

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011484.D
 Acq On : 24 Jul 2019 19:18
 Operator : SY/VA
 Sample : K3990-01
 Misc : 3.93G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:08:54 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	256033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130931	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	164154	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
35) Dibromofluoromethane	7.88	113	129468	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	10.32	98	519179	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.62	95	158992	41.89	ug/l	0.00
Spiked Amount			Recovery	=	83.78%	

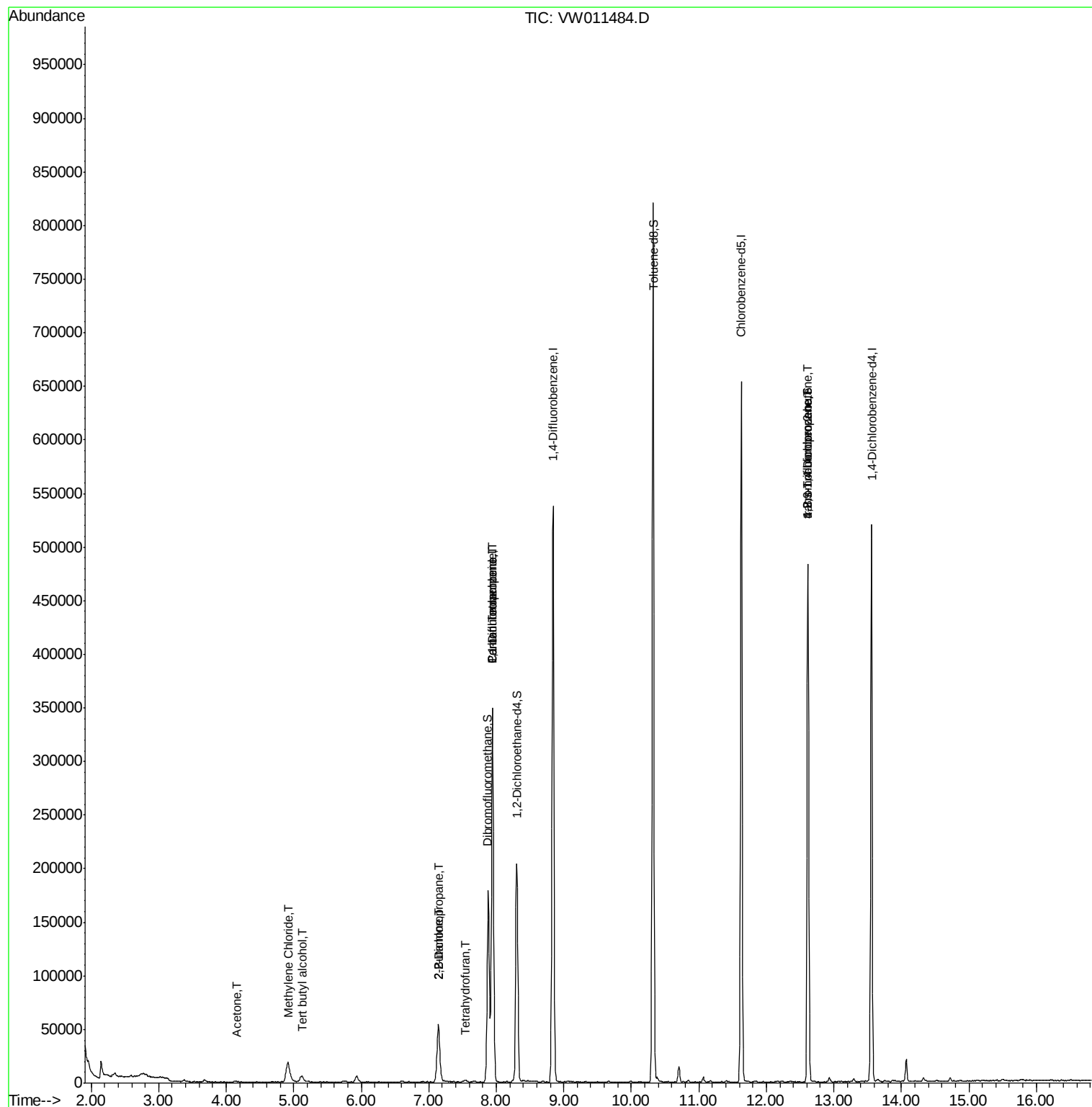
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	5597	23.498	ug/l #	73
16) Acetone	4.16	43	1984	2.563	ug/l	94
18) Methyl Acetate	4.65	43	202	Below Cal	#	57
20) Methylene Chloride	4.92	84	14744	4.828	ug/l	94
25) 2-Butanone	7.14	43	3163	2.603	ug/l #	73
26) 2,2-Dichloropropane	7.14	77	3858	1.267	ug/l #	53
29) Tetrahydrofuran	7.54	42	1694	2.126	ug/l	93
36) 1,1-Dichloropropene	7.95	75	21747	4.751	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25768	6.641	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	83718	55.330	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83718	125.145	ug/l #	6

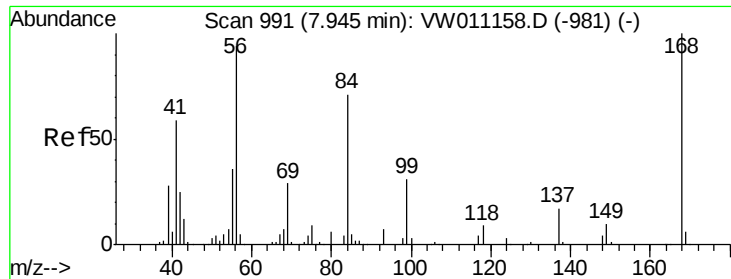
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VW011484.D

Acq: 24 Jul 2019 19:18

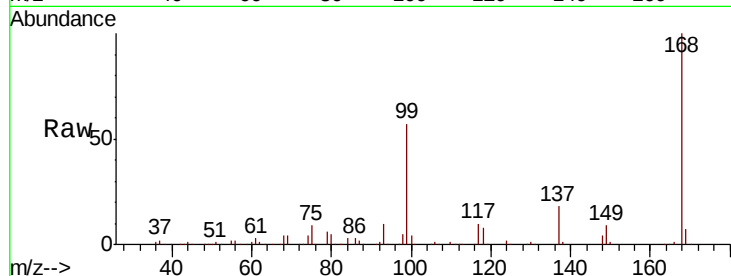
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 256033

Ion Ratio Lower Upper

168 100

99 57.3 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

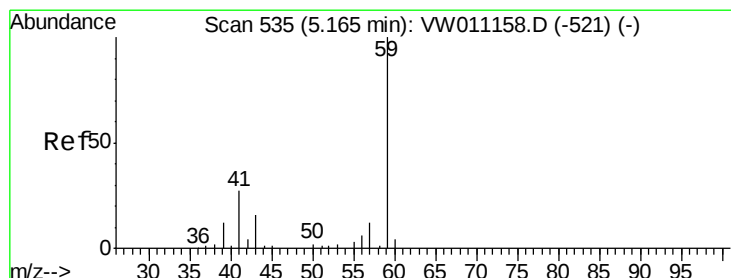
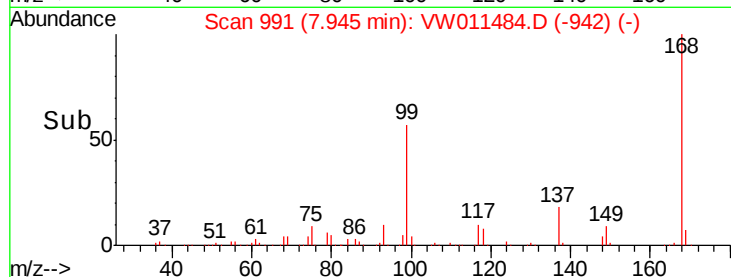
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 23.498 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011484.D

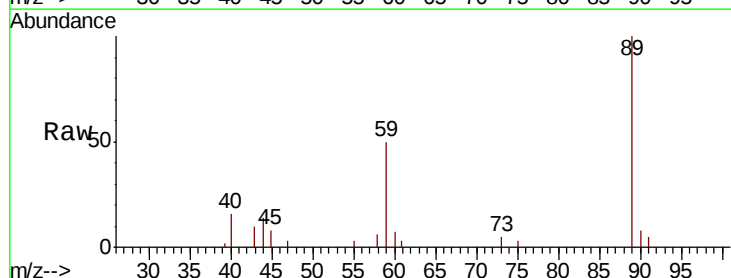
Acq: 24 Jul 2019 19:18

Tgt Ion: 59 Resp: 5597

Ion Ratio Lower Upper

59 100

57 1.1 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

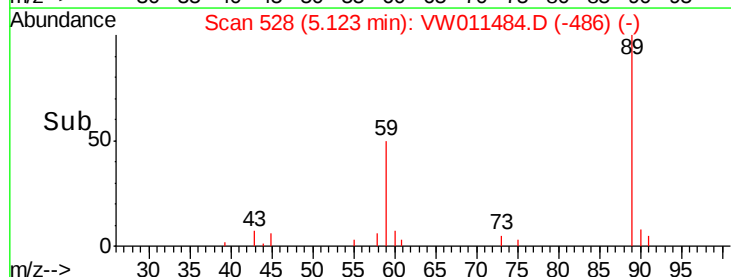
1500

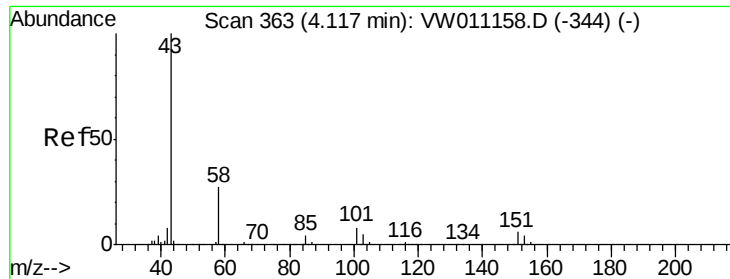
1000

500

0

Time--> 5.00 5.05 5.10 5.15 5.20





#16

Acetone

Concen: 2.563 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW011484.D

Acq: 24 Jul 2019 19:18

Instrument :

MSVOA_W

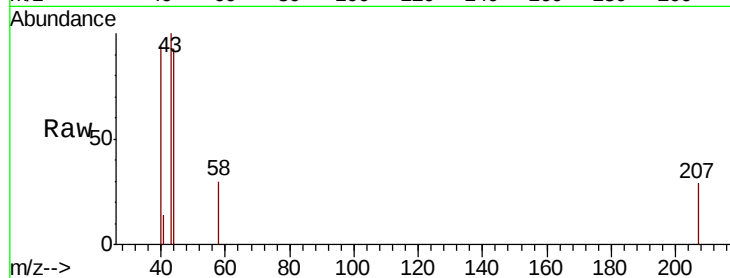
ClientSampled :

Tot Ion: 43 Resp: 1984

Ion Ratio Lower Upper

43 100

58 30.1 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.16

400

300

200

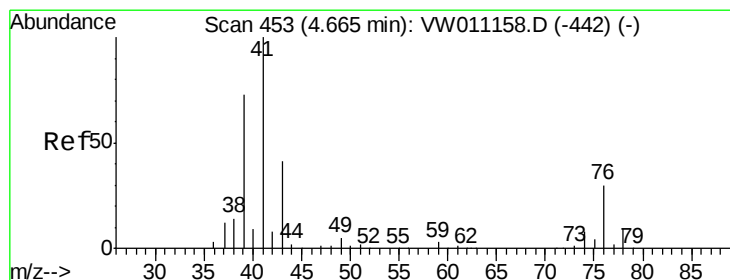
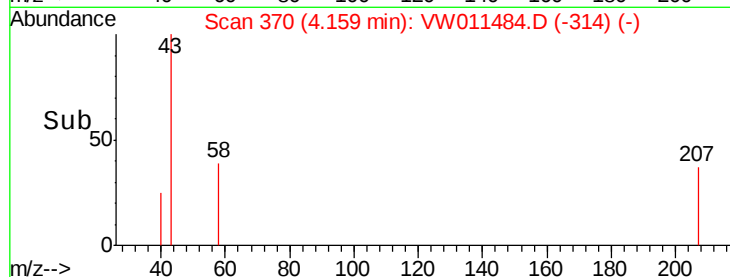
100

0

Time--> 4.00

4.10

4.20



#18

Methyl Acetate

Concen: Below Cal

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011484.D

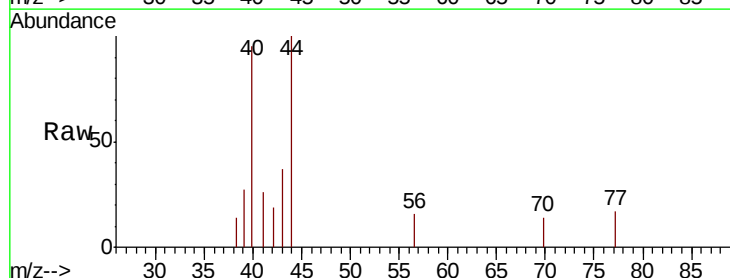
Acq: 24 Jul 2019 19:18

Tgt Ion: 43 Resp: 202

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

150

100

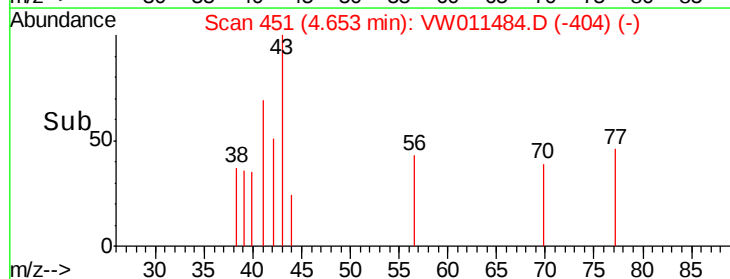
50

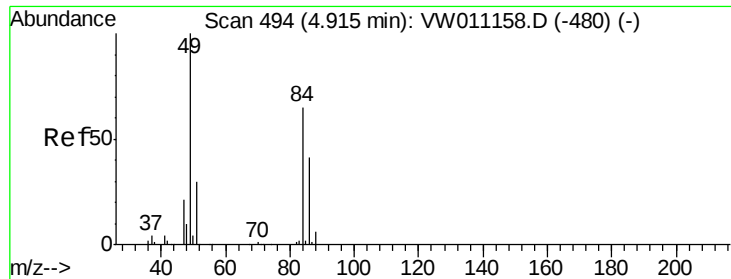
0

Time--> 4.62

4.64

4.66

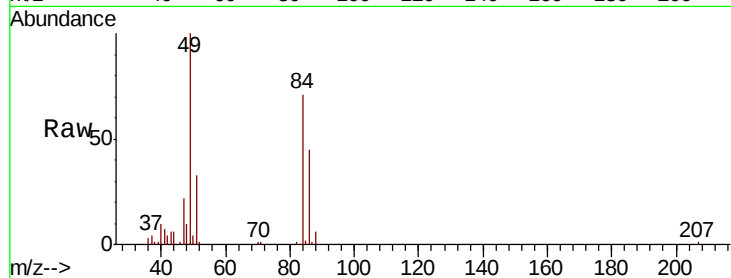




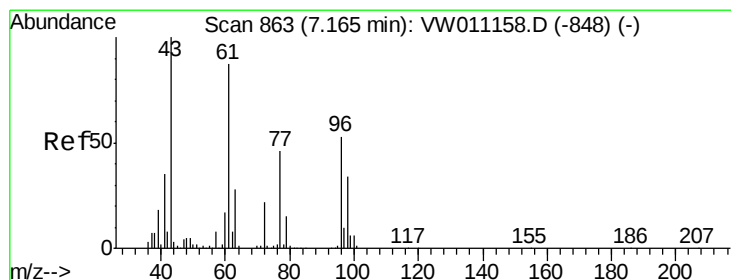
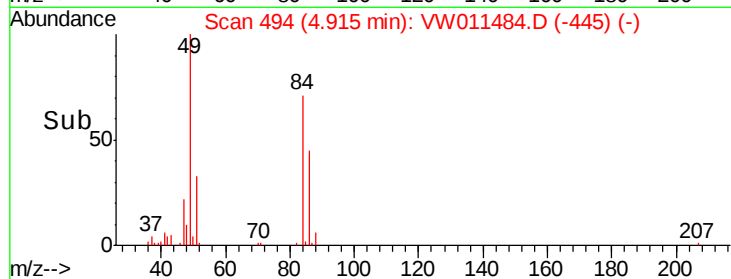
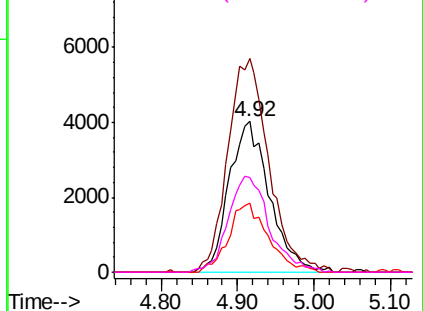
#20
Methvlene Chloride
Concen: 4.828 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011484.D
Acq: 24 Jul 2019 19:18

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 14744
Ion Ratio Lower Upper
84 100
49 141.7 123.8 185.6
51 46.2 37.4 56.2
86 63.2 51.1 76.7

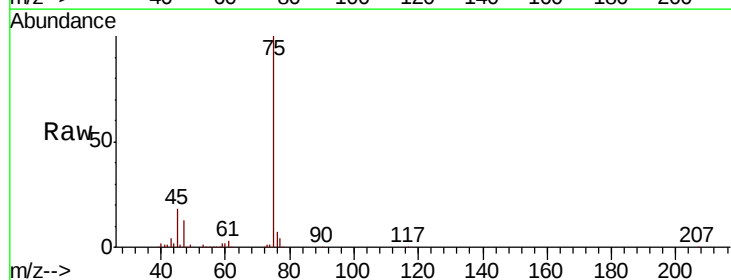


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

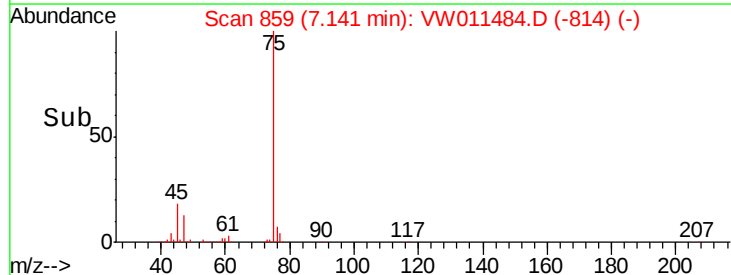
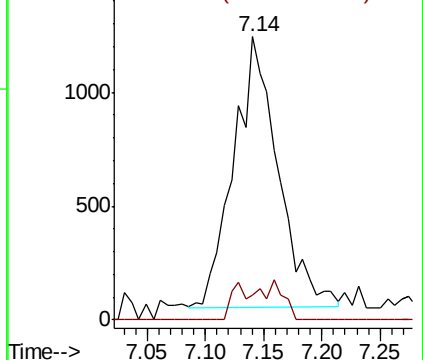


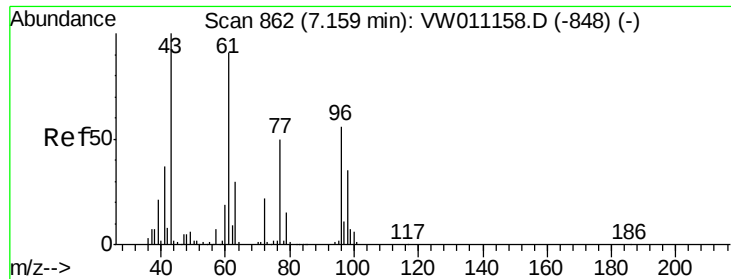
#25
2-Butanone
Concen: 2.603 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011484.D
Acq: 24 Jul 2019 19:18

Tgt Ion: 43 Resp: 3163
Ion Ratio Lower Upper
43 100
72 9.3 17.6 26.4#



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

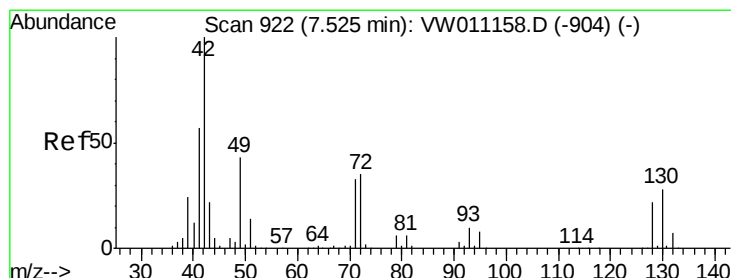
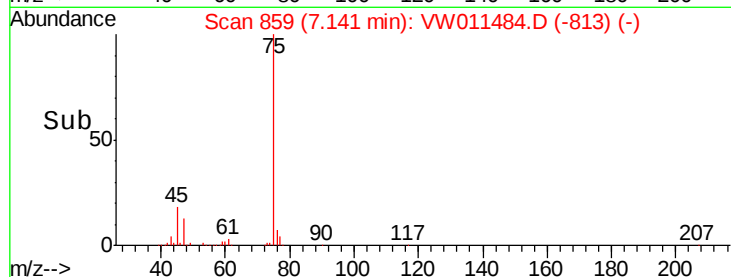
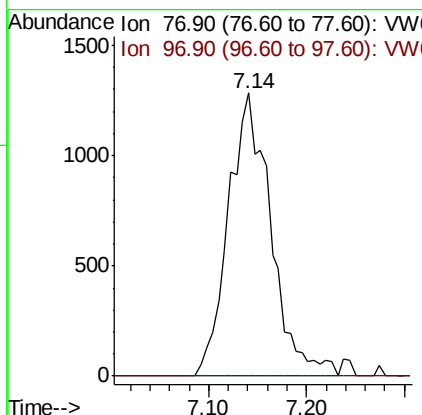
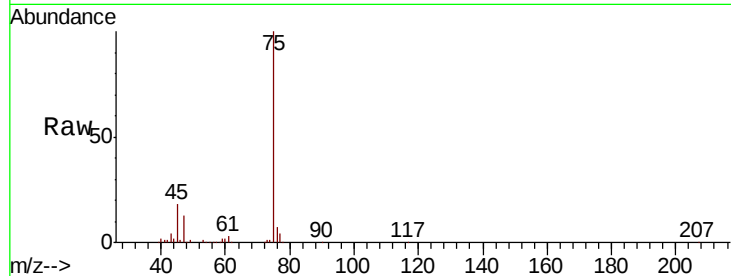




#26
 2,2-Dichloropropane
 Concen: 1.267 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW011484.D
 Acq: 24 Jul 2019 19:18

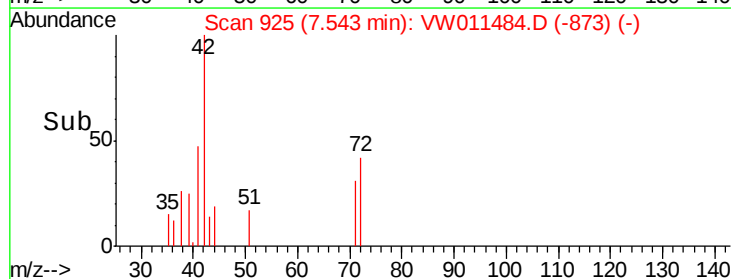
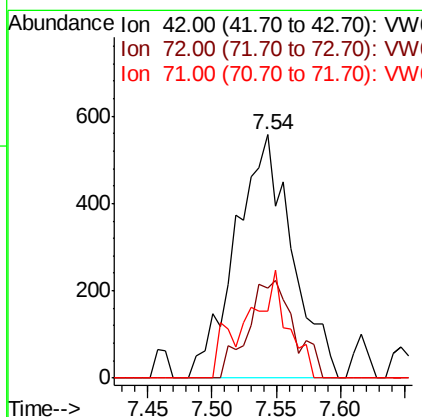
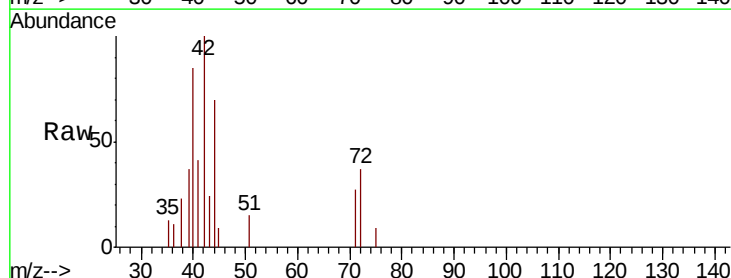
Instrument :
 MSVOA_W
 ClientSampled :

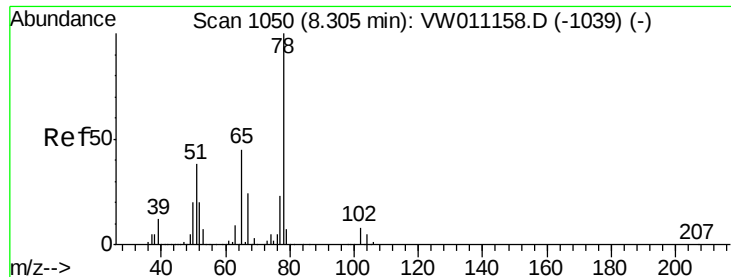
Tot Ion: 77 Resp: 3858
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.5#



#29
 Tetrahydrofuran
 Concen: 2.126 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VW011484.D
 Acq: 24 Jul 2019 19:18

Tgt Ion: 42 Resp: 1694
 Ion Ratio Lower Upper
 42 100
 72 33.0 27.4 41.2
 71 26.2 25.9 38.9





#33

1,2-Dichloroethane-d4

Concen: 51.025 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011484.D

Acq: 24 Jul 2019 19:18

Instrument :

MSVOA_W

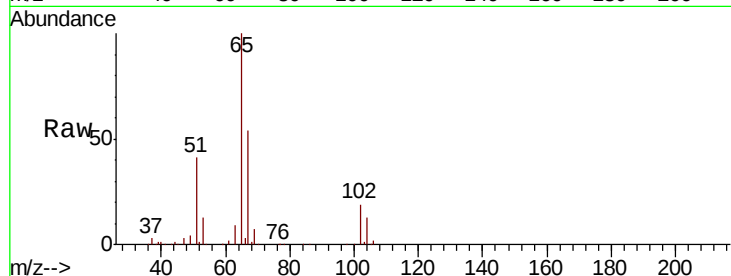
ClientSampleId :

Tot Ion: 65 Resp: 164154

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

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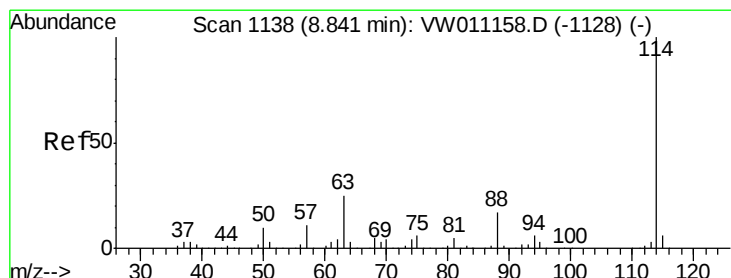
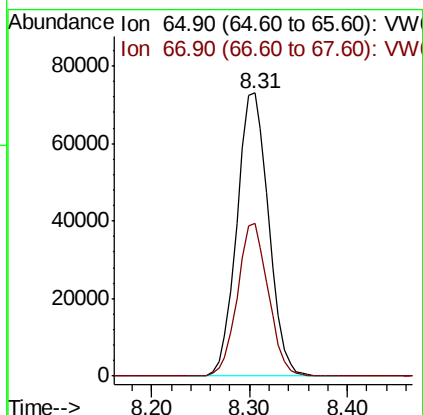
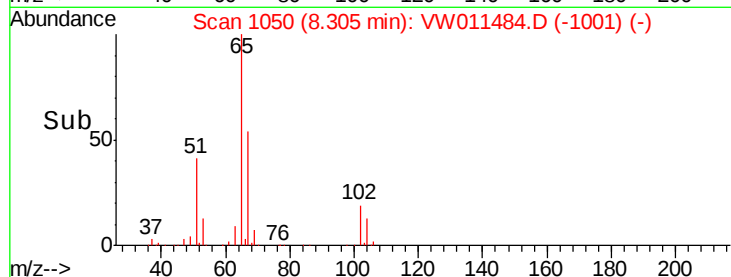
8.31

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011484.D

Acq: 24 Jul 2019 19:18

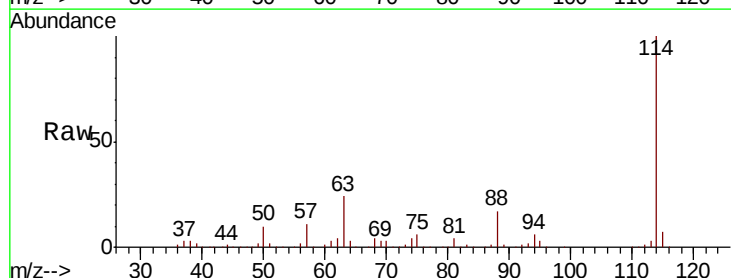
Tgt Ion:114 Resp: 429828

Ion Ratio Lower Upper

114 100

63 23.8 0.0 50.8

88 16.5 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

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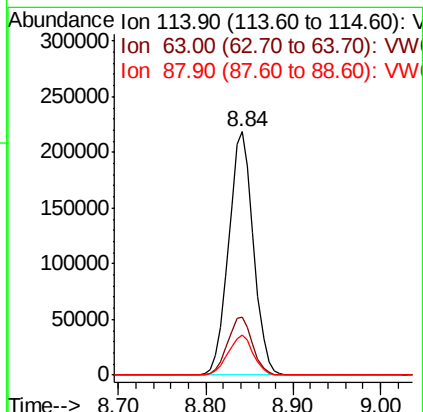
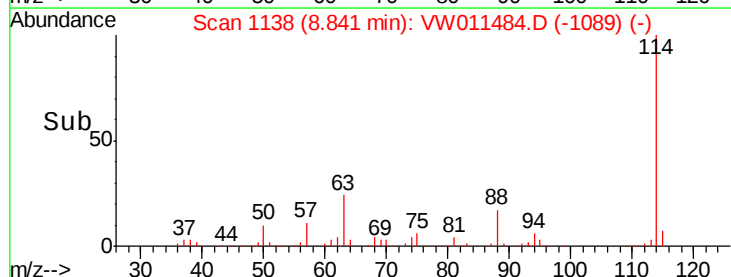
8.84

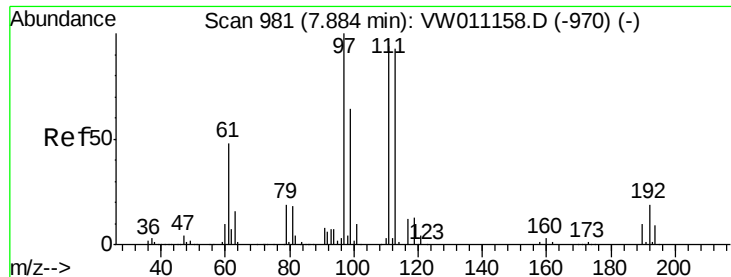
8.84

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8.84





#35

Dibromofluoromethane

Concen: 50.535 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011484.D

Acq: 24 Jul 2019 19:18

Instrument :
MSVOA_W
ClientSampleId :

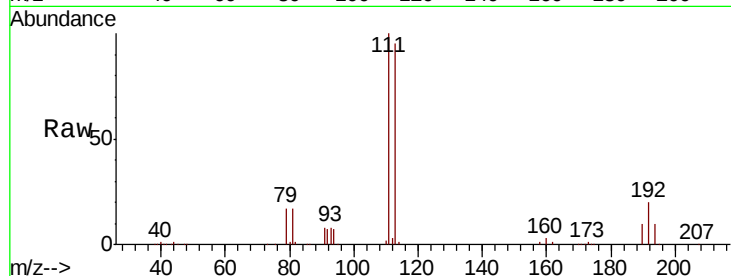
Tot Ion:113 Resp: 129468

Ion Ratio Lower Upper

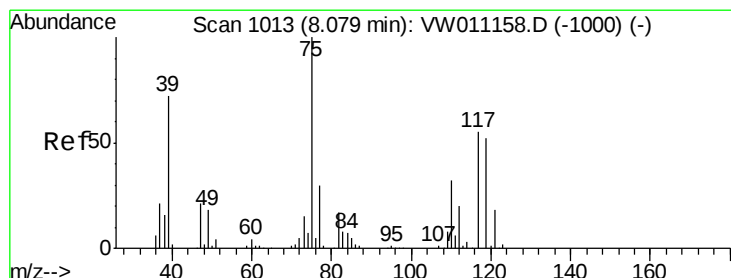
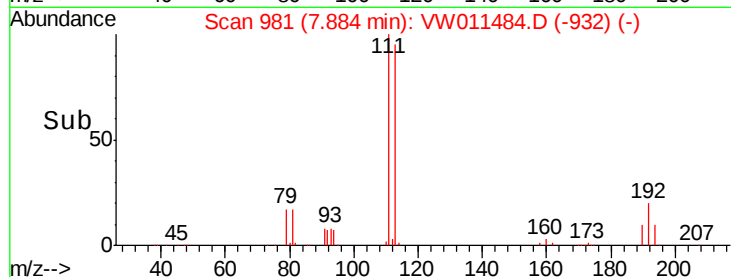
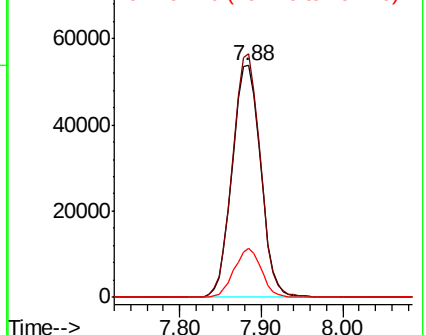
113 100

111 102.4 82.4 123.6

192 20.2 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: 4.751 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011484.D

Acq: 24 Jul 2019 19:18

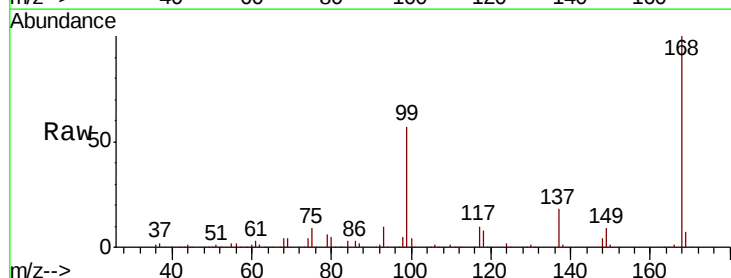
Tgt Ion: 75 Resp: 21747

Ion Ratio Lower Upper

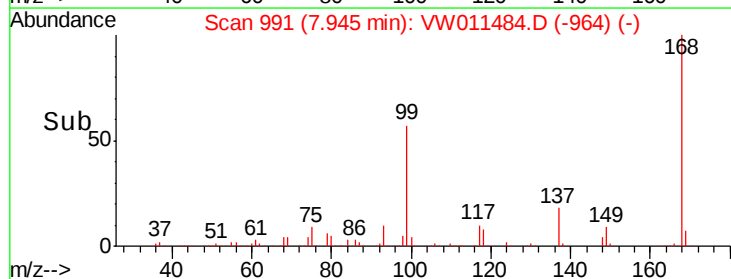
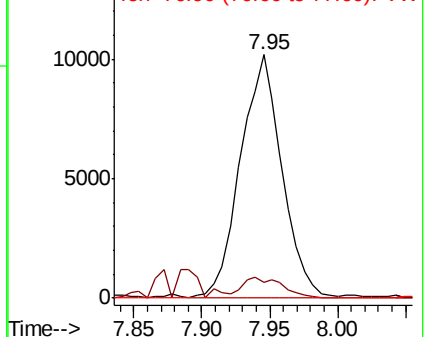
75 100

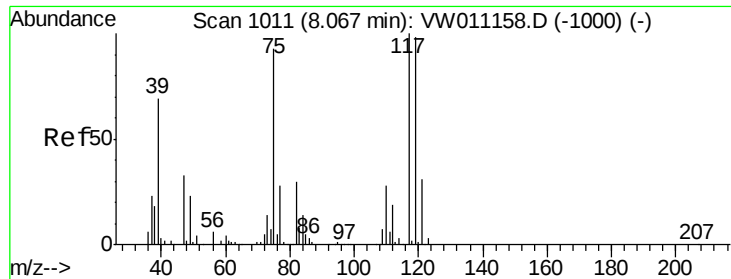
110 8.0 15.9 47.6#

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: 6.641 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011484.D

Acq: 24 Jul 2019 19:18

Instrument :
MSVOA_W
ClientSampled :

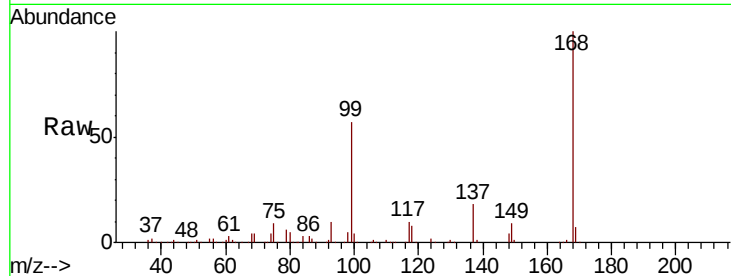
Tot Ion:117 Resp: 25768

Ion Ratio Lower Upper

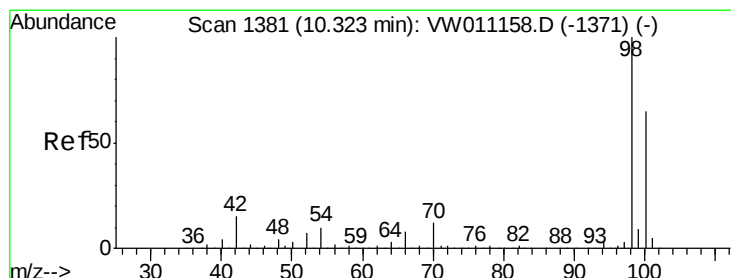
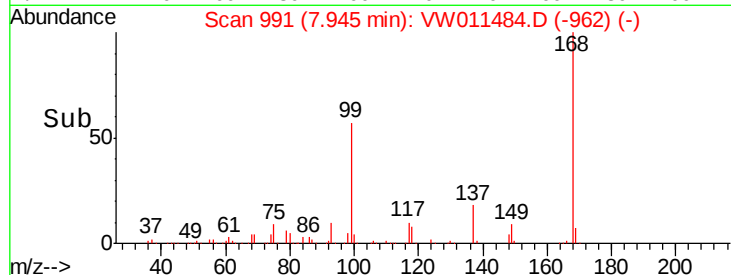
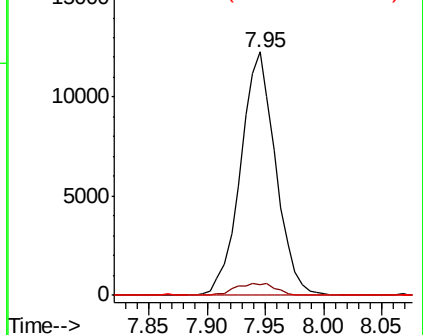
117 100

119 4.4 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: 50.134 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011484.D

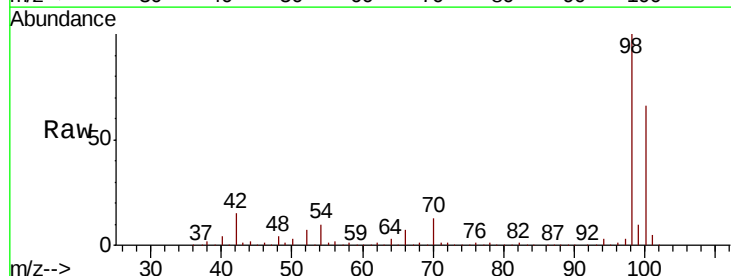
Acq: 24 Jul 2019 19:18

Tgt Ion: 98 Resp: 519179

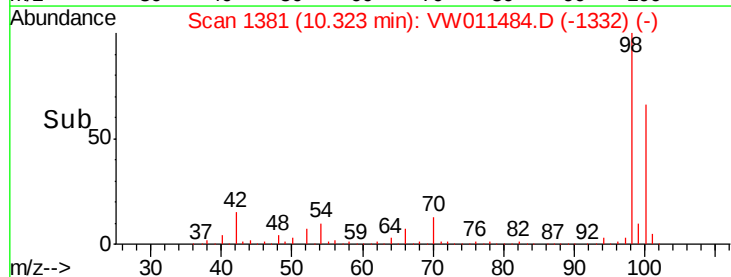
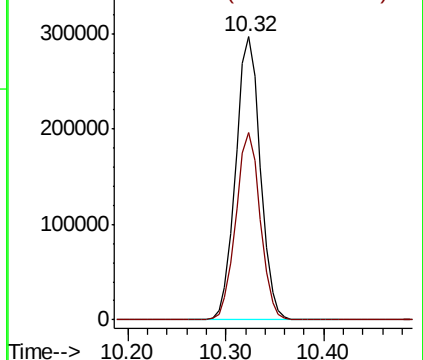
Ion Ratio Lower Upper

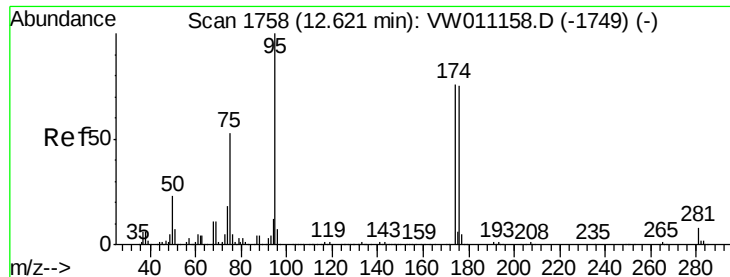
98 100

100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 41.887 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011484.D

Acq: 24 Jul 2019 19:18

Instrument :

MSVOA_W

ClientSampleId :

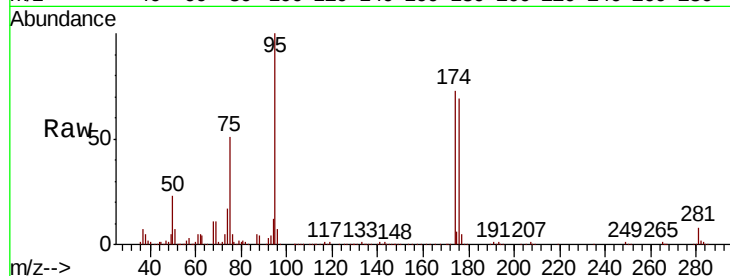
Tot Ion: 95 Resp: 158992

Ion Ratio Lower Upper

95 100

174 76.3 0.0 147.6

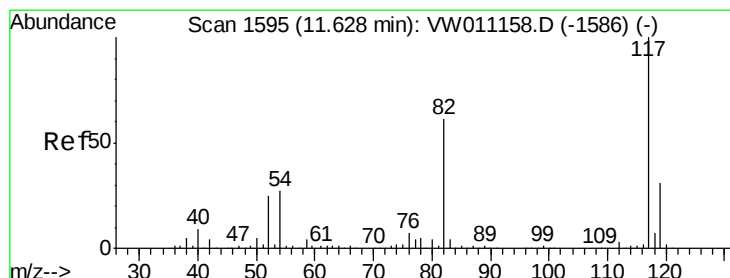
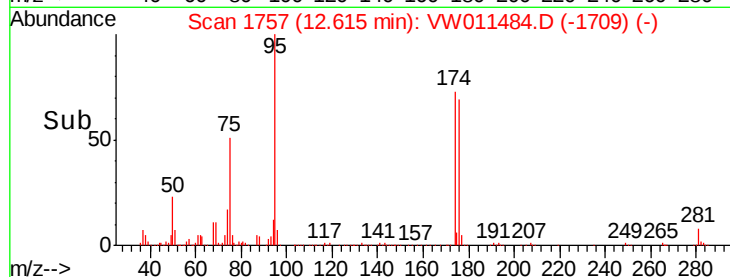
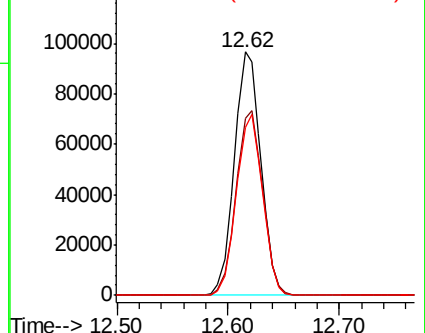
176 73.5 0.0 144.6



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: VW011484.D

Acq: 24 Jul 2019 19:18

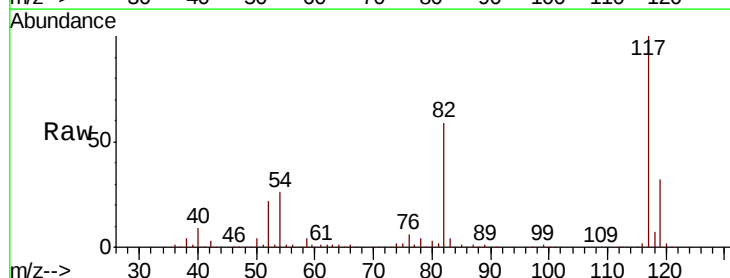
Tgt Ion: 117 Resp: 343774

Ion Ratio Lower Upper

117 100

82 58.9 48.9 73.3

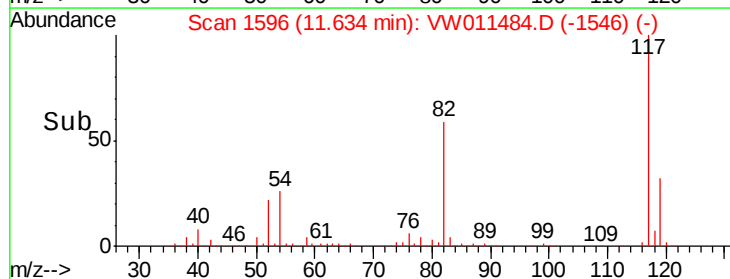
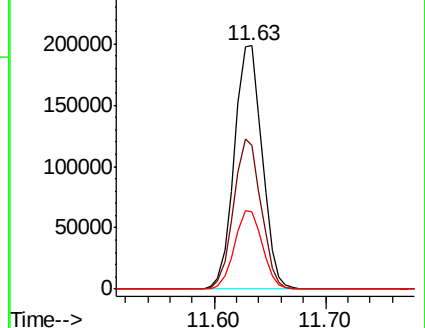
119 31.6 25.0 37.6

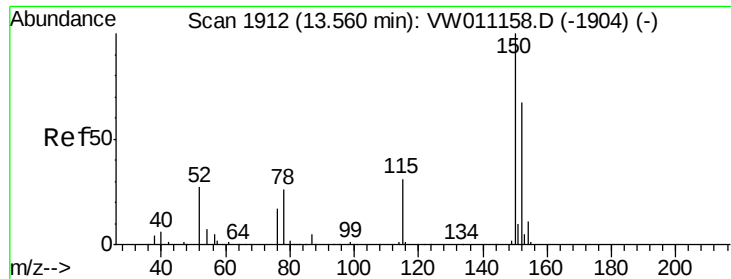


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011484.D

Acq: 24 Jul 2019 19:18

Instrument :

MSVOA_W

ClientSampleId :

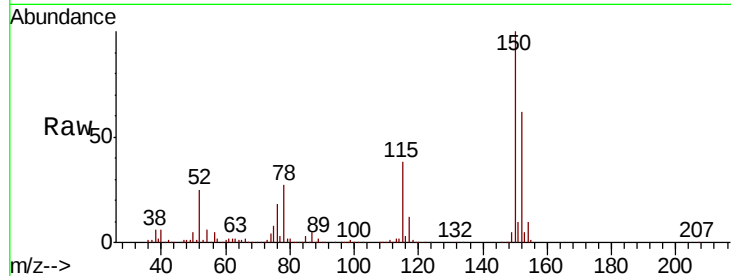
Tot Ion:152 Resp: 130931

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

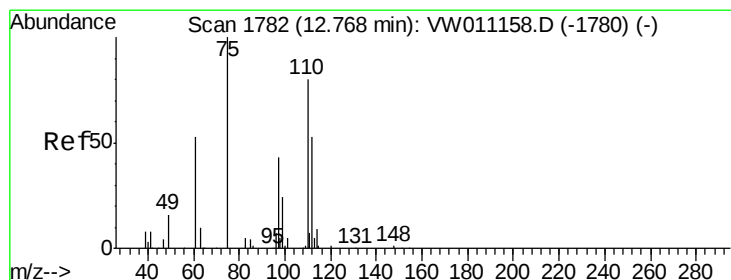
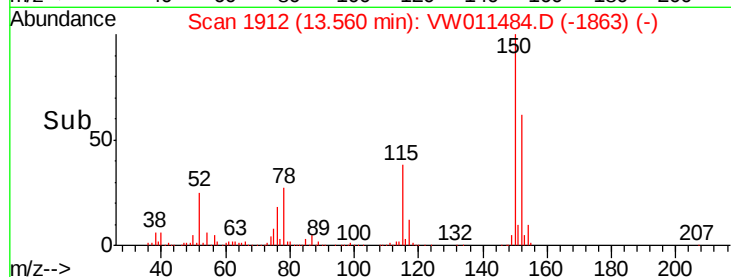
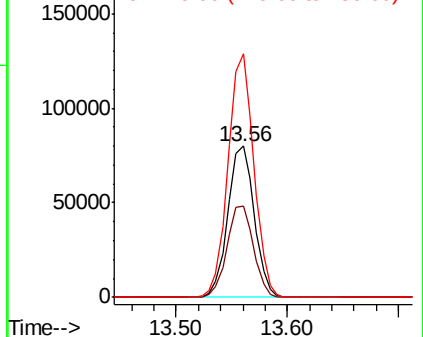
150 157.7 0.0 346.0



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: 55.330 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011484.D

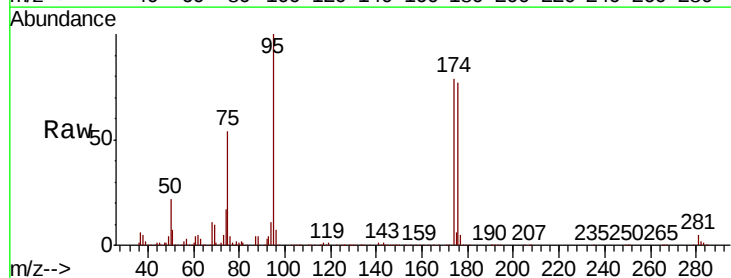
Acq: 24 Jul 2019 19:18

Tgt Ion: 75 Resp: 83718

Ion Ratio Lower Upper

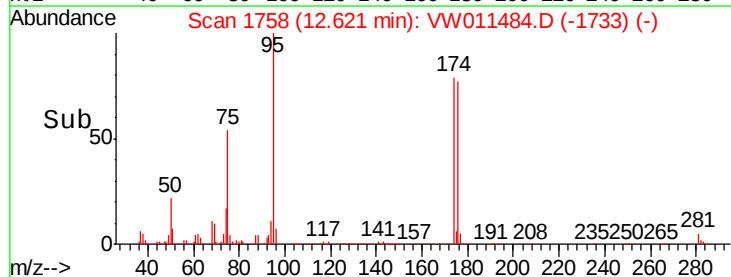
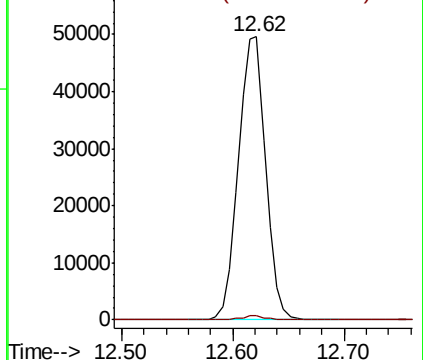
75 100

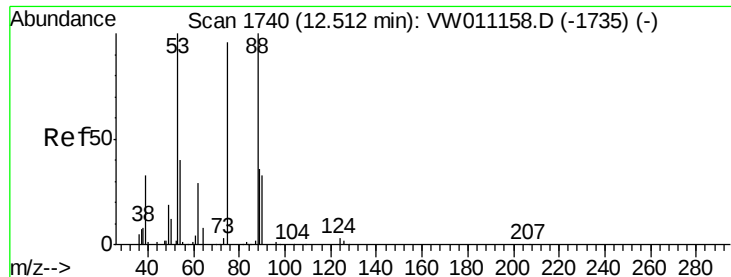
77 1.3 0.0 0.0#



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: 125.145 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011484.D

Acq: 24 Jul 2019 19:18

Instrument :

MSVOA_W

ClientSampleId :

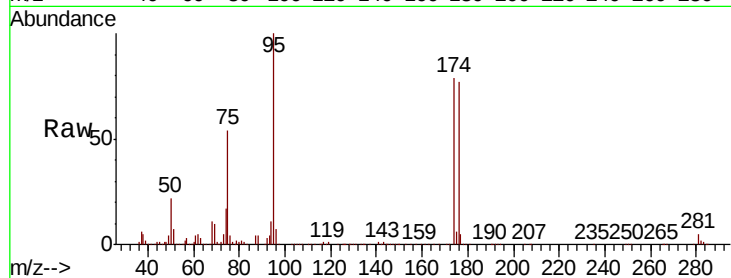
Tot Ion: 75 Resp: 83718

Ion Ratio Lower Upper

75 100

53 0.1 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

