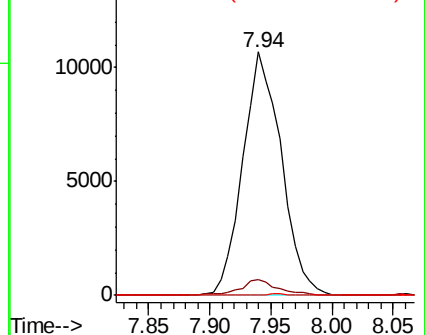
121 0.0 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 1.428 ug/l

RT: 9.30 min Scan# 1214

Delta R.T. -0.15 min

Lab File: VW012658.D

Acq: 05 Sep 2019 23:12

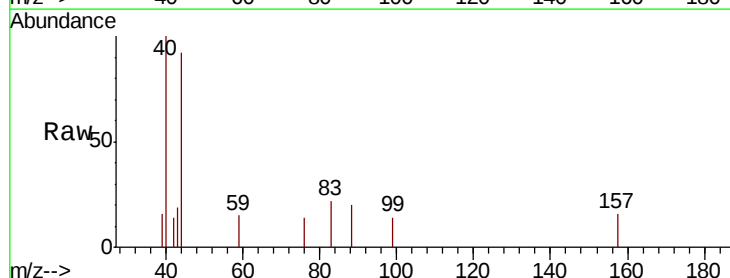
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 260.7 32.9 49.3#

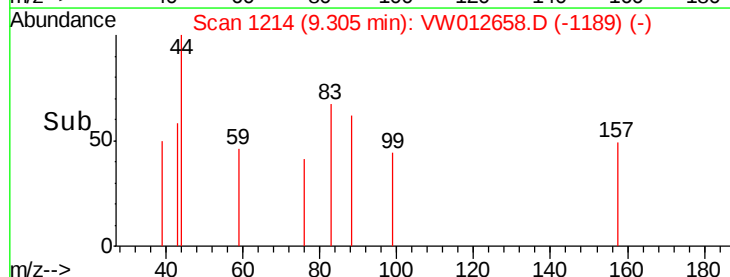
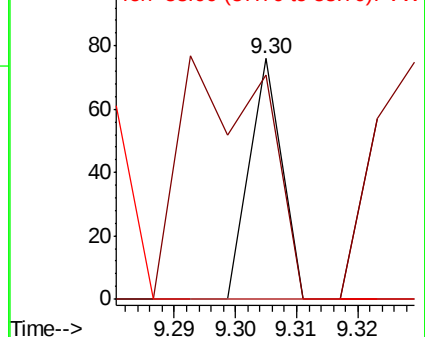
58 0.0 71.0 106.4#

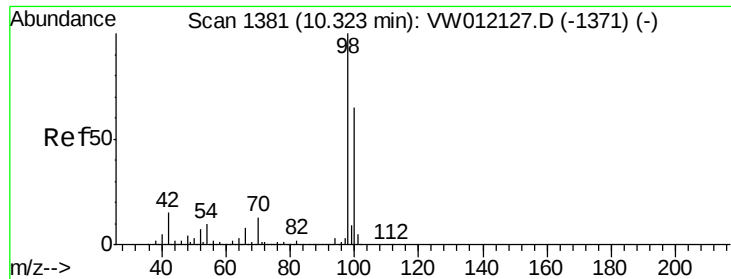


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

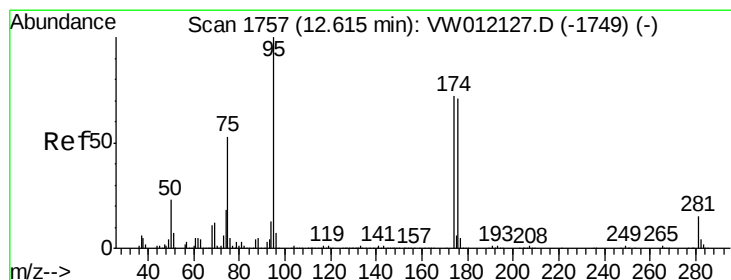
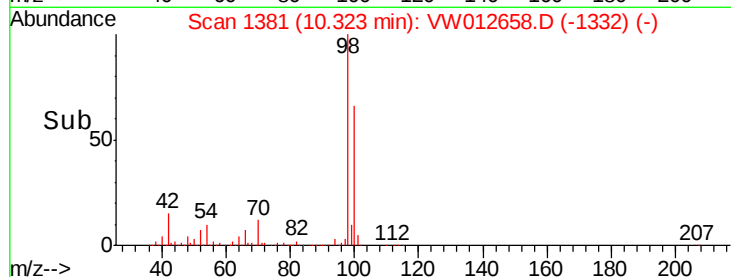
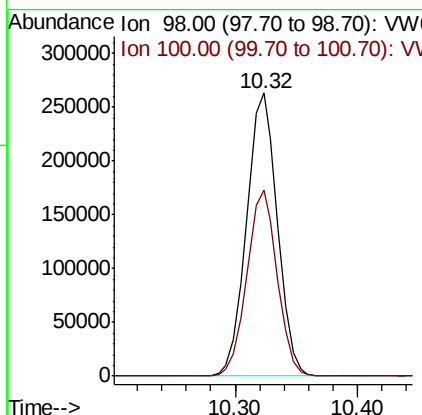
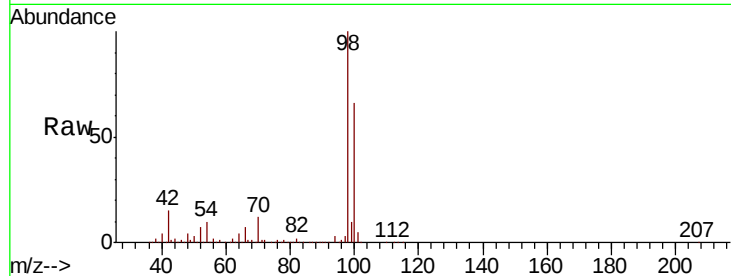




#50
Toluene-d8
Concen: 50.277 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012658.D
Acq: 05 Sep 2019 23:12

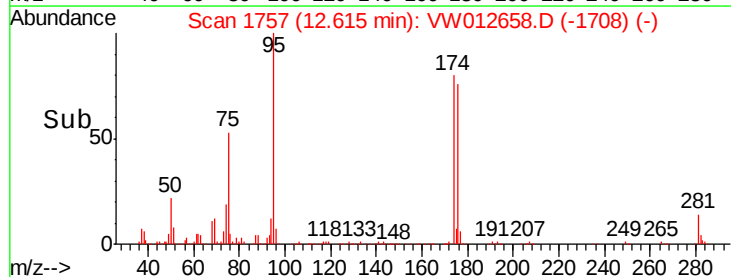
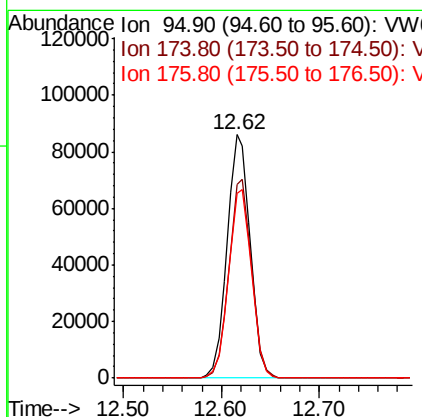
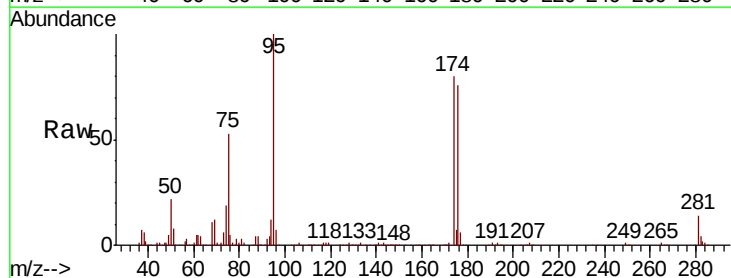
Instrument :
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VW0905SBL02

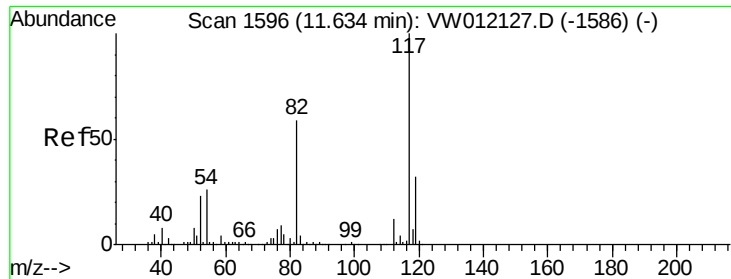
Tgt Ion: 98 Resp: 461181
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 43.317 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012658.D
Acq: 05 Sep 2019 23:12

Tgt Ion: 95 Resp: 140062
Ion Ratio Lower Upper
95 100
174 80.6 0.0 150.8
176 77.3 0.0 148.6

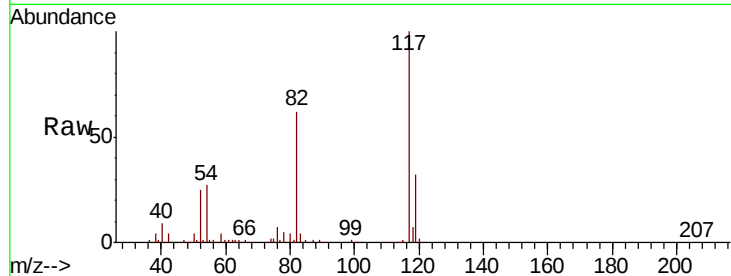




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012658.D
Acq: 05 Sep 2019 23:12

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBL02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.0	47.4	71.2
119	32.0	25.4	38.2

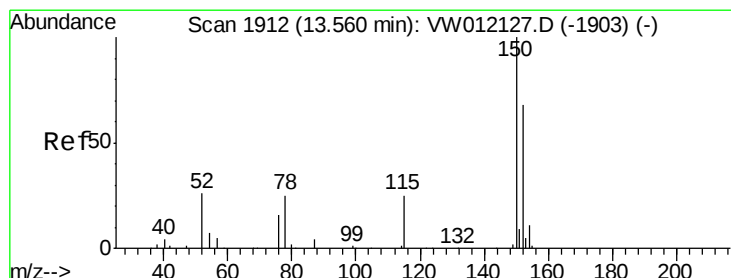
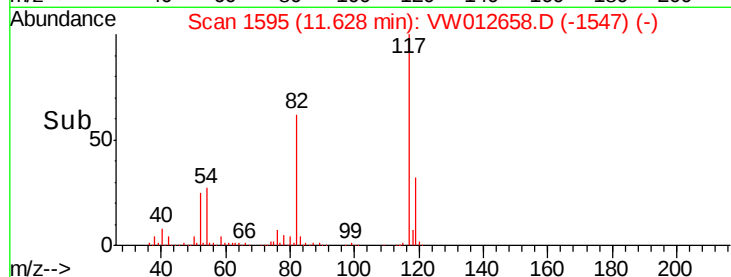
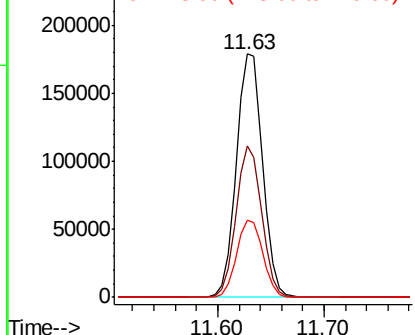


Abundance

Ion 116.90 (116.60 to 117.60): V

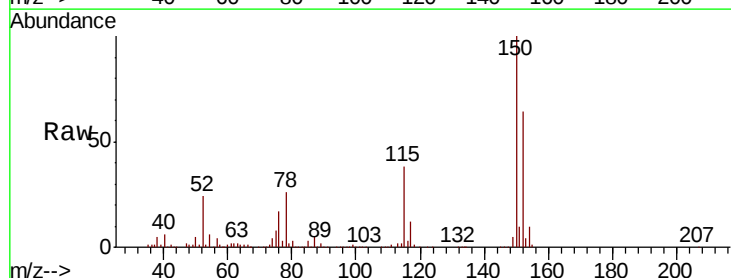
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012658.D
Acq: 05 Sep 2019 23:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.3
150	156.8	0.0	345.8

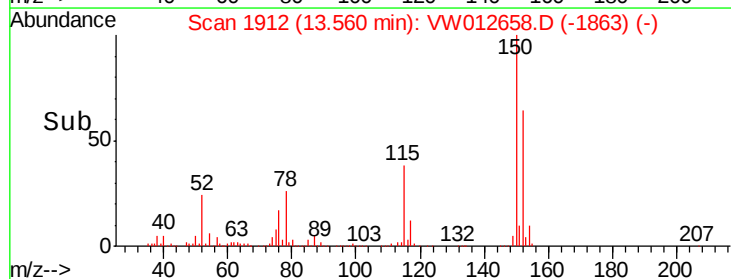
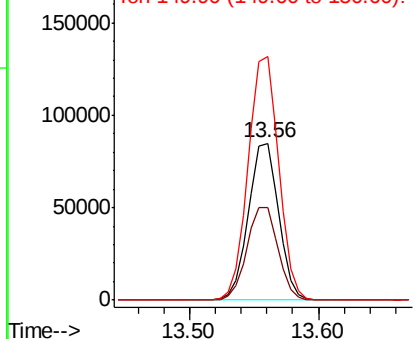


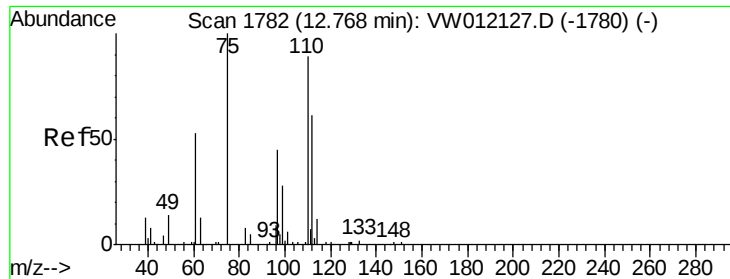
Abundance

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

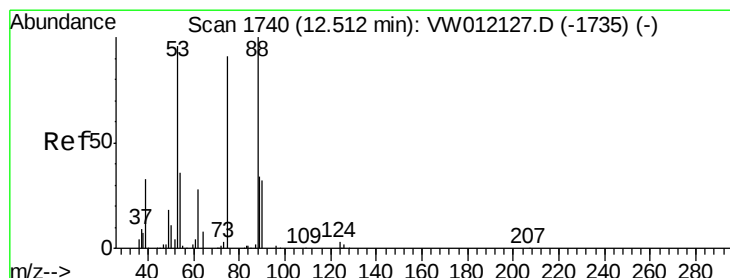
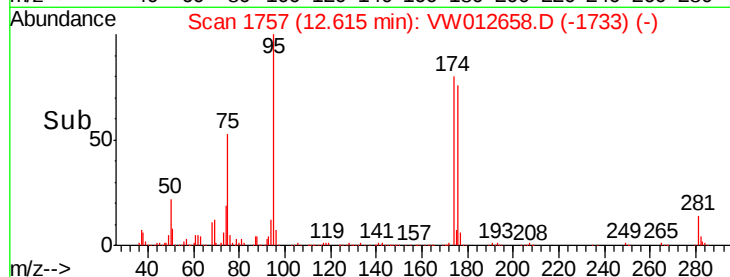
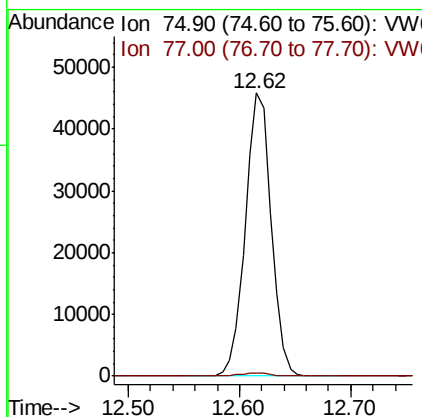
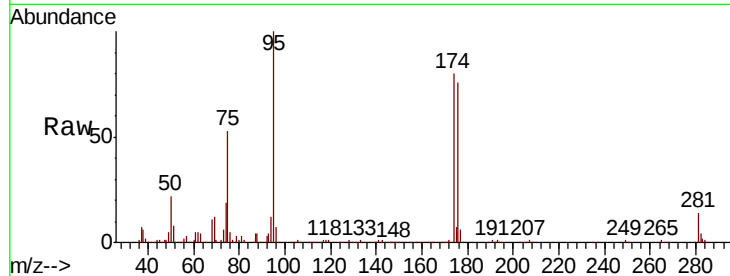




#76
 1,2,3-Trichloropropane
 Concen: 55.561 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012658.D
 Acq: 05 Sep 2019 23:12

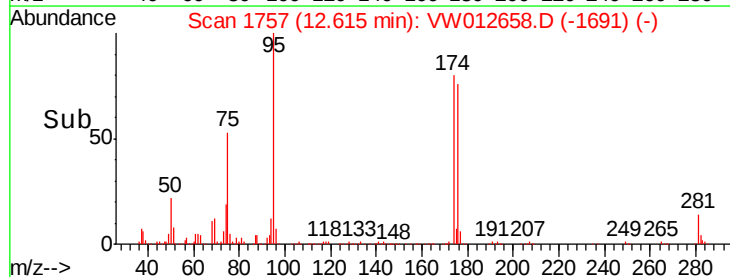
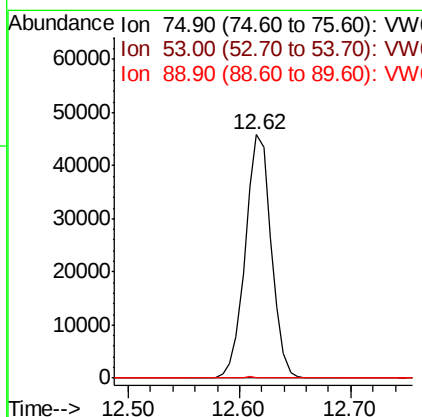
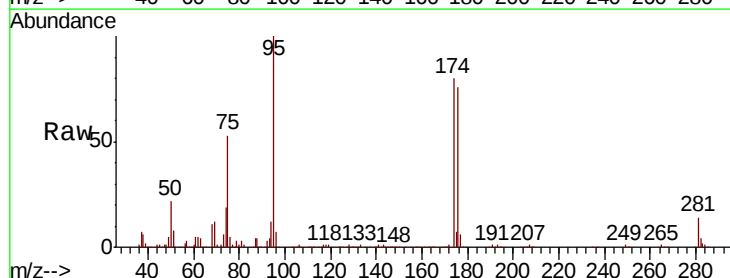
Instrument :
 MSVOA_W
 ClientSampled :
 VW0905SBL02

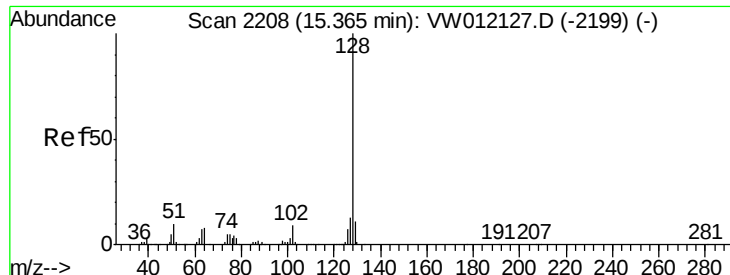
Tgt Ion: 75 Resp: 74109
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.820 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012658.D
 Acq: 05 Sep 2019 23:12

Tgt Ion: 75 Resp: 74109
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.3 34.5 51.7#





#95

Naphthalene

Concen: 4.478 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012658.D

Acq: 05 Sep 2019 23:12

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBL02

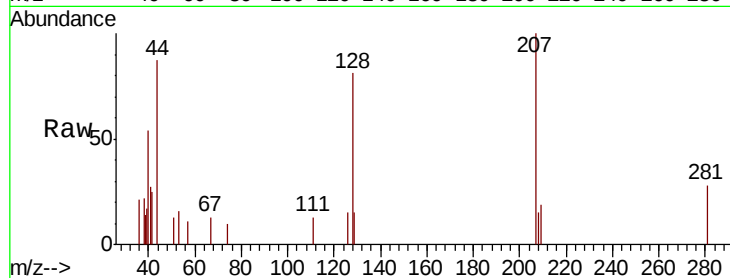
Tgt Ion:128 Resp: 889

Ion Ratio Lower Upper

128 100

127 2.4 10.7 16.1#

129 10.0 8.7 13.1



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

