

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011351.D
 Acq On : 19 Jul 2019 00:17
 Operator : SY/VA
 Sample : K3903-04
 Misc : 5.51G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:49:01 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	184459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114688	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	132785	57.29	ug/l	0.00
Spiked Amount			Recovery	=	114.58%	
35) Dibromofluoromethane	7.88	113	99530	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
50) Toluene-d8	10.32	98	398019	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.62	95	130407	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	

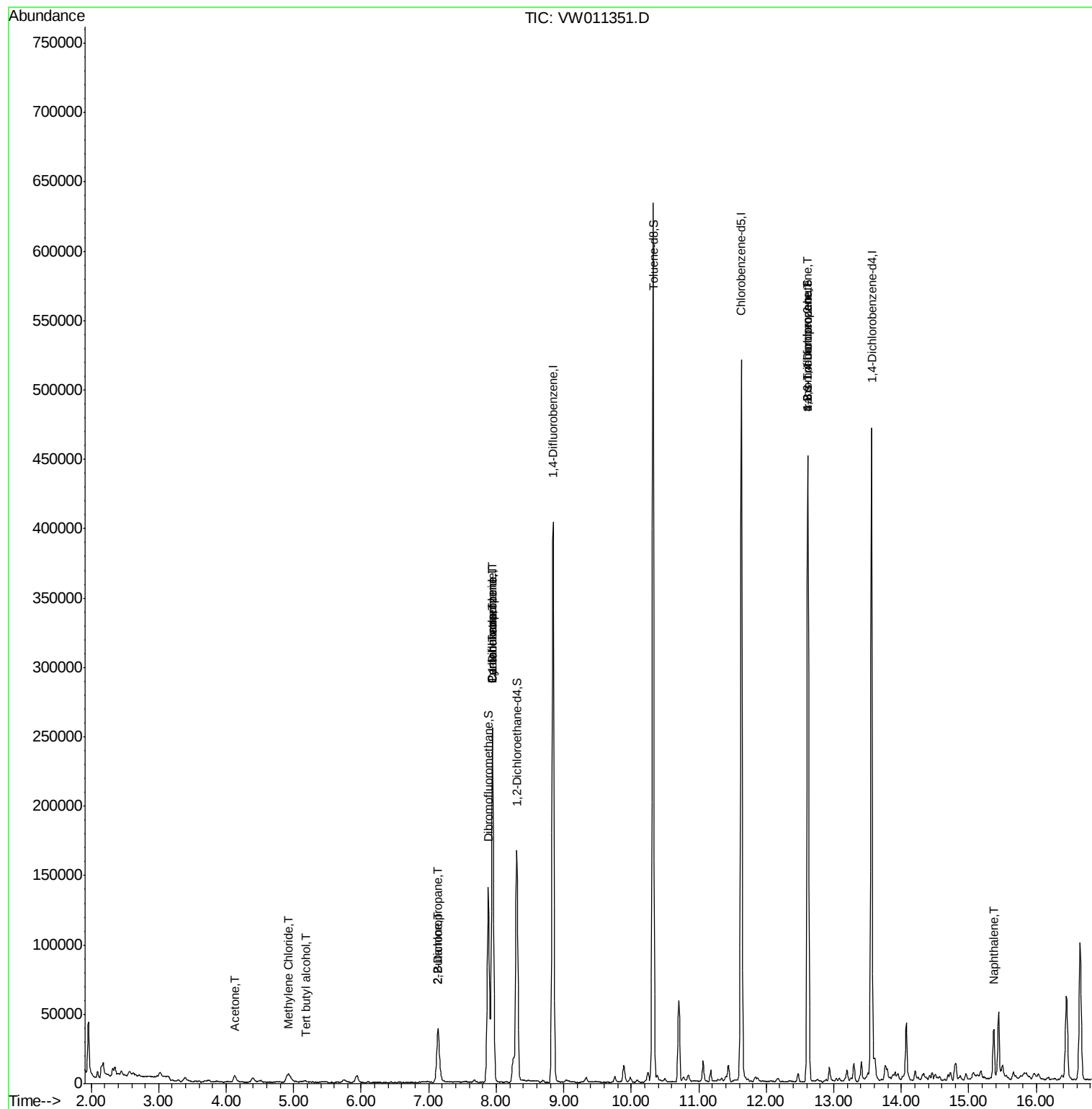
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	1912	11.142	ug/l #	70
16) Acetone	4.12	43	9186	16.472	ug/l	94
18) Methyl Acetate	4.67	43	339	Below Cal	#	57
20) Methylene Chloride	4.92	84	4992	2.269	ug/l #	93
25) 2-Butanone	7.14	43	2271	2.594	ug/l #	81
26) 2,2-Dichloropropane	7.14	77	2698	1.230	ug/l #	53
31) Cyclohexane	7.94	56	5481	1.221	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16398	4.835	ug/l #	52
38) Carbon Tetrachloride	7.95	117	18759	6.524	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	70893	53.489	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70893	120.983	ug/l #	6
95) Naphthalene	15.37	128	29966	6.760	ug/l	97

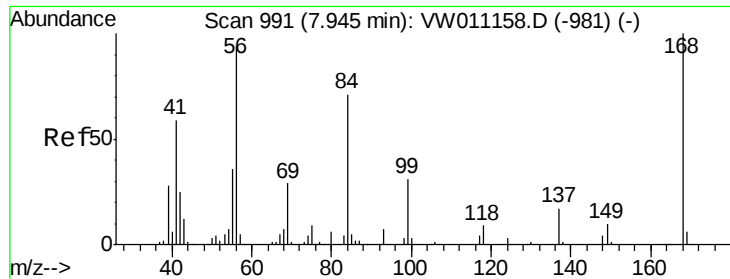
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071819\
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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: VW011351.D

Acq: 19 Jul 2019 00:17

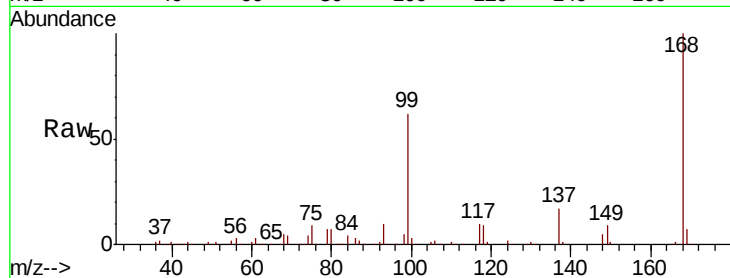
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 184459

Ion Ratio Lower Upper

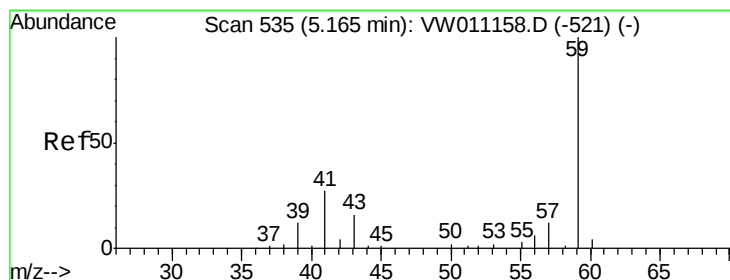
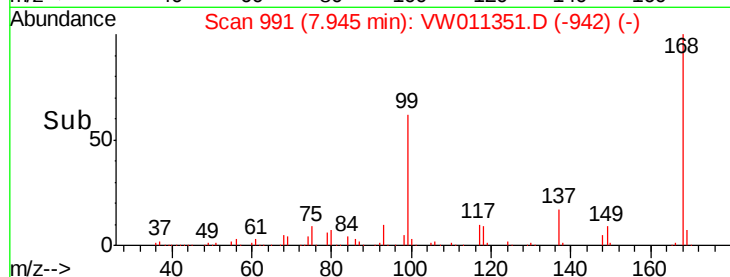
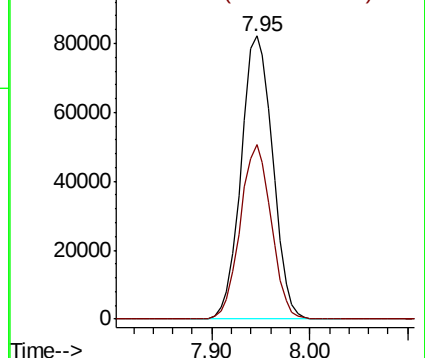
168 100

99 61.9 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: 11.142 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW011351.D

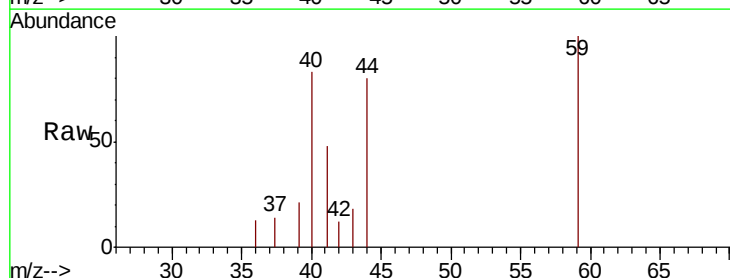
Acq: 19 Jul 2019 00:17

Tgt Ion: 59 Resp: 1912

Ion Ratio Lower Upper

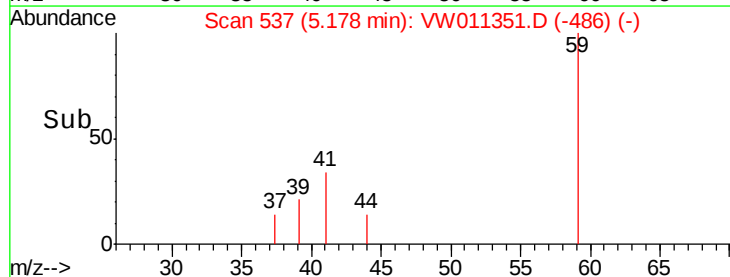
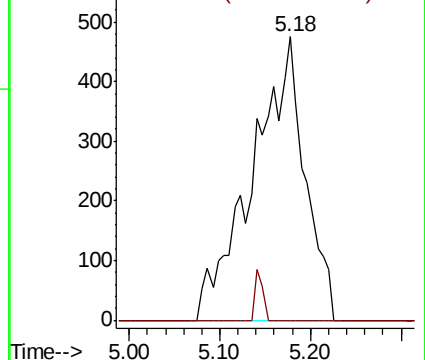
59 100

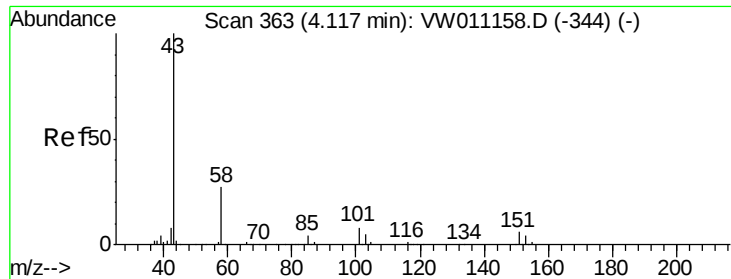
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 16.472 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011351.D

Acq: 19 Jul 2019 00:17

Instrument :

MSVOA_W

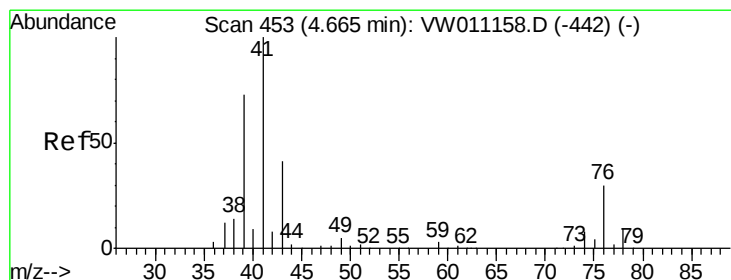
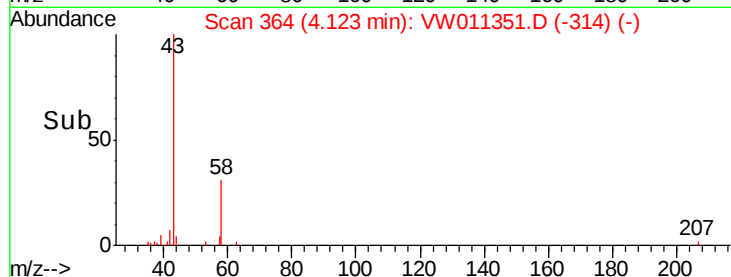
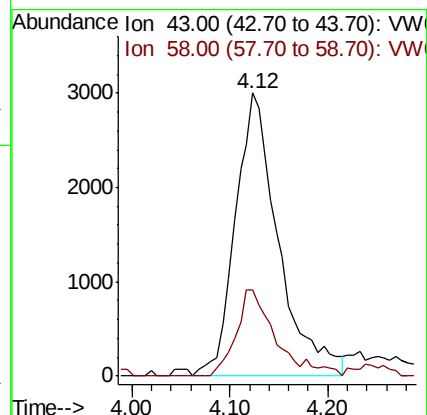
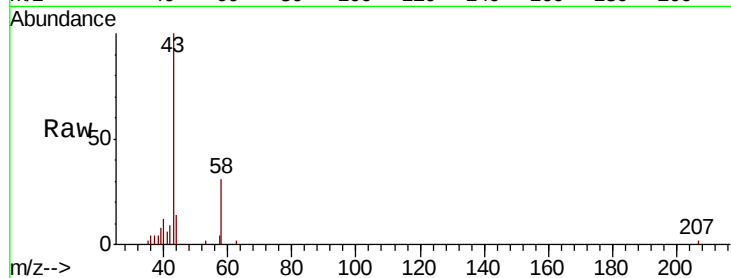
ClientSampled :

Tot Ion: 43 Resp: 9186

Ion Ratio Lower Upper

43 100

58 30.5 21.8 32.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011351.D

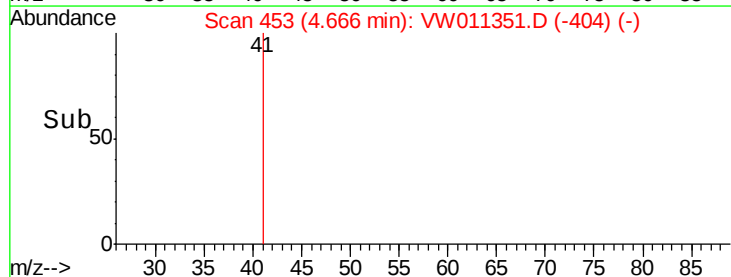
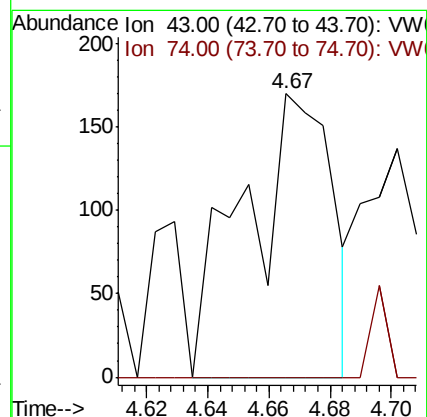
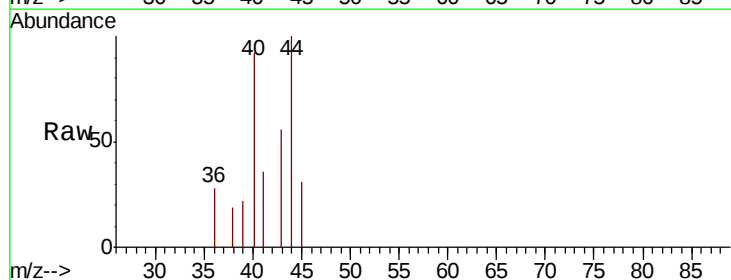
Acq: 19 Jul 2019 00:17

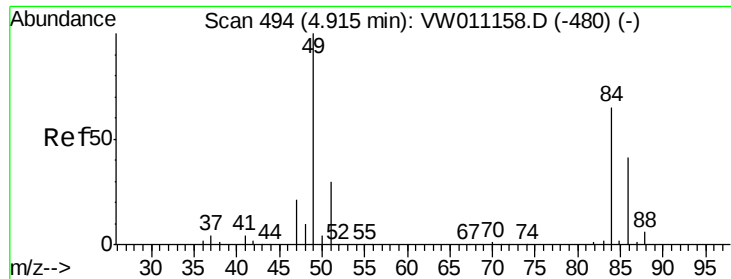
Tgt Ion: 43 Resp: 339

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

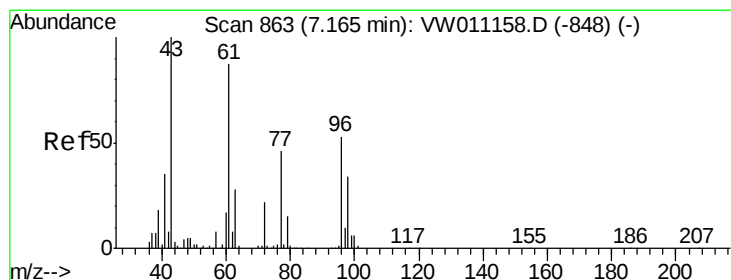
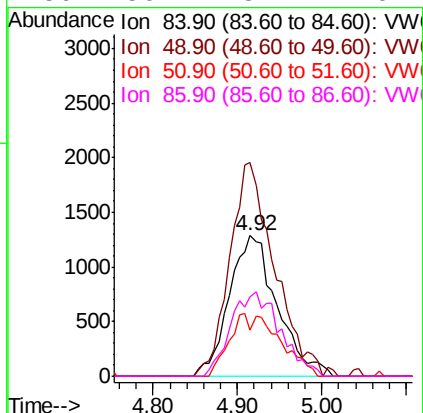
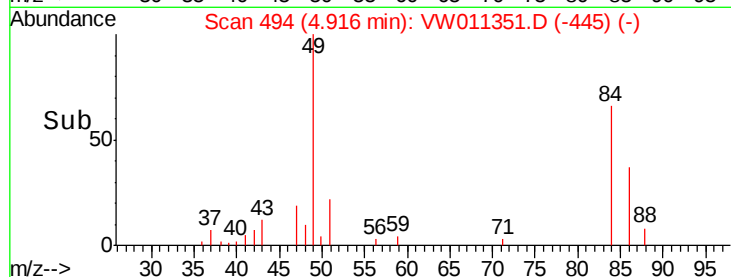
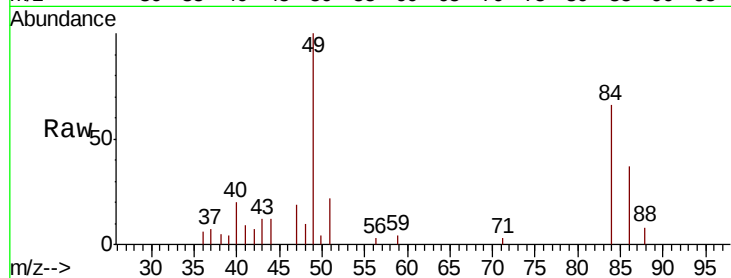




#20
Methvlene Chloride
Concen: 2.269 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011351.D
Acq: 19 Jul 2019 00:17

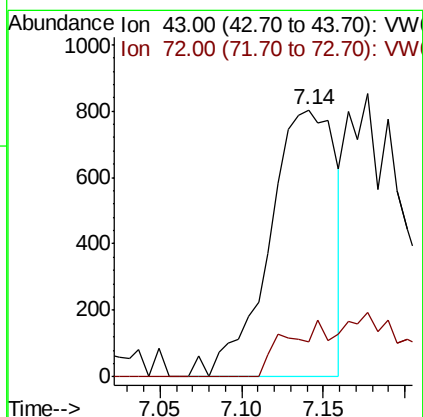
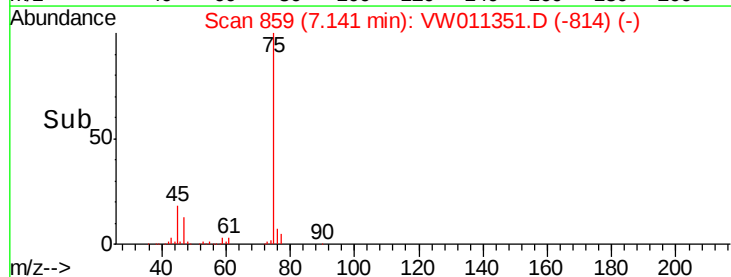
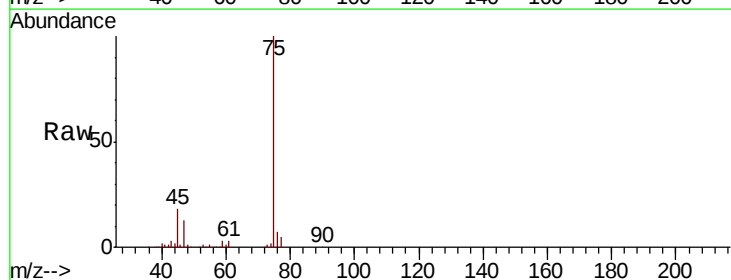
Instrument :
MSVOA_W
ClientSampled :

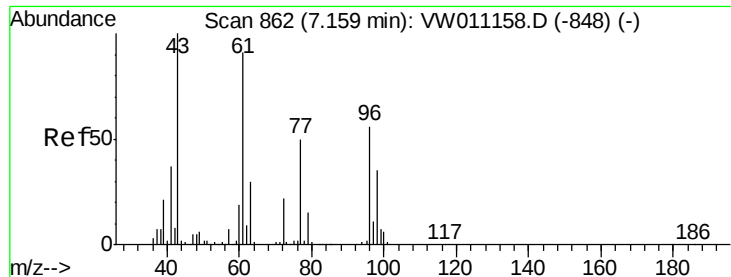
Tot Ion: 84 Resp: 4992
Ion Ratio Lower Upper
84 100
49 152.3 123.8 185.6
51 33.0 37.4 56.2#
86 56.7 51.1 76.7



#25
2-Butanone
Concen: 2.594 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011351.D
Acq: 19 Jul 2019 00:17

Tgt Ion: 43 Resp: 2271
Ion Ratio Lower Upper
43 100
72 12.9 17.6 26.4#





#26

2,2-Dichloropropane

Concen: 1.230 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011351.D

Acq: 19 Jul 2019 00:17

Instrument :

MSVOA_W

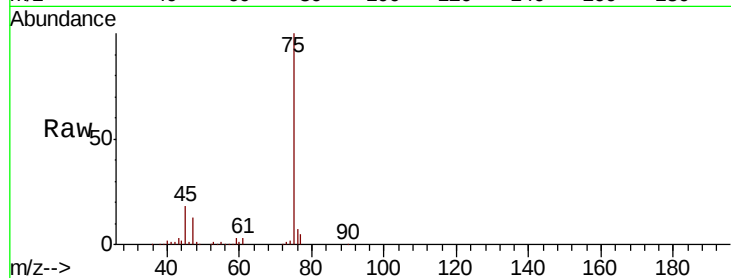
ClientSampleId :

Tot Ion: 77 Resp: 2698

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.14

1200

1000

800

600

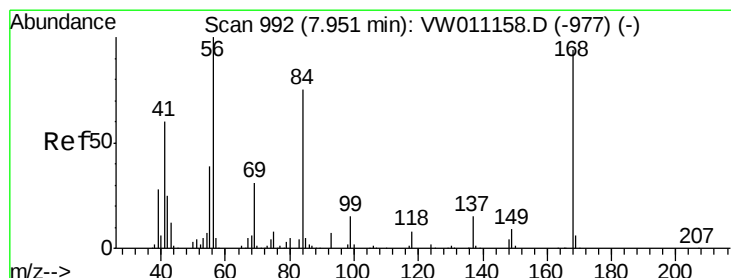
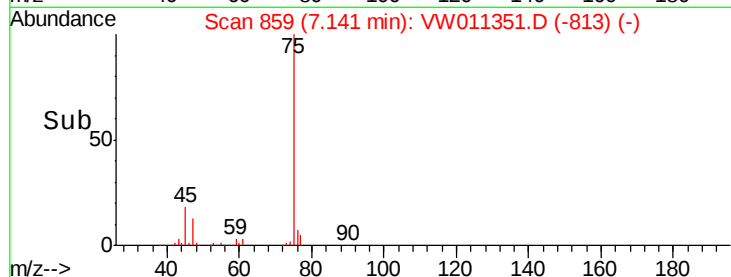
400

200

0

7.05 7.10 7.15 7.20 7.25

Time-->



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011351.D

Acq: 19 Jul 2019 00:17

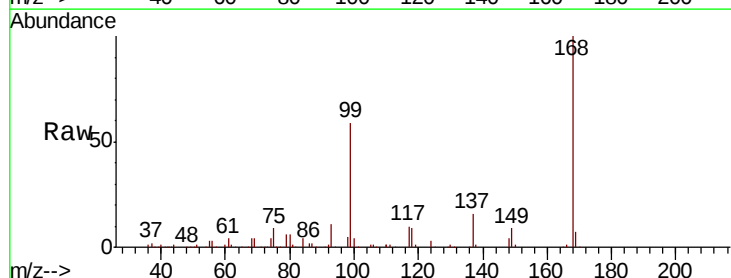
Tgt Ion: 56 Resp: 5481

Ion Ratio Lower Upper

56 100

69 142.3 24.6 36.8#

84 122.7 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

4000

3000

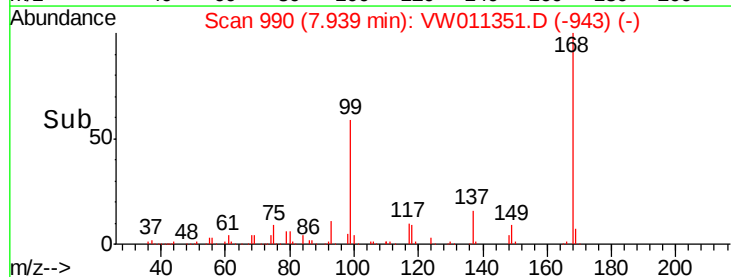
2000

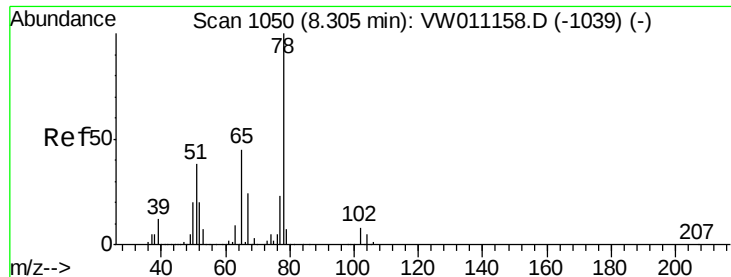
1000

0

7.85 7.90 7.95 8.00 8.05

Time-->

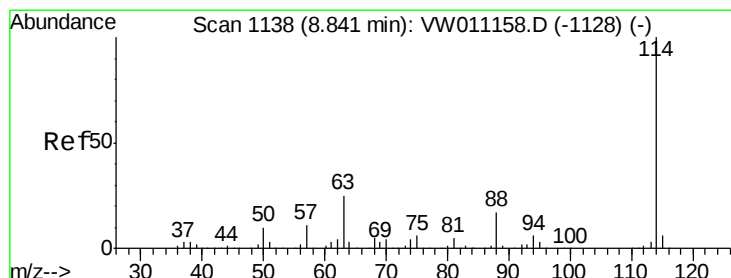
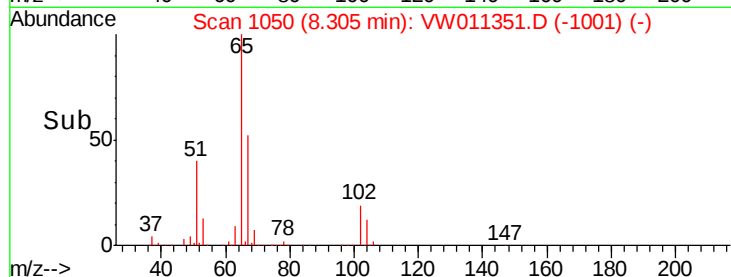
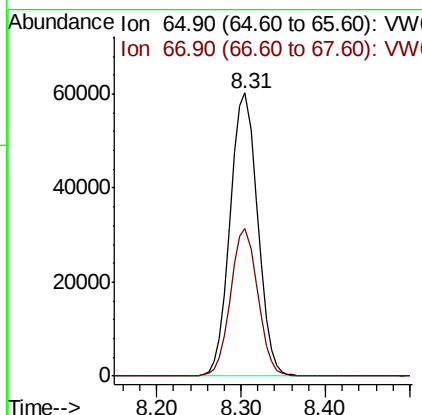
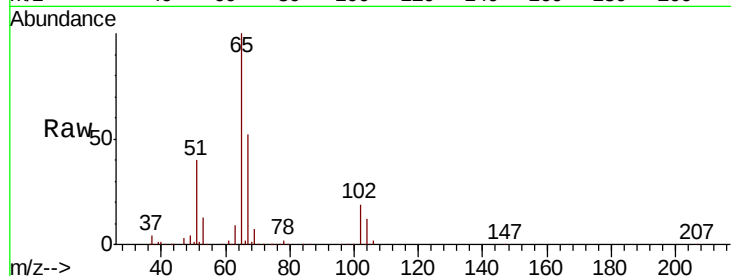




#33
 1,2-Dichloroethane-d4
 Concen: 57.289 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011351.D
 Acq: 19 Jul 2019 00:17

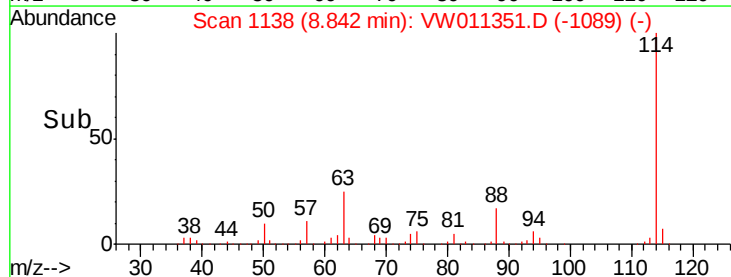
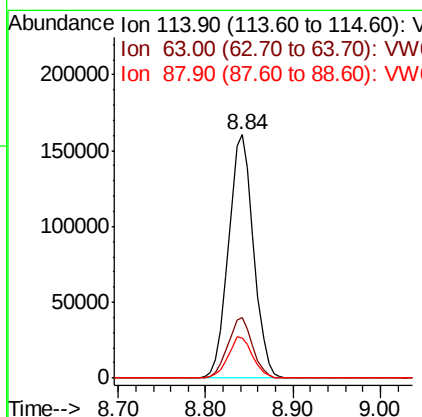
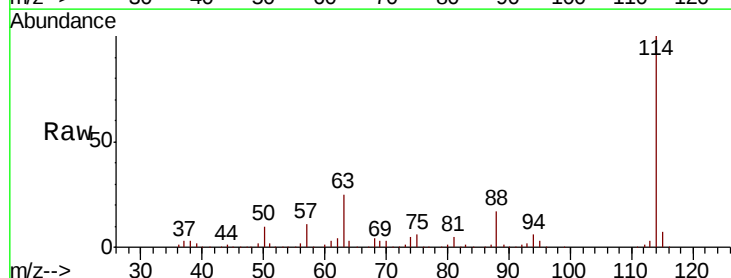
Instrument :
 MSVOA_W
 ClientSampleId :

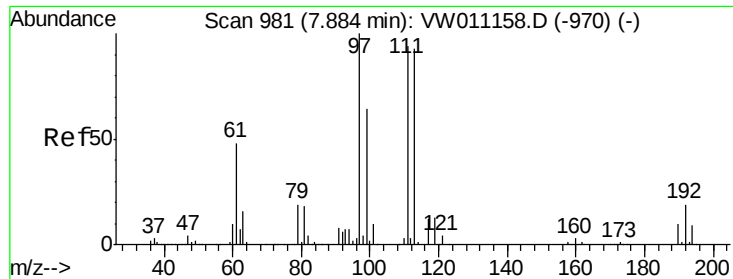
Tot Ion: 65 Resp: 132785
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011351.D
 Acq: 19 Jul 2019 00:17

Tgt Ion: 114 Resp: 318507
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.8
 88 16.6 0.0 34.2

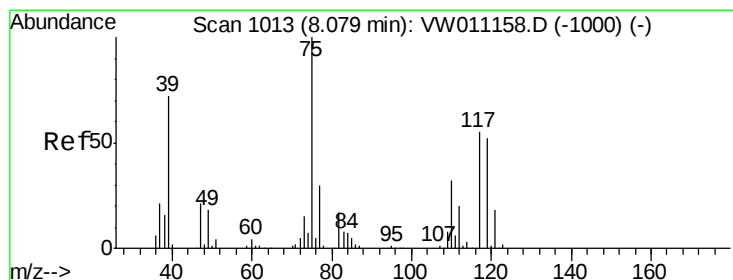
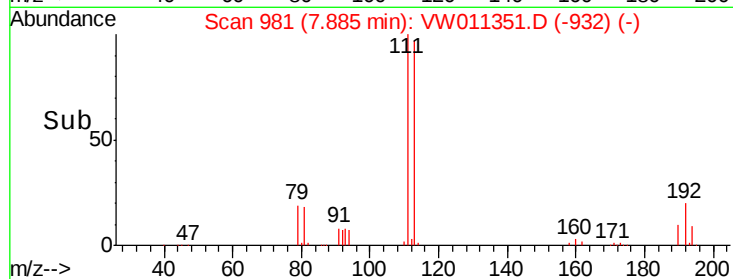
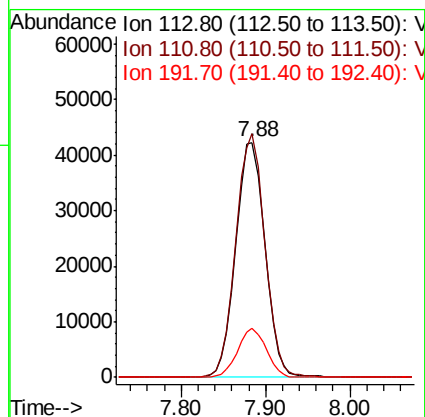
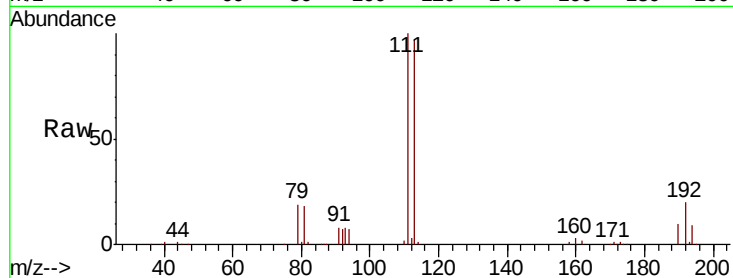




#35
 Dibromofluoromethane
 Concen: 52.427 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011351.D
 Acq: 19 Jul 2019 00:17

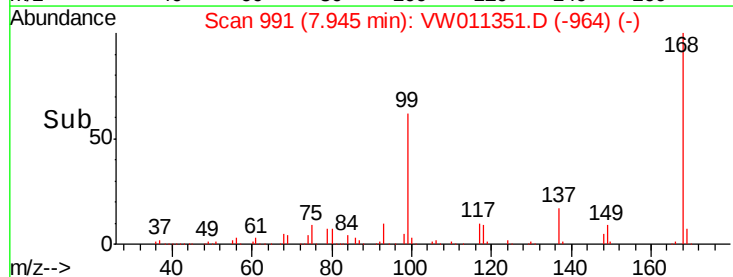
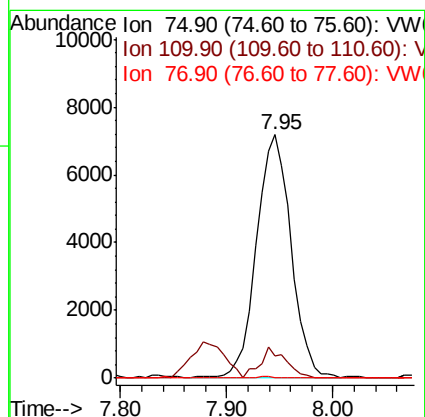
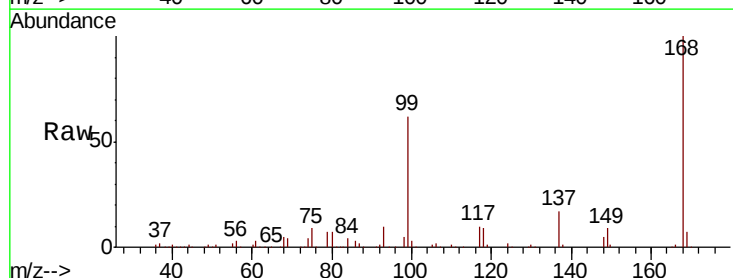
Instrument :
 MSVOA_W
 ClientSampled :

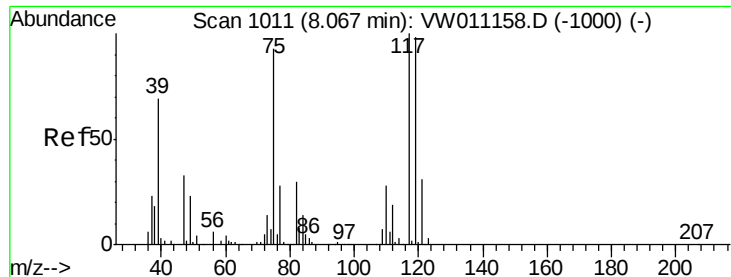
Tot Ion:113 Resp: 99530
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 20.3 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.835 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011351.D
 Acq: 19 Jul 2019 00:17

Tgt Ion: 75 Resp: 16398
 Ion Ratio Lower Upper
 75 100
 110 9.5 15.9 47.6#
 77 0.3 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.524 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011351.D

Acq: 19 Jul 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

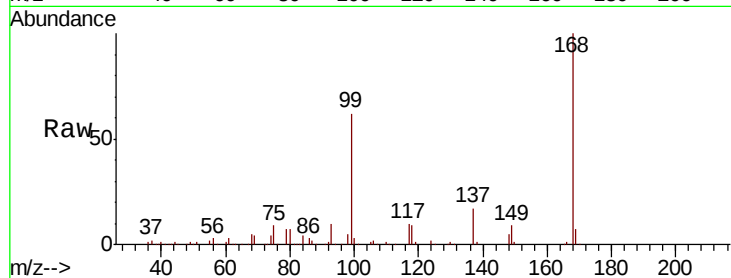
Tot Ion:117 Resp: 18759

Ion Ratio Lower Upper

117 100

119 5.6 78.1 117.1#

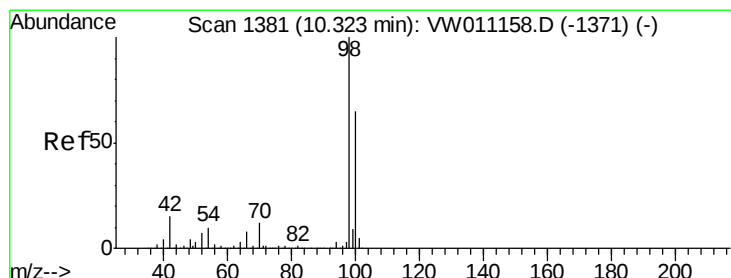
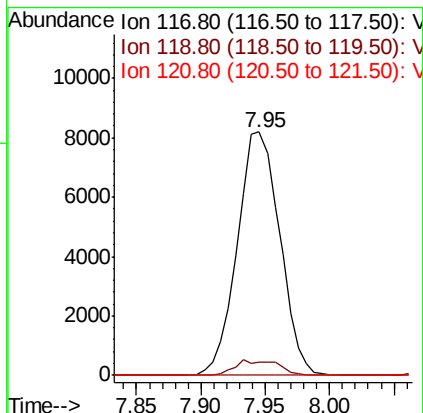
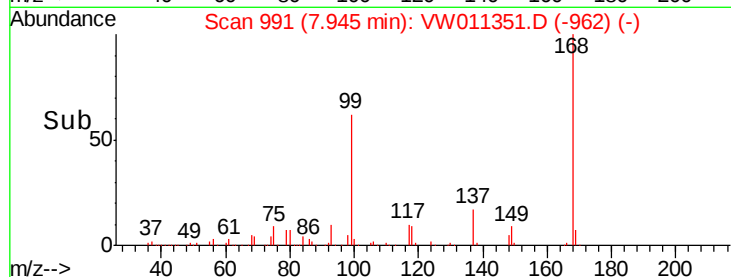
121 0.0 25.1 37.7#



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: 51.867 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011351.D

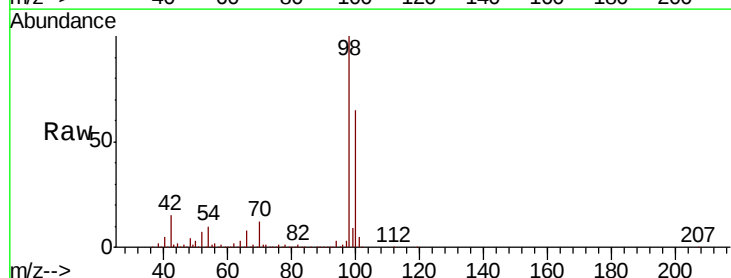
Acq: 19 Jul 2019 00:17

Tgt Ion: 98 Resp: 398019

Ion Ratio Lower Upper

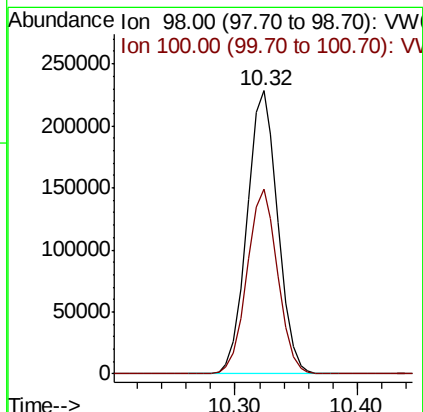
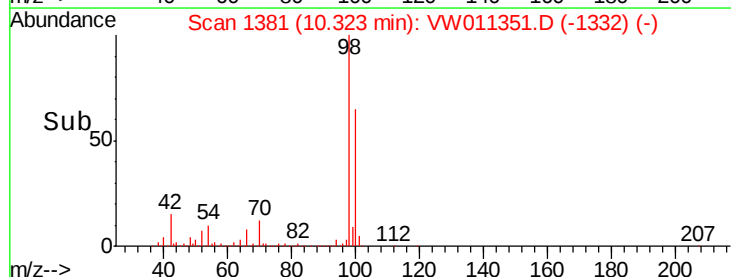
98 100

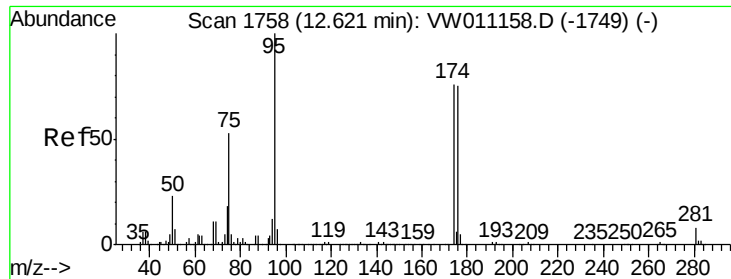
100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

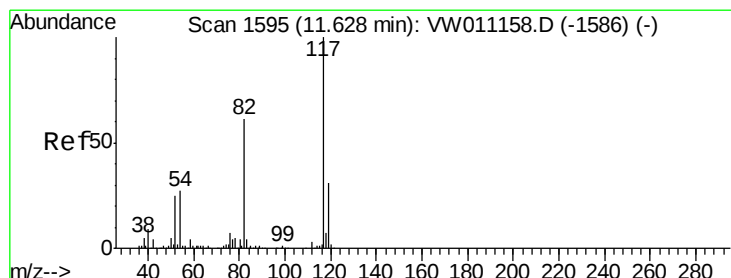
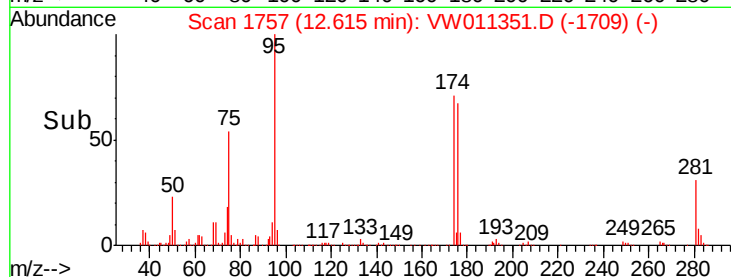
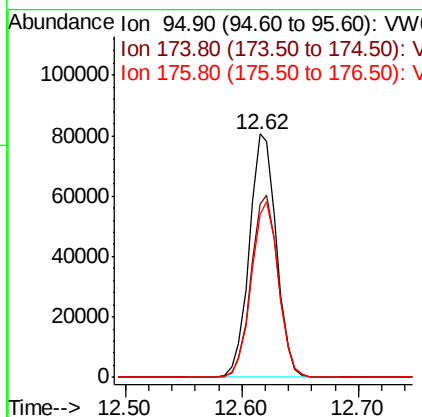
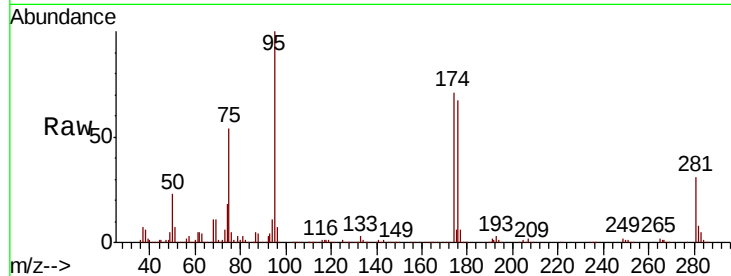




#62
4-Bromofluorobenzene
Concen: 46.363 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011351.D
Acq: 19 Jul 2019 00:17

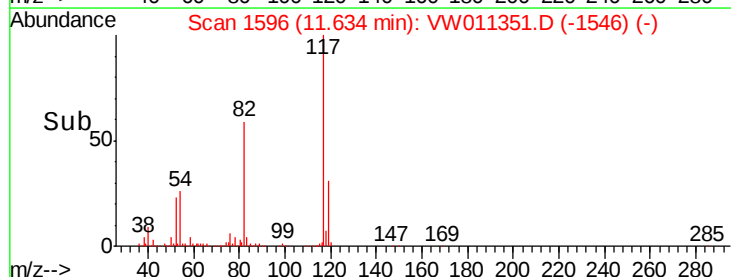
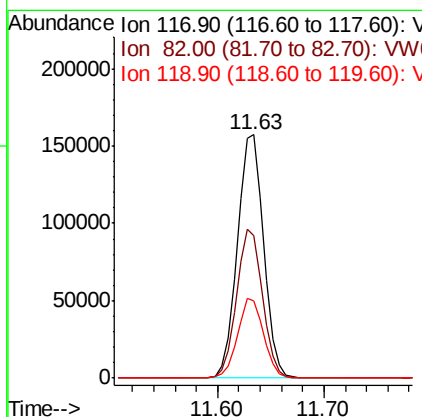
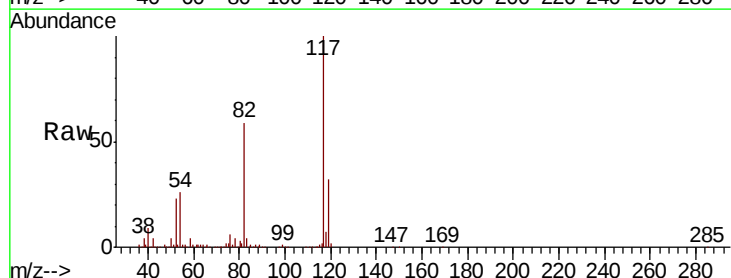
Instrument :
MSVOA_W
ClientSampled :

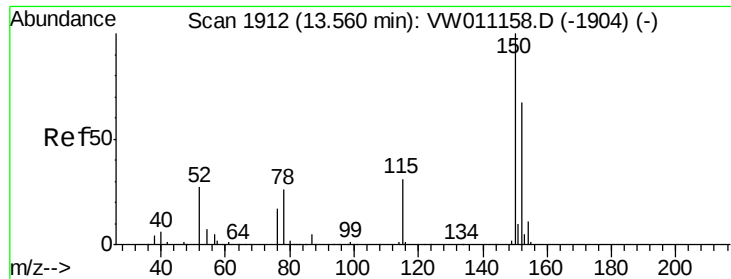
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	147.6
176	72.6	0.0	144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011351.D
Acq: 19 Jul 2019 00:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.8	48.9	73.3
119	31.5	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: VW011351.D

Acq: 19 Jul 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

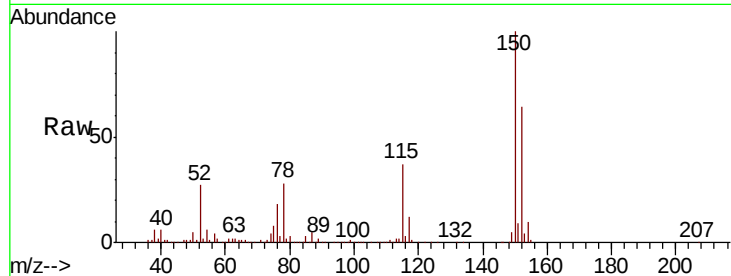
Tot Ion:152 Resp: 114688

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.3

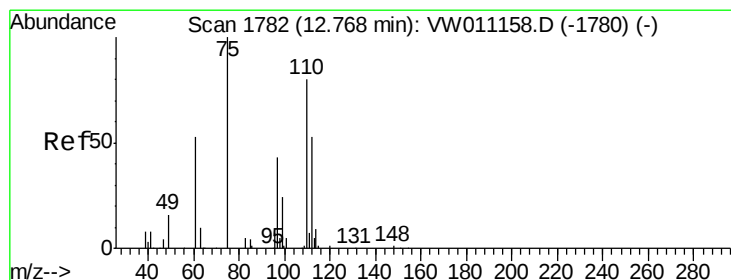
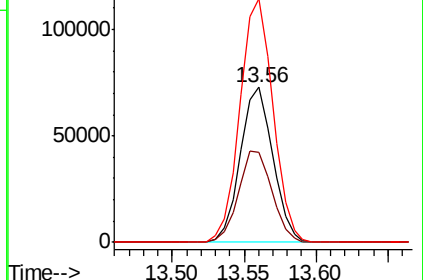
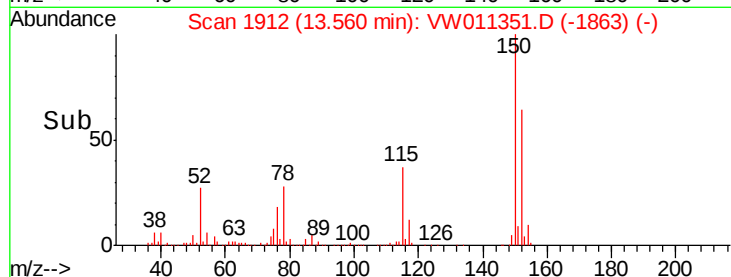
150 158.6 0.0 346.0



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: 53.489 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011351.D

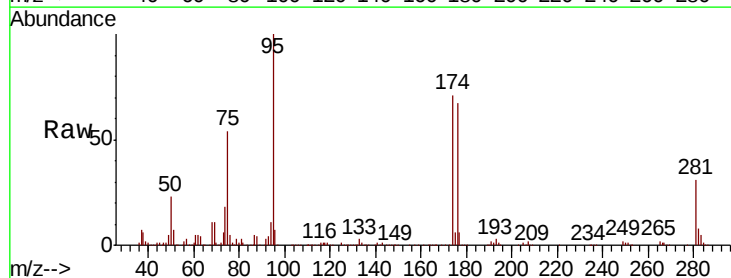
Acq: 19 Jul 2019 00:17

Tgt Ion: 75 Resp: 70893

Ion Ratio Lower Upper

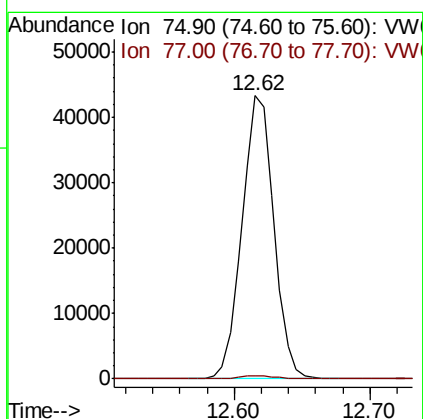
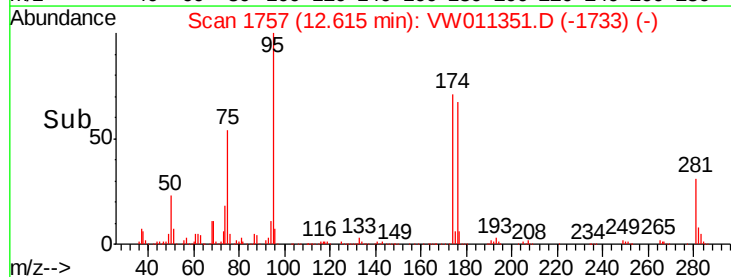
75 100

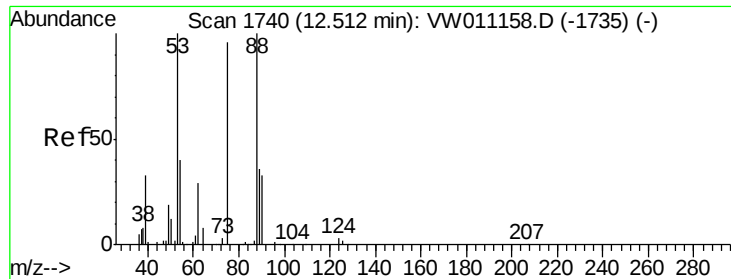
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

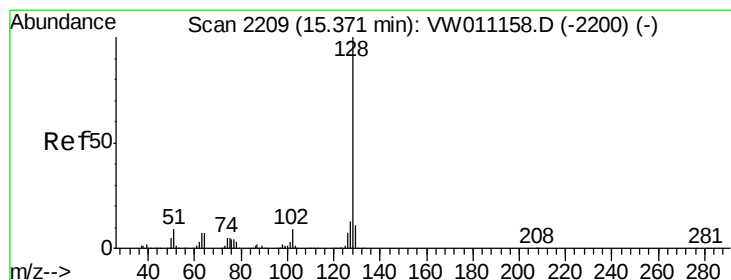
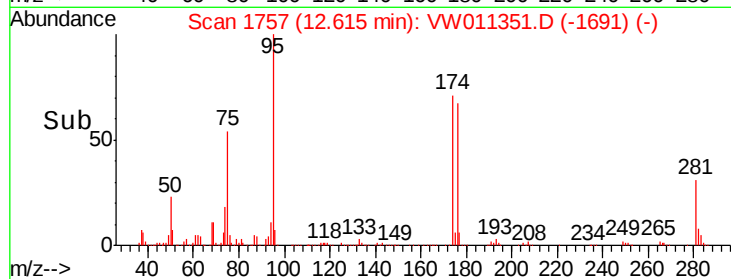
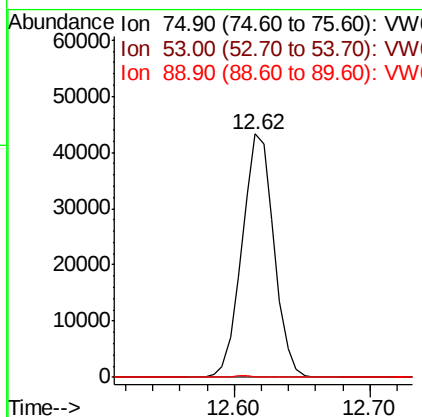
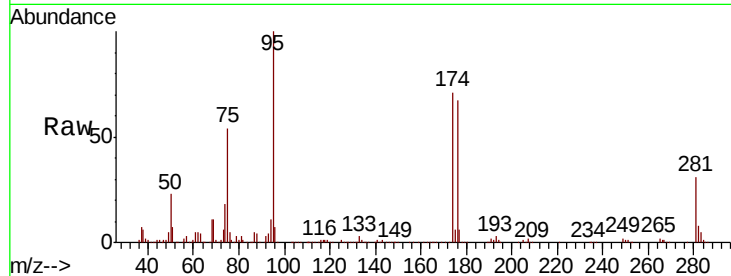




#81
trans-1,4-Dichloro-2-butene
Concen: 120.983 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011351.D
Acq: 19 Jul 2019 00:17

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 70893
Ion Ratio Lower Upper
75 100
53 0.1 89.8 134.6#
89 0.0 34.3 51.5#



#95
Naphthalene
Concen: 6.760 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011351.D
Acq: 19 Jul 2019 00:17

Tgt Ion:128 Resp: 29966
Ion Ratio Lower Upper
128 100
127 14.5 10.6 16.0
129 11.7 8.7 13.1

