

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012544.D
 Acq On : 03 Sep 2019 14:12
 Operator : SY/VA
 Sample : K4647-02
 Misc : 6.61G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 03 14:54:50 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	203797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	323491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	230423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60659	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	123177	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
35) Dibromofluoromethane	7.88	113	98673	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	10.32	98	379017	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.62	95	91505	33.16	ug/l	0.00
Spiked Amount			Recovery	=	66.32%	

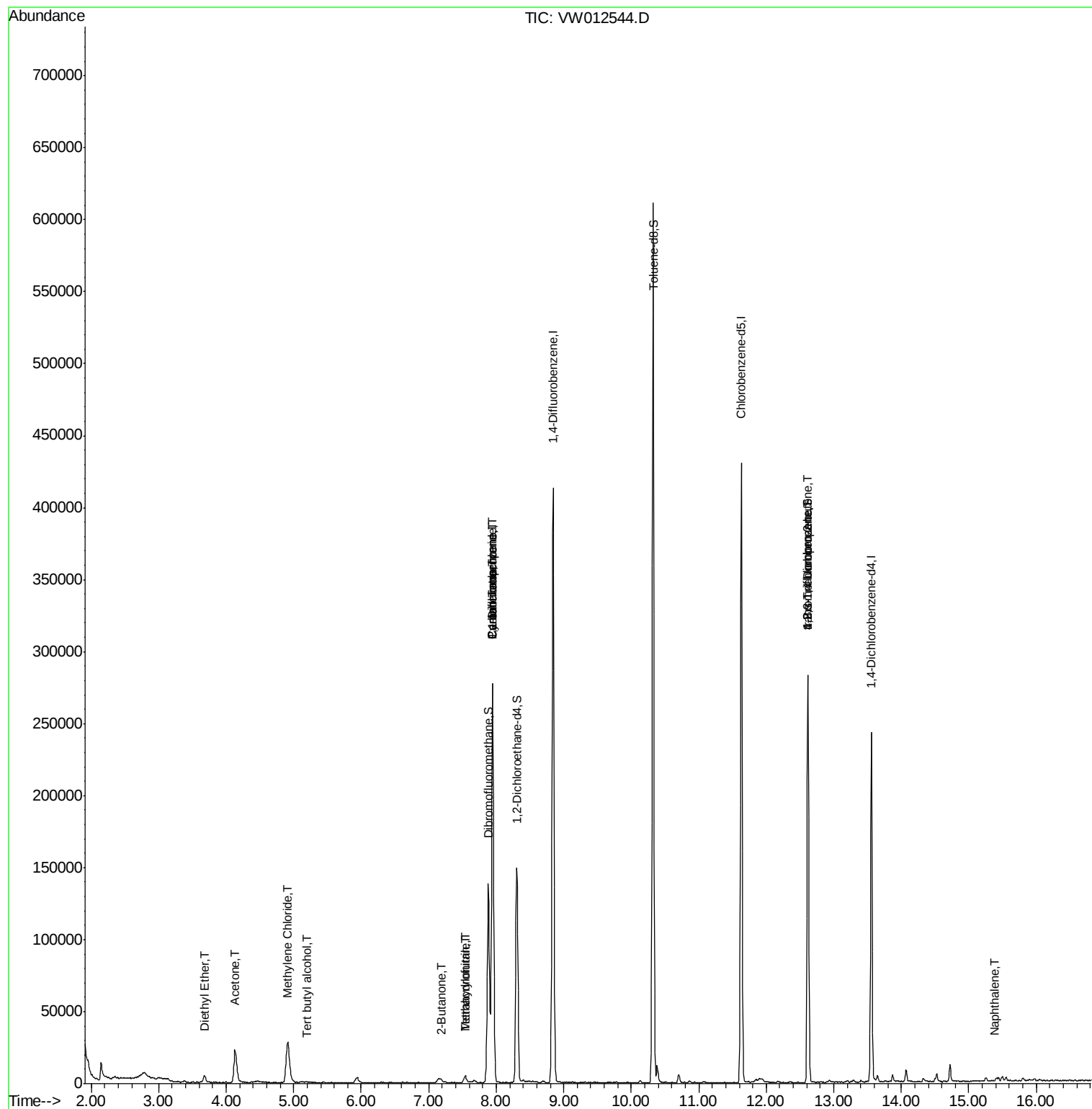
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2462	2.171	ug/l	67
11) Tert butyl alcohol	5.20	59	520	3.567	ug/l #	71
16) Acetone	4.13	43	45396	73.305	ug/l	97
20) Methylene Chloride	4.91	84	22089	9.435	ug/l	95
25) 2-Butanone	7.19	43	3009	3.576	ug/l	99
29) Tetrahydrofuran	7.54	42	4244	8.406	ug/l	98
31) Cyclohexane	7.94	56	4838	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16740	5.008	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20271	7.006	ug/l #	17
41) Methacrylonitrile	7.53	41	2625	2.438	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	47984	81.222	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	47984	178.082	ug/l #	6
95) Naphthalene	15.38	128	355	4.463	ug/l #	69

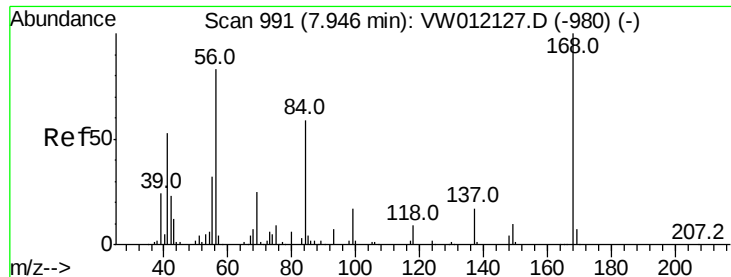
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090319\
Data File : VW012544.D
Acq On : 03 Sep 2019 14:12
Operator : SY/VA
Sample : K4647-02
Misc : 6.61G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 03 14:54:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
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: VW012544.D

Acq: 03 Sep 2019 14:12

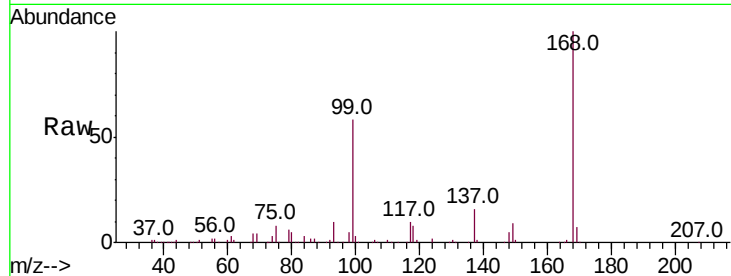
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 203797

Ion Ratio Lower Upper

168 100

99 57.8 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

100000

80000

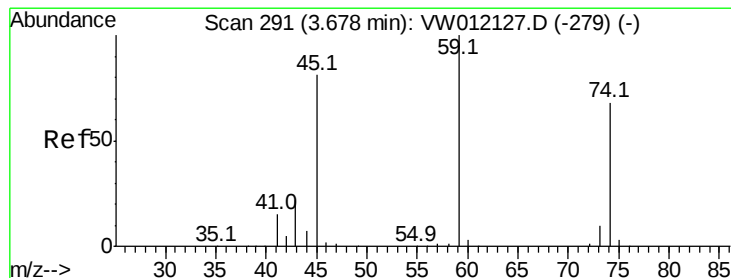
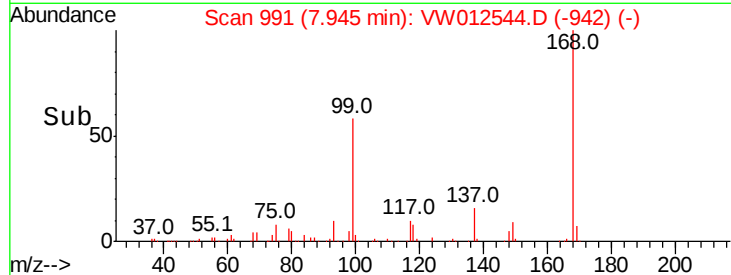
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 2.171 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012544.D

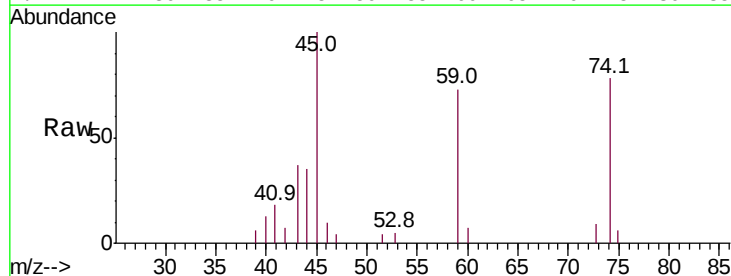
Acq: 03 Sep 2019 14:12

Tgt Ion: 74 Resp: 2462

Ion Ratio Lower Upper

74 100

45 154.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

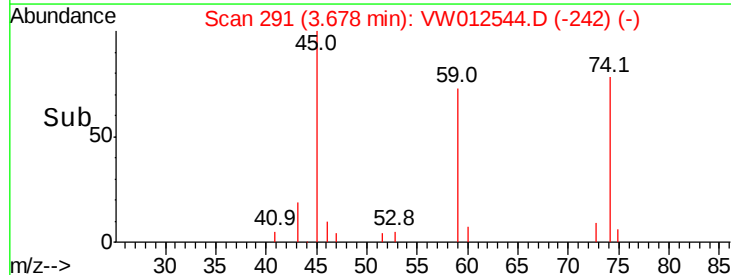
1500

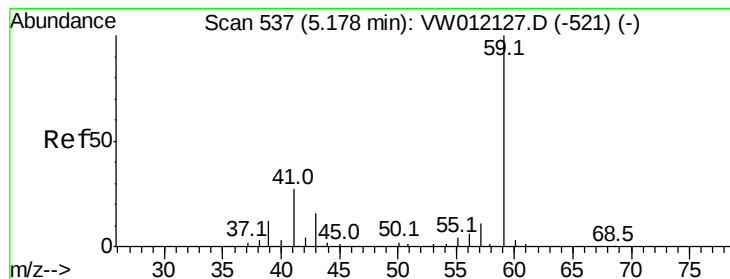
1000

500

0

Time--> 3.60 3.65 3.70 3.75



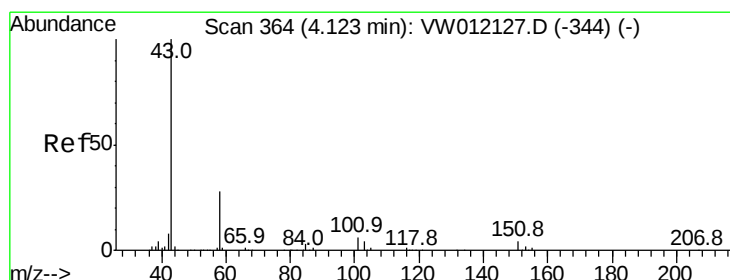
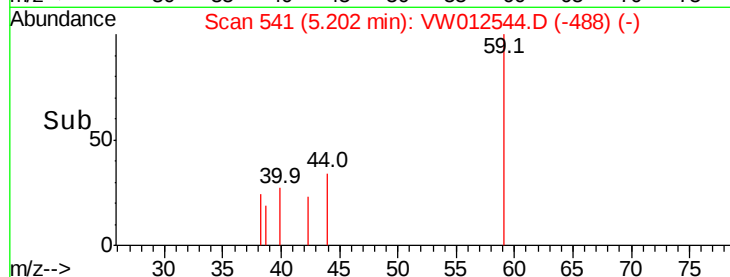
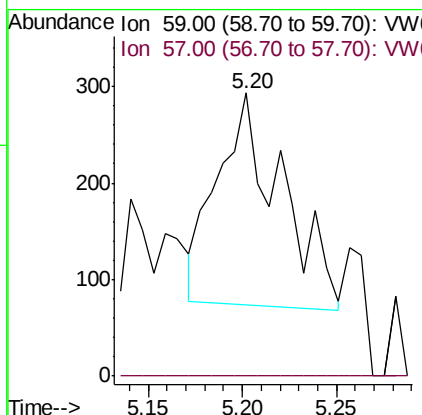
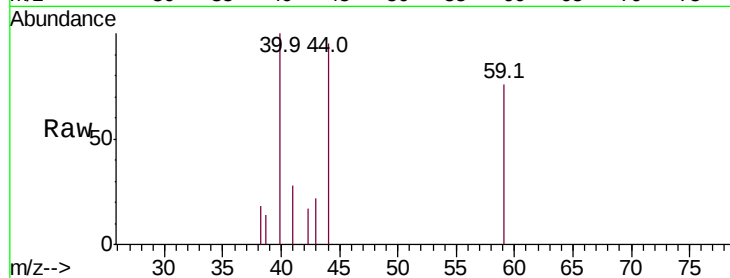


#11

Tert butyl alcohol
Concen: 3.567 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.02 min
Lab File: VW012544.D
Acq: 03 Sep 2019 14:12

Instrument :
MSVOA_W
ClientSampled :

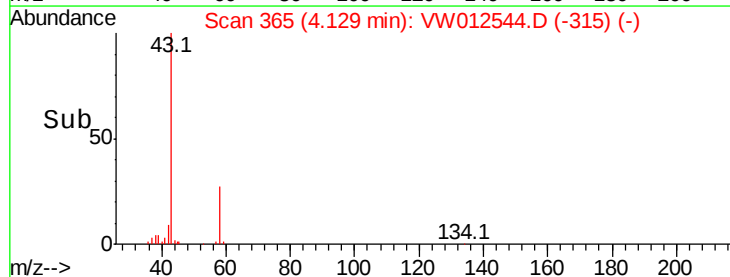
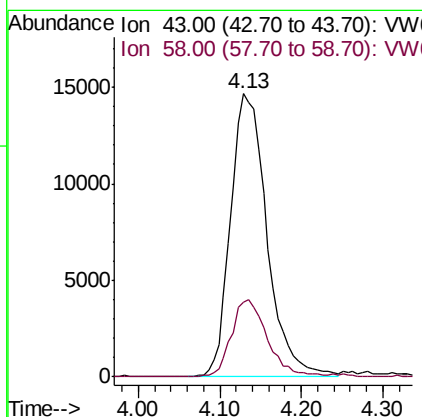
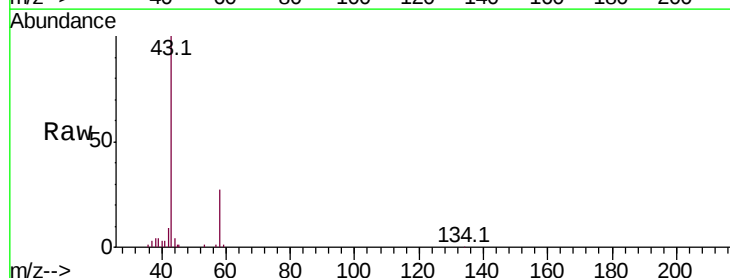
Tot Ion: 59 Resp: 520
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

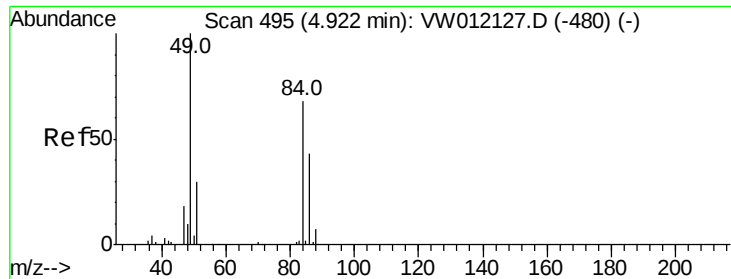


#16

Acetone
Concen: 73.305 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012544.D
Acq: 03 Sep 2019 14:12

Tgt Ion: 43 Resp: 45396
Ion Ratio Lower Upper
43 100
58 26.6 22.4 33.6

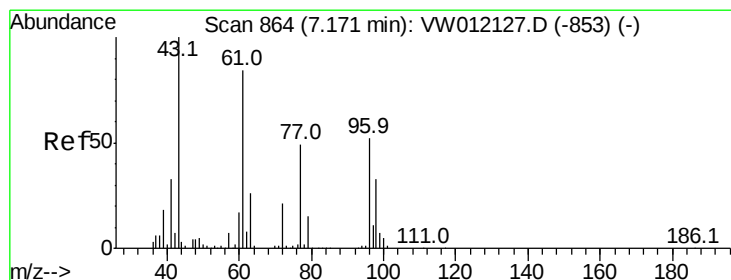
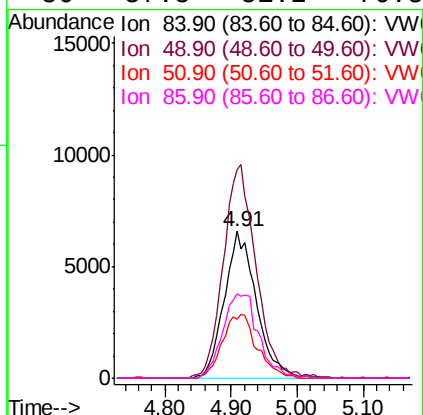
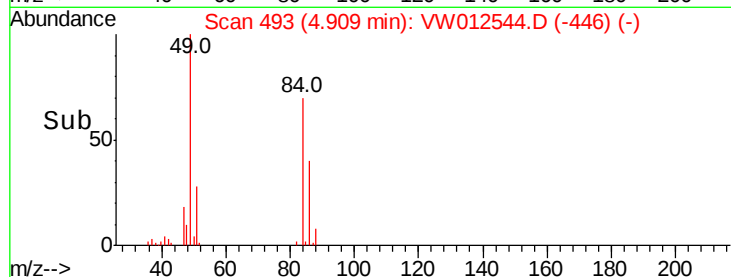
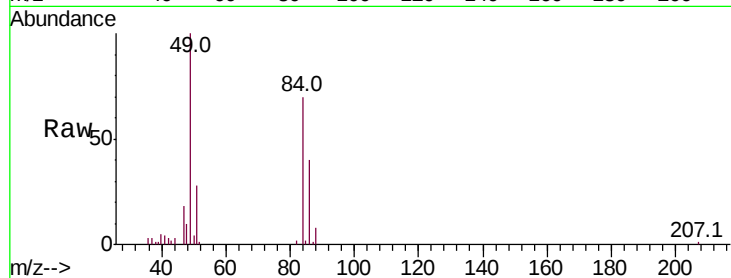




#20
Methvlene Chloride
Concen: 9.435 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012544.D
Acq: 03 Sep 2019 14:12

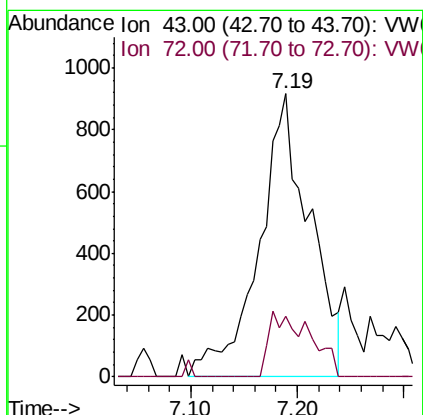
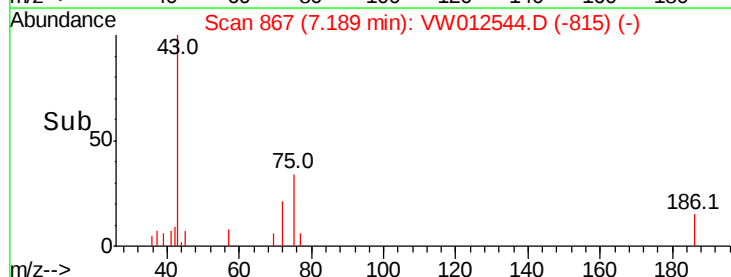
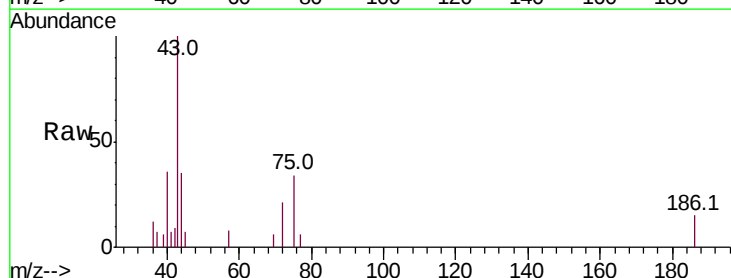
Instrument :
MSVOA_W
ClientSampled :

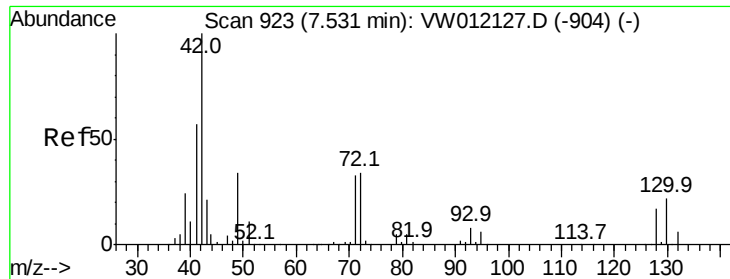
Tot Ion:	84	Resp:	22089
Ion	Ratio	Lower	Upper
84	100		
49	142.2	117.8	176.8
51	40.4	35.6	53.4
86	57.5	51.2	76.8



#25
2-Butanone
Concen: 3.576 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012544.D
Acq: 03 Sep 2019 14:12

Tgt Ion:	43	Resp:	3009
Ion	Ratio	Lower	Upper
43	100		
72	21.3	16.6	24.8





#29

Tetrahydrofuran

Concen: 8.406 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

Instrument :
MSVOA_W
ClientSampled :

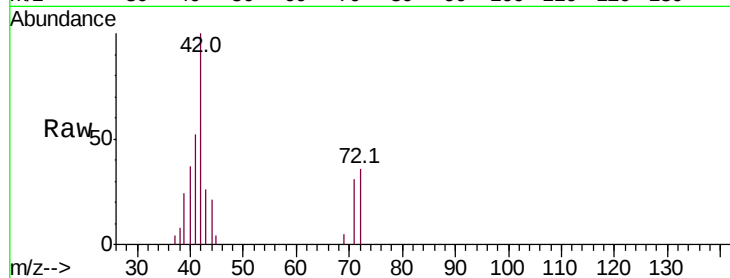
Tot Ion: 42 Resp: 4244

Ion Ratio Lower Upper

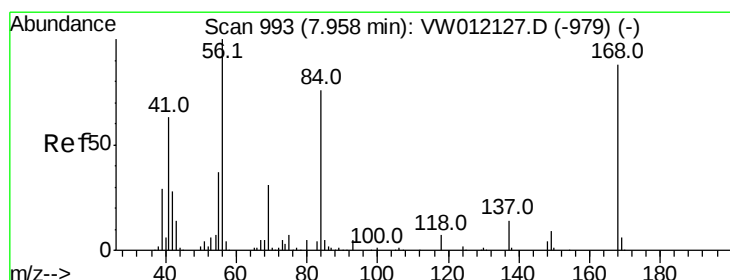
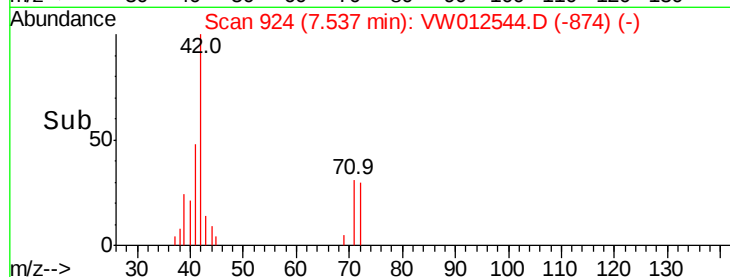
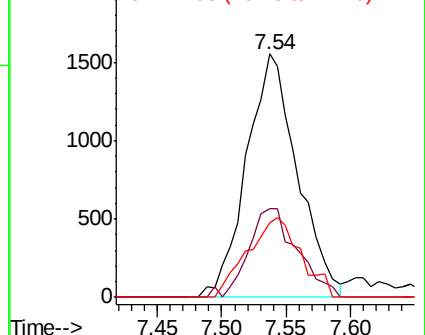
42 100

72 34.7 27.3 40.9

71 34.1 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

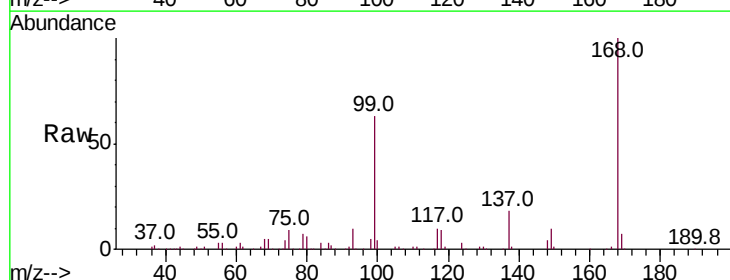
Tgt Ion: 56 Resp: 4838

Ion Ratio Lower Upper

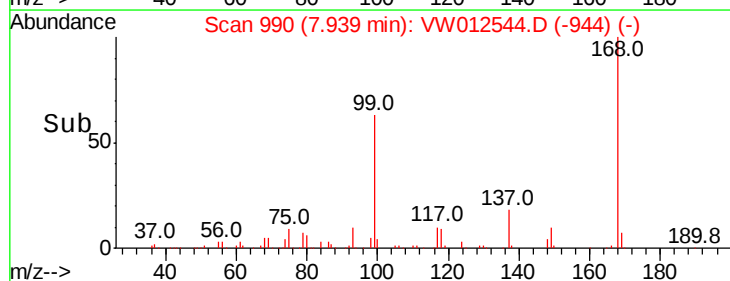
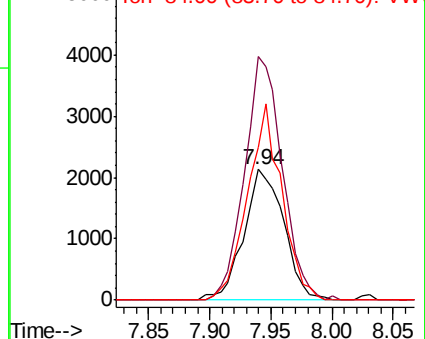
56 100

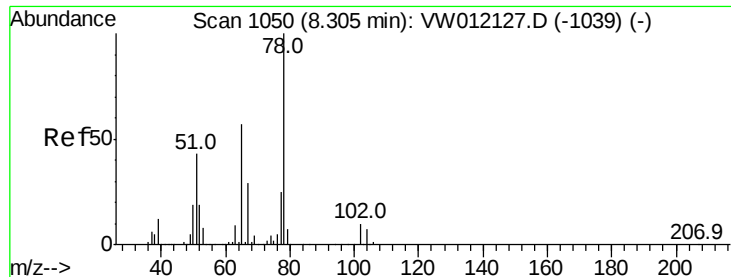
69 186.3 24.9 37.3#

84 117.2 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: 50.844 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

Instrument :

MSVOA_W

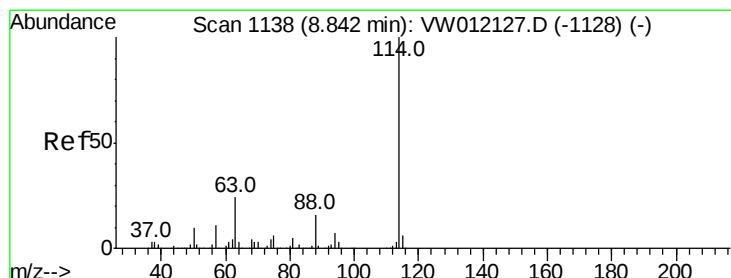
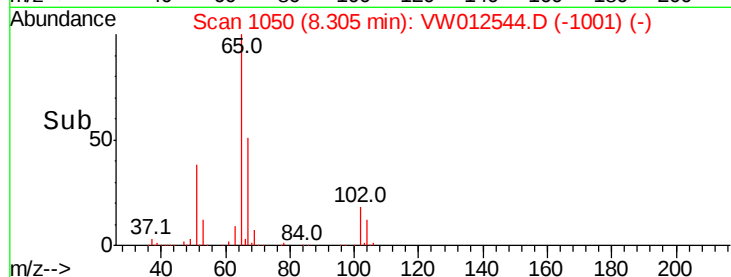
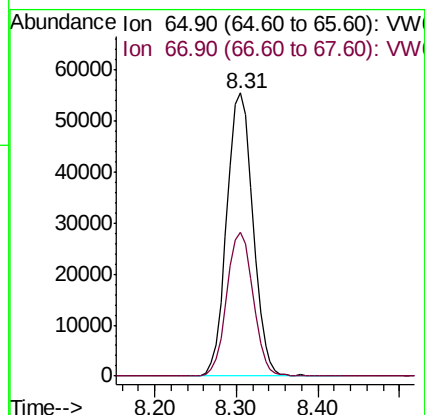
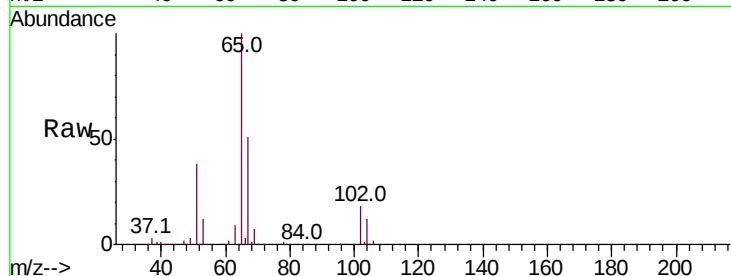
ClientSampleId :

Tot Ion: 65 Resp: 123177

Ion Ratio Lower Upper

65 100

67 51.0 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: VW012544.D

Acq: 03 Sep 2019 14:12

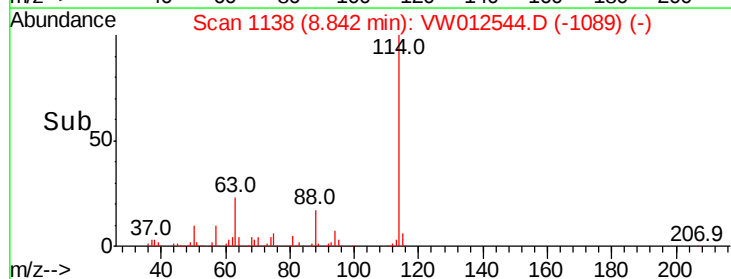
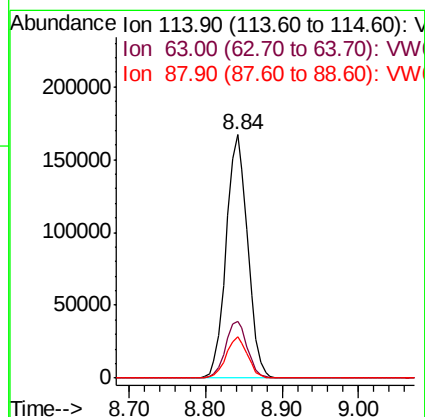
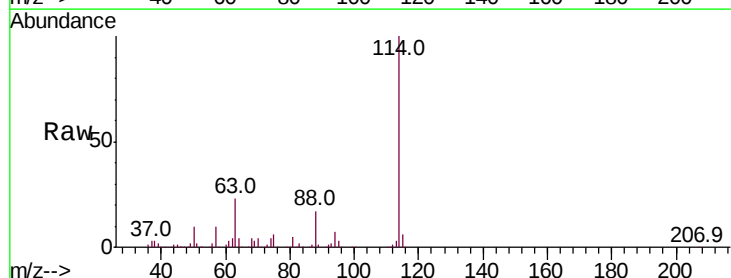
Tgt Ion: 114 Resp: 323491

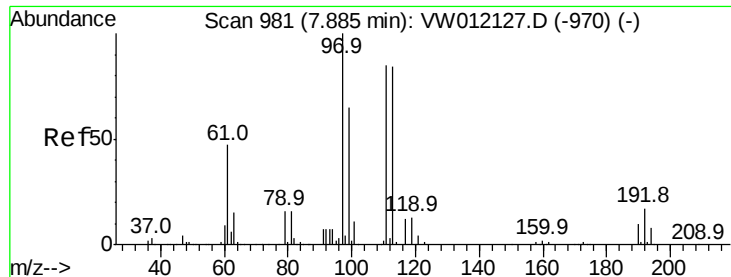
Ion Ratio Lower Upper

114 100

63 23.3 0.0 48.6

88 17.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.101 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :

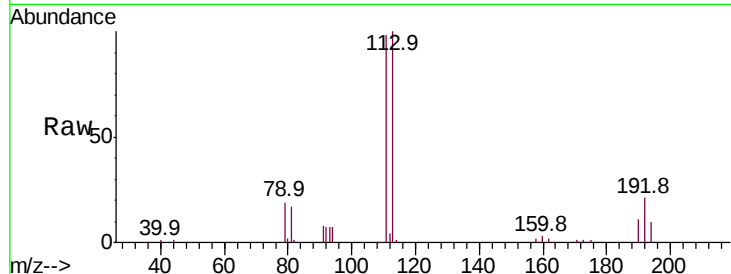
Tot Ion:113 Resp: 98673

Ion Ratio Lower Upper

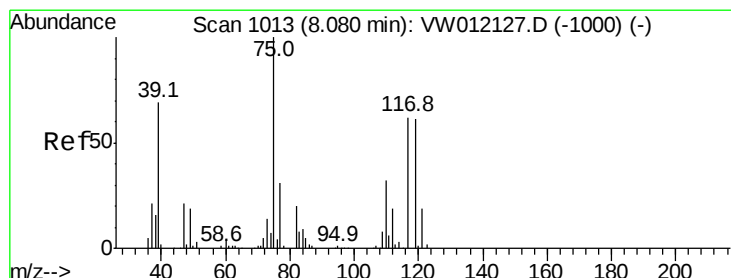
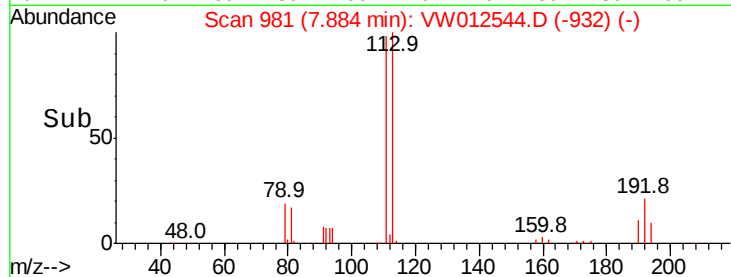
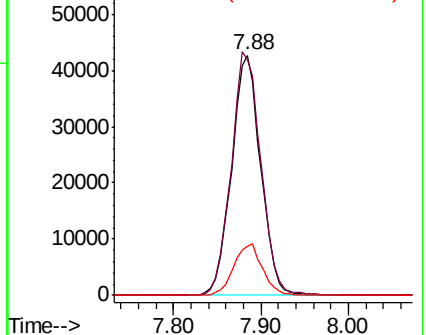
113 100

111 103.4 82.7 124.1

192 21.0 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: 5.008 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

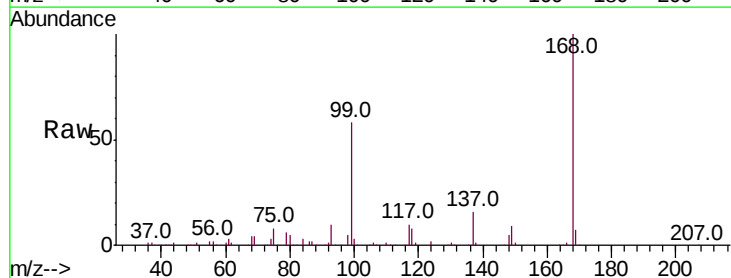
Tgt Ion: 75 Resp: 16740

Ion Ratio Lower Upper

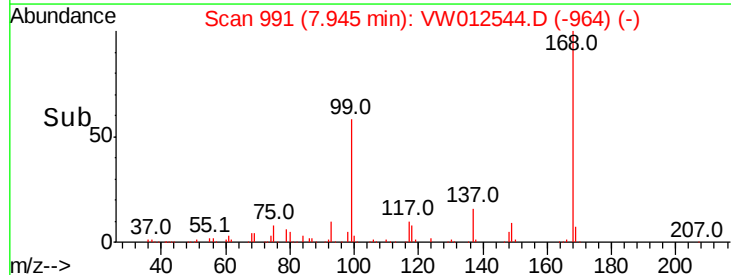
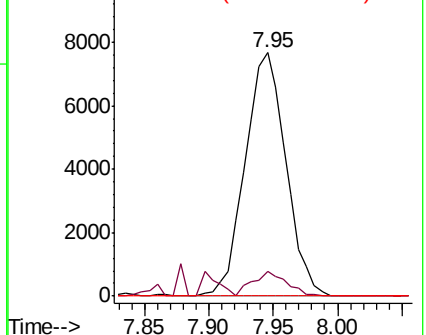
75 100

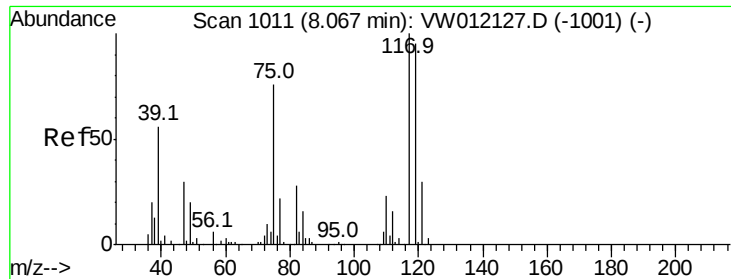
110 8.6 15.6 46.8#

77 0.0 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: 7.006 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

Instrument :
MSVOA_W
ClientSampled :

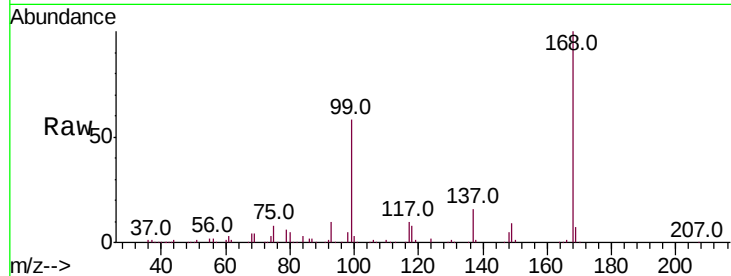
Tot Ion:117 Resp: 20271

Ion Ratio Lower Upper

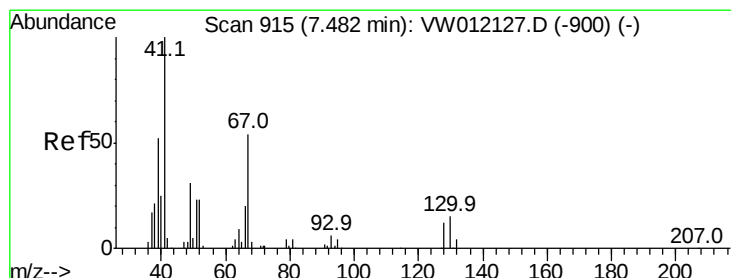
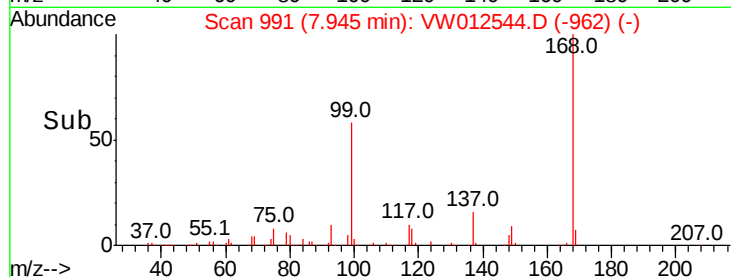
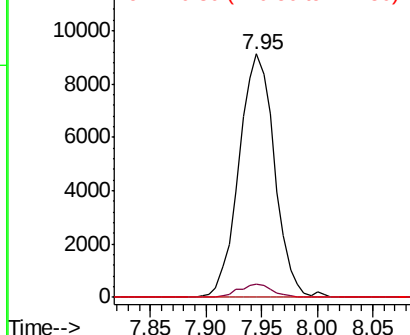
117 100

119 5.6 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



#41

Methacrylonitrile

Concen: 2.438 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

Tgt Ion: 41 Resp: 2625

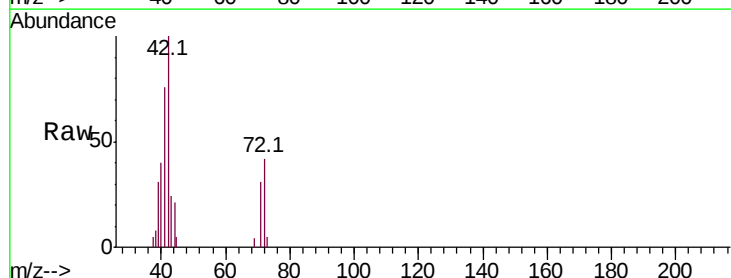
Ion Ratio Lower Upper

41 100

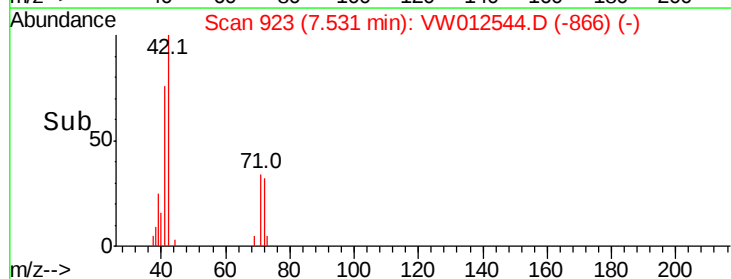
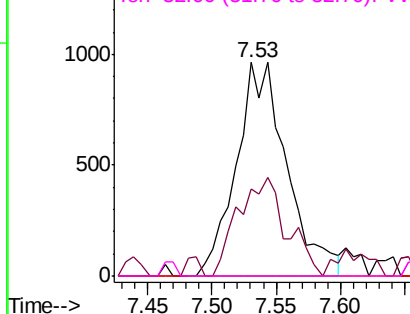
39 44.5 45.8 68.8#

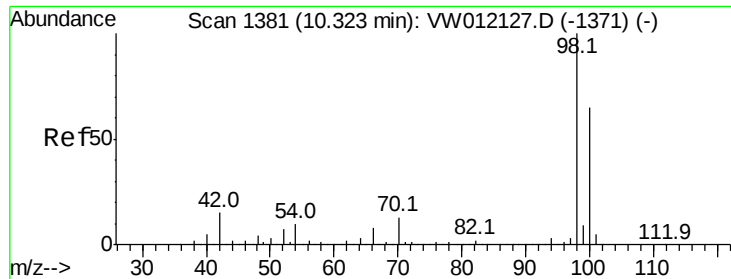
67 0.0 46.2 69.4#

52 0.0 21.0 31.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 48.410 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

Instrument :

MSVOA_W

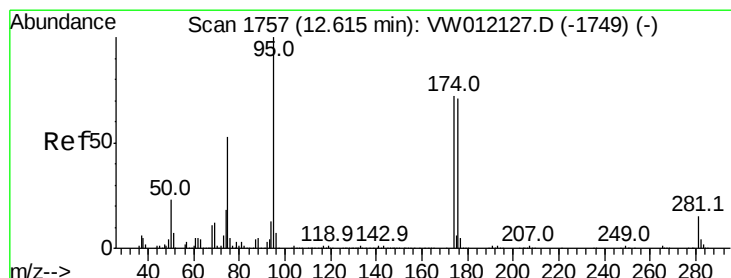
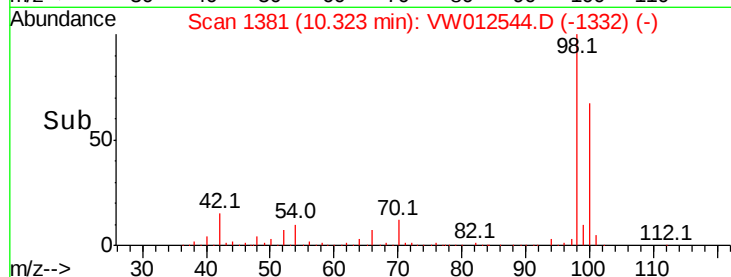
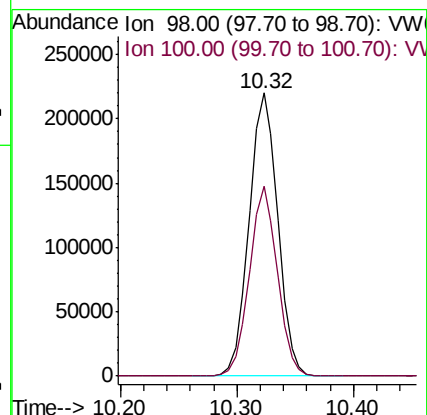
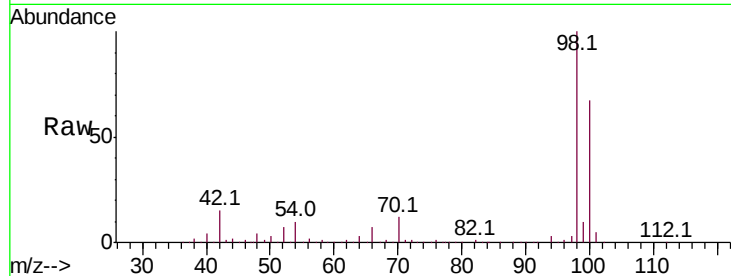
ClientSampleId :

Tot Ion: 98 Resp: 379017

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 33.156 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

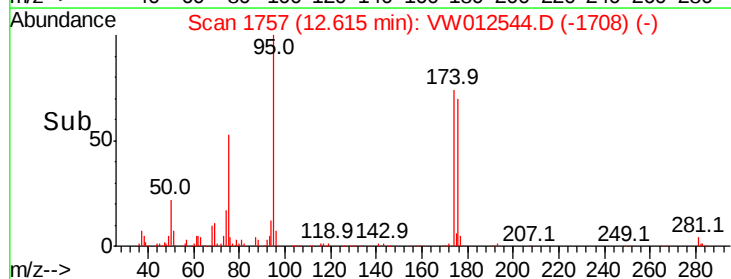
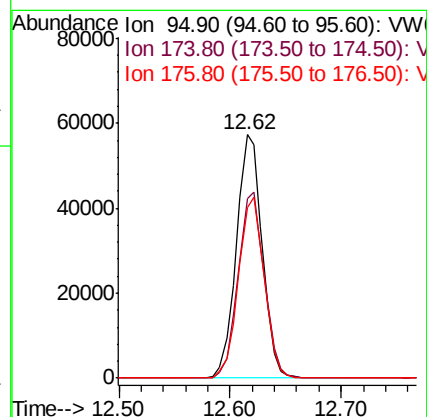
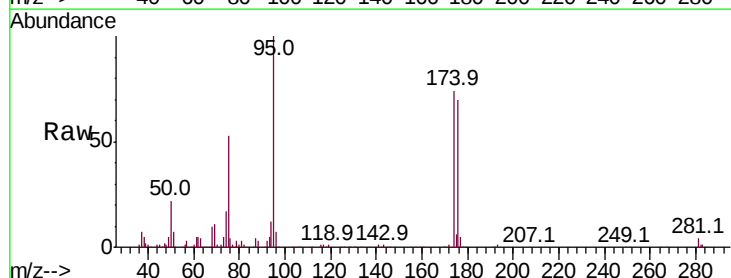
Tgt Ion: 95 Resp: 91505

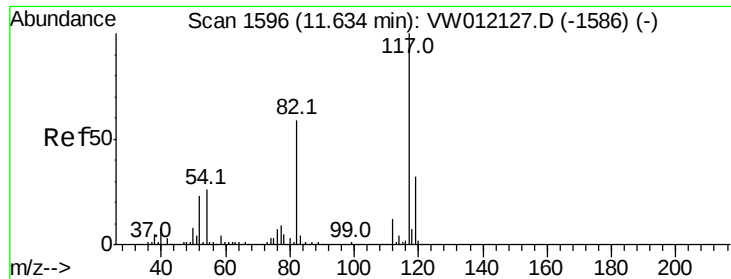
Ion Ratio Lower Upper

95 100

174 77.5 0.0 150.8

176 74.4 0.0 148.6

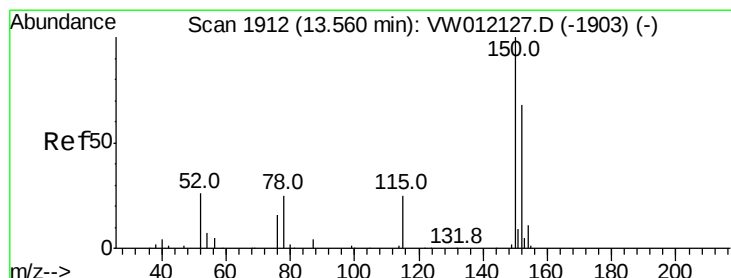
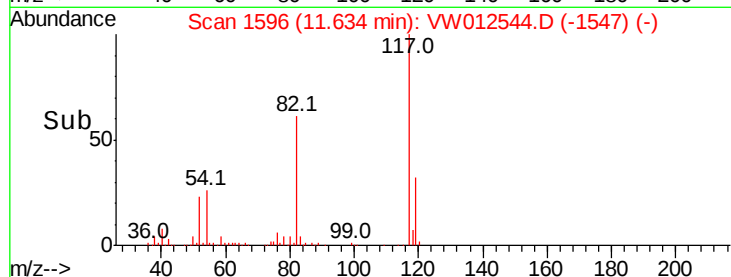
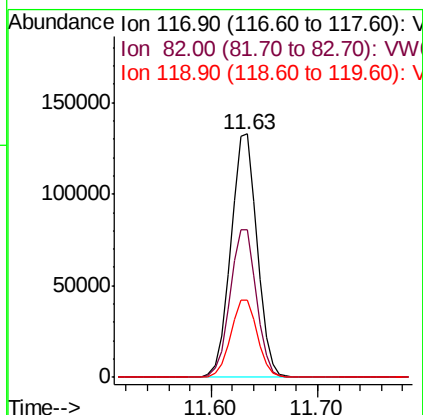
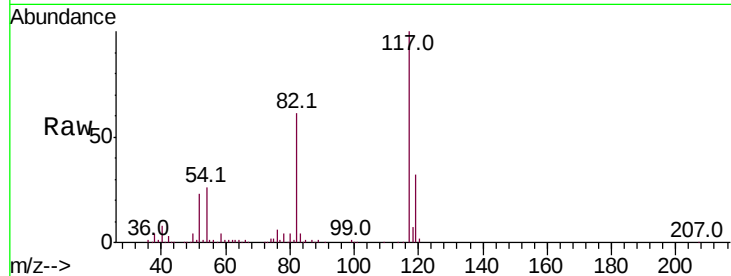




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012544.D
Acq: 03 Sep 2019 14:12

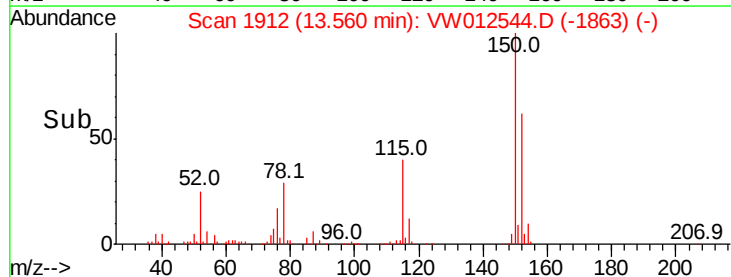
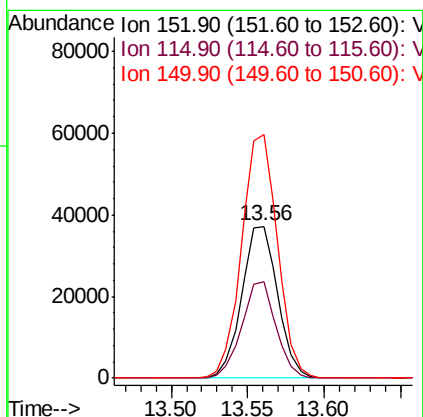
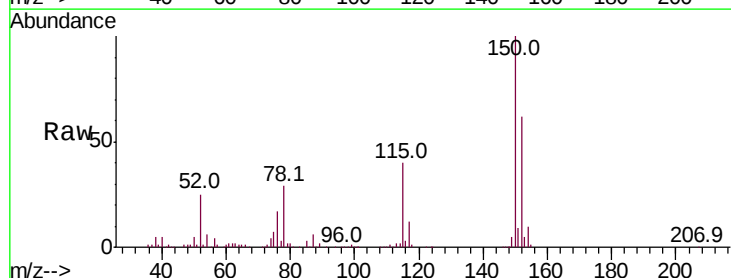
Instrument :
MSVOA_W
ClientSampleId :

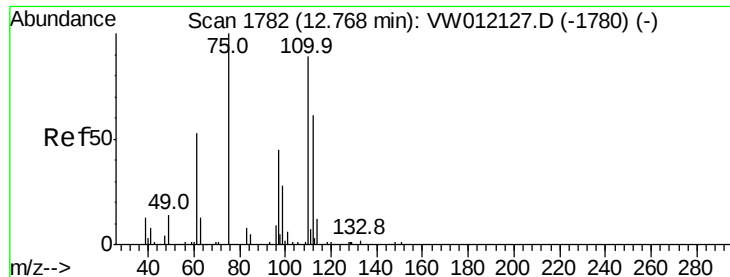
Tot Ion:117 Resp: 230423
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012544.D
Acq: 03 Sep 2019 14:12

Tgt Ion:152 Resp: 60659
Ion Ratio Lower Upper
152 100
115 61.0 30.1 90.3
150 160.0 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 81.222 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

Instrument :

MSVOA_W

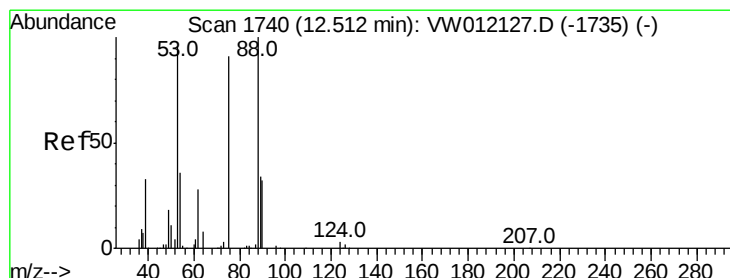
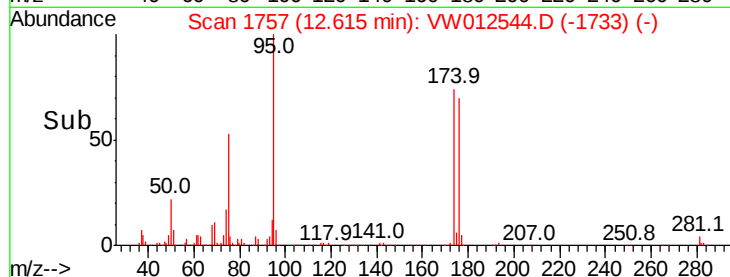
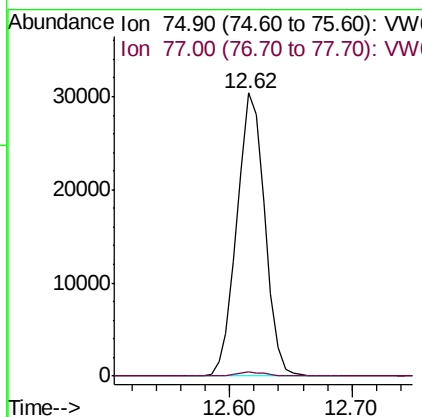
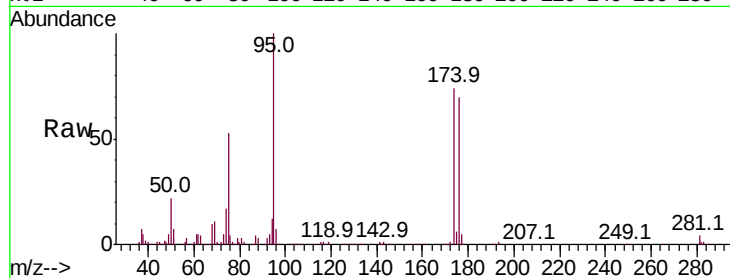
ClientSampleId :

Tot Ion: 75 Resp: 47984

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 178.082 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

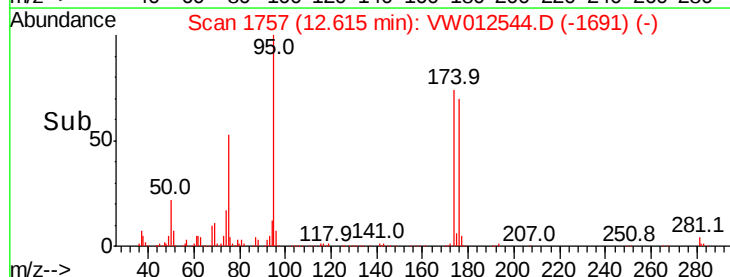
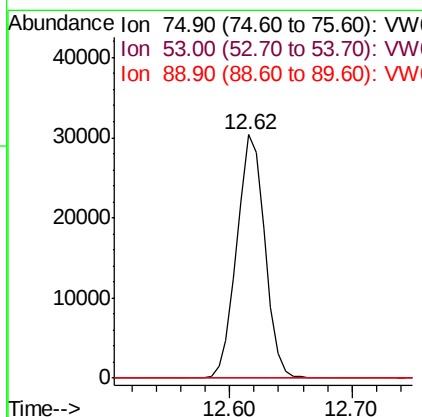
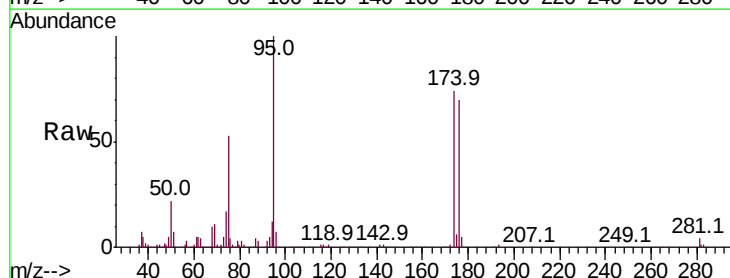
Tgt Ion: 75 Resp: 47984

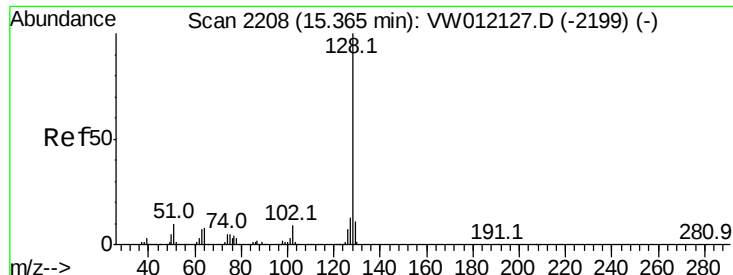
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.463 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

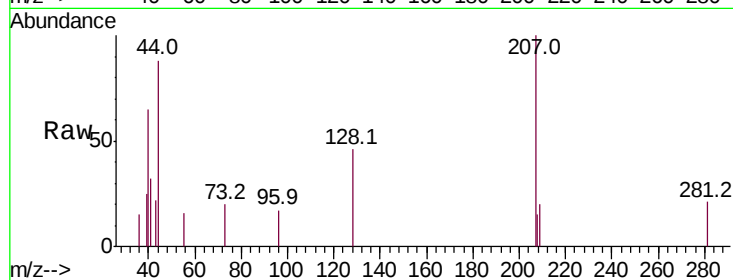
Lab File: VW012544.D

Acq: 03 Sep 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :



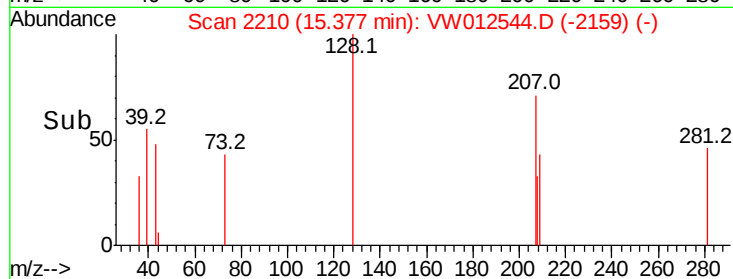
Tot Ion:128 Resp: 355

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

