

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011449.D
 Acq On : 23 Jul 2019 23:34
 Operator : SY/VA
 Sample : K3868-07
 Misc : 5.52G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2

Quant Time: Jul 24 06:40:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	418658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143976	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	164629	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
35) Dibromofluoromethane	7.88	113	127524	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	10.32	98	516297	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.62	95	167187	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

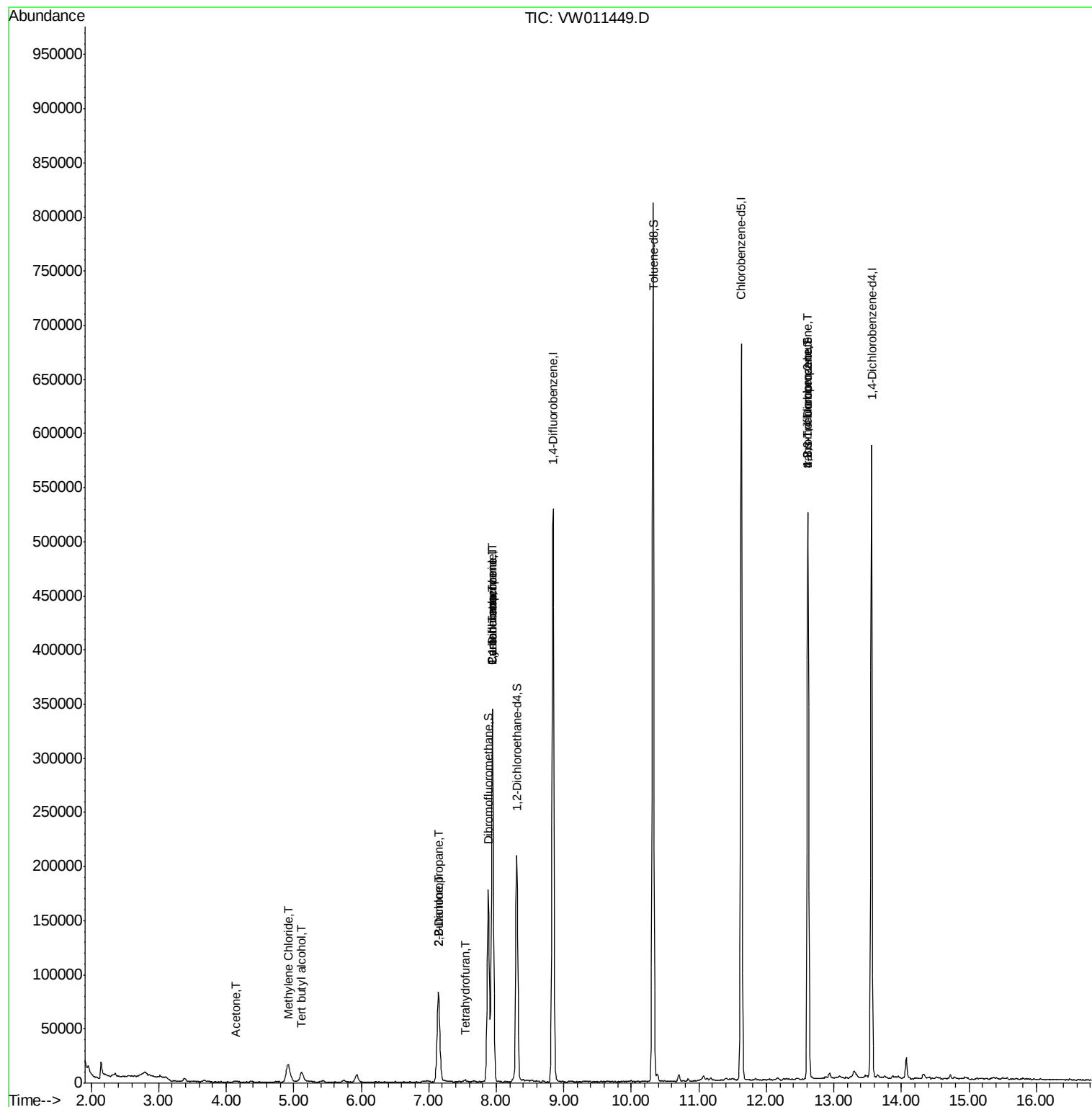
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	8904	38.316	ug/l #	74
16) Acetone	4.14	43	1196	1.584	ug/l #	88
18) Methyl Acetate	4.66	43	344	Below Cal	#	57
20) Methylene Chloride	4.92	84	12270	4.118	ug/l	90
25) 2-Butanone	7.14	43	5270	4.445	ug/l #	77
26) 2,2-Dichloropropane	7.15	77	6017	2.025	ug/l #	53
29) Tetrahydrofuran	7.54	42	1760	2.264	ug/l #	81
31) Cyclohexane	7.95	56	6509	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22004	4.936	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25337	6.704	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	91337	54.896	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91337	124.164	ug/l #	6

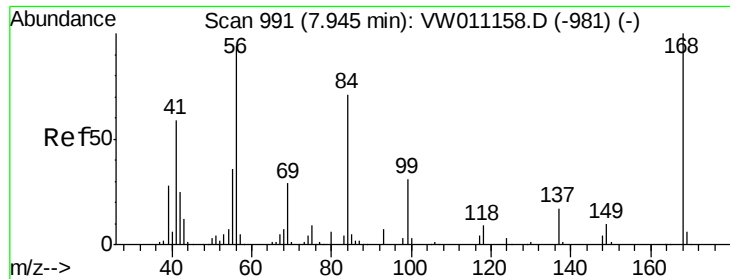
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072419\
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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: VW011449.D

Acq: 23 Jul 2019 23:34

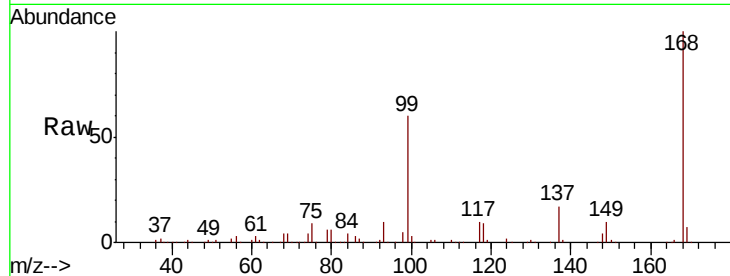
Instrument :
MSVOA_W
ClientSampleId :
TP-2

Tot Ion:168 Resp: 249792

Ion Ratio Lower Upper

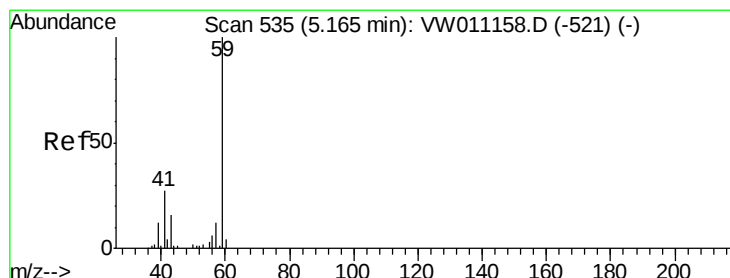
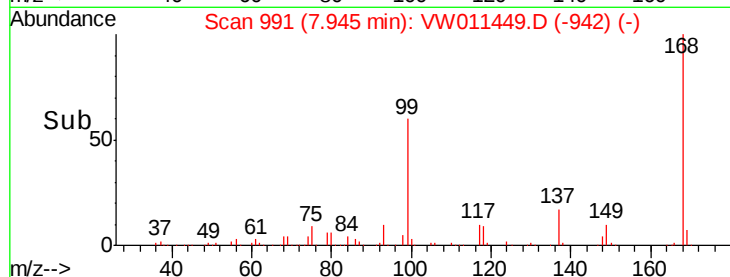
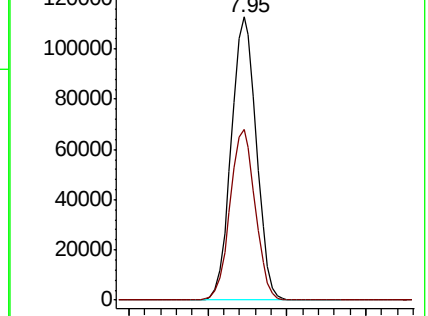
168 100

99 60.2 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 38.316 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011449.D

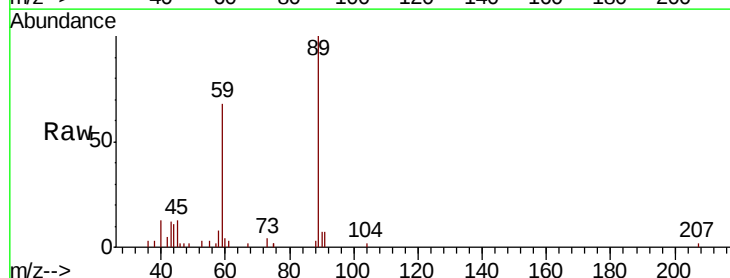
Acq: 23 Jul 2019 23:34

Tgt Ion: 59 Resp: 8904

Ion Ratio Lower Upper

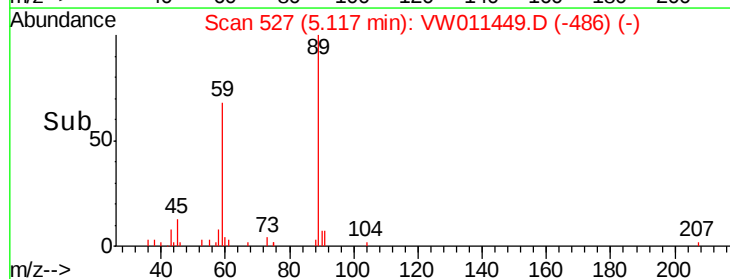
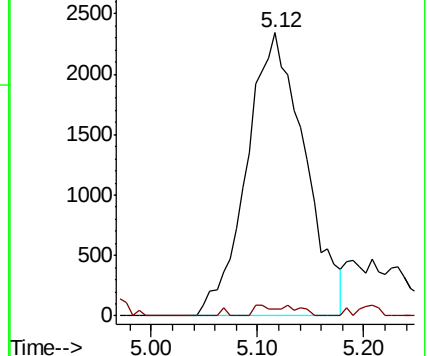
59 100

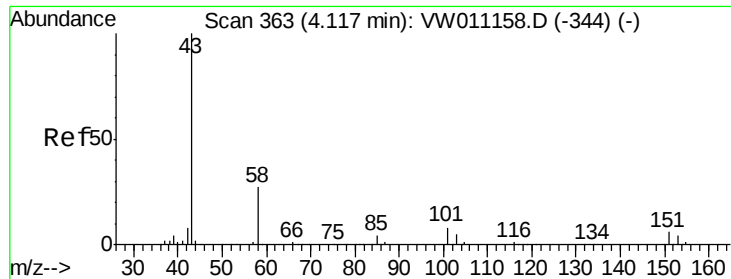
57 1.3 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.584 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011449.D

Acq: 23 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampled :

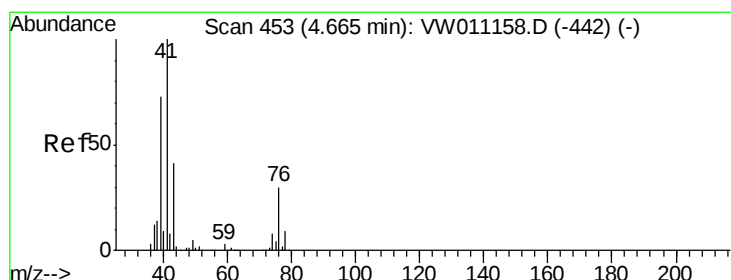
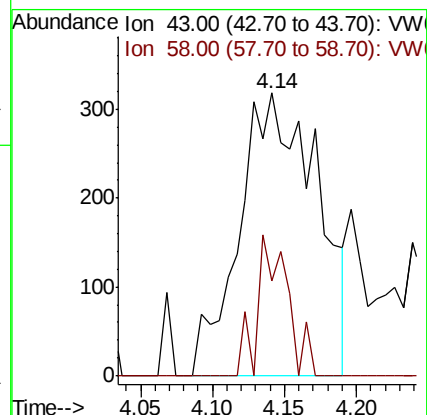
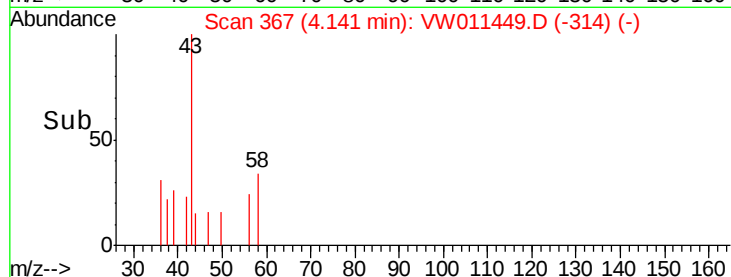
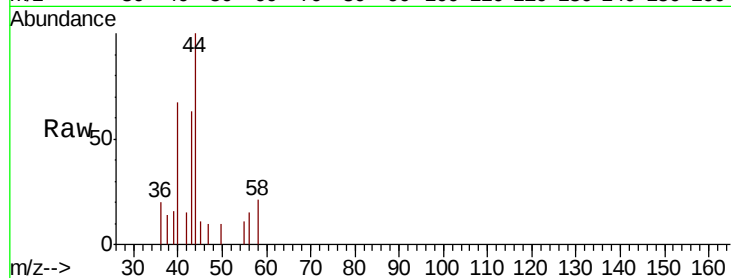
TP-2

Tot Ion: 43 Resp: 1196

Ion Ratio Lower Upper

43 100

58 33.6 21.8 32.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011449.D

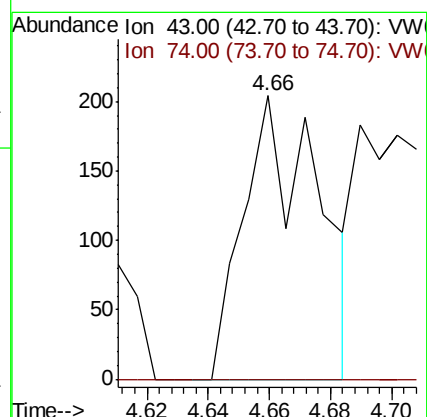
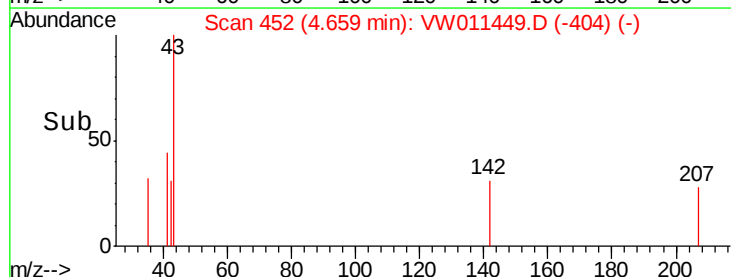
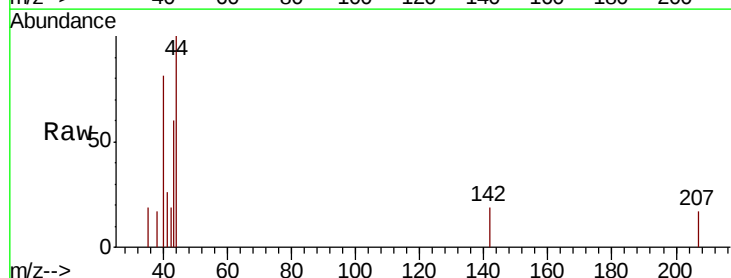
Acq: 23 Jul 2019 23:34

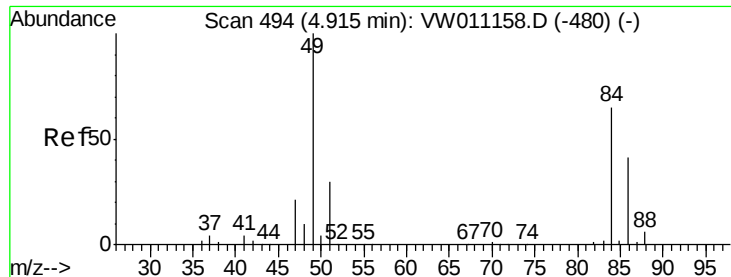
Tgt Ion: 43 Resp: 344

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

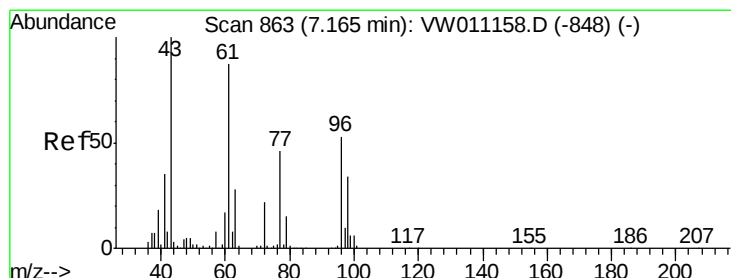
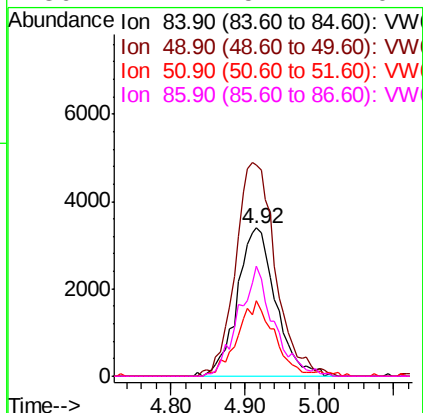
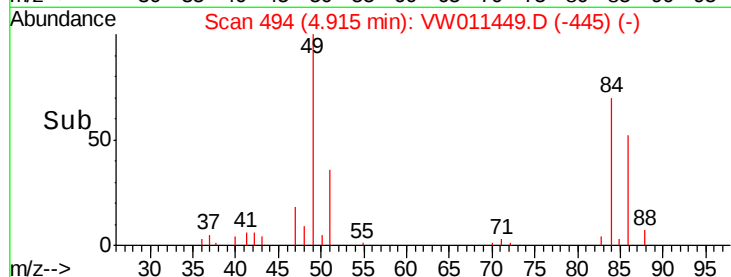
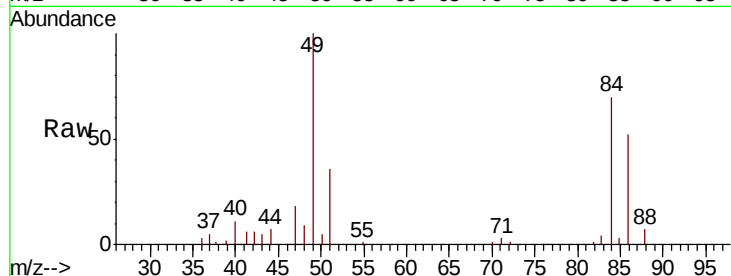




#20
Methvlene Chloride
Concen: 4.118 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011449.D
Acq: 23 Jul 2019 23:34

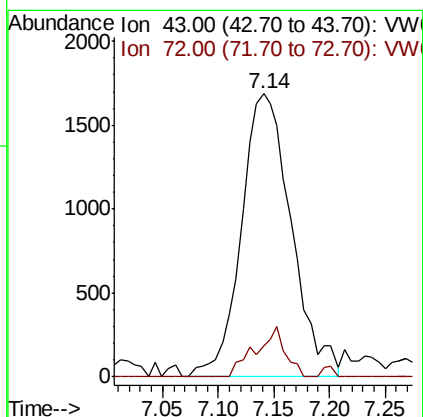
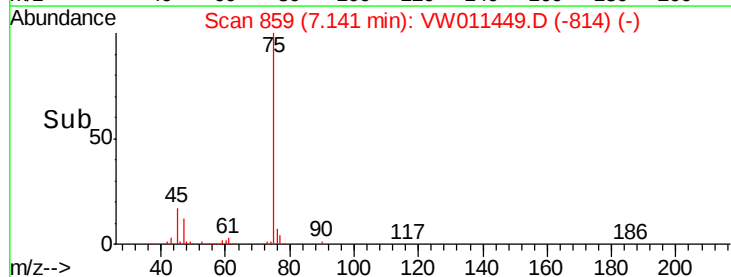
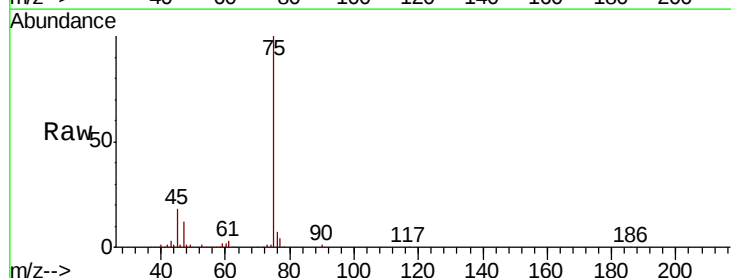
Instrument :
MSVOA_W
ClientSampled :
TP-2

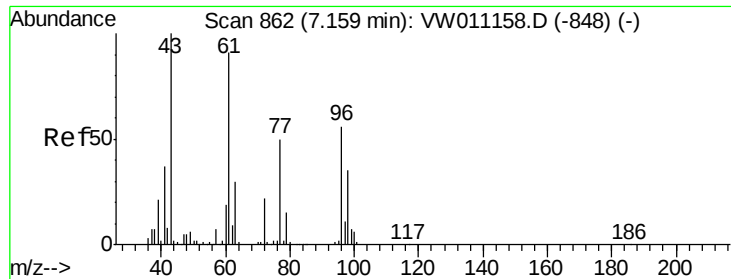
Tot Ion: 84 Resp: 12270
Ion Ratio Lower Upper
84 100
49 142.5 123.8 185.6
51 51.2 37.4 56.2
86 74.1 51.1 76.7



#25
2-Butanone
Concen: 4.445 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011449.D
Acq: 23 Jul 2019 23:34

Tgt Ion: 43 Resp: 5270
Ion Ratio Lower Upper
43 100
72 11.1 17.6 26.4#

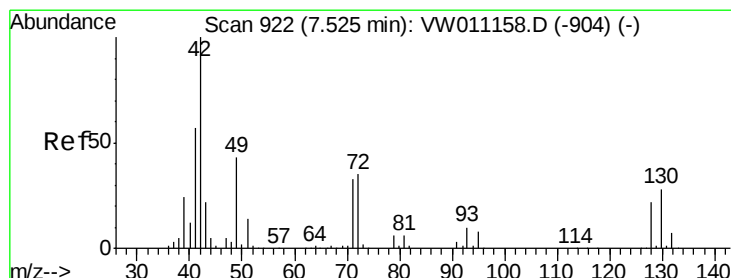
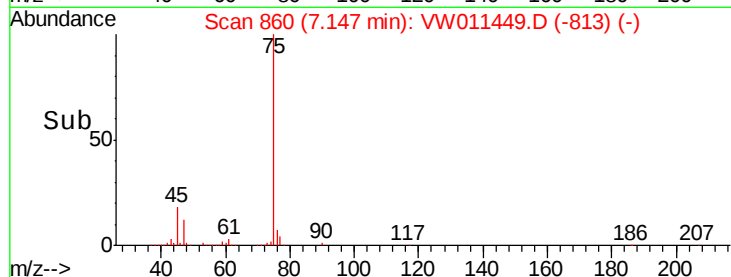
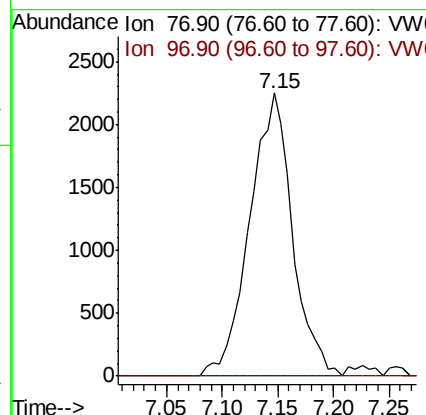
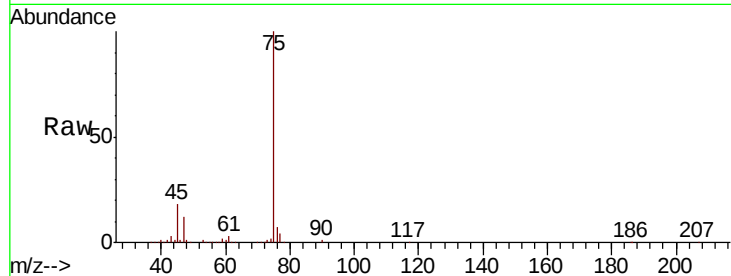




#26
 2,2-Dichloropropane
 Concen: 2.025 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW011449.D
 Acq: 23 Jul 2019 23:34

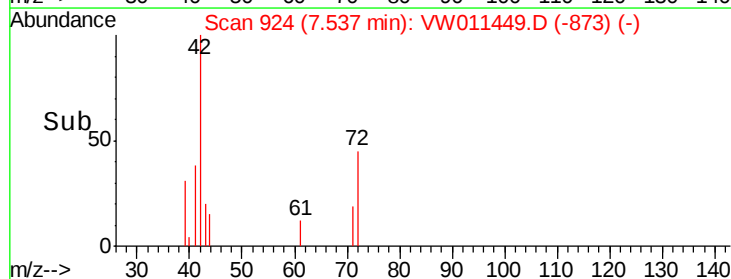
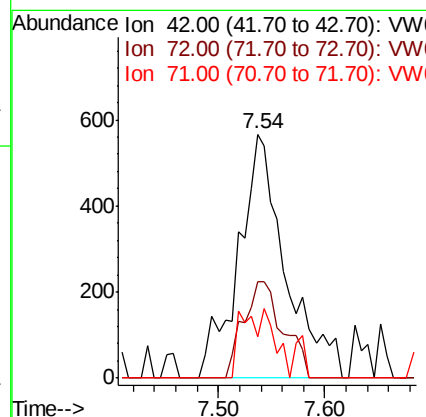
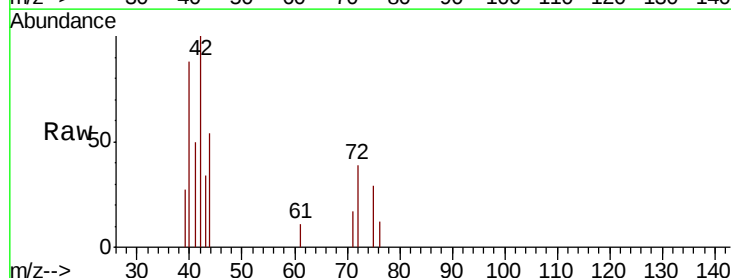
Instrument :
 MSVOA_W
 ClientSampled :
 TP-2

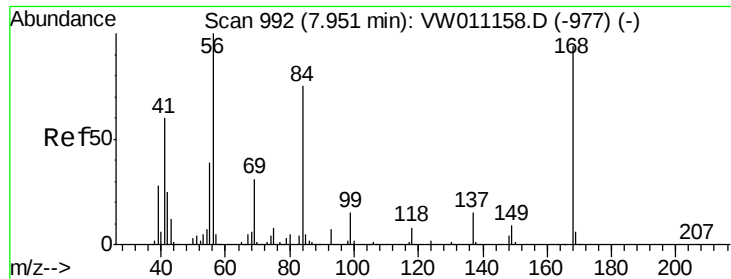
Tot Ion: 77 Resp: 6017
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.5#



#29
 Tetrahydrofuran
 Concen: 2.264 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW011449.D
 Acq: 23 Jul 2019 23:34

Tgt Ion: 42 Resp: 1760
 Ion Ratio Lower Upper
 42 100
 72 33.4 27.4 41.2
 71 10.9 25.9 38.9#

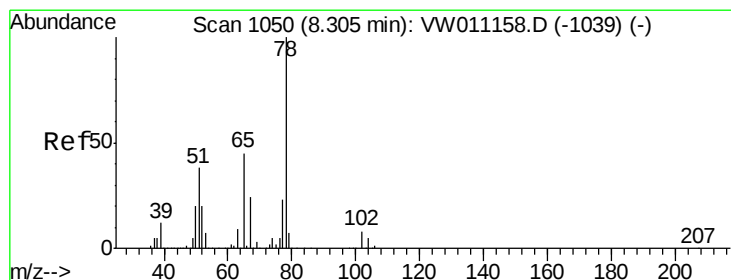
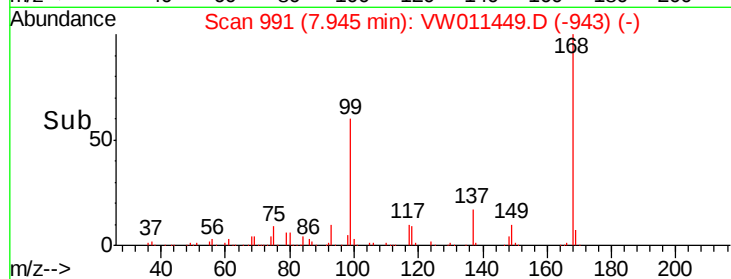
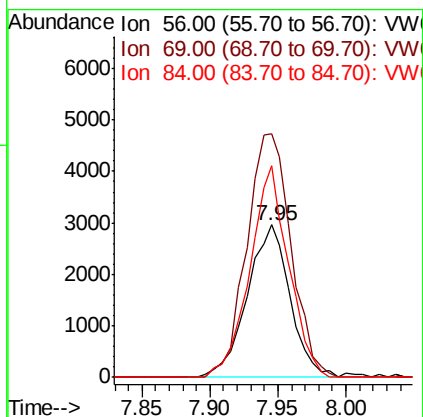
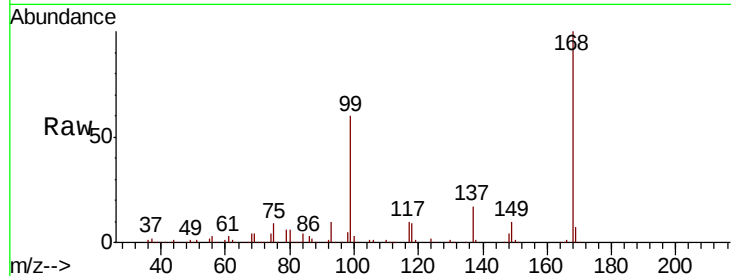




#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011449.D
Acq: 23 Jul 2019 23:34

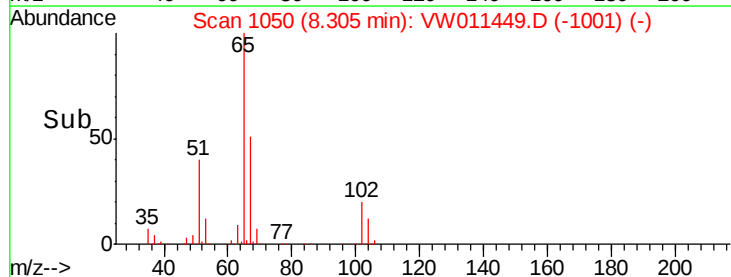
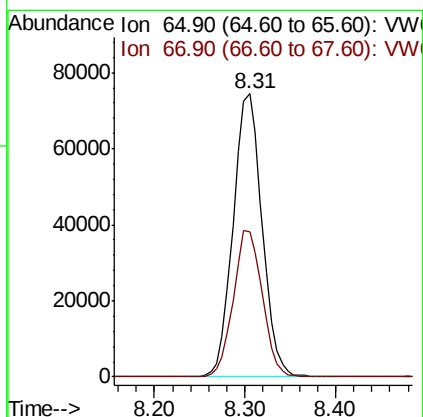
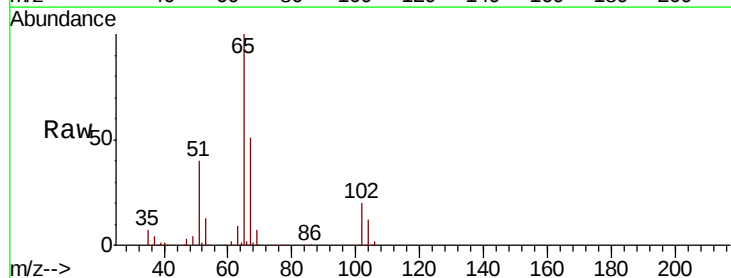
Instrument :
MSVOA_W
ClientSampled :
TP-2

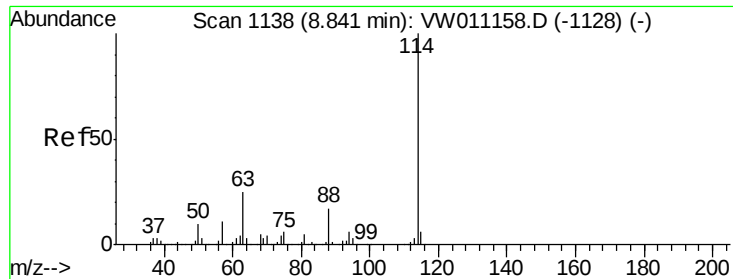
Tot Ion: 56 Resp: 6509
Ion Ratio Lower Upper
56 100
69 160.0 24.6 36.8#
84 139.1 60.1 90.1#



#33
1,2-Dichloroethane-d4
Concen: 52.451 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011449.D
Acq: 23 Jul 2019 23:34

Tgt Ion: 65 Resp: 164629
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.4

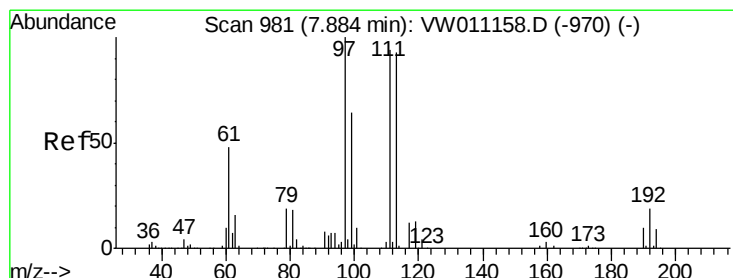
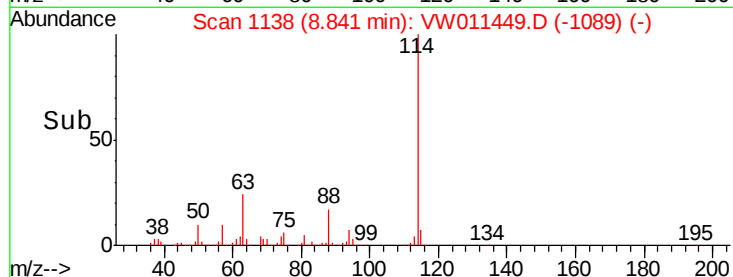
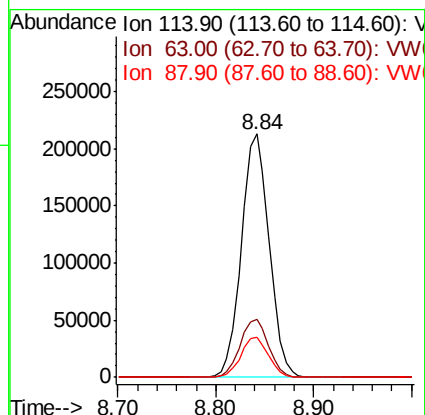
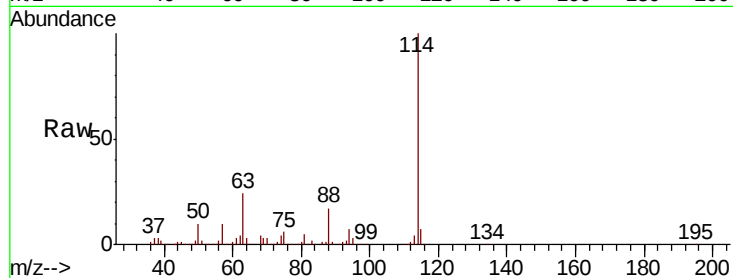




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011449.D
 Acq: 23 Jul 2019 23:34

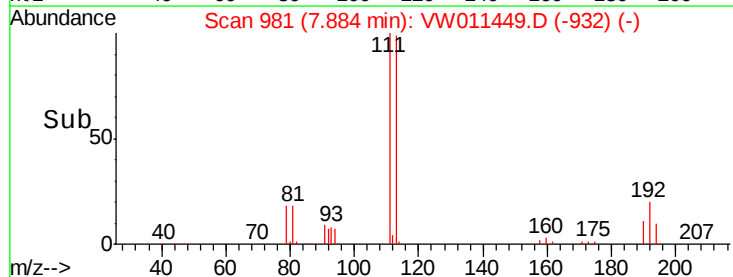
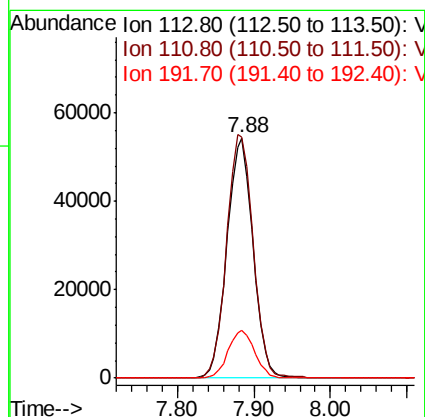
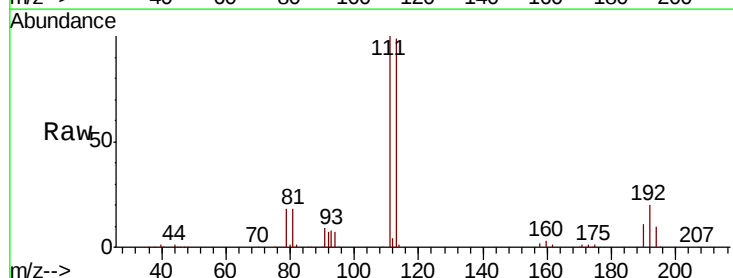
Instrument :
 MSVOA_W
 ClientSampled :
 TP-2

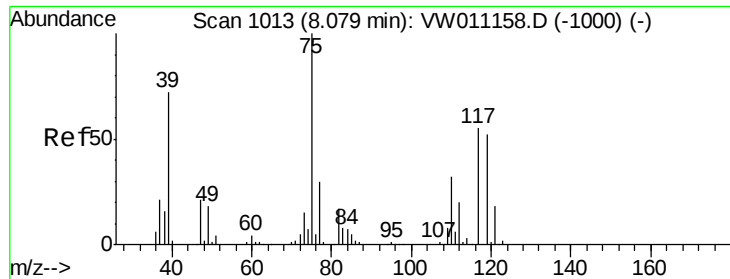
Tot Ion:114 Resp: 418658
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 50.8
 88 16.5 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 51.104 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011449.D
 Acq: 23 Jul 2019 23:34

Tgt Ion:113 Resp: 127524
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.4 123.6
 192 20.2 15.8 23.8

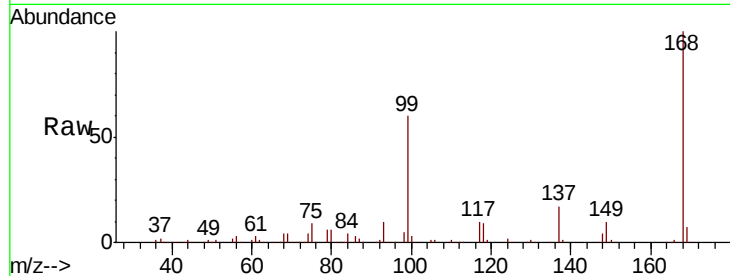




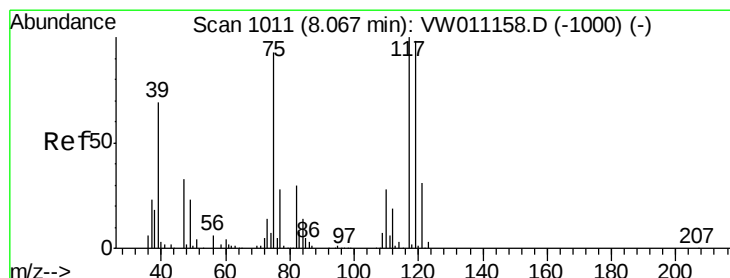
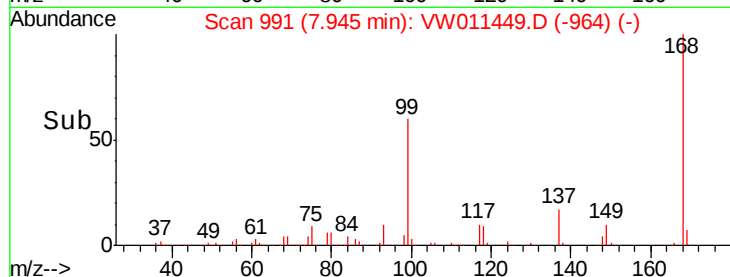
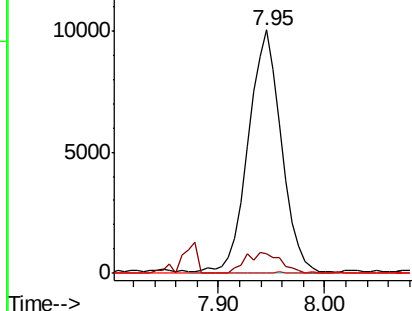
#36
 1,1-Dichloropropene
 Concen: 4.936 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011449.D
 Acq: 23 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampled :
 TP-2

Tot Ion: 75 Resp: 22004
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.9 47.6#
 77 0.1 24.6 36.8#

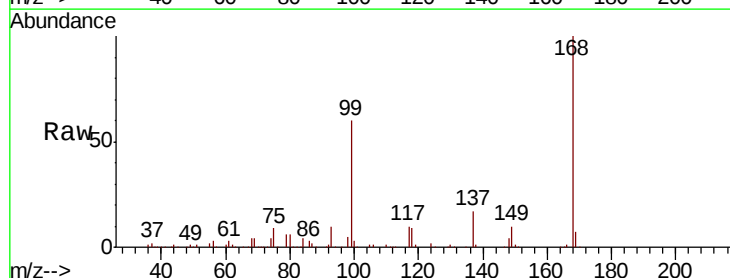


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

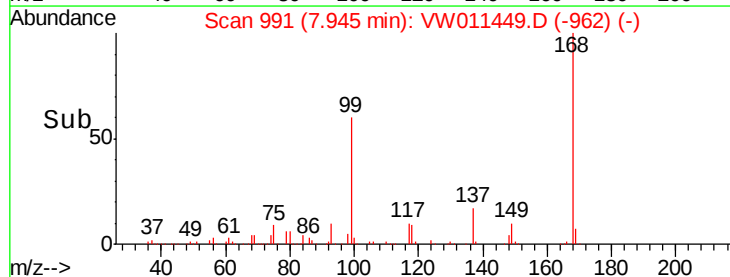
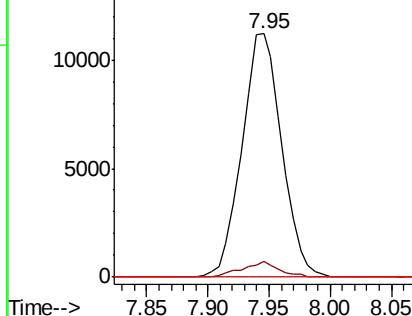


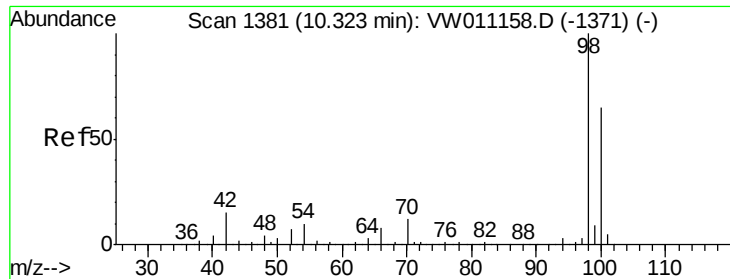
#38
 Carbon Tetrachloride
 Concen: 6.704 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011449.D
 Acq: 23 Jul 2019 23:34

Tgt Ion: 117 Resp: 25337
 Ion Ratio Lower Upper
 117 100
 119 6.5 78.1 117.1#
 121 0.0 25.1 37.7#



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: 51.186 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011449.D

Acq: 23 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

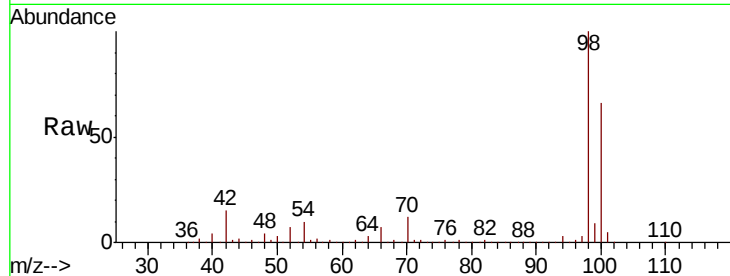
TP-2

Tot Ion: 98 Resp: 516297

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

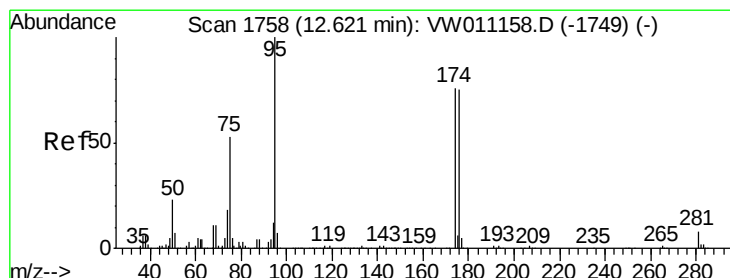
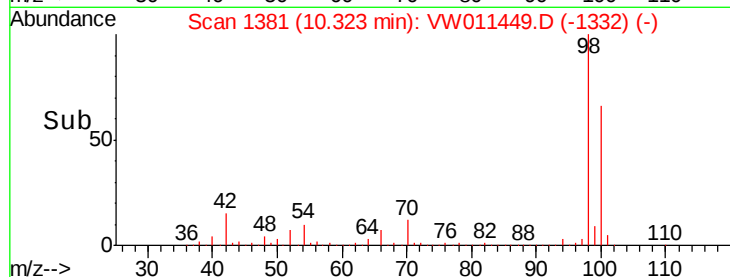
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.221 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011449.D

Acq: 23 Jul 2019 23:34

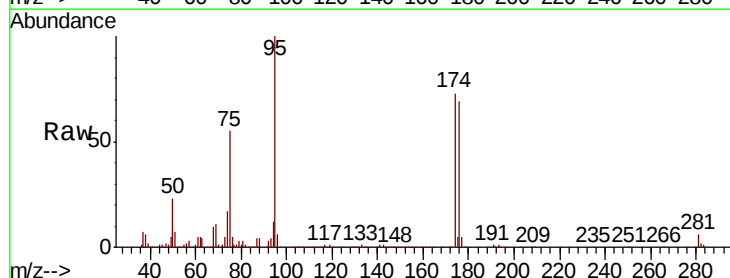
Tgt Ion: 95 Resp: 167187

Ion Ratio Lower Upper

95 100

174 75.9 0.0 147.6

176 72.4 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

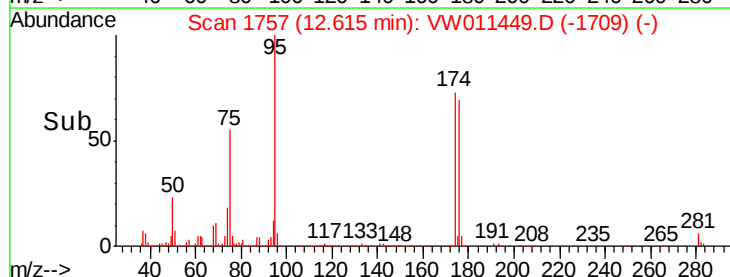
12.62

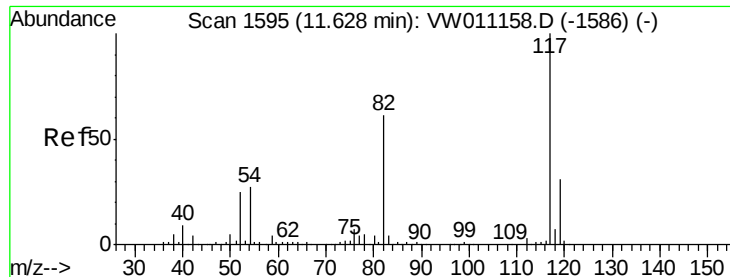
100000

50000

0

Time-->

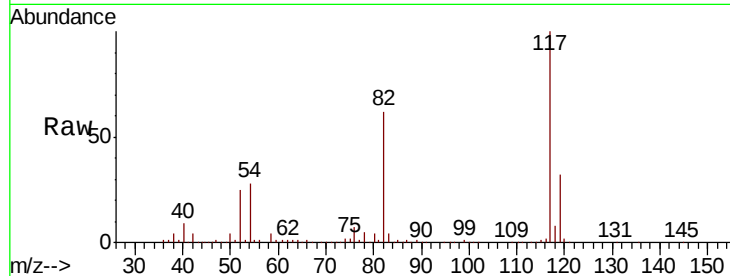




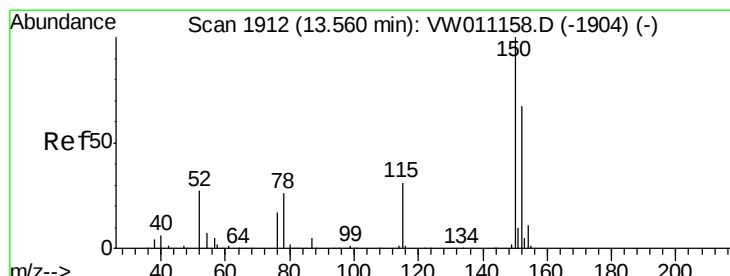
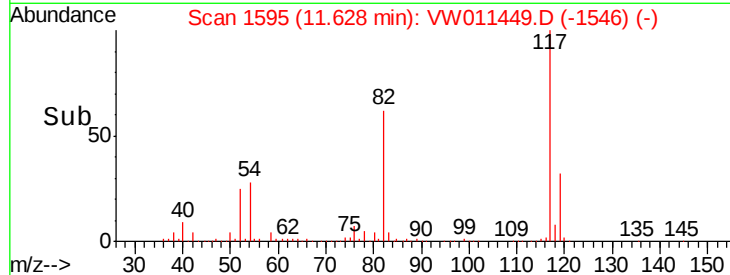
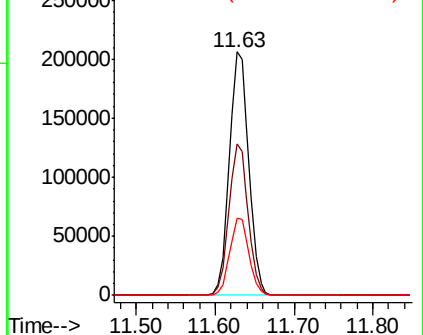
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011449.D
Acq: 23 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampled :
TP-2

Tot Ion:117 Resp: 352151
Ion Ratio Lower Upper
117 100
82 62.0 48.9 73.3
119 31.5 25.0 37.6

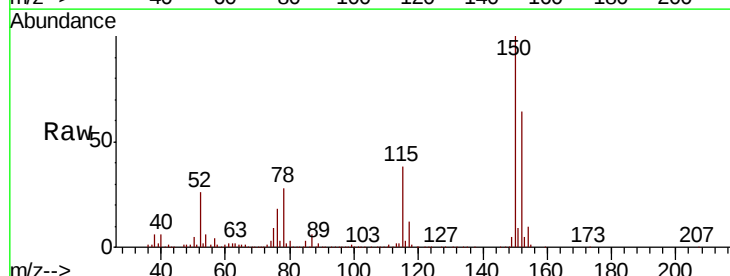


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

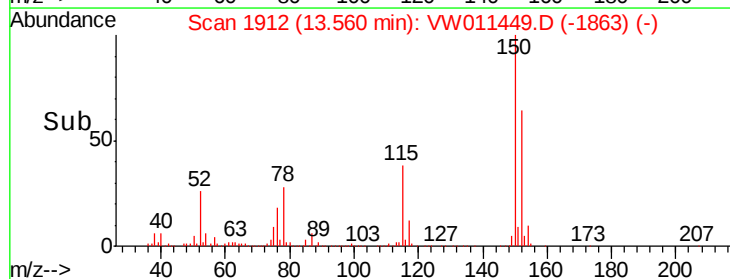
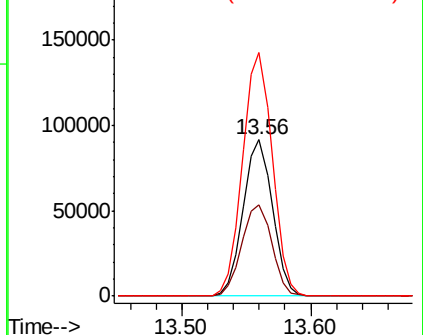


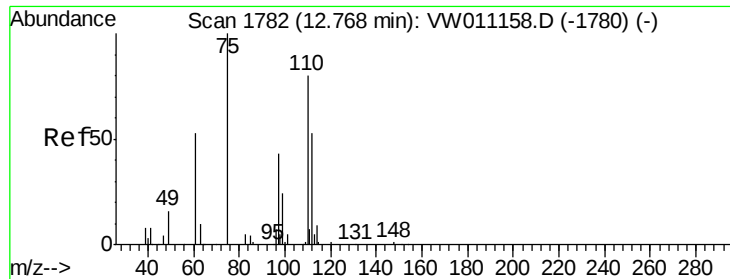
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011449.D
Acq: 23 Jul 2019 23:34

Tgt Ion:152 Resp: 143976
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.3
150 157.8 0.0 346.0



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: 54.896 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011449.D

Acq: 23 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

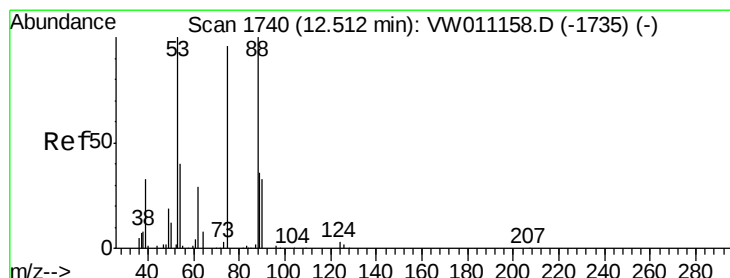
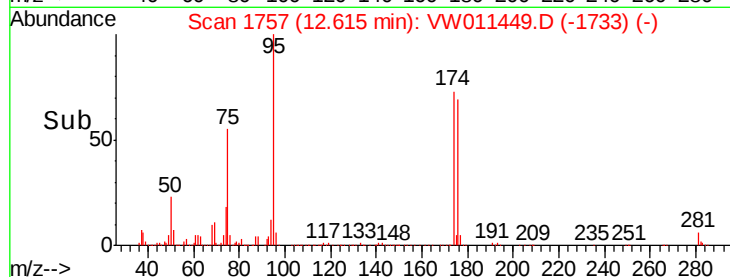
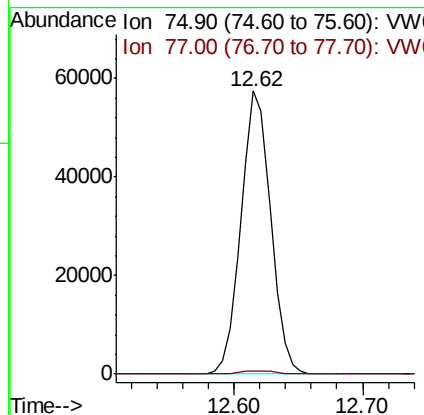
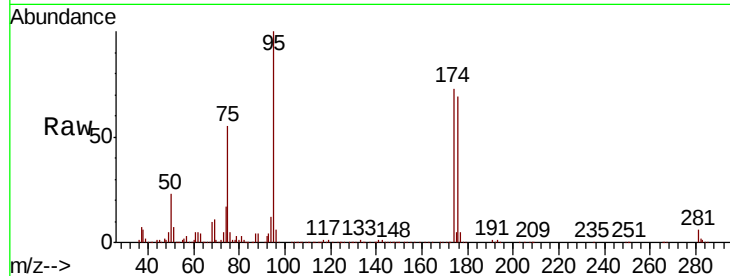
TP-2

Tot Ion: 75 Resp: 91337

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.164 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011449.D

Acq: 23 Jul 2019 23:34

Tgt Ion: 75 Resp: 91337

Ion Ratio Lower Upper

75 100

53 0.2 89.8 134.6#

89 0.1 34.3 51.5#

