

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011474.D
 Acq On : 24 Jul 2019 14:54
 Operator : SY/VA
 Sample : K3880-01
 Misc : 9.83G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:07:01 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	259287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131147	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	162827	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
35) Dibromofluoromethane	7.88	113	130596	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	10.32	98	523499	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.62	95	163359	42.79	ug/l	0.00
Spiked Amount			Recovery	=	85.58%	

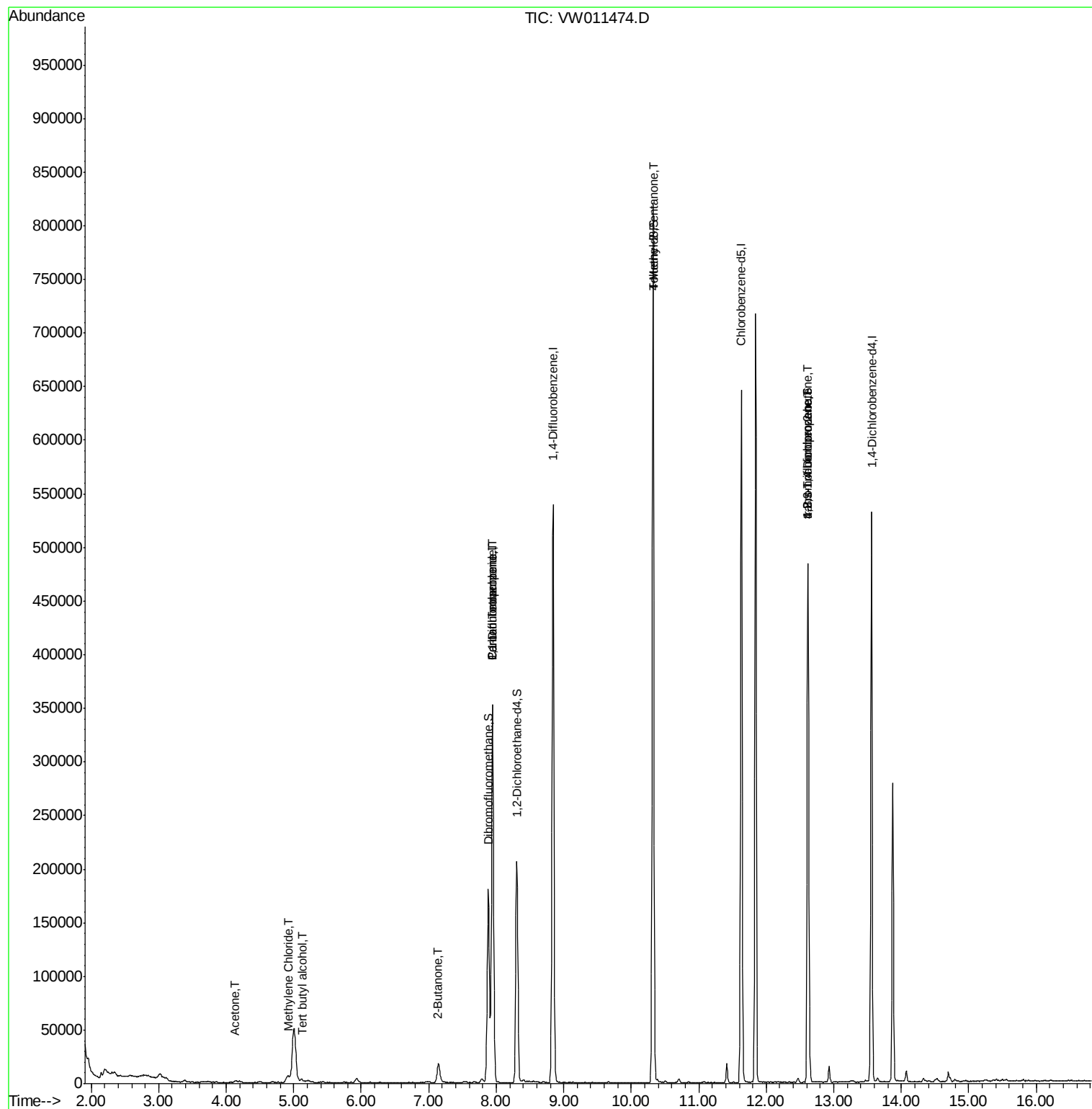
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1308	5.423	ug/l #	91
16) Acetone	4.14	43	3298	4.207	ug/l	96
18) Methyl Acetate	4.69	43	1847	Below Cal	#	75
20) Methylene Chloride	4.93	84	4569	1.477	ug/l	94
25) 2-Butanone	7.13	43	1333	1.083	ug/l #	79
36) 1,1-Dichloropropene	7.95	75	21324	4.632	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25158	6.446	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	3048	1.117	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	84372	55.670	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84372	125.915	ug/l #	5

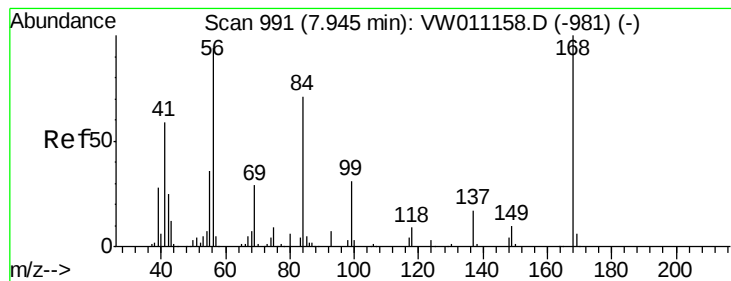
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072519\
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Quant Time: Jul 25 04:07:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 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: VW011474.D

Acq: 24 Jul 2019 14:54

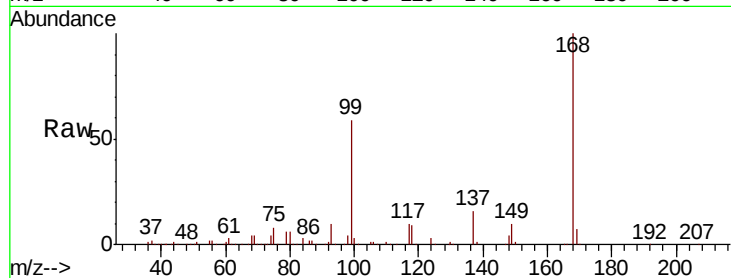
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 259287

Ion Ratio Lower Upper

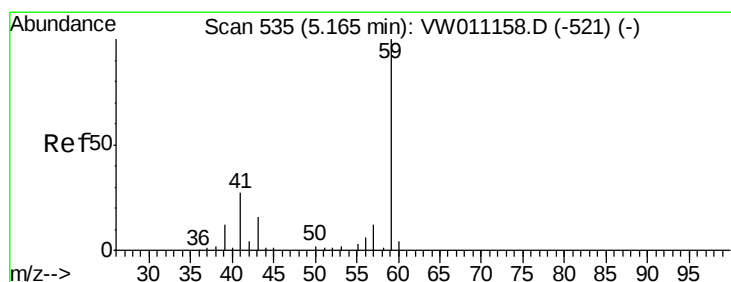
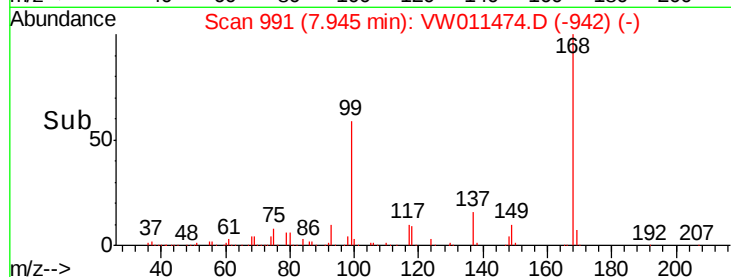
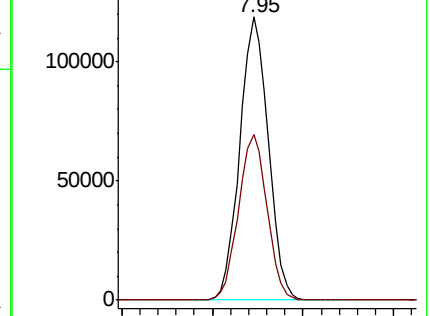
168 100

99 58.7 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: 5.423 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011474.D

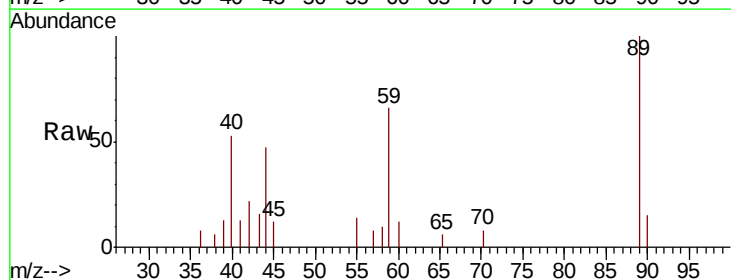
Acq: 24 Jul 2019 14:54

Tgt Ion: 59 Resp: 1308

Ion Ratio Lower Upper

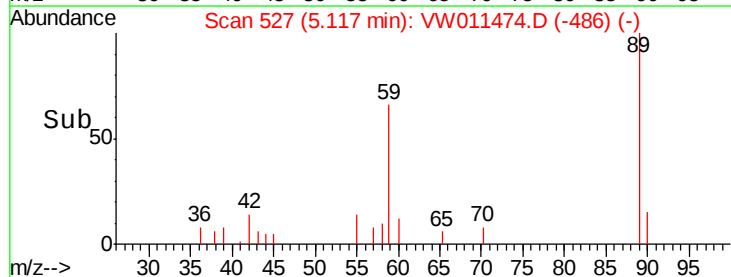
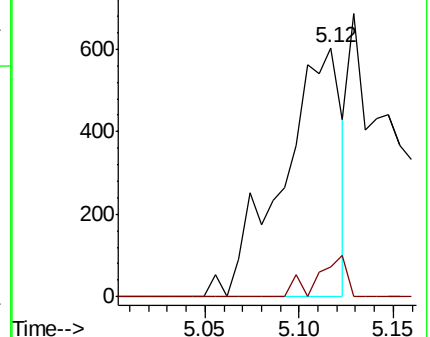
59 100

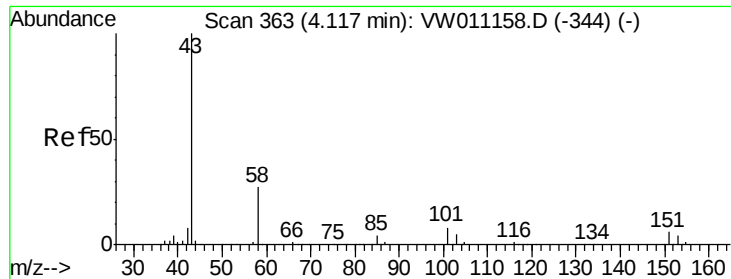
57 8.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

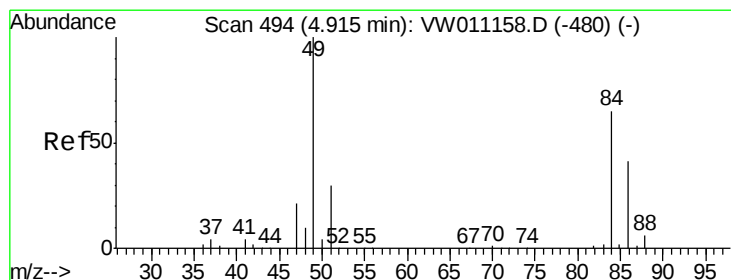
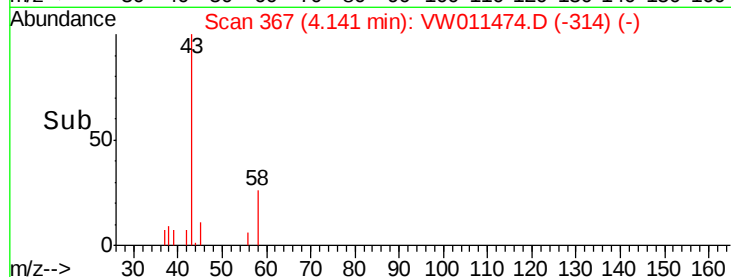
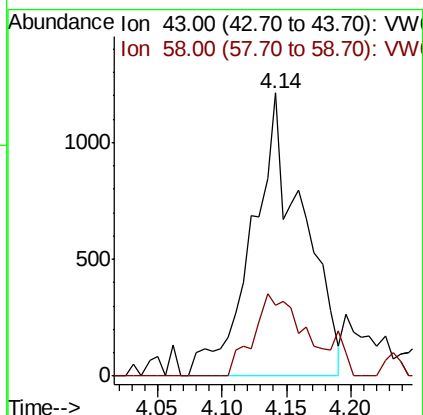
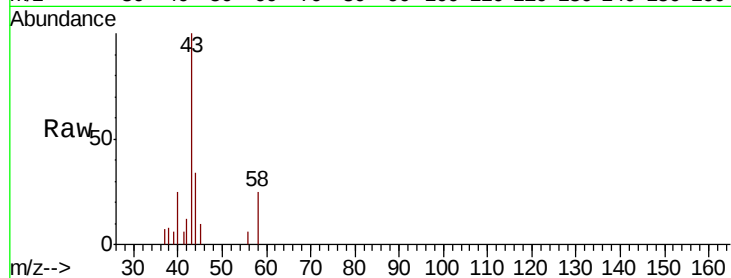




#16
Acetone
Concen: 4.207 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW011474.D
Acq: 24 Jul 2019 14:54

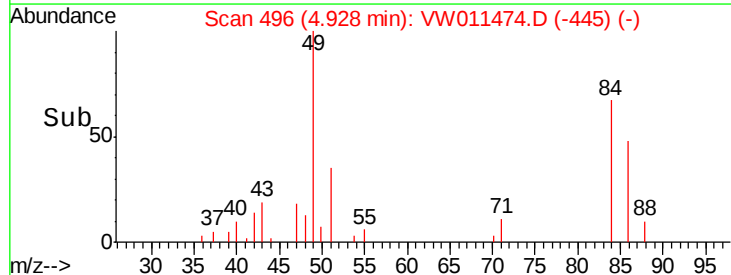
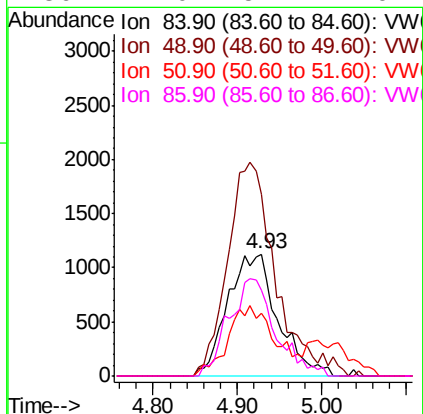
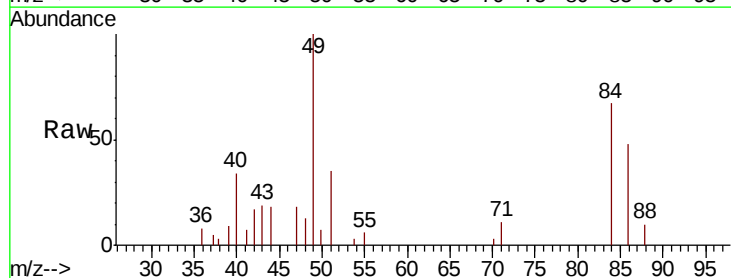
Instrument :
MSVOA_W
ClientSampled :

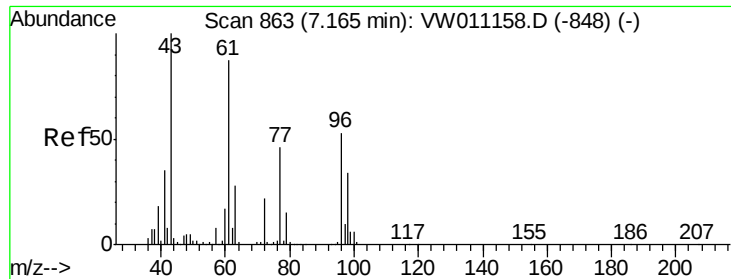
Tot Ion: 43 Resp: 3298
Ion Ratio Lower Upper
43 100
58 24.9 21.8 32.6



#20
Methylene Chloride
Concen: 1.477 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW011474.D
Acq: 24 Jul 2019 14:54

Tgt Ion: 84 Resp: 4569
Ion Ratio Lower Upper
84 100
49 149.1 123.8 185.6
51 51.9 37.4 56.2
86 71.0 51.1 76.7





#25

2-Butanone

Concen: 1.083 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011474.D

Acq: 24 Jul 2019 14:54

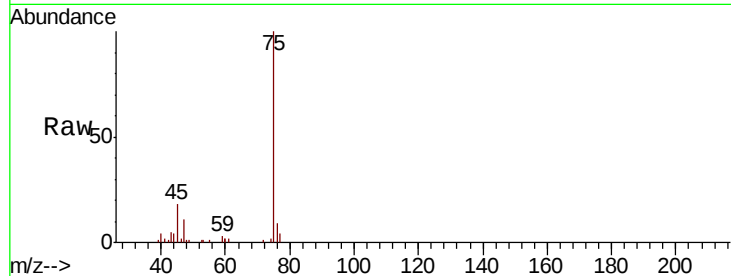
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1333

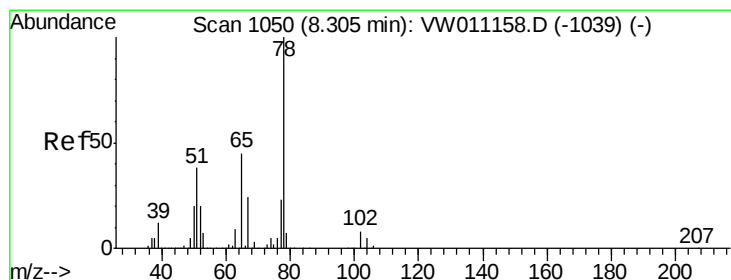
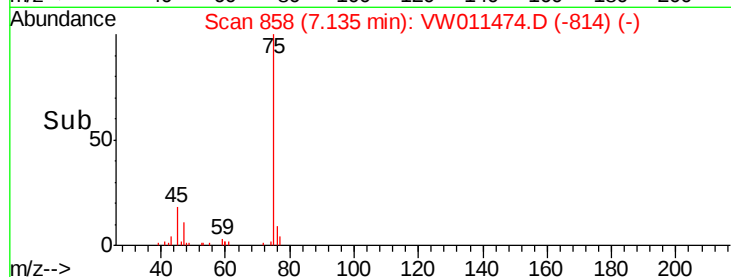
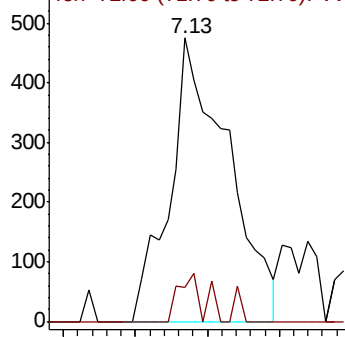
Ion Ratio Lower Upper

43 100

72 11.8 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#33

1,2-Dichloroethane-d4

Concen: 49.977 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011474.D

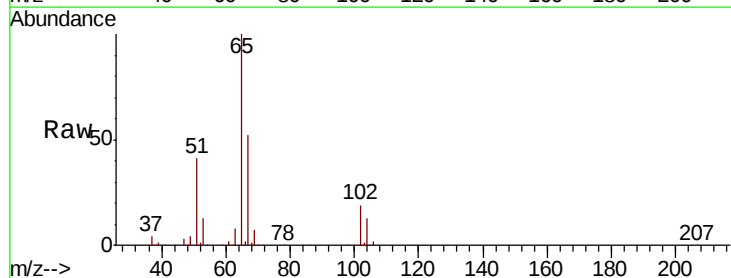
Acq: 24 Jul 2019 14:54

Tgt Ion: 65 Resp: 162827

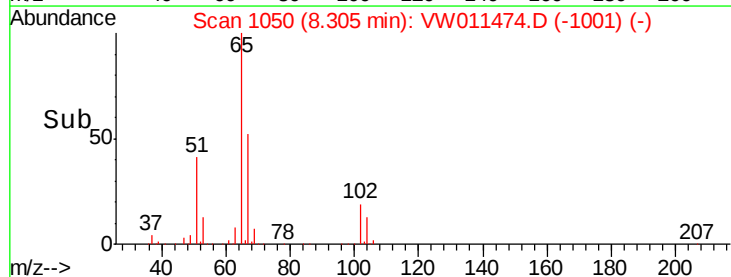
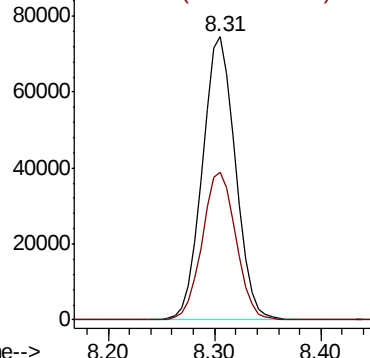
Ion Ratio Lower Upper

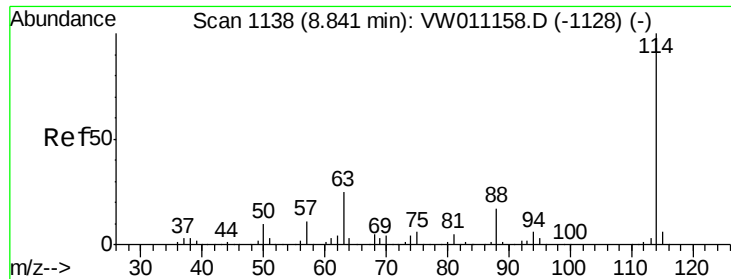
65 100

67 53.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

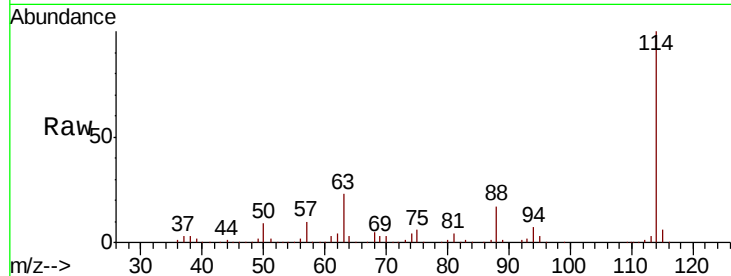




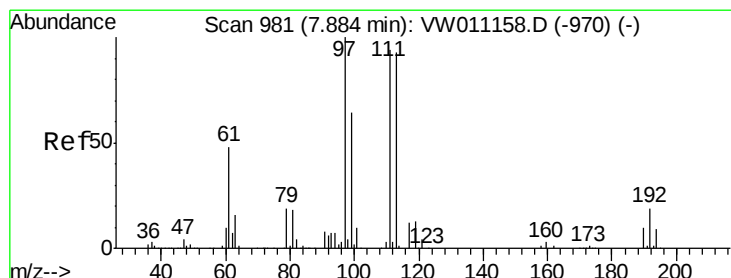
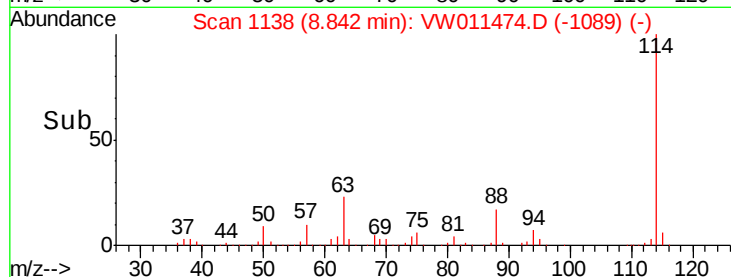
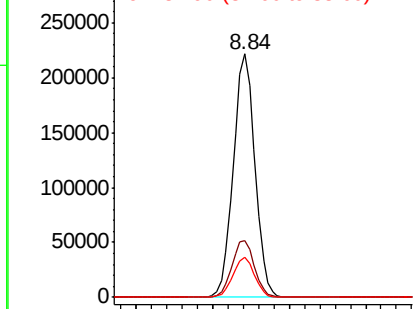
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011474.D
Acq: 24 Jul 2019 14:54

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 432330
Ion Ratio Lower Upper
114 100
63 23.4 0.0 50.8
88 16.7 0.0 34.2

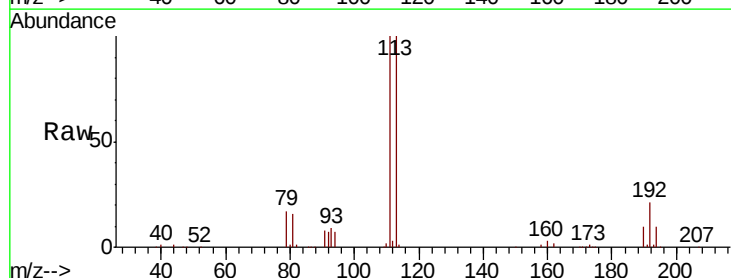


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

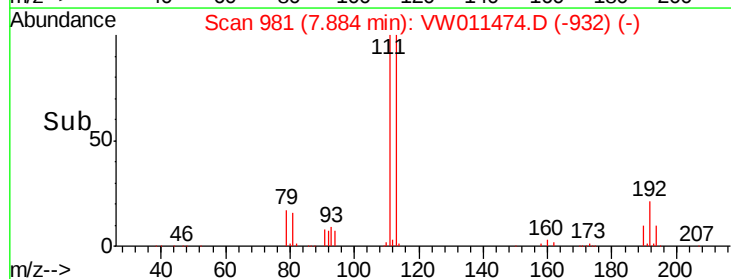
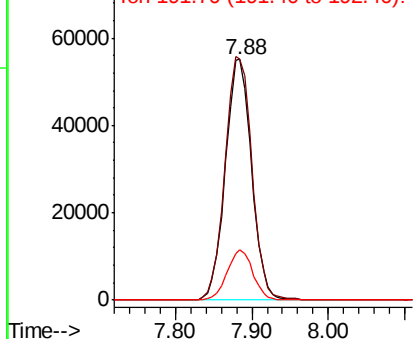


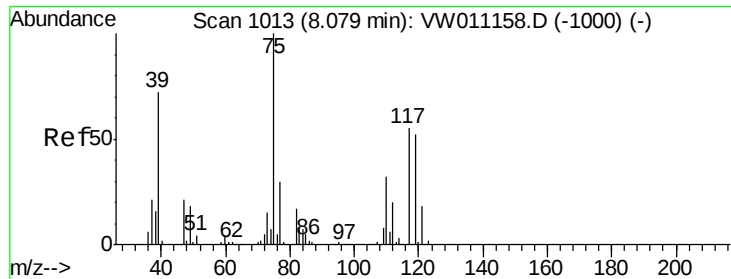
#35
Dibromofluoromethane
Concen: 50.680 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW011474.D
Acq: 24 Jul 2019 14:54

Tgt Ion:113 Resp: 130596
Ion Ratio Lower Upper
113 100
111 103.8 82.4 123.6
192 20.5 15.8 23.8



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

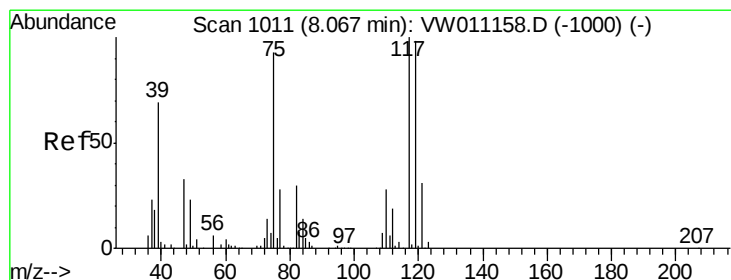
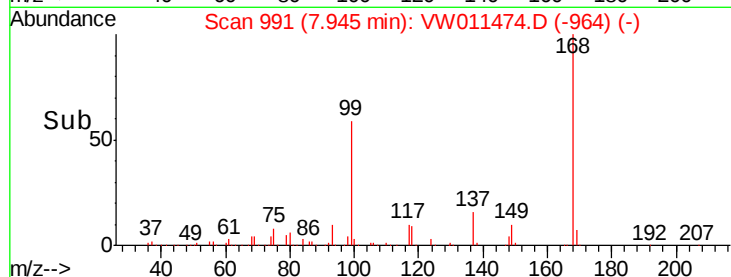
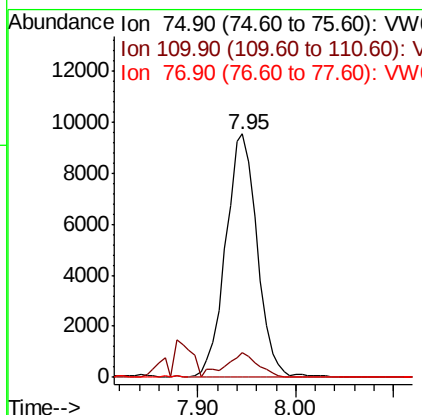
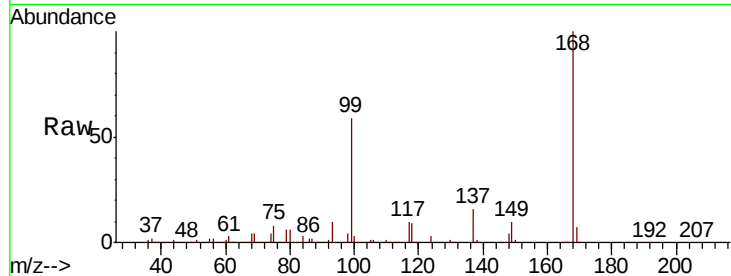




#36
 1,1-Dichloropropene
 Concen: 4.632 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011474.D
 Acq: 24 Jul 2019 14:54

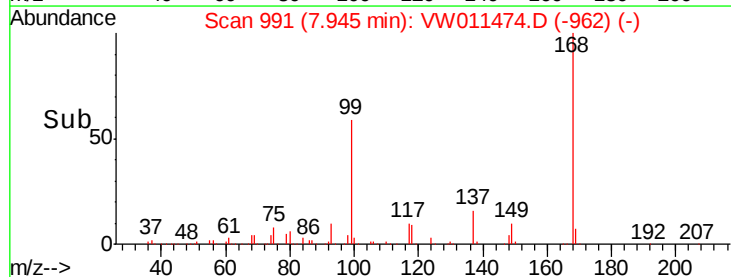
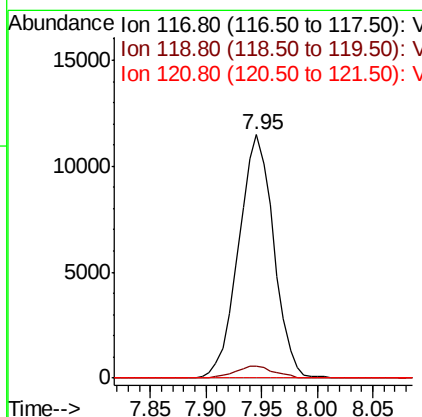
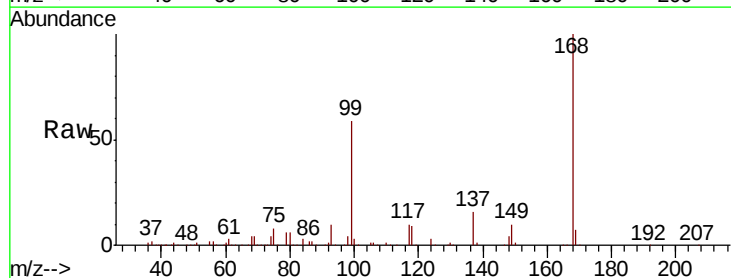
Instrument :
 MSVOA_W
 ClientSampled :

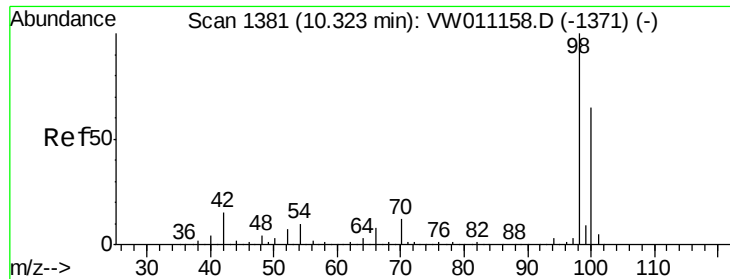
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	15.9	47.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.446 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011474.D
 Acq: 24 Jul 2019 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.1	117.1#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 50.258 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011474.D

Acq: 24 Jul 2019 14:54

Instrument :

MSVOA_W

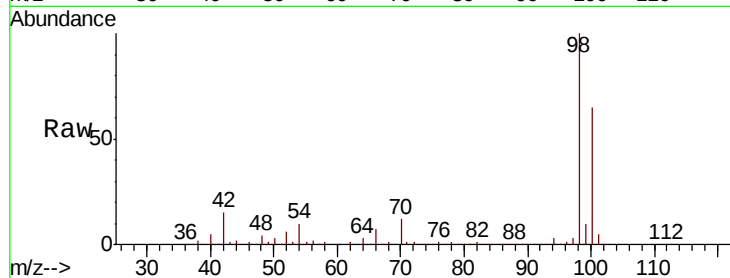
ClientSampleId :

Tot Ion: 98 Resp: 523499

Ion Ratio Lower Upper

98 100

100 64.9 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

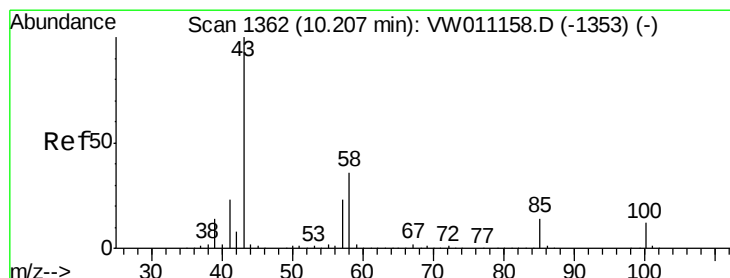
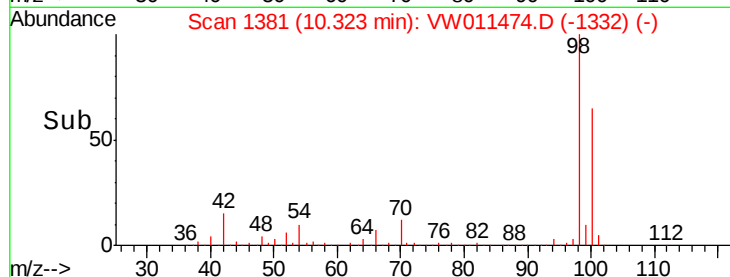
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.117 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW011474.D

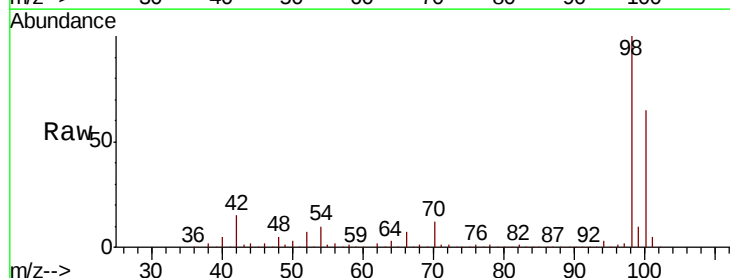
Acq: 24 Jul 2019 14:54

Tgt Ion: 43 Resp: 3048

Ion Ratio Lower Upper

43 100

58 166.6 28.2 42.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

3000

2500

2000

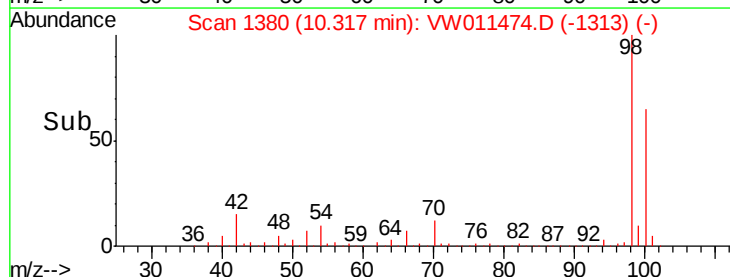
1500

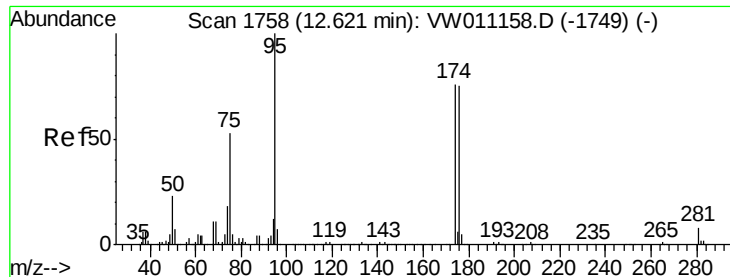
1000

500

0

Time--> 10.25 10.30 10.35 10.40





#62

4-Bromofluorobenzene

Concen: 42.788 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011474.D

Acq: 24 Jul 2019 14:54

Instrument :

MSVOA_W

ClientSampled :

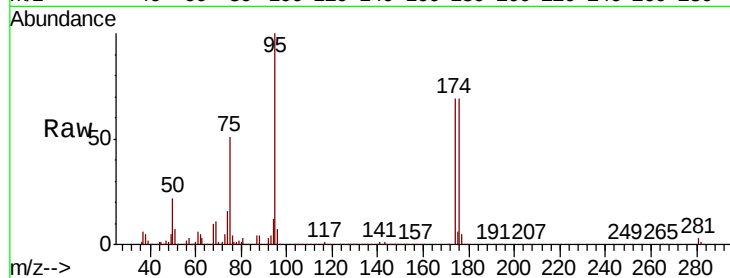
Tot Ion: 95 Resp: 163359

Ion Ratio Lower Upper

95 100

174 75.9 0.0 147.6

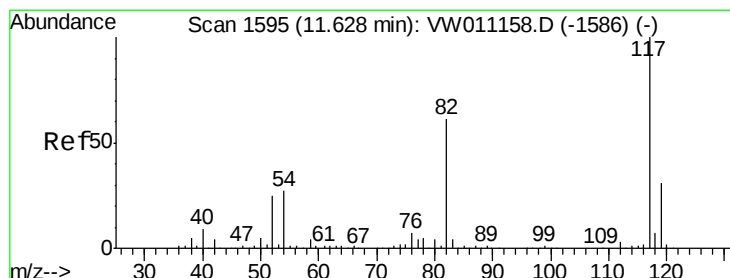
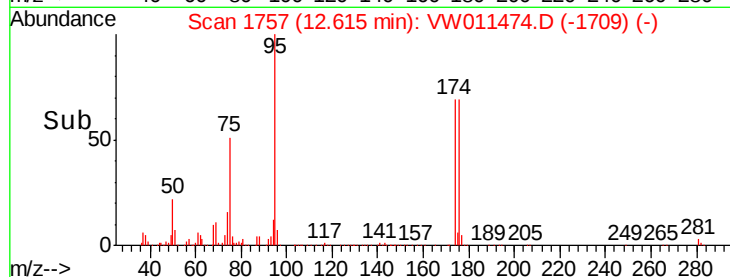
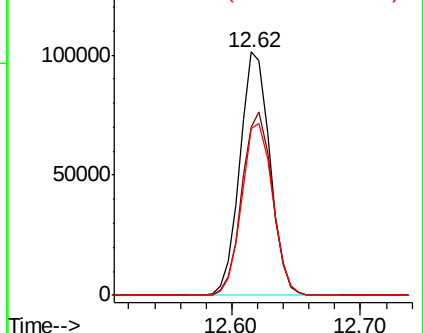
176 72.8 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW011474.D

Acq: 24 Jul 2019 14:54

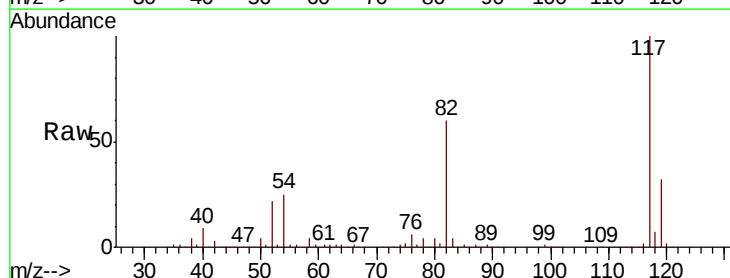
Tgt Ion: 117 Resp: 350056

Ion Ratio Lower Upper

117 100

82 59.7 48.9 73.3

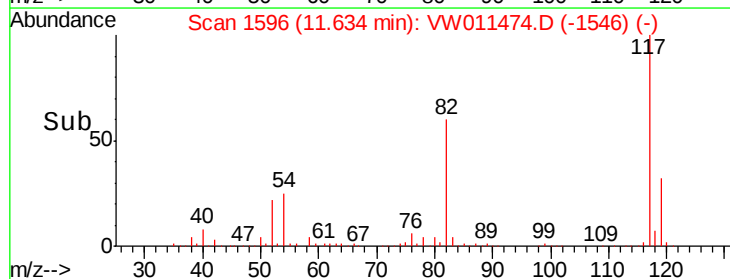
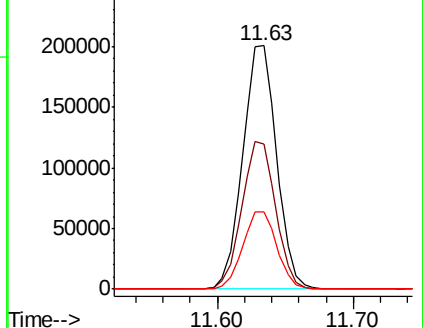
119 31.9 25.0 37.6

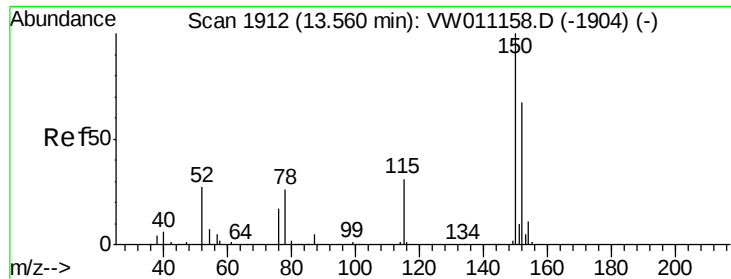


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011474.D

Acq: 24 Jul 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

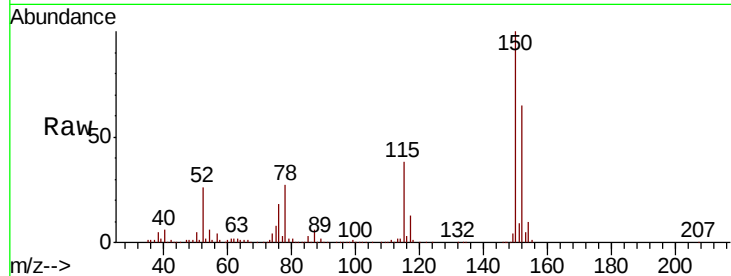
Tot Ion:152 Resp: 131147

Ion Ratio Lower Upper

152 100

115 59.5 30.1 90.3

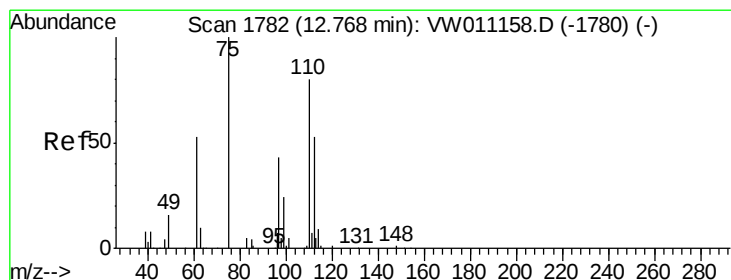
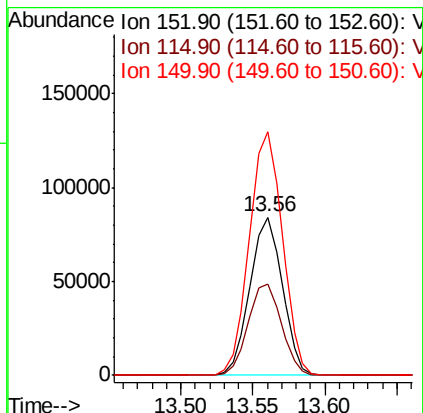
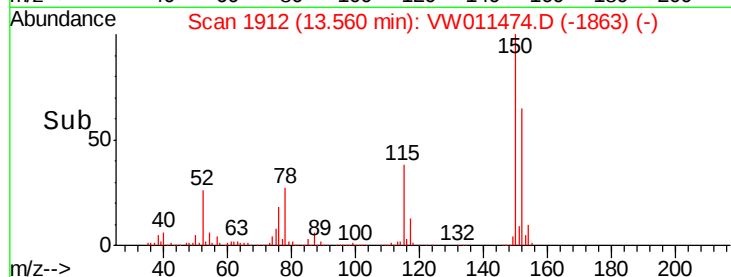
150 157.3 0.0 346.0



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: 55.670 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011474.D

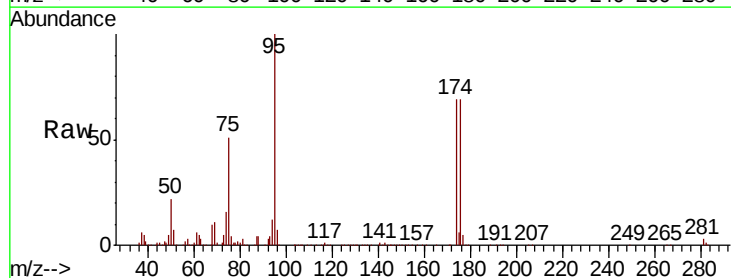
Acq: 24 Jul 2019 14:54

Tgt Ion: 75 Resp: 84372

Ion Ratio Lower Upper

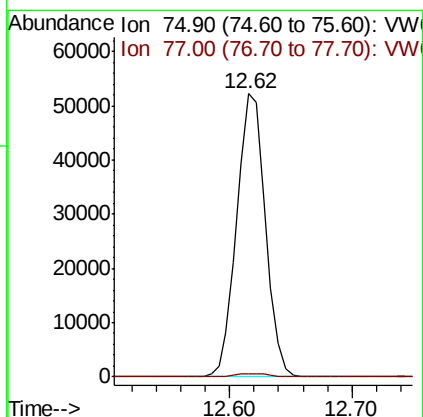
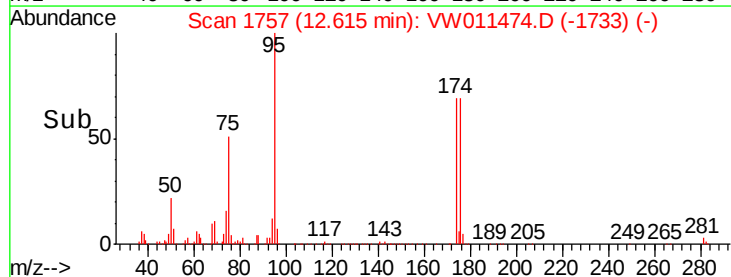
75 100

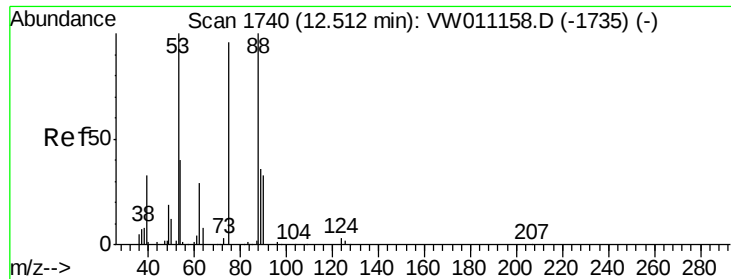
77 1.3 0.0 0.0#



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: 125.915 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011474.D

Acq: 24 Jul 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

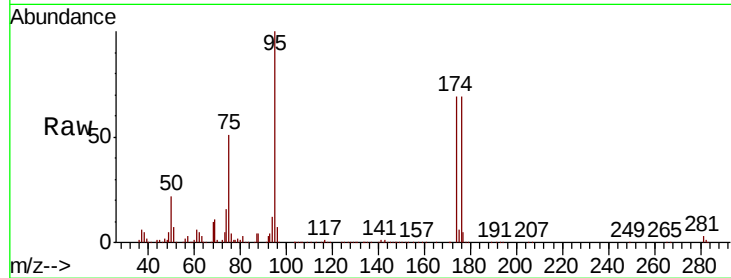
Tot Ion: 75 Resp: 84372

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.0 34.3 51.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

