

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011483.D
 Acq On : 24 Jul 2019 18:51
 Operator : SY/VA
 Sample : K3961-03
 Misc : 8.95G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:08:42 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	256129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	103946	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	163530	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	7.88	113	130144	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
50) Toluene-d8	10.32	98	513285	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.62	95	139061	37.11	ug/l	0.00
Spiked Amount			Recovery	=	74.22%	

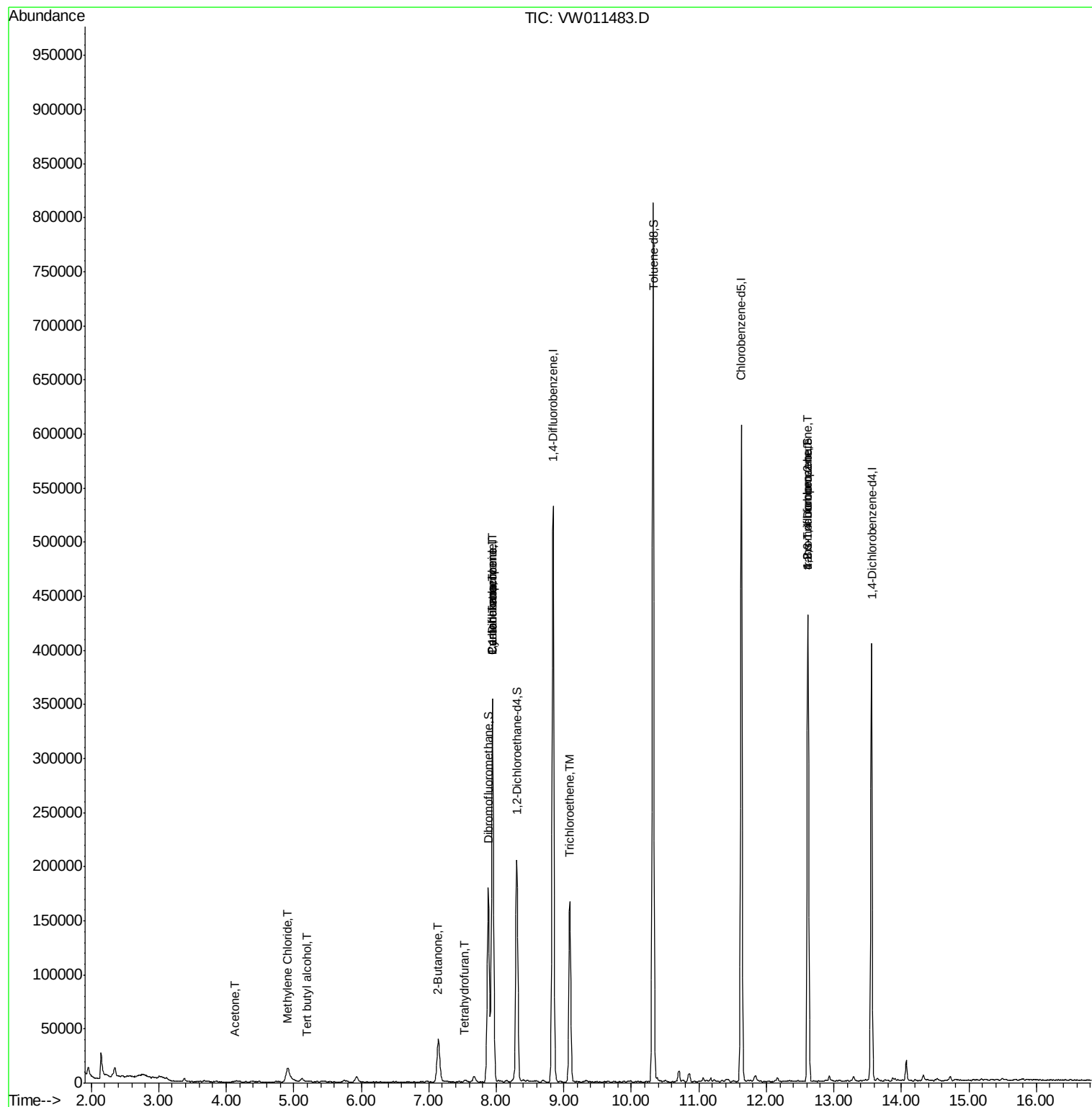
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	1150	4.826	ug/l #	81
16) Acetone	4.14	43	2013	2.600	ug/l	92
18) Methyl Acetate	4.68	43	358	Below Cal	#	57
20) Methylene Chloride	4.92	84	9981	3.267	ug/l #	90
25) 2-Butanone	7.13	43	2988	2.458	ug/l #	68
29) Tetrahydrofuran	7.54	42	1630	2.045	ug/l #	51
31) Cyclohexane	7.94	56	6416	1.029	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21493	4.756	ug/l #	51
38) Carbon Tetrachloride	7.94	117	25848	6.747	ug/l #	14
44) Trichloroethene	9.09	130	58132	19.343	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	74212	61.780	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74212	139.735	ug/l #	6

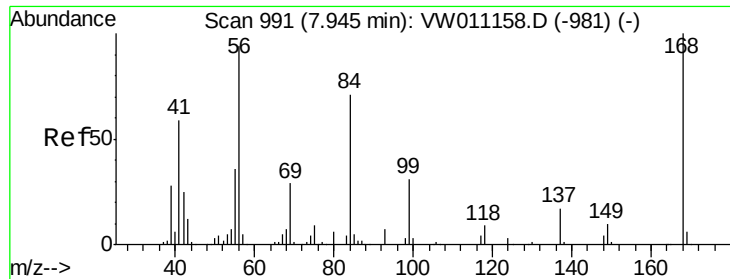
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072519\
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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: VW011483.D

Acq: 24 Jul 2019 18:51

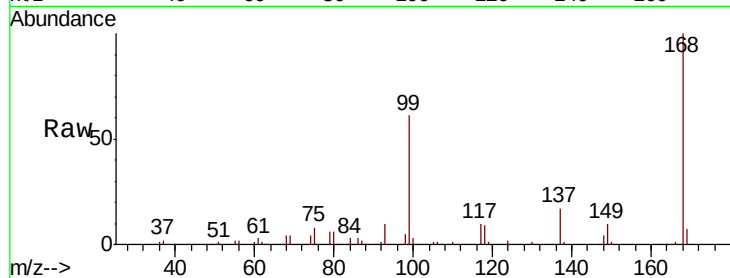
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 256129

Ion Ratio Lower Upper

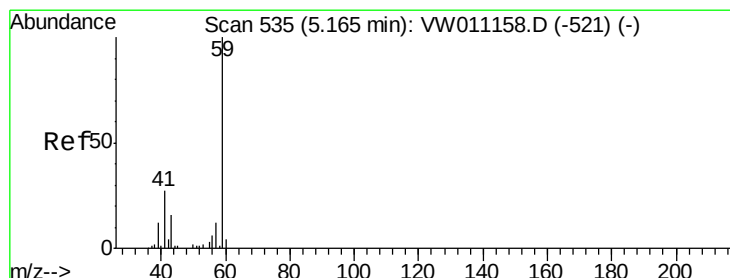
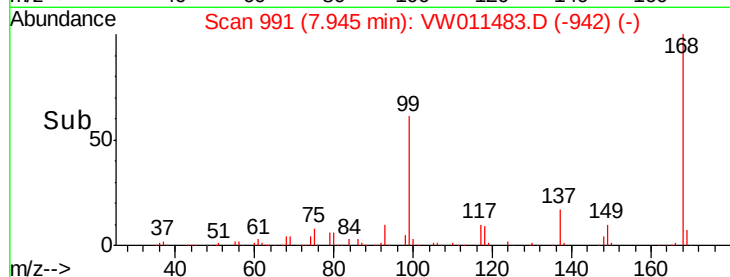
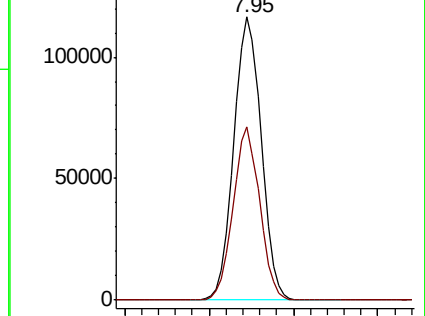
168 100

99 61.4 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: 4.826 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW011483.D

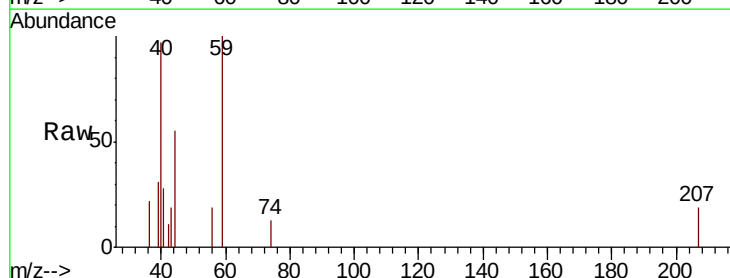
Acq: 24 Jul 2019 18:51

Tgt Ion: 59 Resp: 1150

Ion Ratio Lower Upper

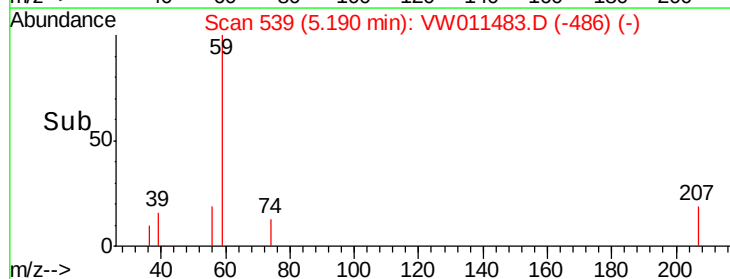
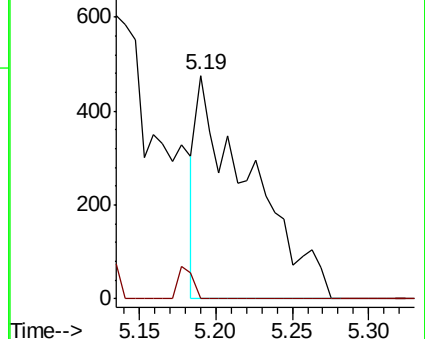
59 100

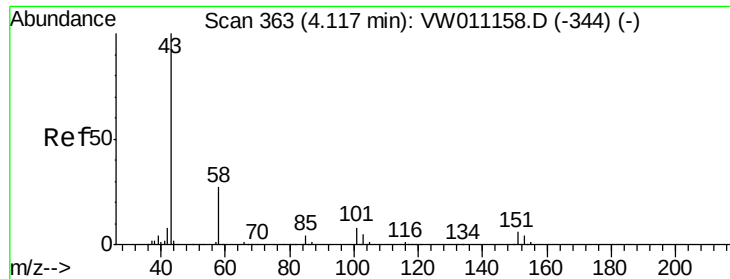
57 4.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.600 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011483.D

Acq: 24 Jul 2019 18:51

Instrument :

MSVOA_W

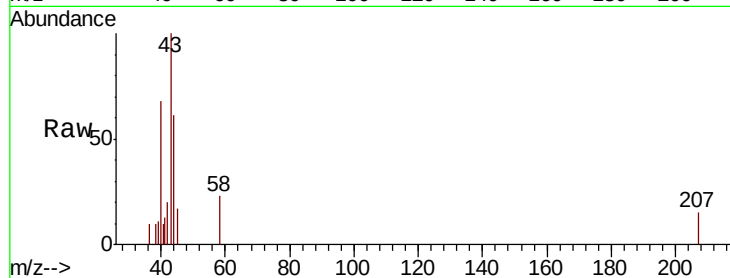
ClientSampled :

Tot Ion: 43 Resp: 2013

Ion Ratio Lower Upper

43 100

58 23.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

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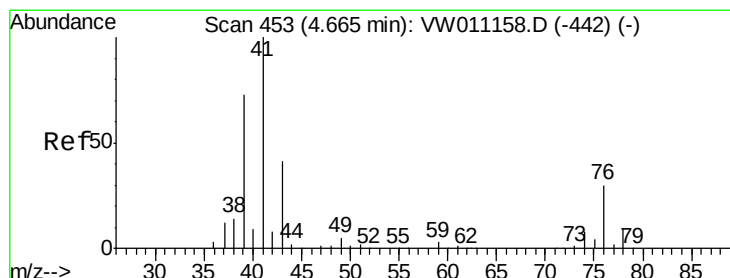
4.14

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Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011483.D

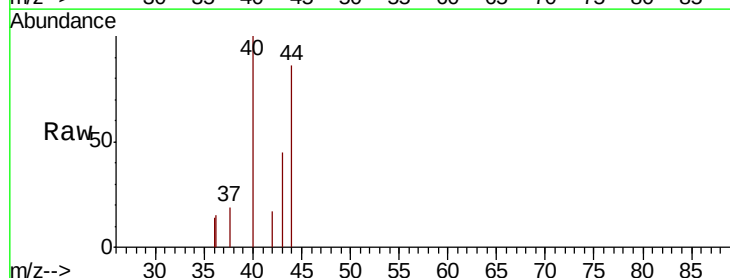
Acq: 24 Jul 2019 18:51

Tgt Ion: 43 Resp: 358

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

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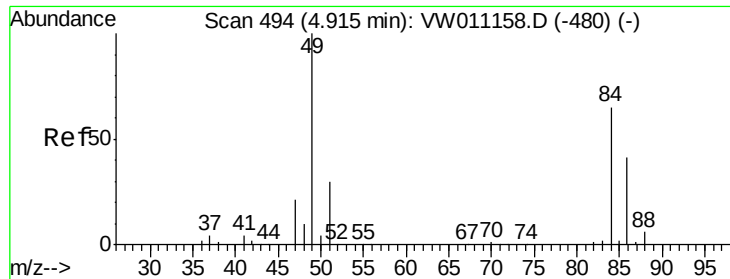
4.68

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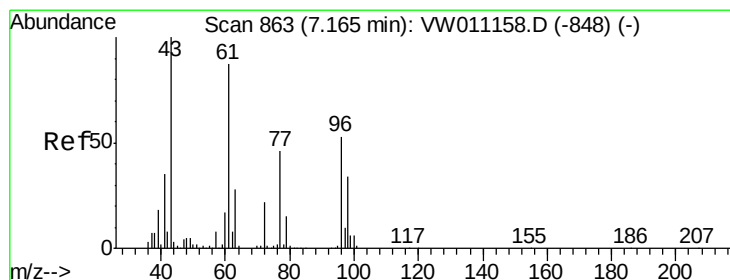
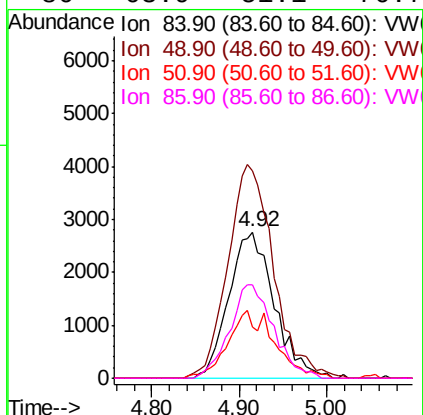
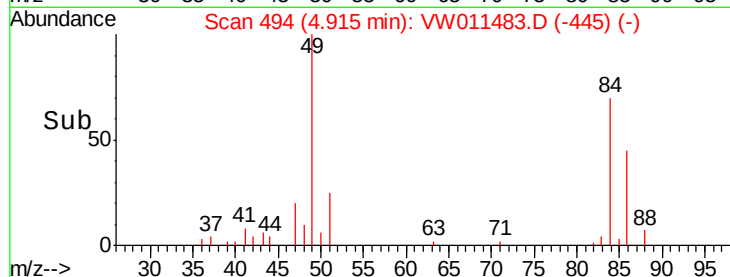
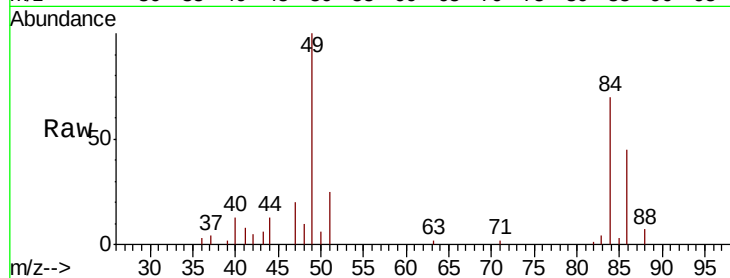
4.68



#20
Methylene Chloride
Concen: 3.267 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011483.D
Acq: 24 Jul 2019 18:51

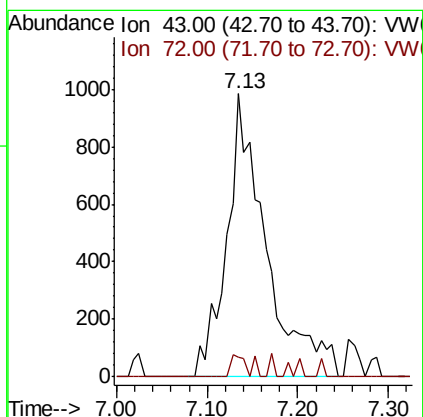
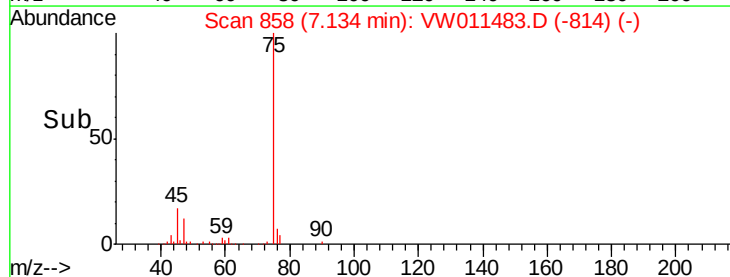
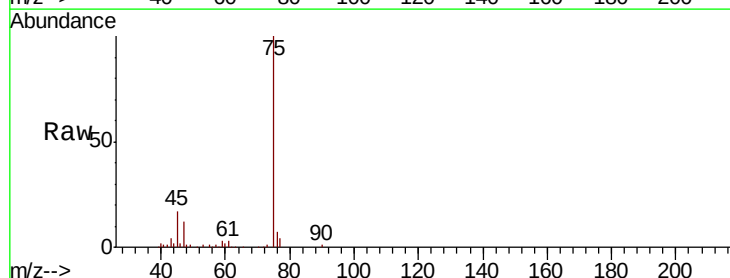
Instrument :
MSVOA_W
ClientSampled :

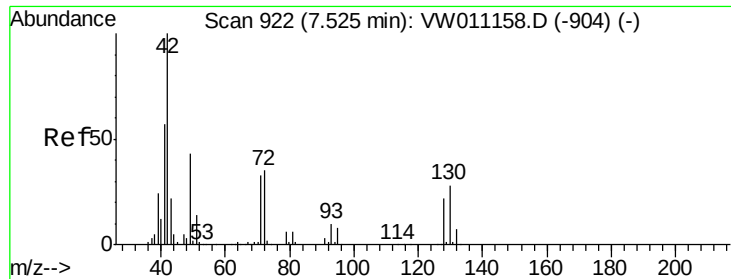
Tot Ion: 84 Resp: 9981
Ion Ratio Lower Upper
84 100
49 140.0 123.8 185.6
51 35.3 37.4 56.2#
86 63.9 51.1 76.7



#25
2-Butanone
Concen: 2.458 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW011483.D
Acq: 24 Jul 2019 18:51

Tgt Ion: 43 Resp: 2988
Ion Ratio Lower Upper
43 100
72 6.8 17.6 26.4#

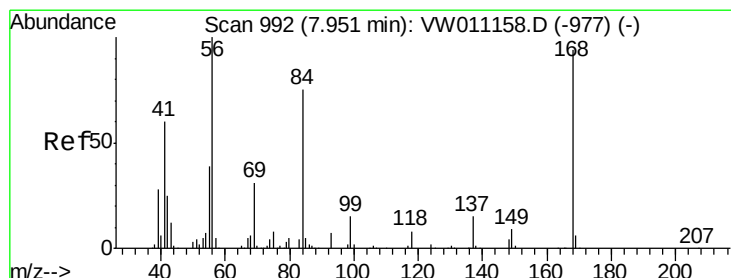
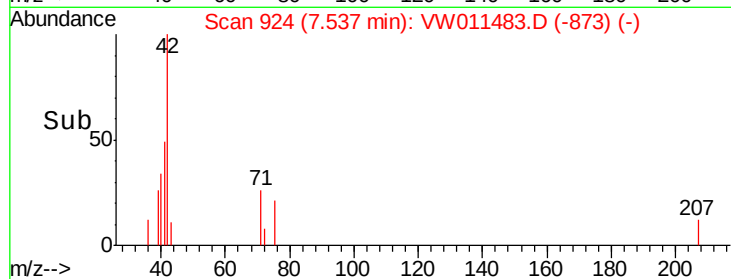
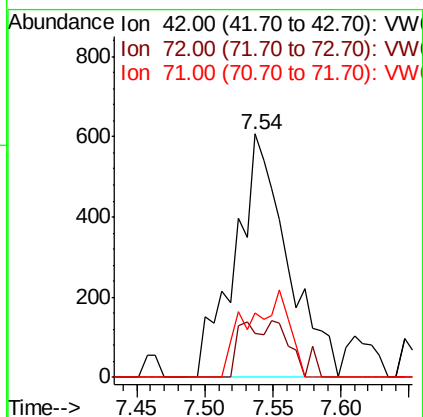
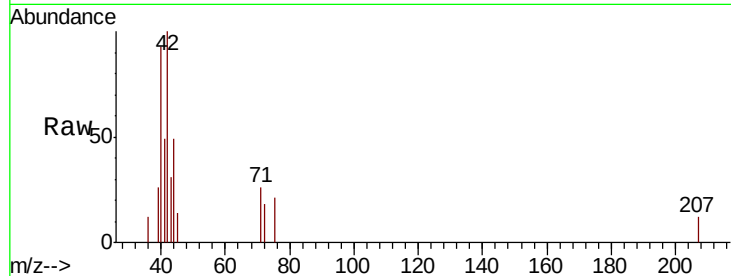




#29
Tetrahydrofuran
Concen: 2.045 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011483.D
Acq: 24 Jul 2019 18:51

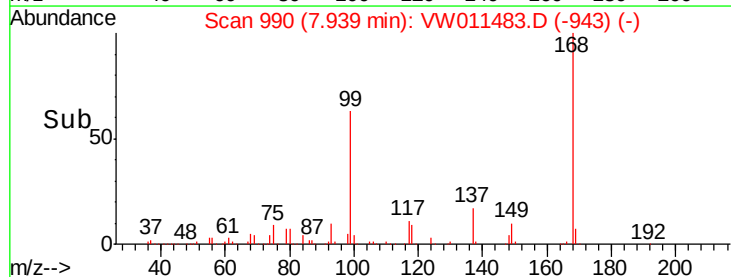
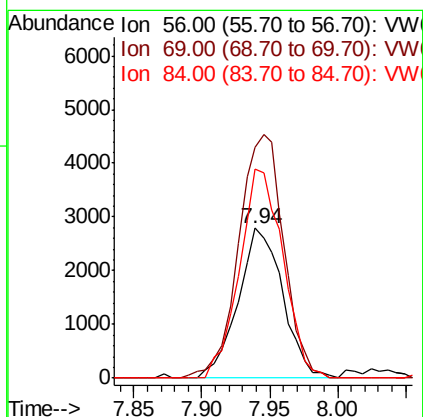
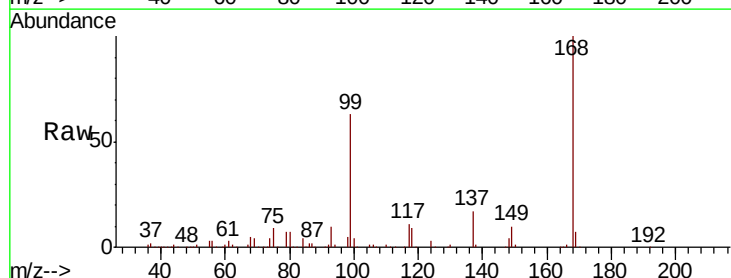
Instrument :
MSVOA_W
ClientSampleId :

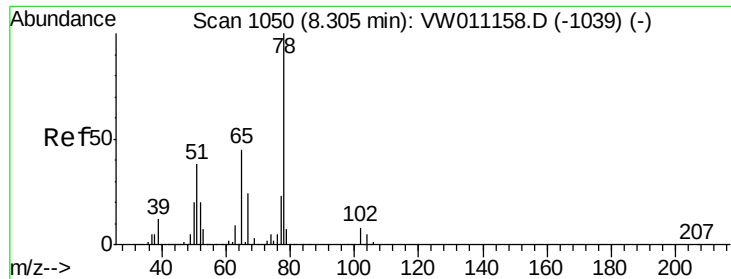
Tot Ion: 42 Resp: 1630
Ion Ratio Lower Upper
42 100
72 10.9 27.4 41.2#
71 0.0 25.9 38.9#



#31
Cyclohexane
Concen: 1.029 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011483.D
Acq: 24 Jul 2019 18:51

Tgt Ion: 56 Resp: 6416
Ion Ratio Lower Upper
56 100
69 153.9 24.6 36.8#
84 139.9 60.1 90.1#

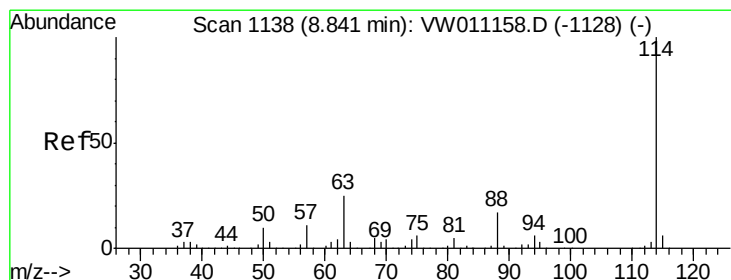
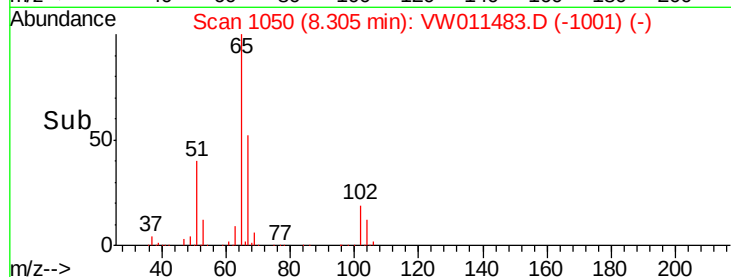
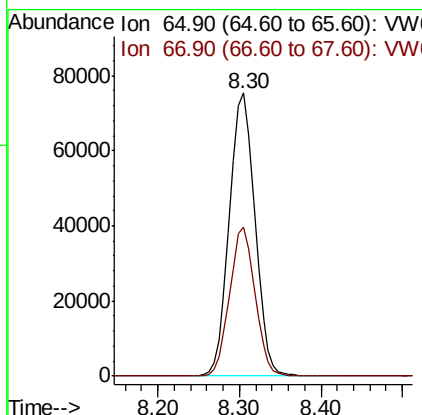
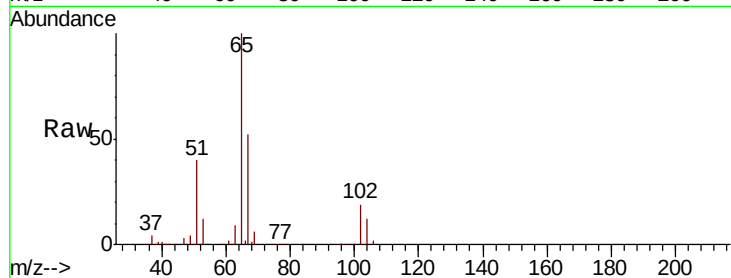




#33
 1,2-Dichloroethane-d4
 Concen: 50.812 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011483.D
 Acq: 24 Jul 2019 18:51

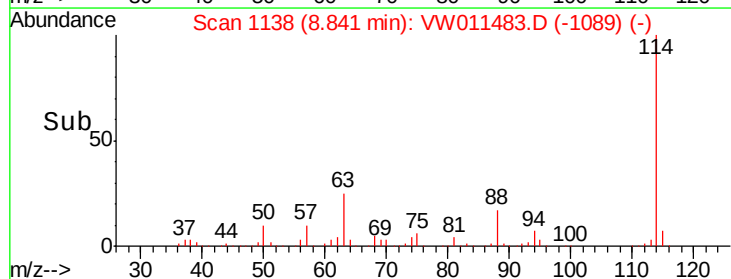
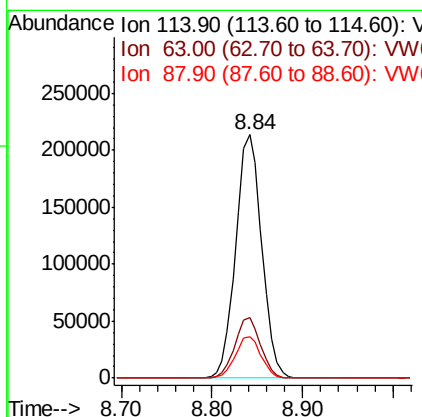
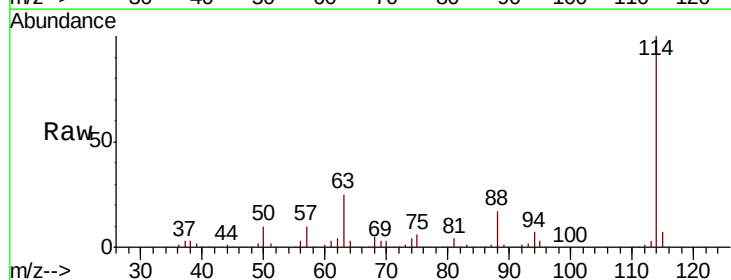
Instrument :
 MSVOA_W
 ClientSampleId :

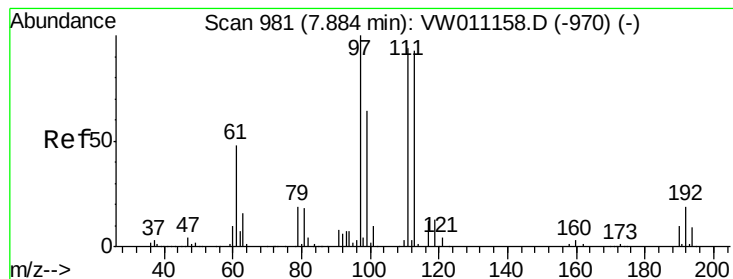
Tot Ion: 65 Resp: 163530
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011483.D
 Acq: 24 Jul 2019 18:51

Tgt Ion: 114 Resp: 424361
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.8
 88 16.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.453 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011483.D

Acq: 24 Jul 2019 18:51

Instrument :

MSVOA_W

ClientSampleId :

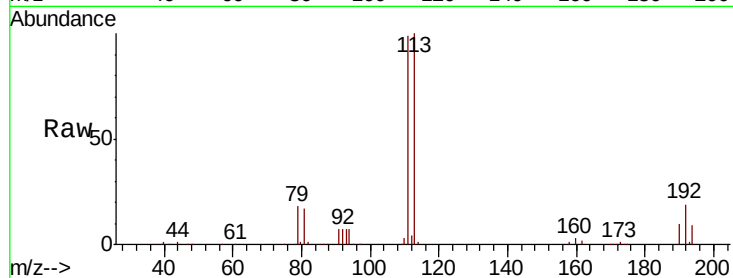
Tot Ion:113 Resp: 130144

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

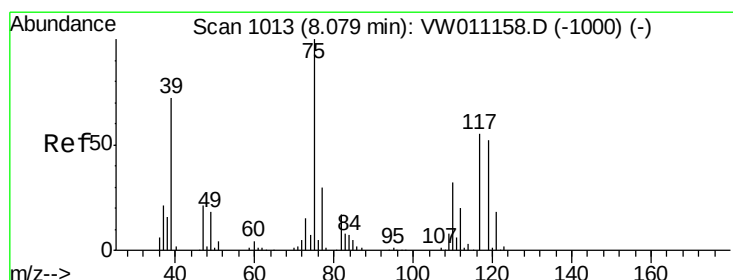
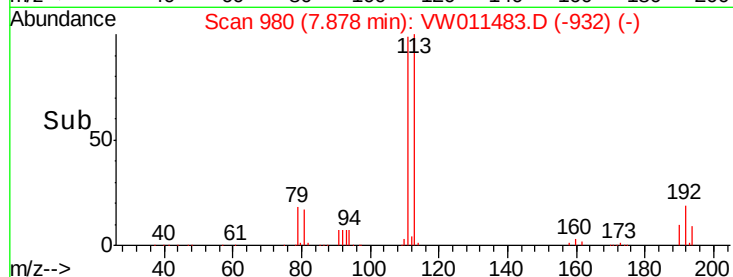
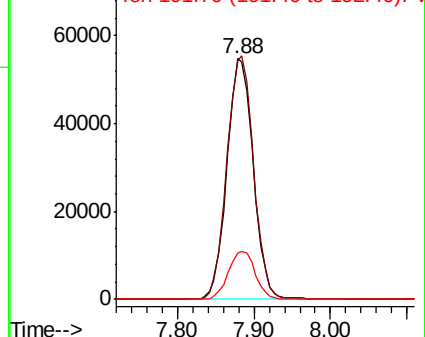
192 20.3 15.8 23.8



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: 4.756 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011483.D

Acq: 24 Jul 2019 18:51

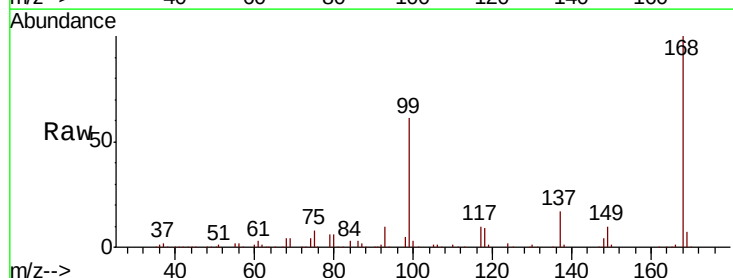
Tgt Ion: 75 Resp: 21493

Ion Ratio Lower Upper

75 100

110 8.7 15.9 47.6#

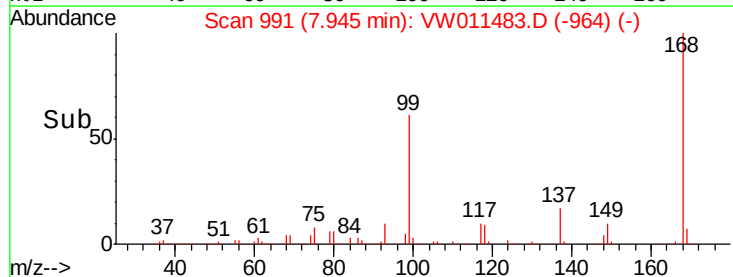
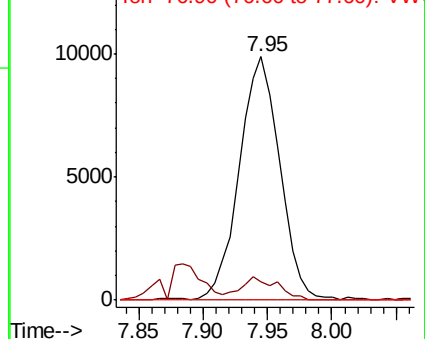
77 0.0 24.6 36.8#

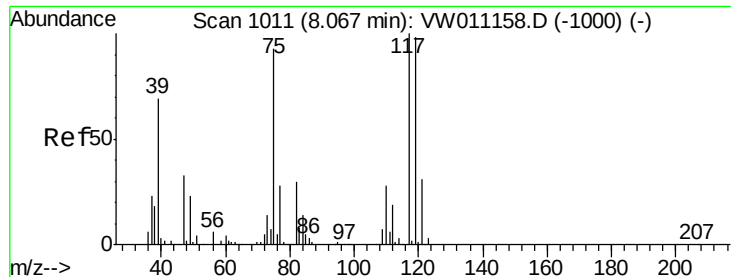


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.747 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011483.D

Acq: 24 Jul 2019 18:51

Instrument :

MSVOA_W

ClientSampled :

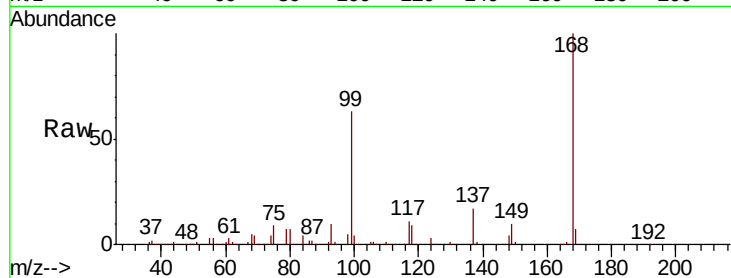
Tot Ion:117 Resp: 25848

Ion Ratio Lower Upper

117 100

119 4.0 78.1 117.1#

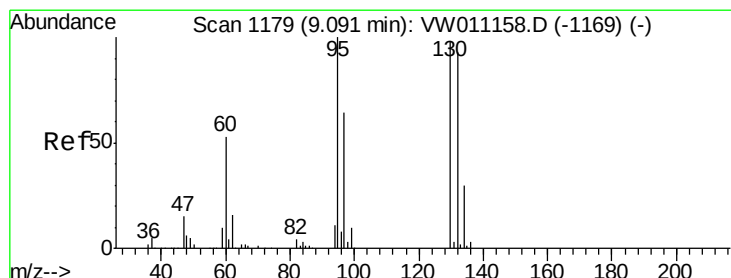
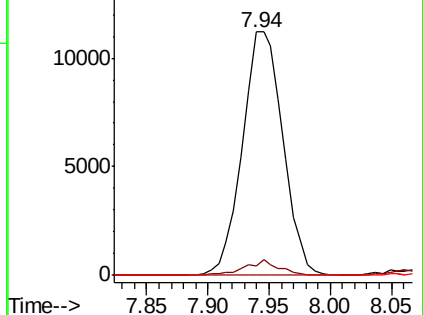
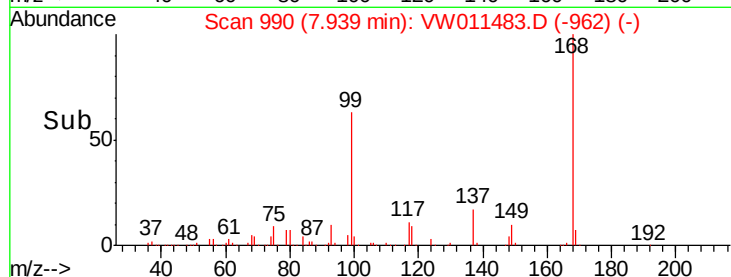
121 0.0 25.1 37.7#



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



#44

Trichloroethene

Concen: 19.343 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011483.D

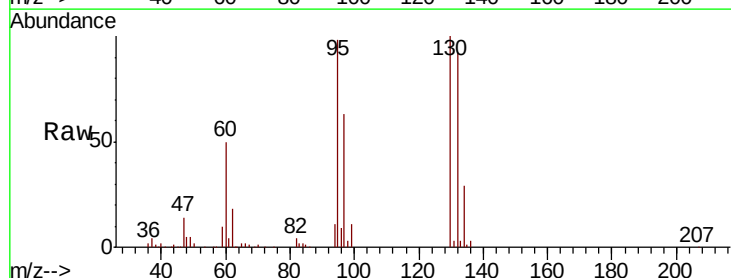
Acq: 24 Jul 2019 18:51

Tgt Ion:130 Resp: 58132

Ion Ratio Lower Upper

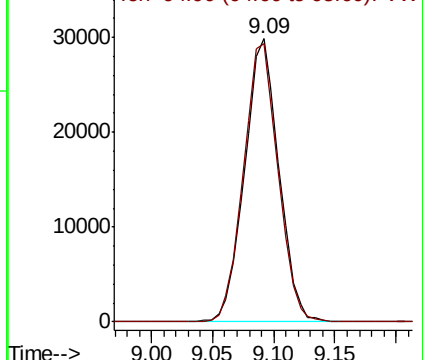
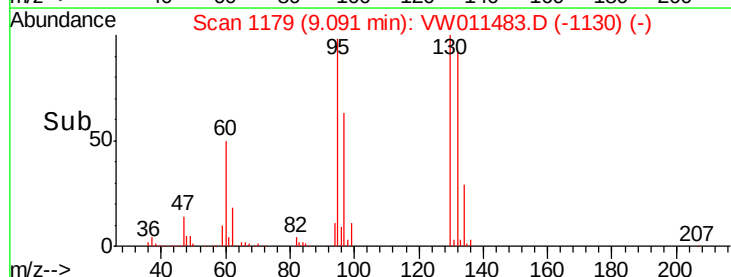
130 100

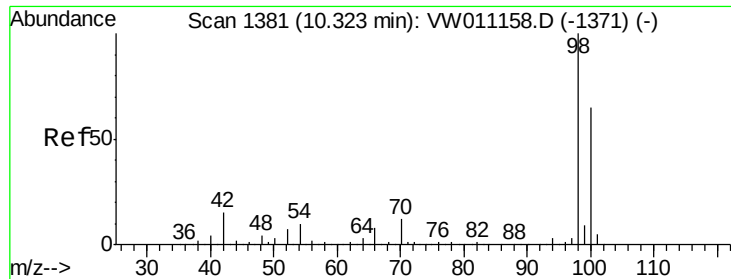
95 98.4 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VV





#50

Toluene-d8

Concen: 50.203 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011483.D

Acq: 24 Jul 2019 18:51

Instrument :

MSVOA_W

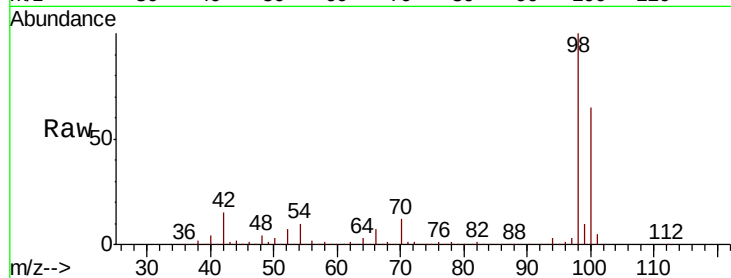
ClientSampleId :

Tot Ion: 98 Resp: 513285

Ion Ratio Lower Upper

98 100

100 65.3 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

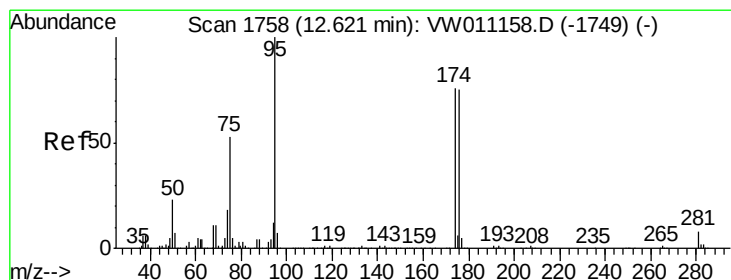
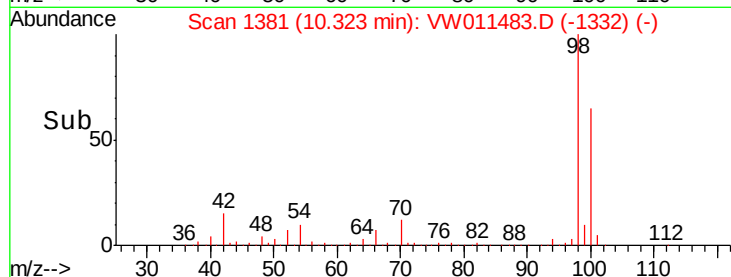
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 37.108 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011483.D

Acq: 24 Jul 2019 18:51

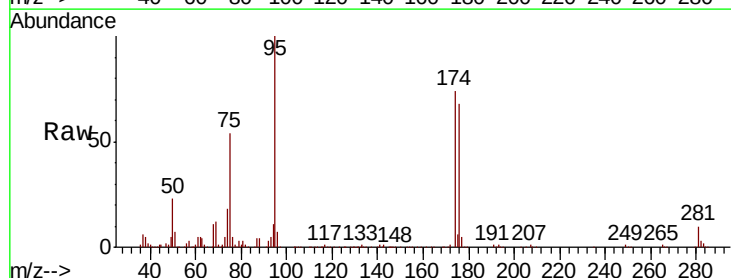
Tgt Ion: 95 Resp: 139061

Ion Ratio Lower Upper

95 100

174 76.9 0.0 147.6

176 73.6 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

80000

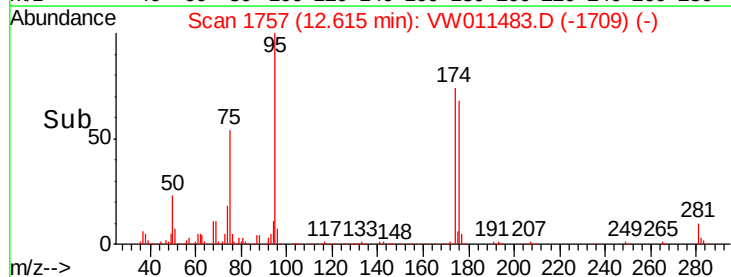
60000

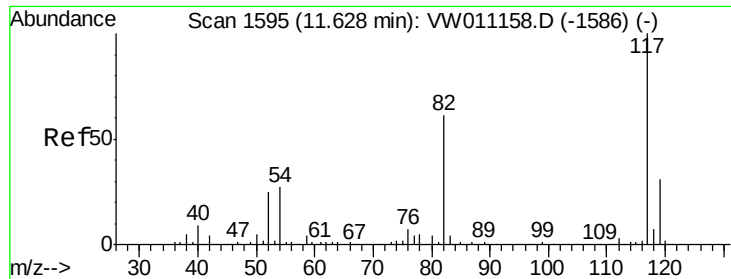
40000

20000

0

Time--> 12.60 12.70

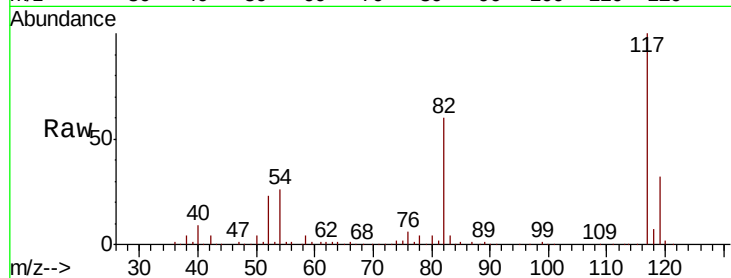




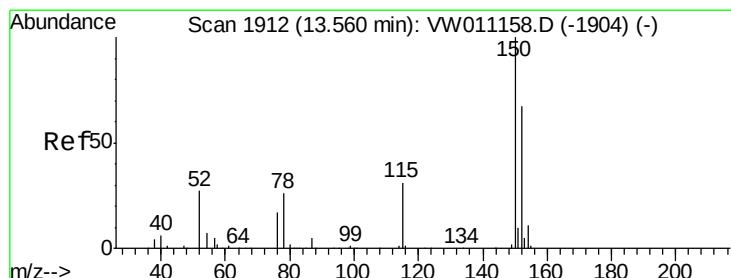
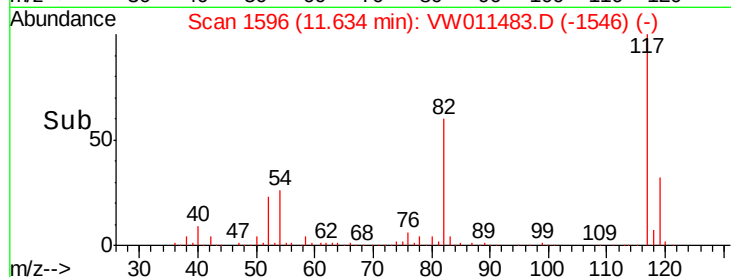
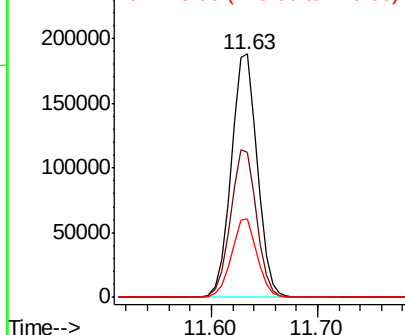
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011483.D
Acq: 24 Jul 2019 18:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 323588
Ion Ratio Lower Upper
117 100
82 59.8 48.9 73.3
119 32.1 25.0 37.6

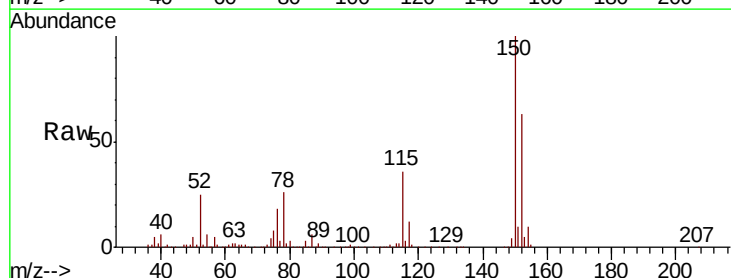


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

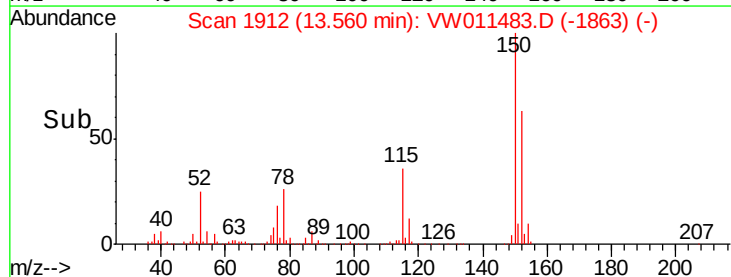
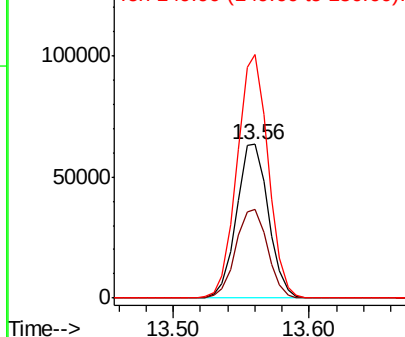


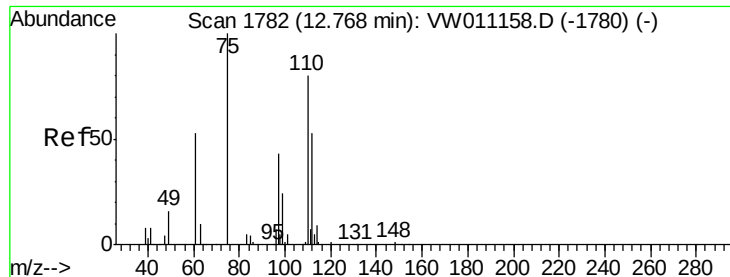
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011483.D
Acq: 24 Jul 2019 18:51

Tgt Ion:152 Resp: 103946
Ion Ratio Lower Upper
152 100
115 57.7 30.1 90.3
150 154.8 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: 61.780 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011483.D

Acq: 24 Jul 2019 18:51

Instrument :

MSVOA_W

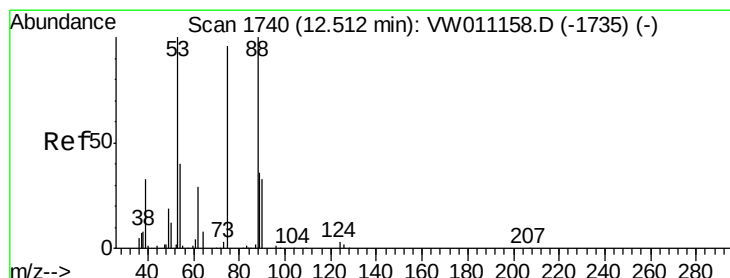
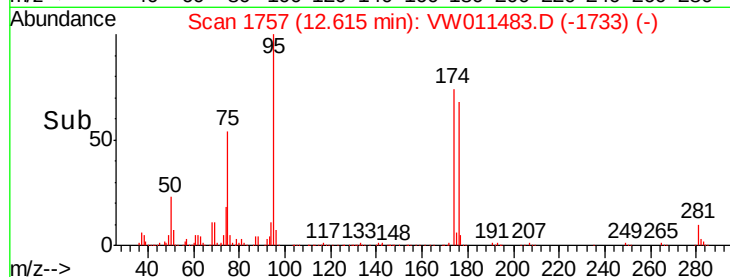
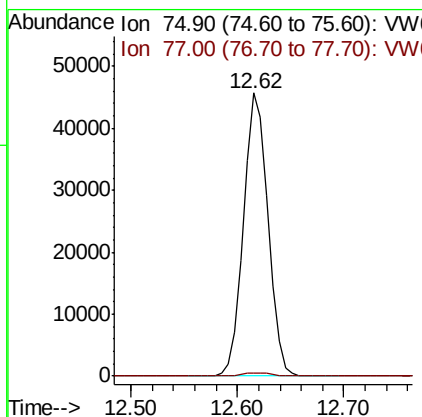
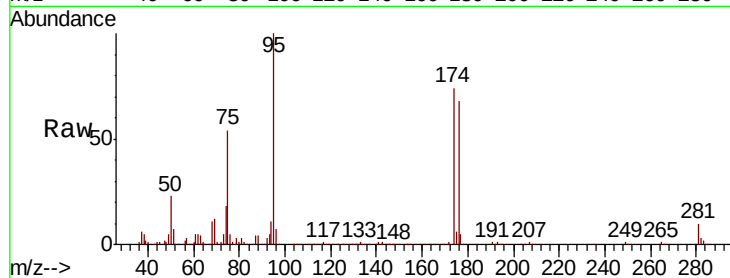
ClientSampled :

Tot Ion: 75 Resp: 74212

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.735 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011483.D

Acq: 24 Jul 2019 18:51

Tgt Ion: 75 Resp: 74212

Ion Ratio Lower Upper

75 100

53 0.2 89.8 134.6#

89 0.0 34.3 51.5#

