

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011411.D
 Acq On : 20 Jul 2019 08:23
 Operator : SY/VA
 Sample : K3866-01
 Misc : 7.51G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1488

Quant Time: Jul 22 01:01:00 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	297667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	498133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163100	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	190753	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	7.88	113	149788	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	10.32	98	617237	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.62	95	197280	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	

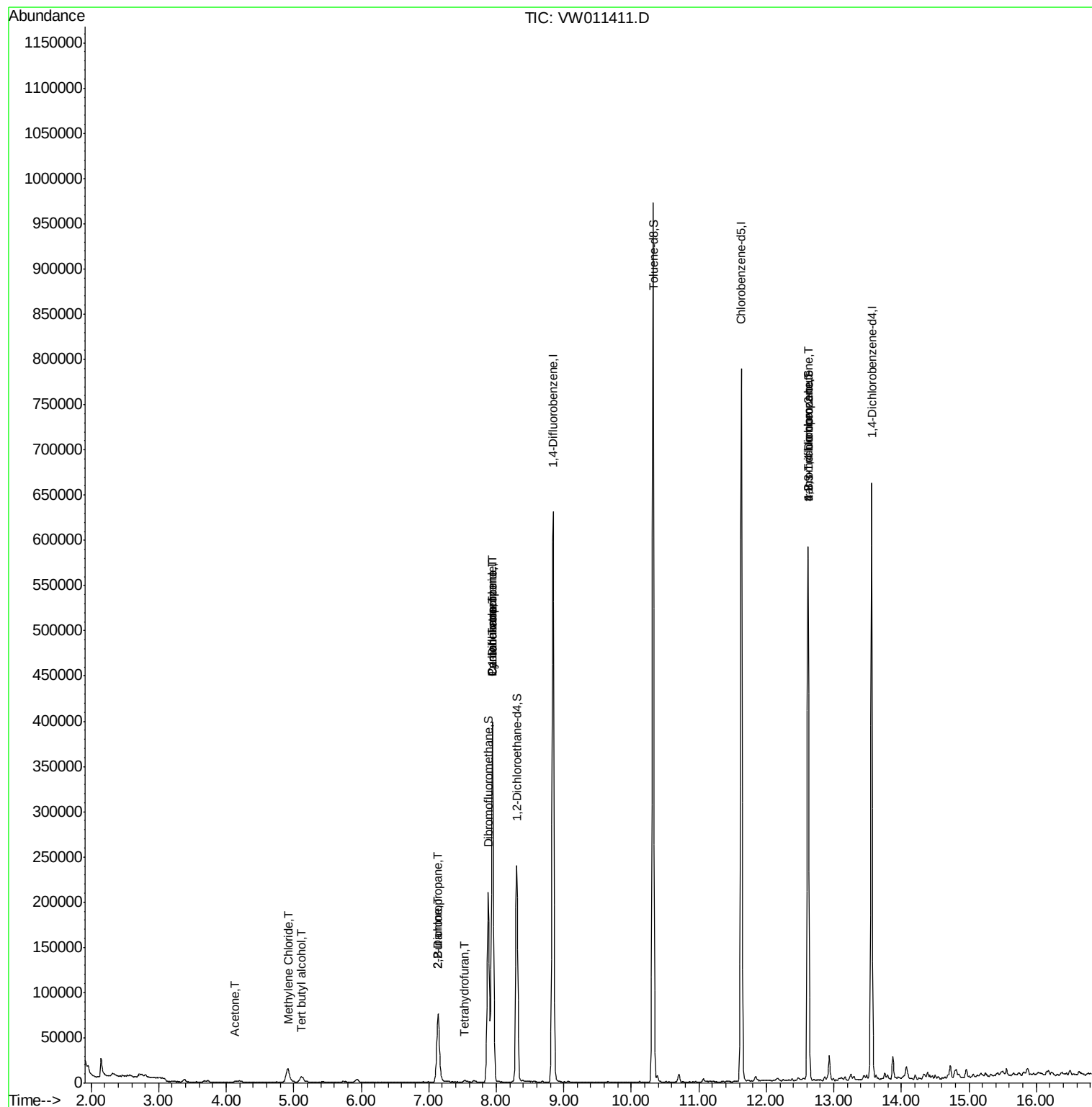
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	6490	23.436	ug/l #	74
16) Acetone	4.13	43	2376	2.640	ug/l	91
18) Methyl Acetate	4.68	43	701	Below Cal	#	70
20) Methylene Chloride	4.91	84	11345	3.196	ug/l	92
25) 2-Butanone	7.13	43	4632	3.279	ug/l #	70
26) 2,2-Dichloropropane	7.15	77	5323	1.504	ug/l #	53
29) Tetrahydrofuran	7.53	42	1453	1.569	ug/l #	83
31) Cyclohexane	7.94	56	7321	1.010	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	25956	4.893	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29425	6.543	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	103044	54.670	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	103044	123.654	ug/l #	6

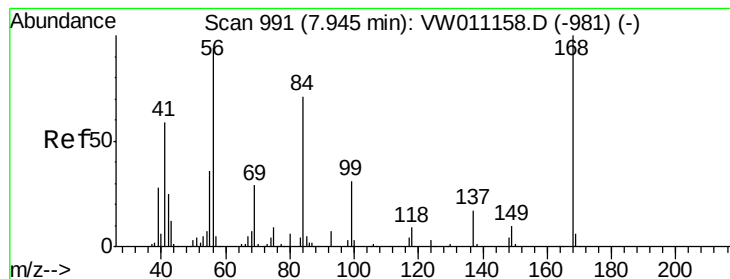
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072019\
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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: VW011411.D

Acq: 20 Jul 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

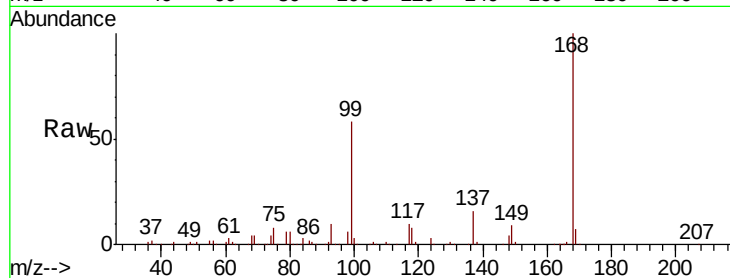
RT-1488

Tot Ion:168 Resp: 297667

Ion Ratio Lower Upper

168 100

99 58.4 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

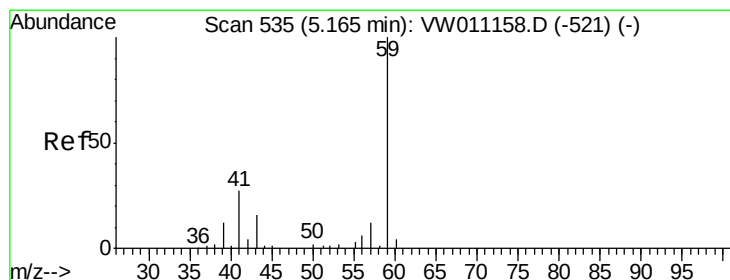
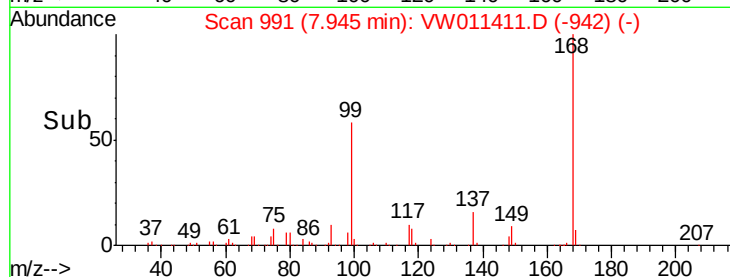
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 23.436 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011411.D

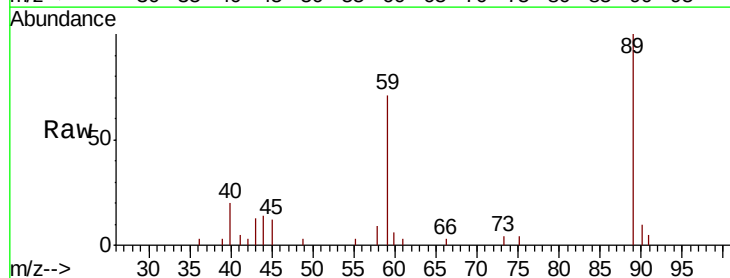
Acq: 20 Jul 2019 08:23

Tgt Ion: 59 Resp: 6490

Ion Ratio Lower Upper

59 100

57 1.2 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

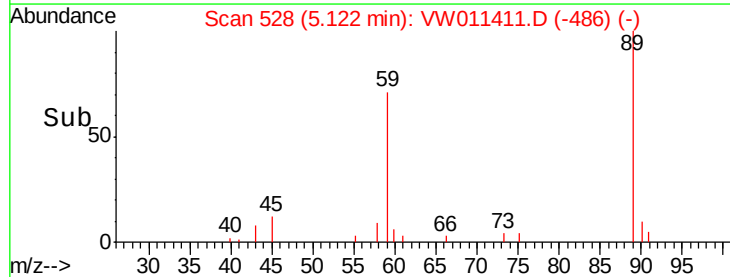
1500

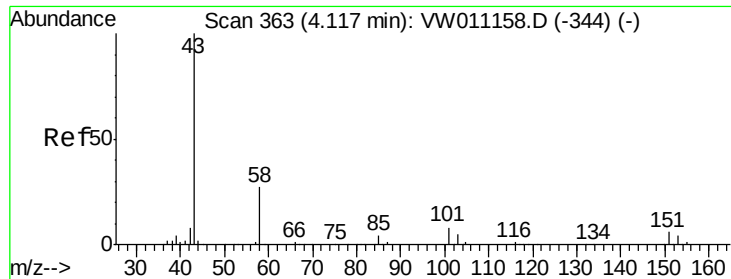
1000

500

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 2.640 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011411.D

Acq: 20 Jul 2019 08:23

Instrument :

MSVOA_W

ClientSampled :

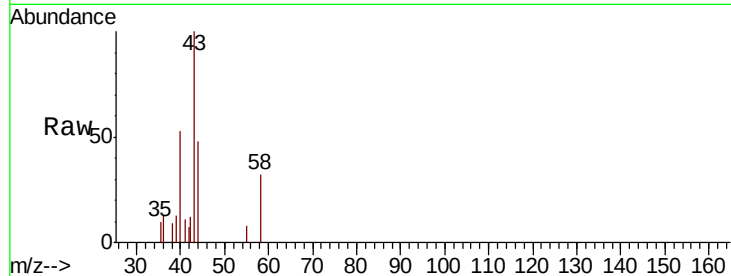
RT-1488

Tot Ion: 43 Resp: 2376

Ion Ratio Lower Upper

43 100

58 31.9 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

600

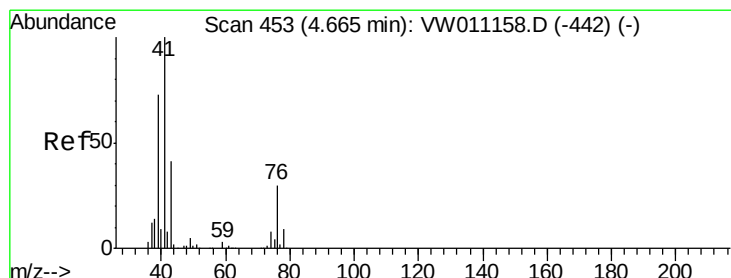
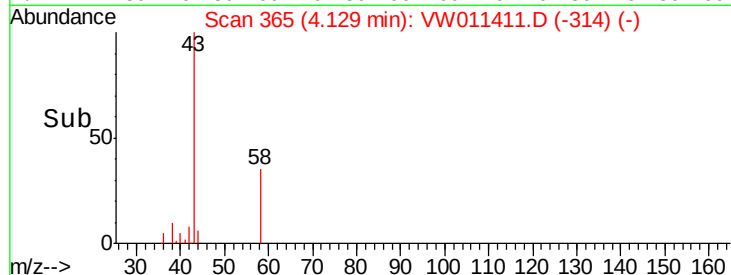
400

200

0

4.05 4.10 4.15 4.20

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW011411.D

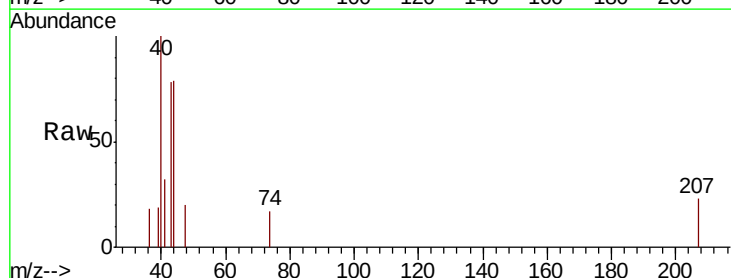
Acq: 20 Jul 2019 08:23

Tgt Ion: 43 Resp: 701

Ion Ratio Lower Upper

43 100

74 6.1 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

300

250

200

150

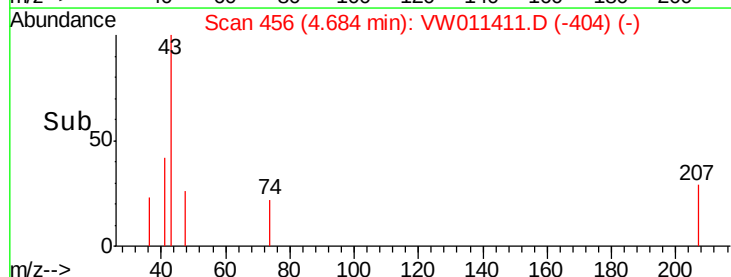
100

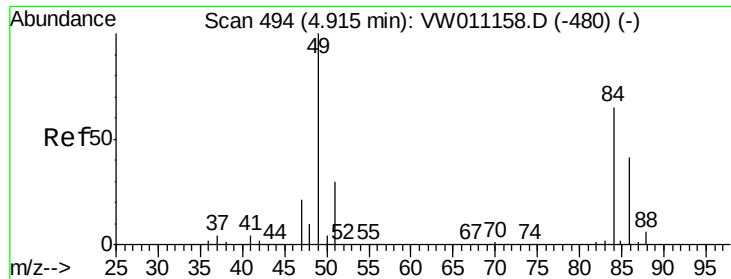
50

0

4.60 4.65 4.70

Time-->

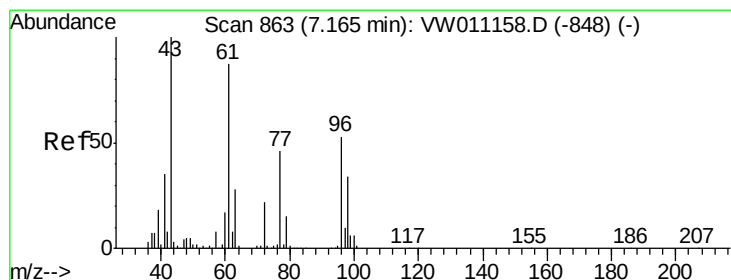
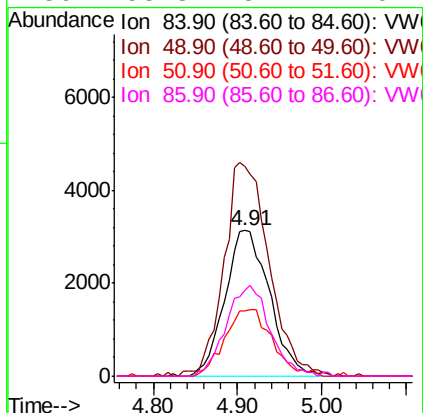
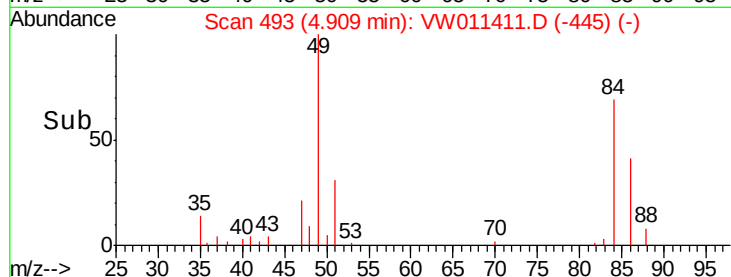
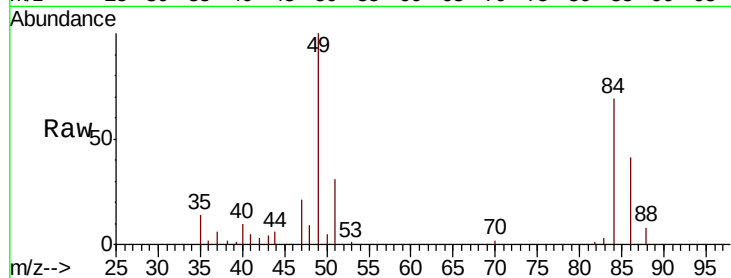




#20
Methylene Chloride
Concen: 3.196 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011411.D
Acq: 20 Jul 2019 08:23

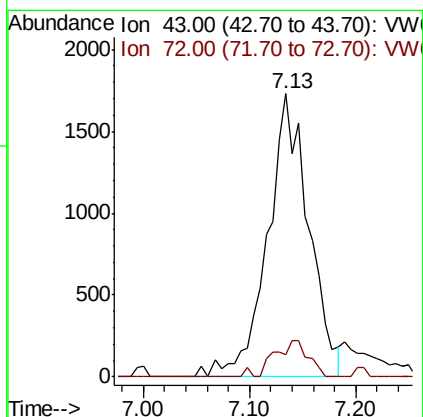
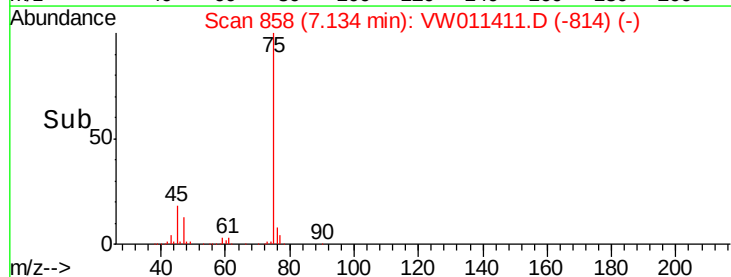
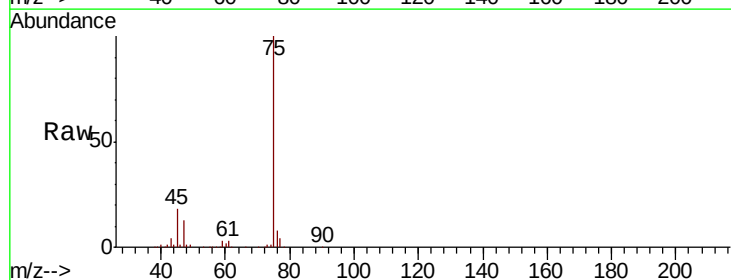
Instrument :
MSVOA_W
ClientSampled :
RT-1488

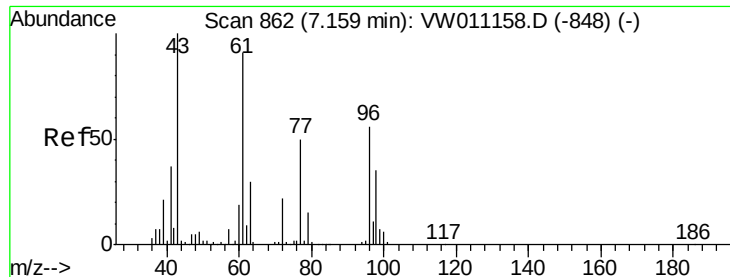
Tot Ion: 84 Resp: 11345
Ion Ratio Lower Upper
84 100
49 142.1 123.8 185.6
51 45.2 37.4 56.2
86 58.8 51.1 76.7



#25
2-Butanone
Concen: 3.279 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW011411.D
Acq: 20 Jul 2019 08:23

Tgt Ion: 43 Resp: 4632
Ion Ratio Lower Upper
43 100
72 7.8 17.6 26.4#

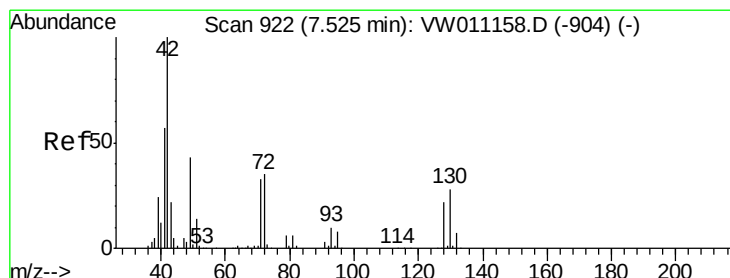
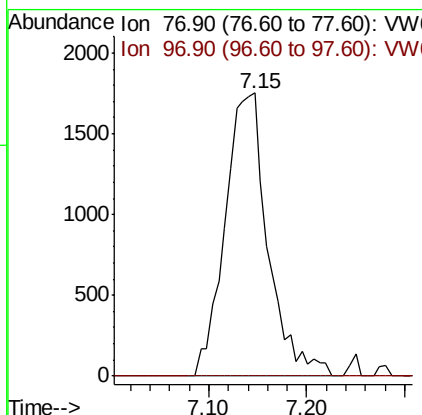
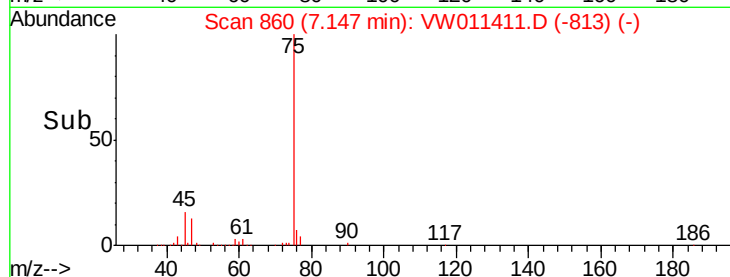
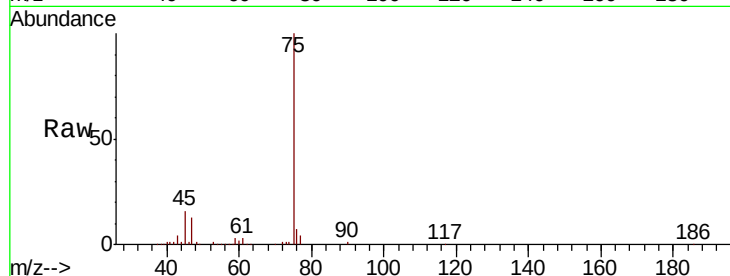




#26
 2,2-Dichloropropane
 Concen: 1.504 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW011411.D
 Acq: 20 Jul 2019 08:23

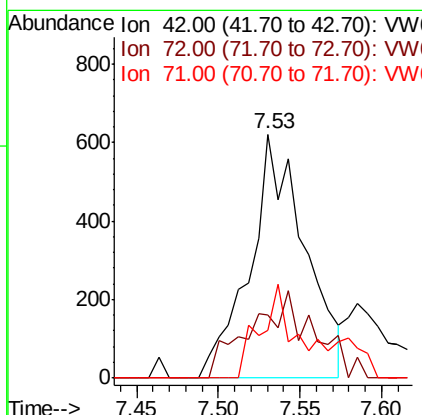
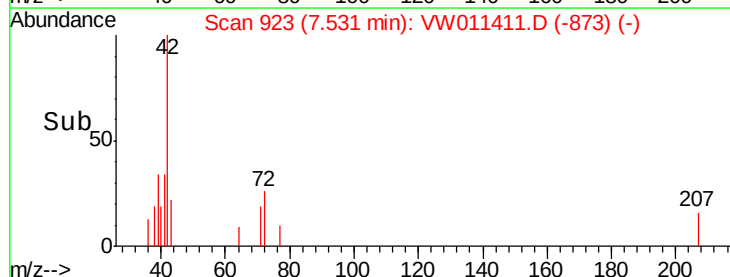
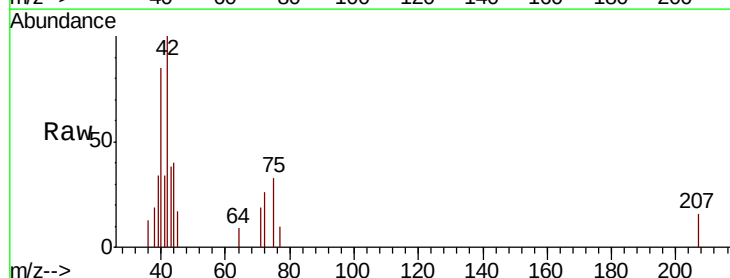
Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1488

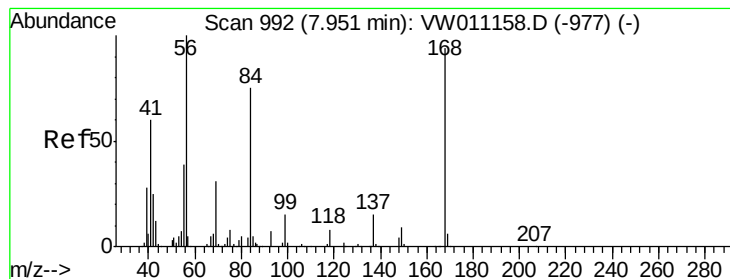
Tot Ion: 77 Resp: 5323
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.5#



#29
 Tetrahydrofuran
 Concen: 1.569 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW011411.D
 Acq: 20 Jul 2019 08:23

Tgt Ion: 42 Resp: 1453
 Ion Ratio Lower Upper
 42 100
 72 21.0 27.4 41.2#
 71 26.3 25.9 38.9





#31

Cyclohexane

Concen: 1.010 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011411.D

Acq: 20 Jul 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

RT-1488

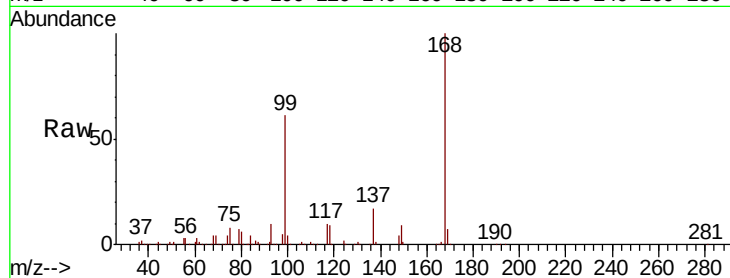
Tot Ion: 56 Resp: 7321

Ion Ratio Lower Upper

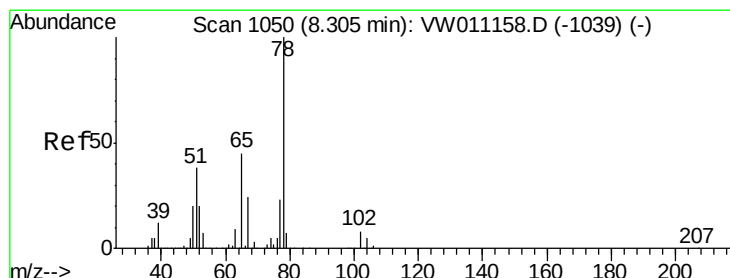
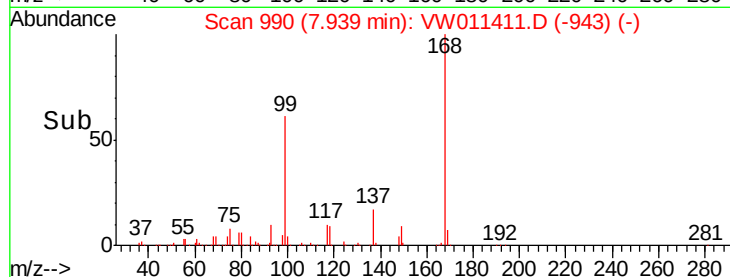
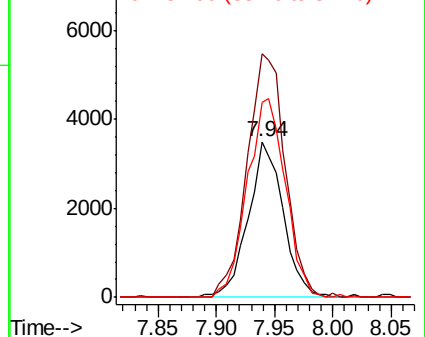
56 100

69 156.4 24.6 36.8#

84 136.9 60.1 90.1#



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: 50.999 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011411.D

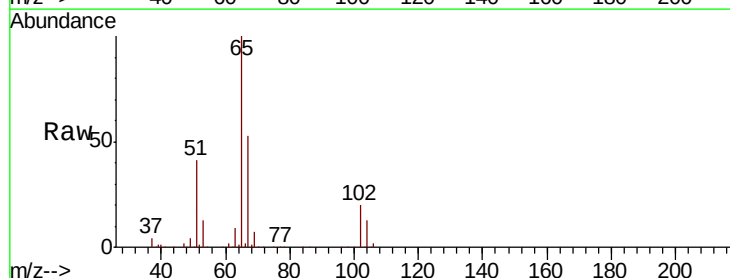
Acq: 20 Jul 2019 08:23

Tgt Ion: 65 Resp: 190753

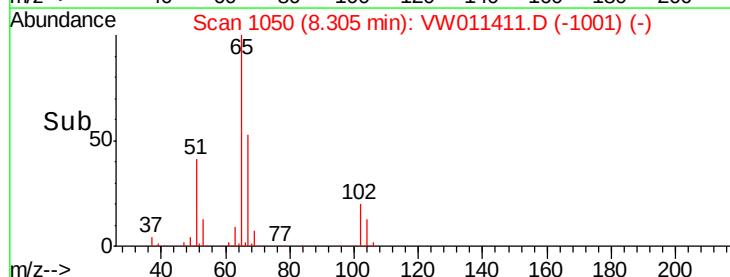
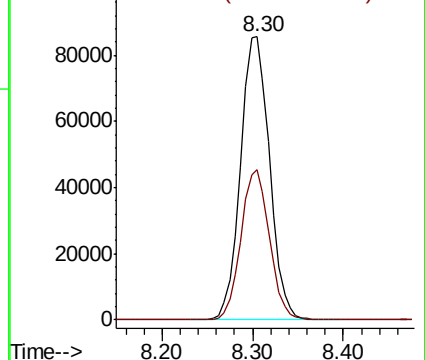
Ion Ratio Lower Upper

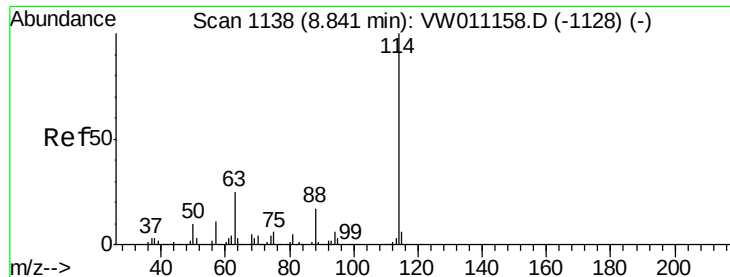
65 100

67 52.0 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: VW011411.D

Acq: 20 Jul 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

RT-1488

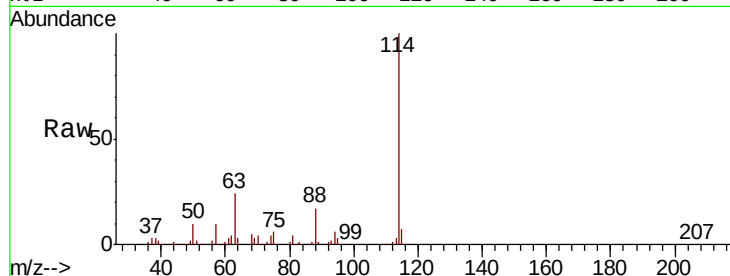
Tot Ion:114 Resp: 498133

Ion Ratio Lower Upper

114 100

63 24.3 0.0 50.8

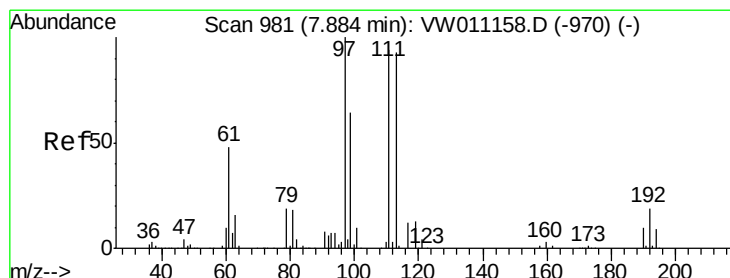
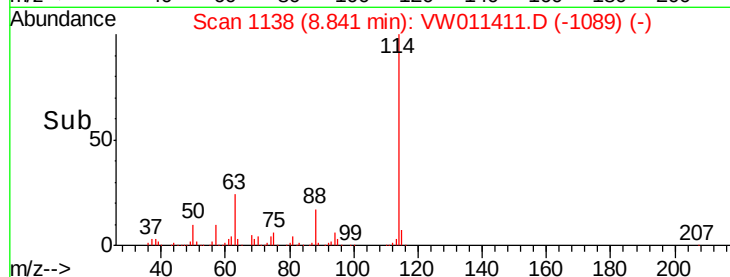
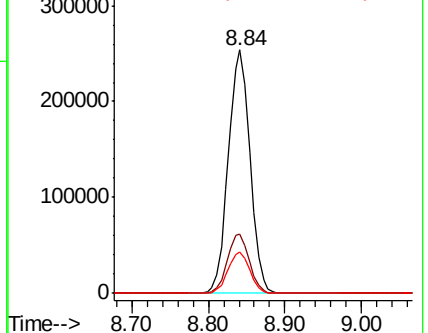
88 16.8 0.0 34.2



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: 50.449 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011411.D

Acq: 20 Jul 2019 08:23

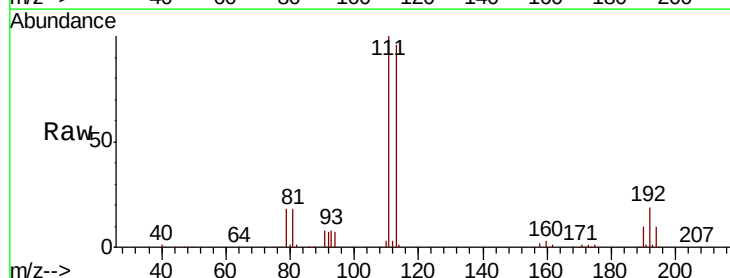
Tgt Ion:113 Resp: 149788

Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

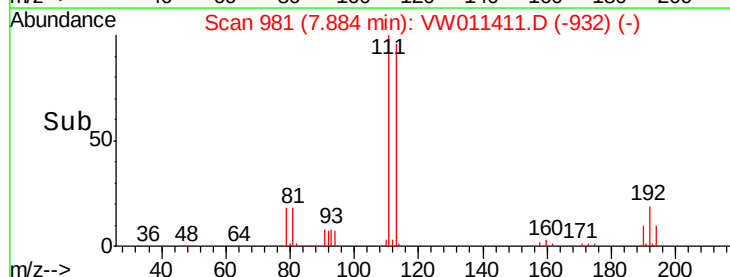
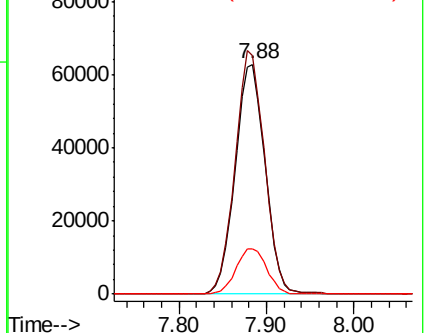
192 20.1 15.8 23.8

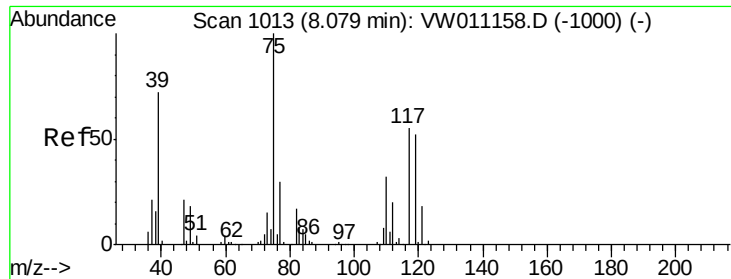


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

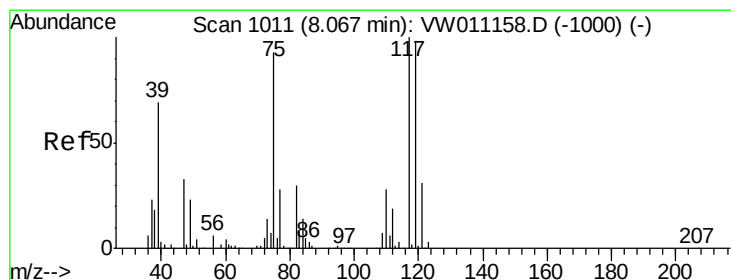
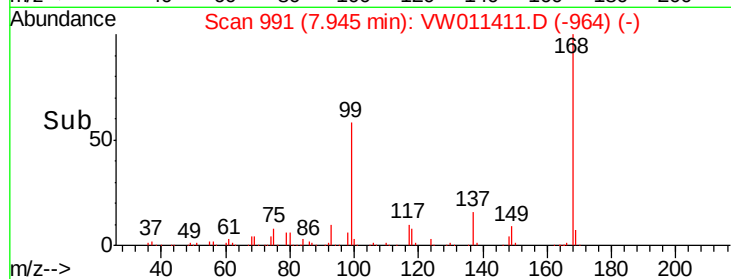
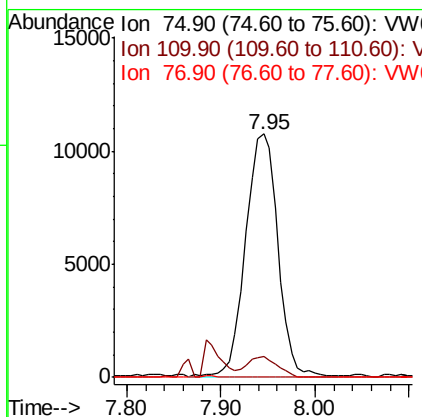
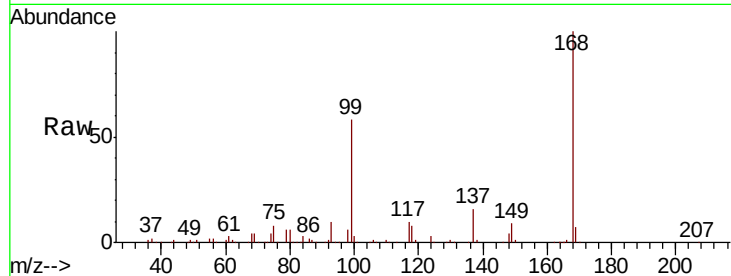




#36
 1,1-Dichloropropene
 Concen: 4.893 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011411.D
 Acq: 20 Jul 2019 08:23

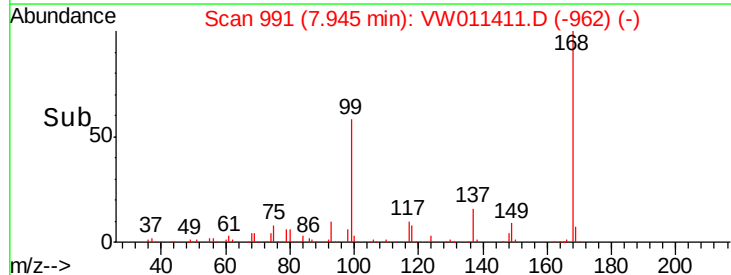
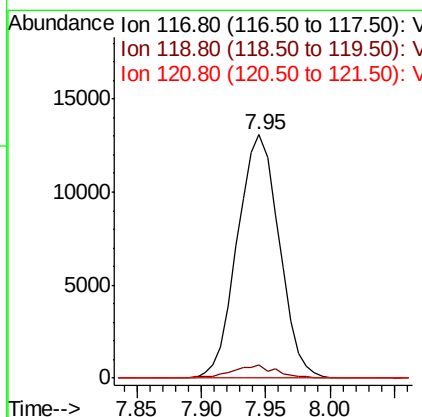
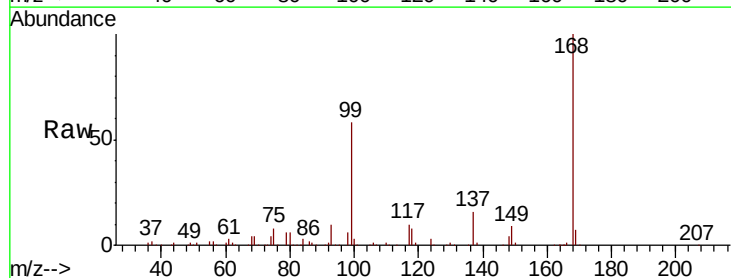
Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1488

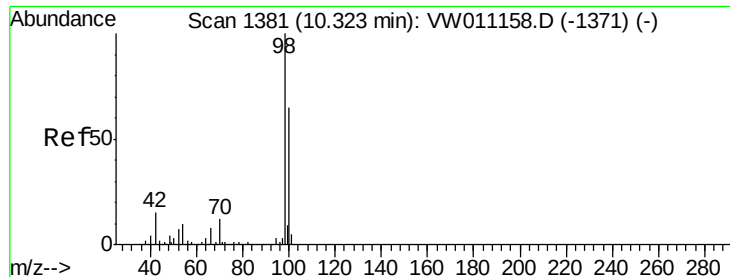
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	15.9	47.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.543 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011411.D
 Acq: 20 Jul 2019 08:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.1	117.1#
121	0.0	25.1	37.7#

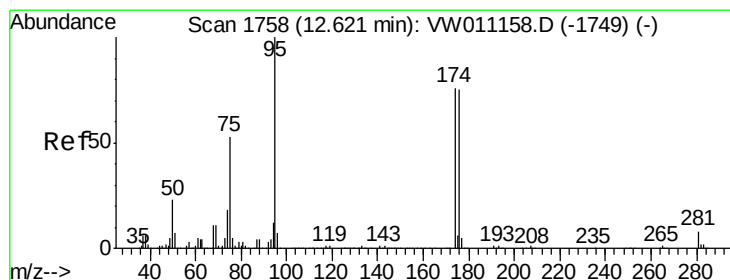
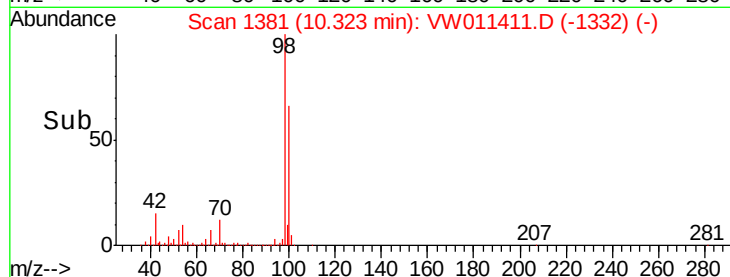
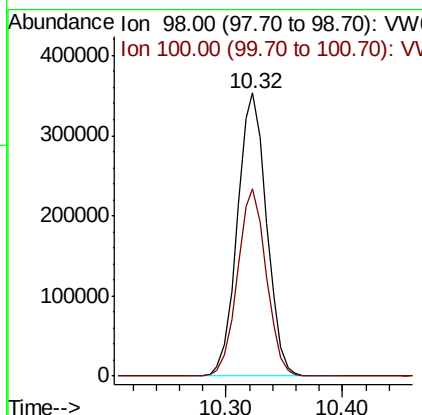
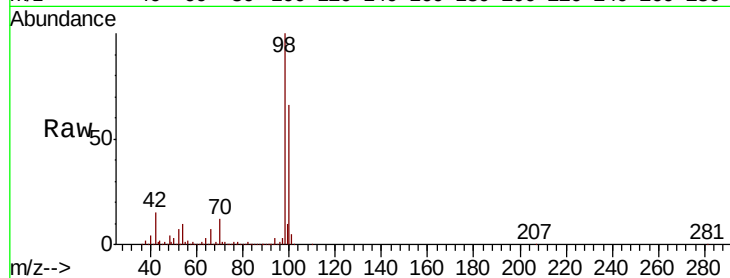




#50
Toluene-d8
Concen: 51.430 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011411.D
Acq: 20 Jul 2019 08:23

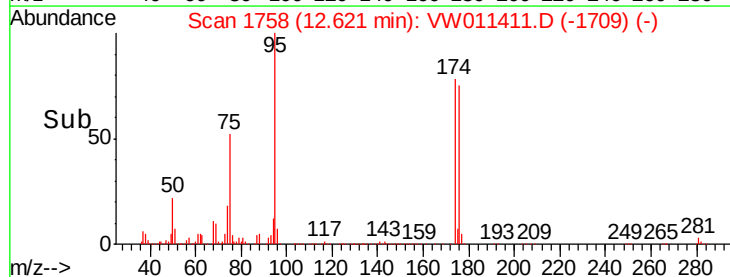
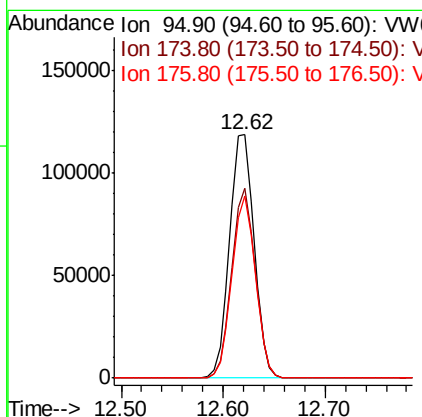
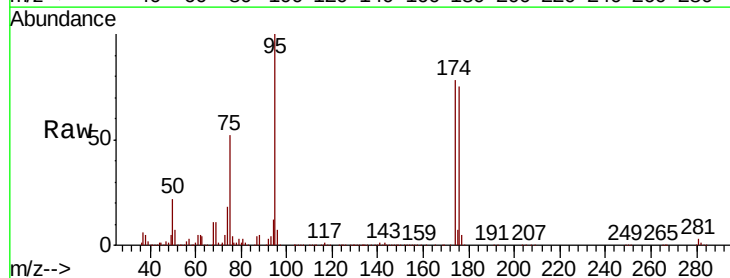
Instrument :
MSVOA_W
ClientSampleId :
RT-1488

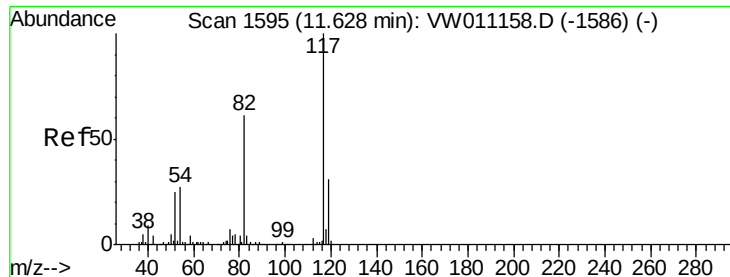
Tot Ion: 98 Resp: 617237
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 44.847 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW011411.D
Acq: 20 Jul 2019 08:23

Tgt Ion: 95 Resp: 197280
Ion Ratio Lower Upper
95 100
174 74.8 0.0 147.6
176 71.8 0.0 144.6

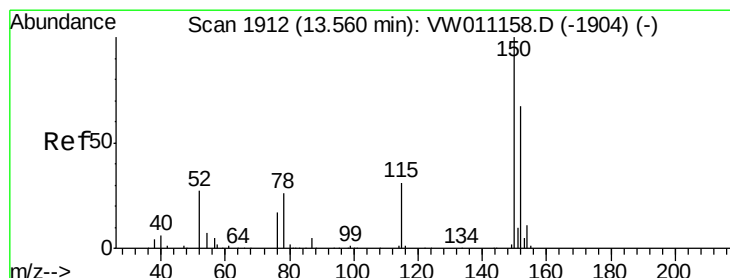
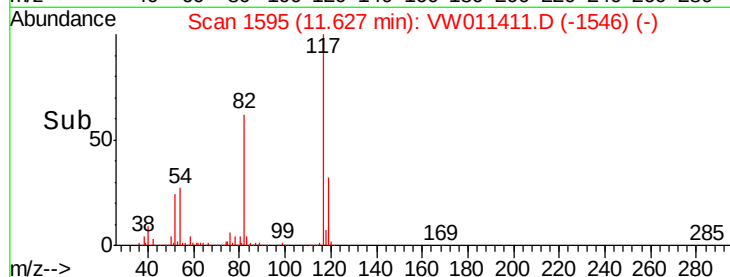
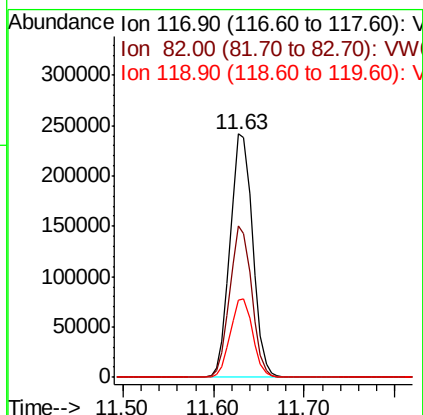
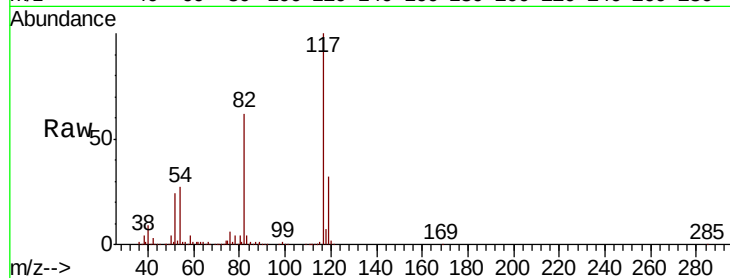




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW011411.D
Acq: 20 Jul 2019 08:23

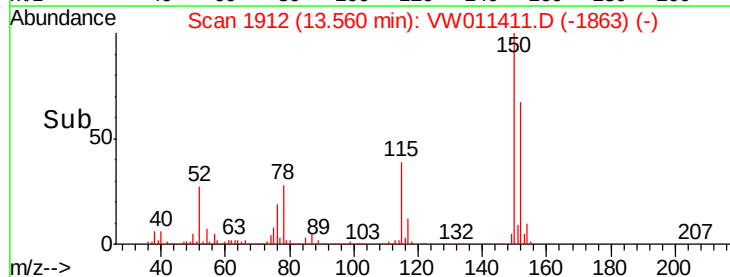
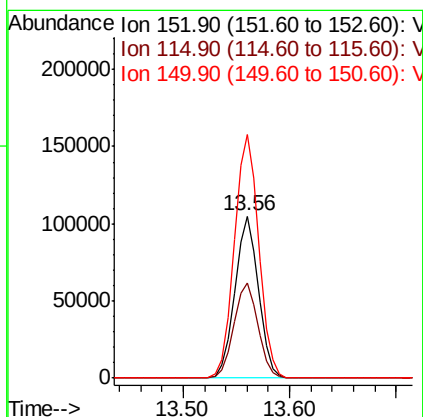
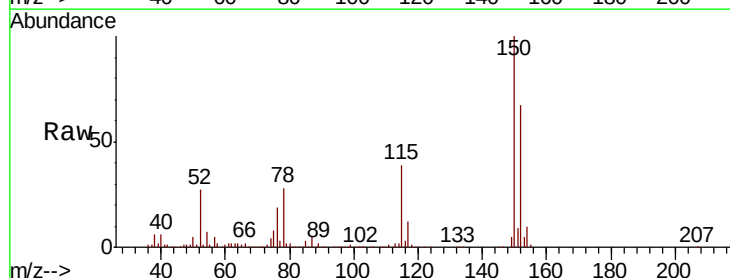
Instrument :
MSVOA_W
ClientSampleId :
RT-1488

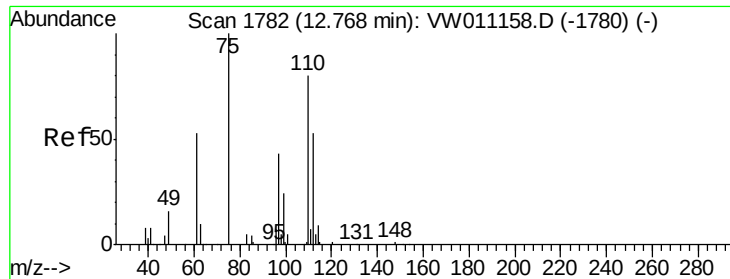
Tot Ion:117 Resp: 418295
Ion Ratio Lower Upper
117 100
82 62.0 48.9 73.3
119 31.9 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011411.D
Acq: 20 Jul 2019 08:23

Tgt Ion:152 Resp: 163100
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.3
150 155.4 0.0 346.0

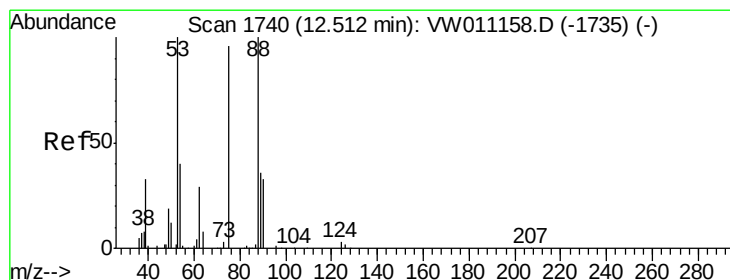
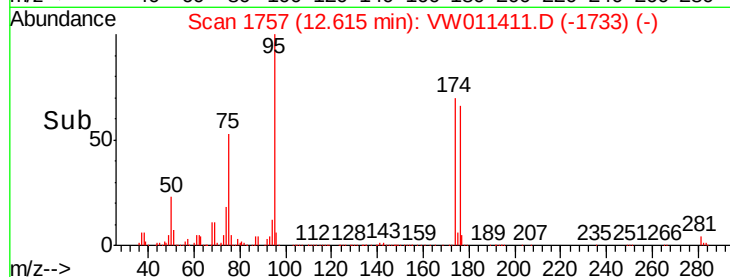
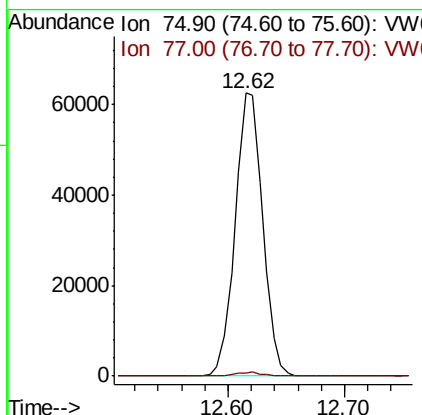
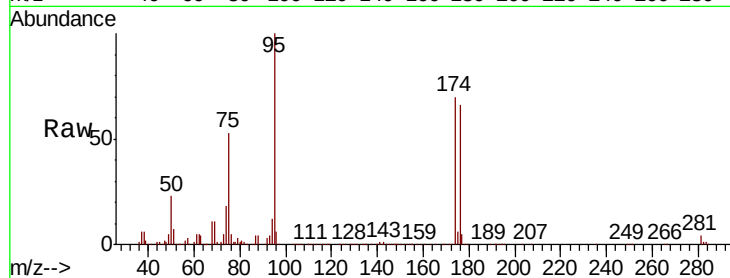




#76
 1,2,3-Trichloropropane
 Concen: 54.670 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011411.D
 Acq: 20 Jul 2019 08:23

Instrument :
 MSVOA_W
 ClientSampled :
 RT-1488

Tot Ion: 75 Resp: 103044
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.654 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011411.D
 Acq: 20 Jul 2019 08:23

Tgt Ion: 75 Resp: 103044
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.8 134.6#
 89 0.0 34.3 51.5#

