

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011343.D
 Acq On : 18 Jul 2019 19:22
 Operator : SY/VA
 Sample : K3903-02
 Misc : 5.30G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:46:29 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	182909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	314354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116024	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	130027	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	
35) Dibromofluoromethane	7.88	113	98383	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
50) Toluene-d8	10.32	98	393528	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.62	95	130975	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	

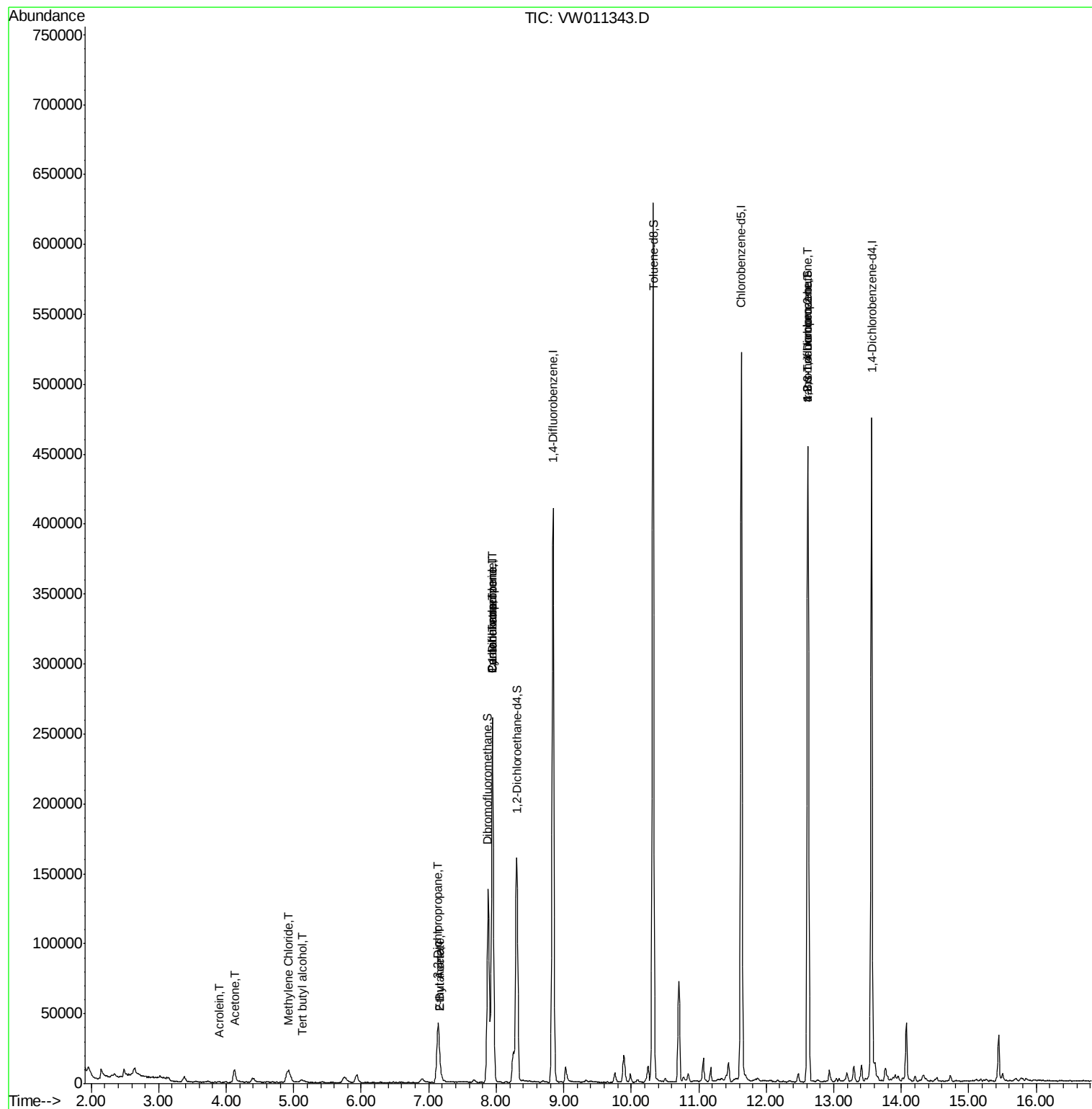
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	2761	16.226	ug/l #	73
13) Acrolein	3.89	56	251	1.852	ug/l	96
16) Acetone	4.12	43	16733	30.258	ug/l	99
18) Methyl Acetate	4.67	43	259	Below Cal		95
20) Methylene Chloride	4.92	84	6539	2.997	ug/l	95
25) 2-Butanone	7.17	43	7985	9.199	ug/l #	89
26) 2,2-Dichloropropane	7.14	77	2815	1.294	ug/l #	53
31) Cyclohexane	7.94	56	5035	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16537	4.940	ug/l #	51
37) Ethyl Acetate	7.17	43	7985	3.970	ug/l #	72
38) Carbon Tetrachloride	7.95	117	18906	6.662	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	70912	52.888	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70912	119.622	ug/l #	6

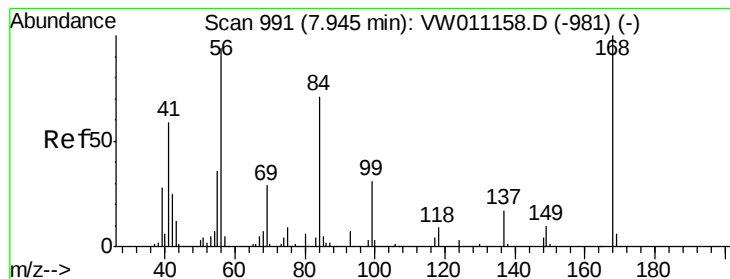
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 19 06:46:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
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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: VW011343.D

Acq: 18 Jul 2019 19:22

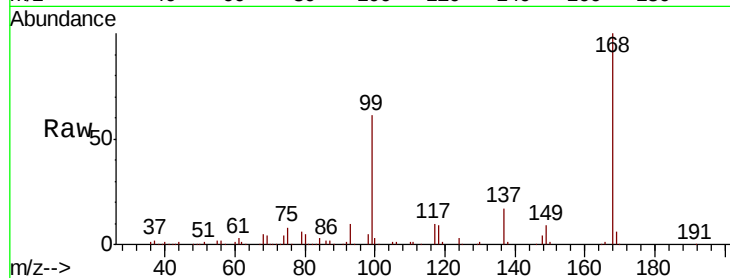
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 182909

Ion Ratio Lower Upper

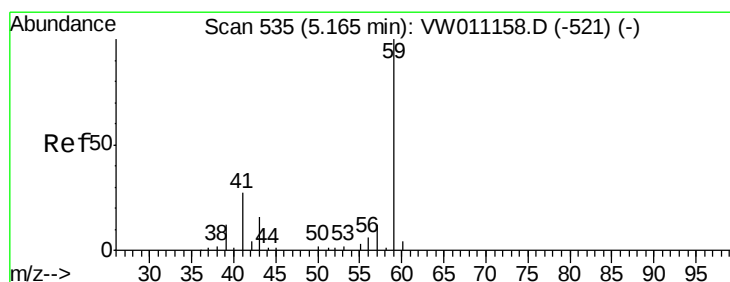
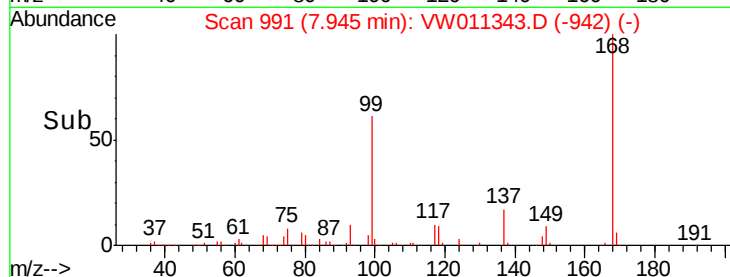
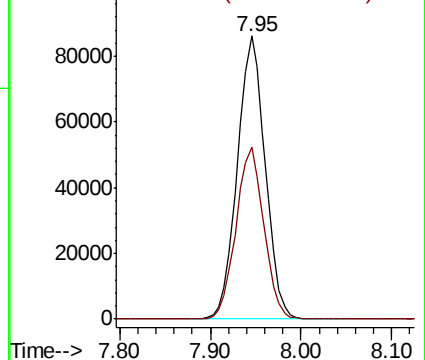
168 100

99 60.7 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: 16.226 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW011343.D

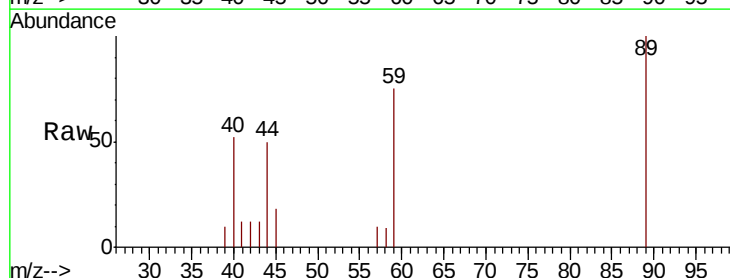
Acq: 18 Jul 2019 19:22

Tgt Ion: 59 Resp: 2761

Ion Ratio Lower Upper

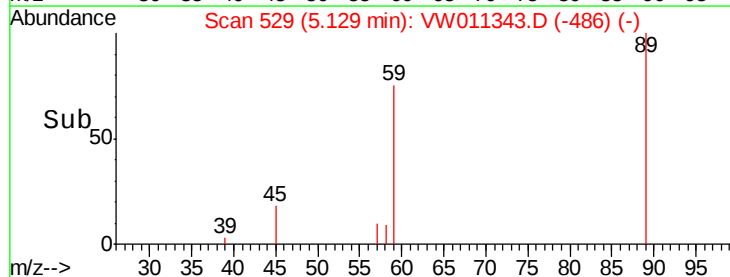
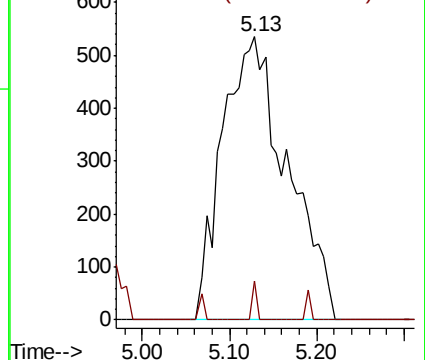
59 100

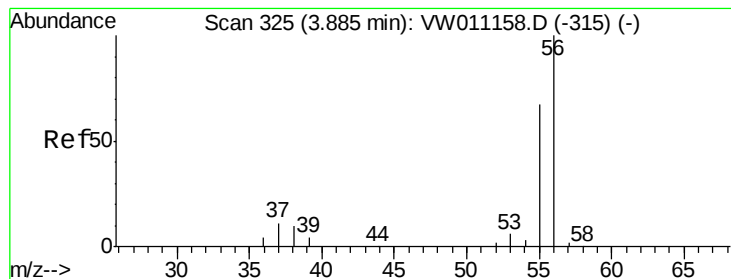
57 1.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.852 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011343.D

Acq: 18 Jul 2019 19:22

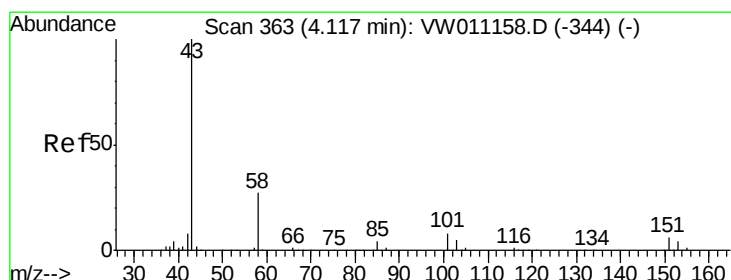
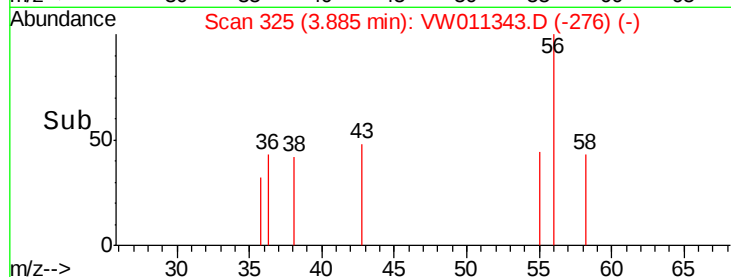
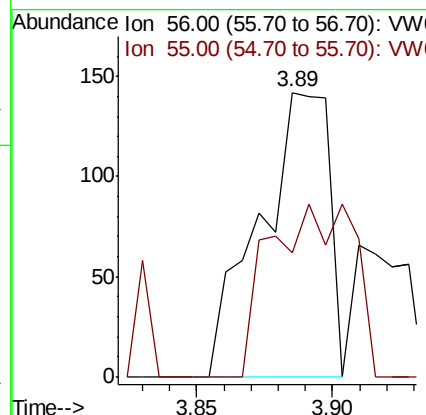
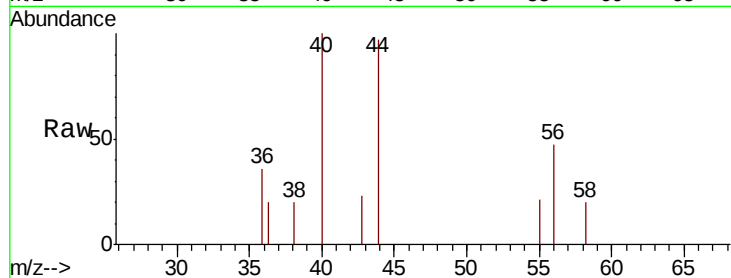
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 251

Ion Ratio Lower Upper

56 100

55 73.7 56.4 84.6



#16

Acetone

Concen: 30.258 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011343.D

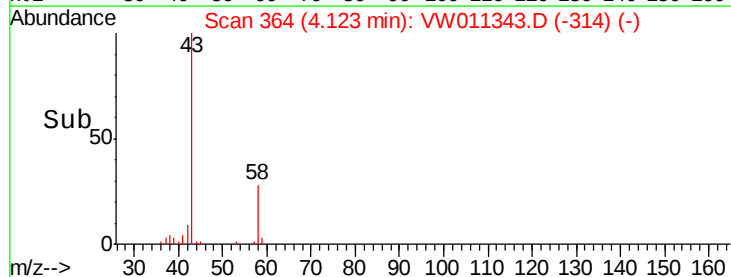
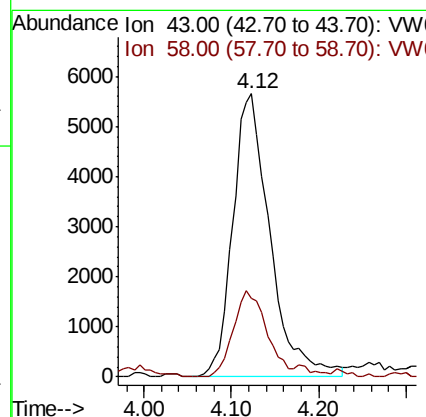
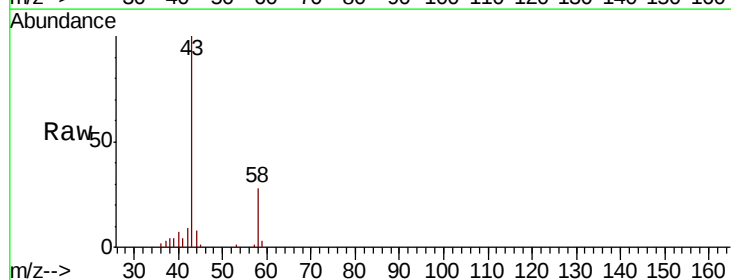
Acq: 18 Jul 2019 19:22

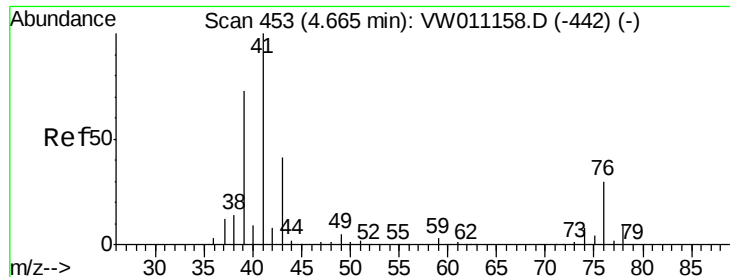
Tgt Ion: 43 Resp: 16733

Ion Ratio Lower Upper

43 100

58 27.8 21.8 32.6

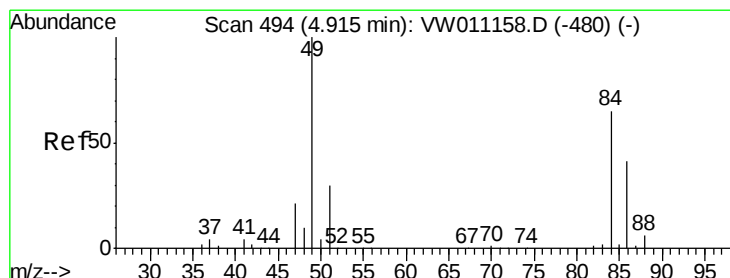
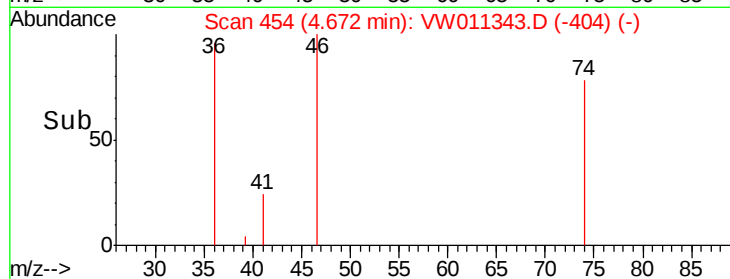
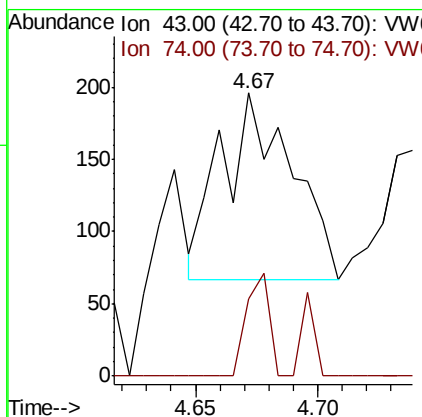
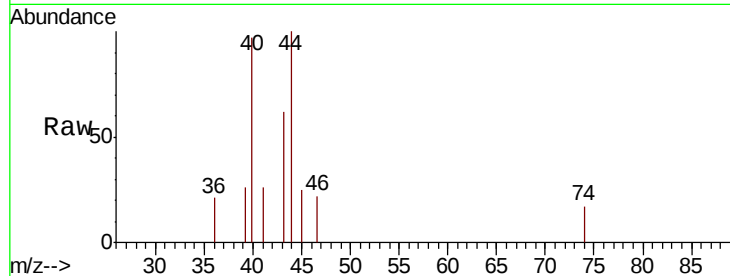




#18
Methyl Acetate
Concen: Below Cal
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011343.D
Acq: 18 Jul 2019 19:22

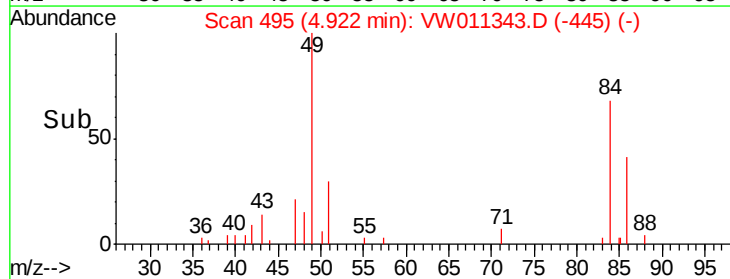
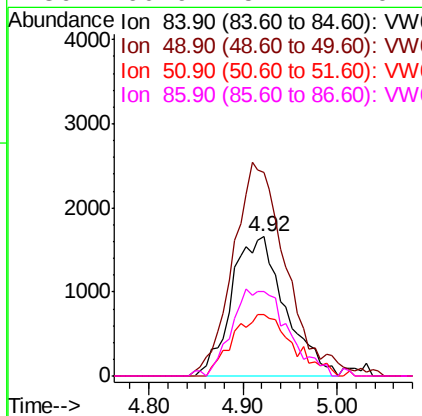
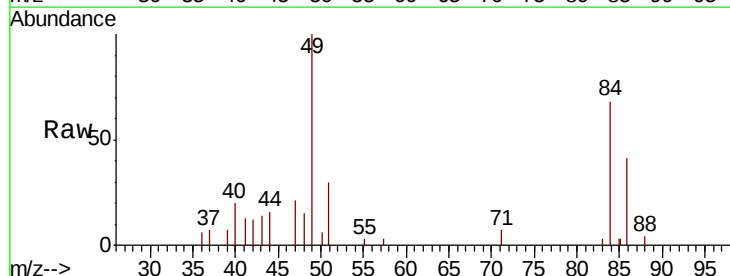
Instrument :
MSVOA_W
ClientSampled :

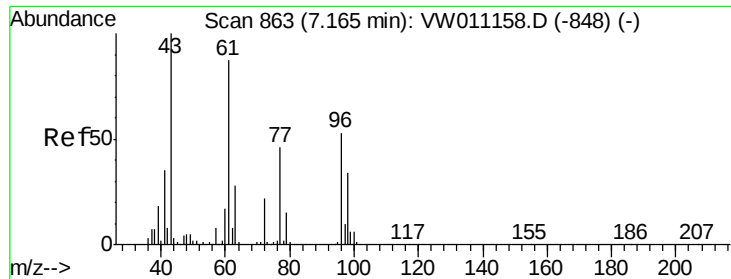
Tot Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
74 17.4 15.7 23.5



#20
Methylene Chloride
Concen: 2.997 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW011343.D
Acq: 18 Jul 2019 19:22

Tgt Ion: 84 Resp: 6539
Ion Ratio Lower Upper
84 100
49 146.8 123.8 185.6
51 44.6 37.4 56.2
86 60.9 51.1 76.7





#25

2-Butanone

Concen: 9.199 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011343.D

Acq: 18 Jul 2019 19:22

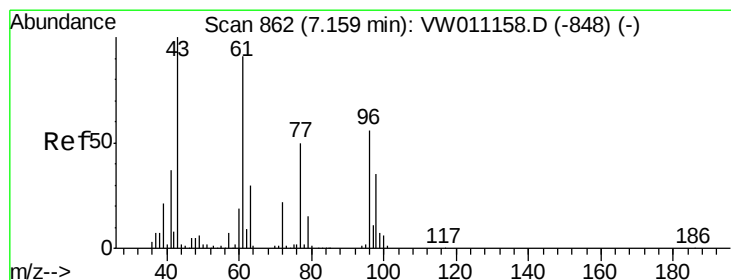
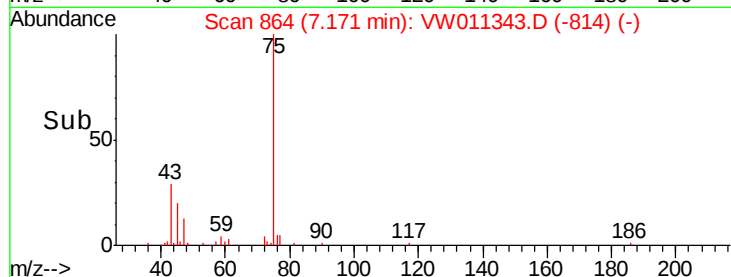
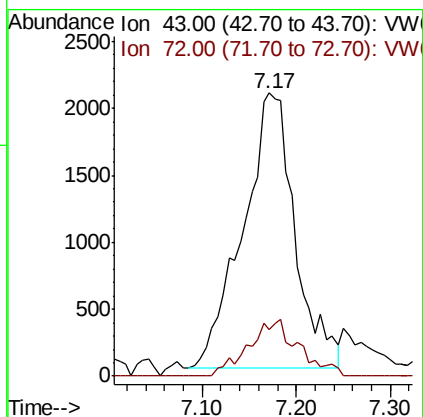
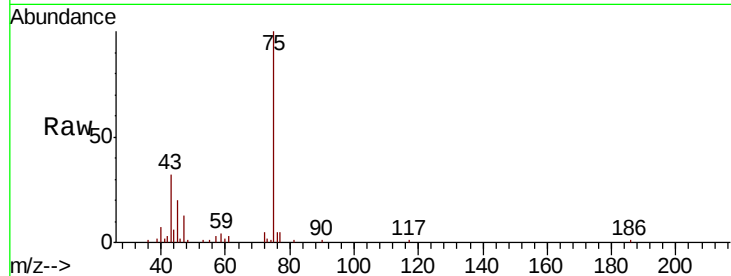
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 7985

Ion Ratio Lower Upper

43 100

72 16.9 17.6 26.4#



#26

2,2-Dichloropropane

Concen: 1.294 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011343.D

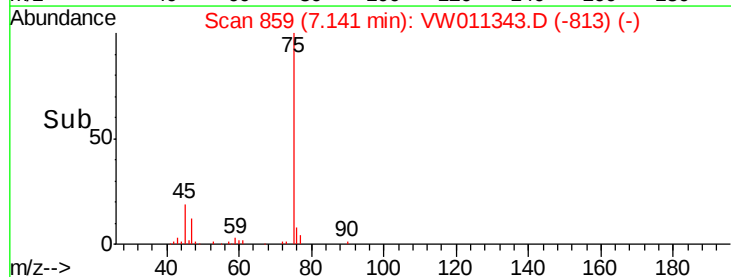
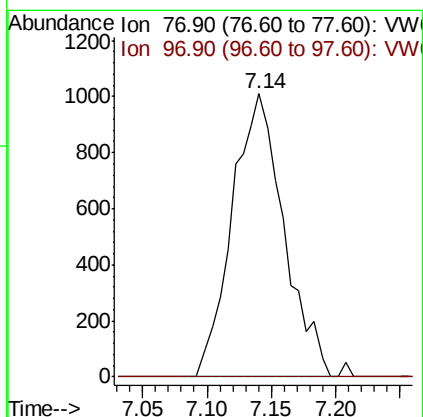
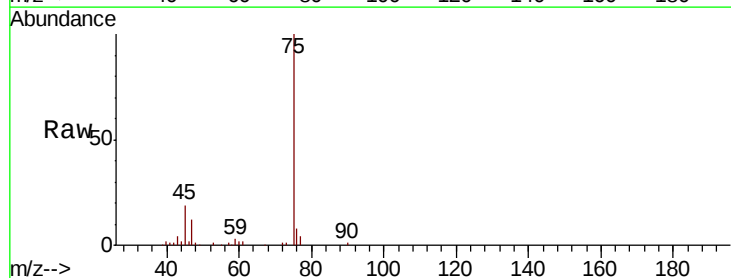
Acq: 18 Jul 2019 19:22

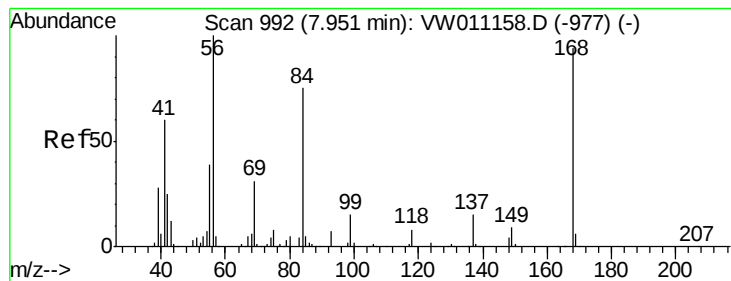
Tgt Ion: 77 Resp: 2815

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#





#31

Cvclohexane

Concen: 1.131 ug/l

RT: 7.94 min Scan# 990

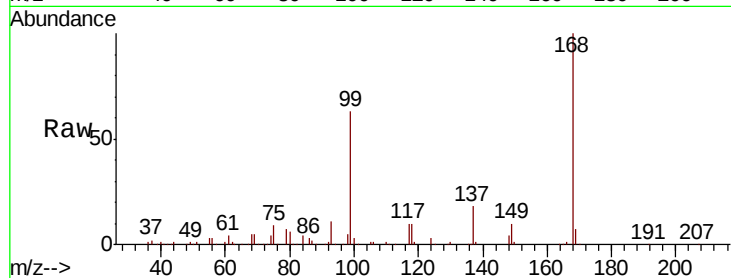
Delta R.T. -0.01 min

Lab File: VW011343.D

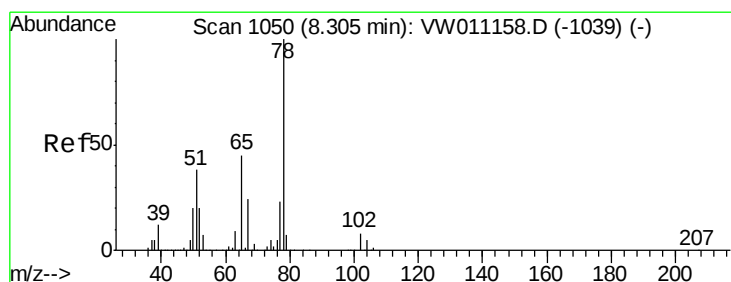
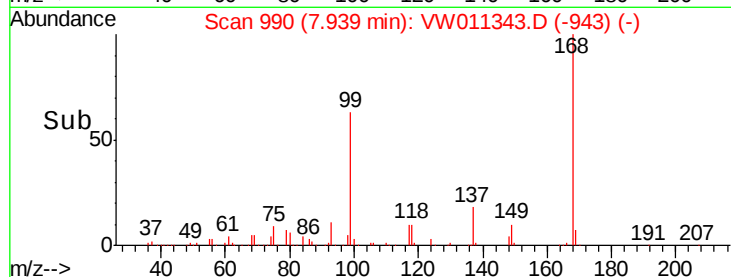
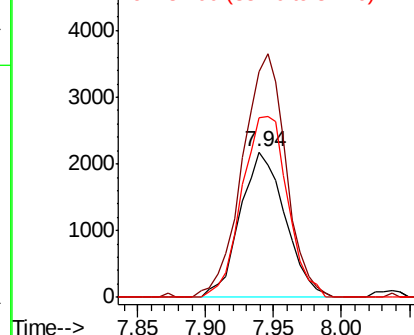
Acq: 18 Jul 2019 19:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	56	Resp:	5035
Ion	Ratio	Lower	Upper
56	100		
69	155.9	24.6	36.8#
84	123.5	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: 56.575 ug/l

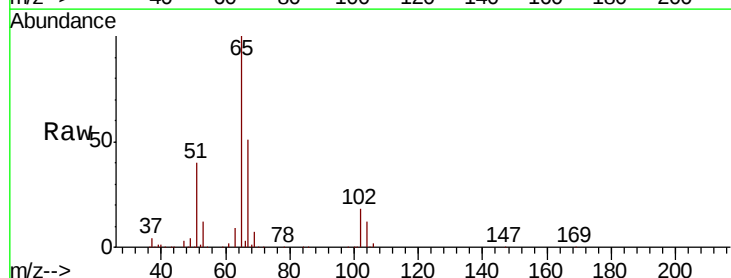
RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

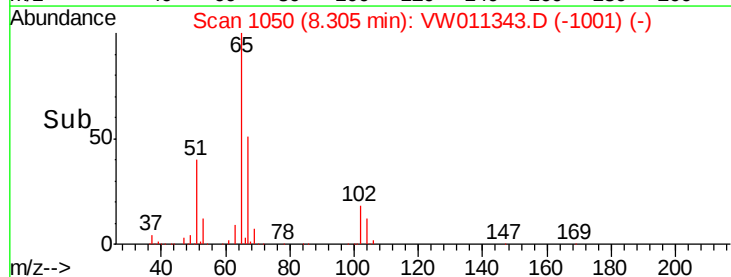
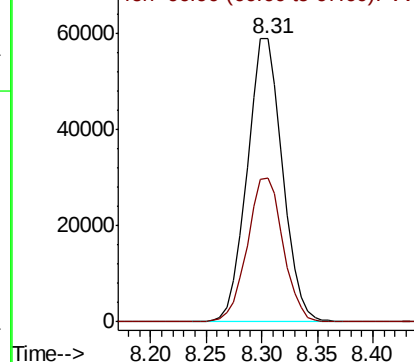
Lab File: VW011343.D

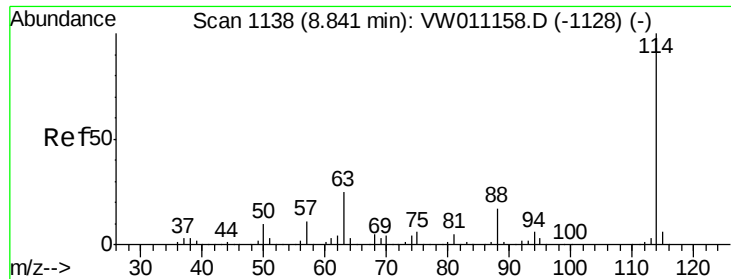
Acq: 18 Jul 2019 19:22

Tgt Ion:	65	Resp:	130027
Ion	Ratio	Lower	Upper
65	100		
67	51.8	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: VW011343.D

Acq: 18 Jul 2019 19:22

Instrument :

MSVOA_W

ClientSampleId :

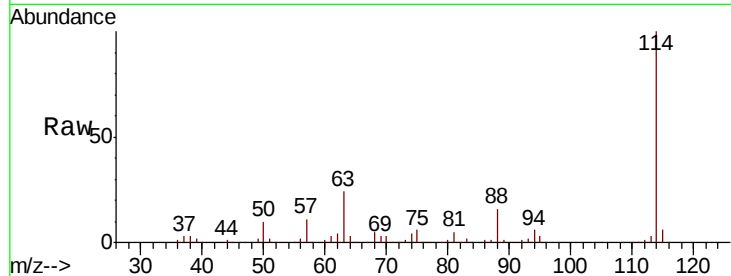
Tot Ion:114 Resp: 314354

Ion Ratio Lower Upper

114 100

63 24.4 0.0 50.8

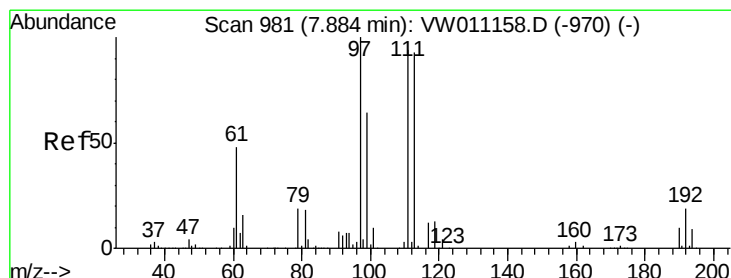
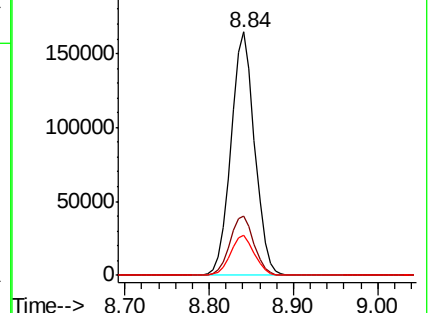
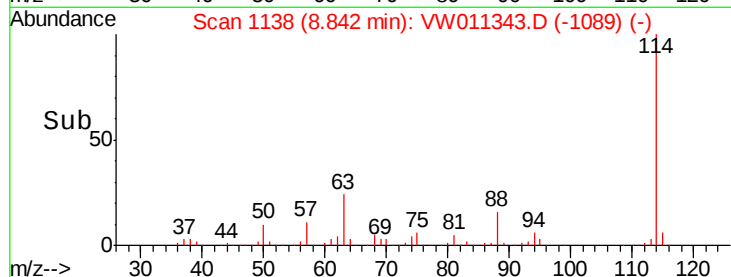
88 16.4 0.0 34.2



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: 52.508 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011343.D

Acq: 18 Jul 2019 19:22

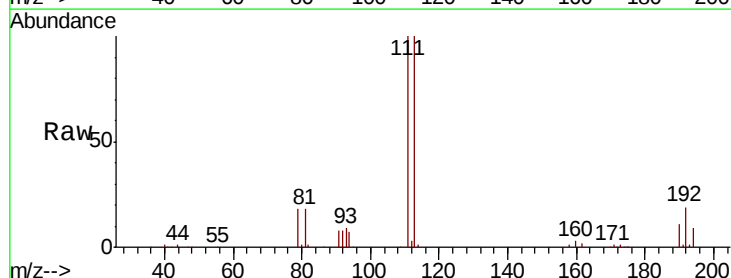
Tgt Ion:113 Resp: 98383

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

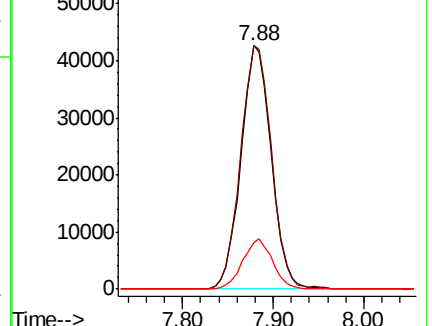
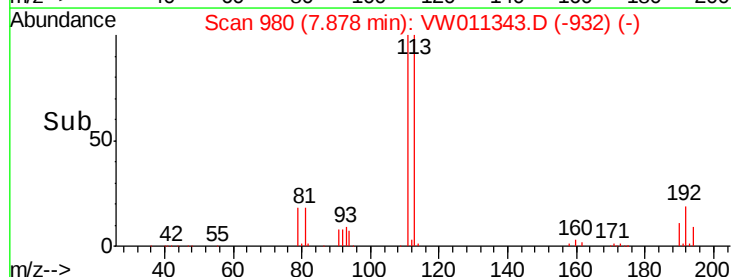
192 20.2 15.8 23.8

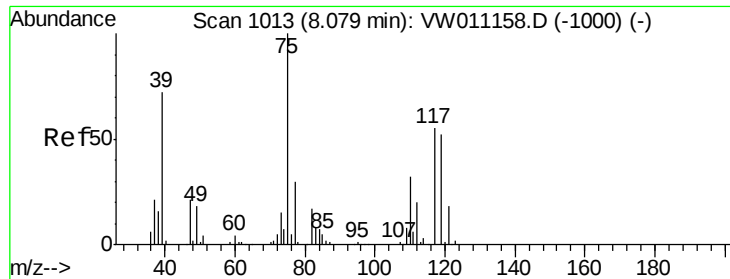


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

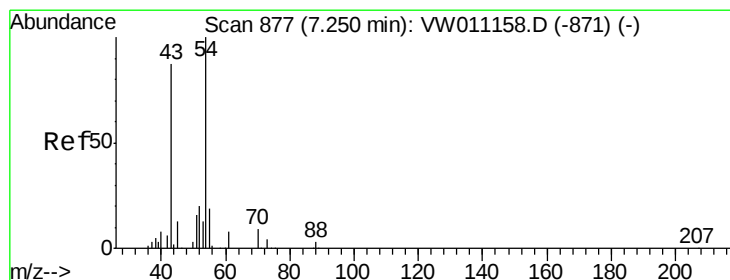
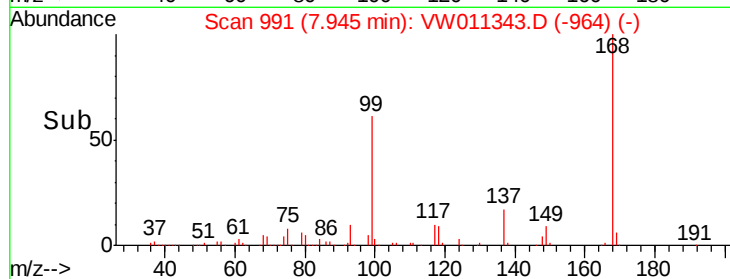
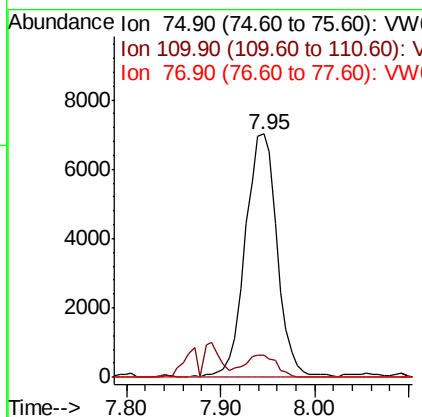
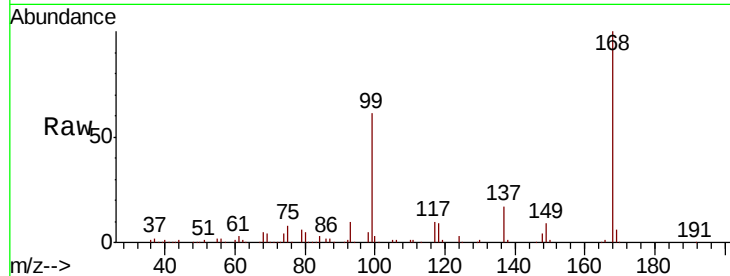




#36
 1,1-Dichloropropene
 Concen: 4.940 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011343.D
 Acq: 18 Jul 2019 19:22

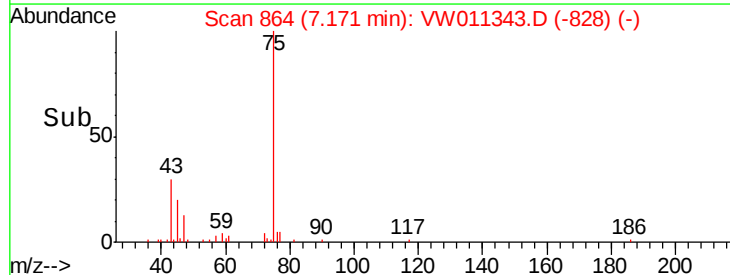
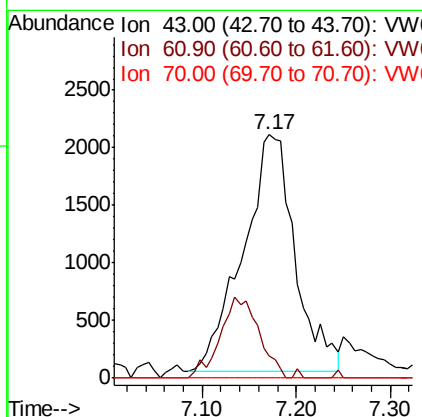
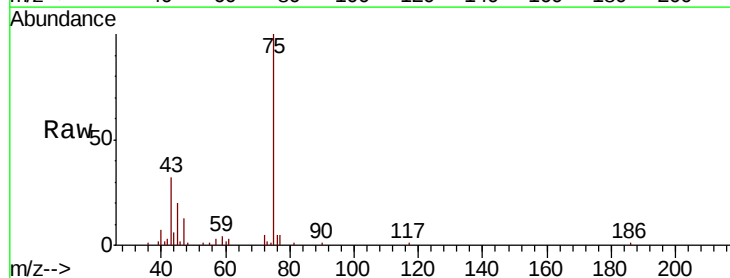
Instrument :
 MSVOA_W
 ClientSampled :

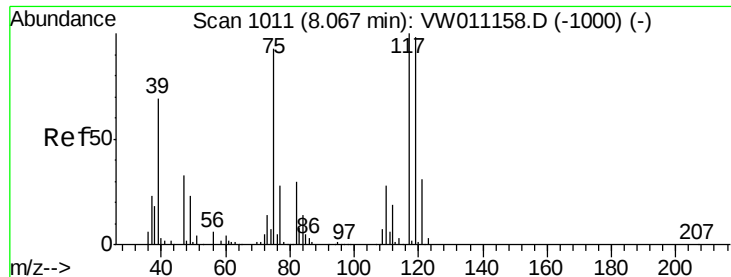
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.9	47.6#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 3.970 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW011343.D
 Acq: 18 Jul 2019 19:22

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.5	14.3#
70	0.0	7.1	10.7#

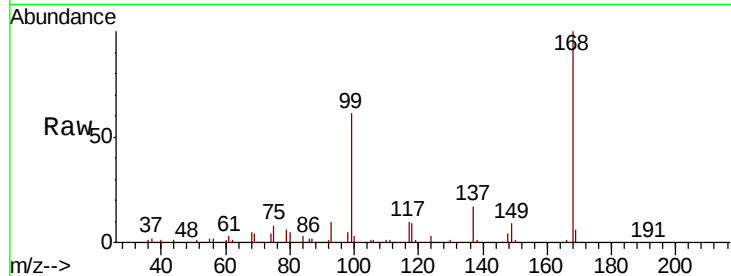




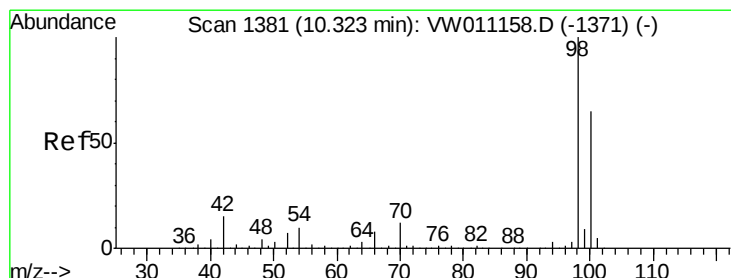
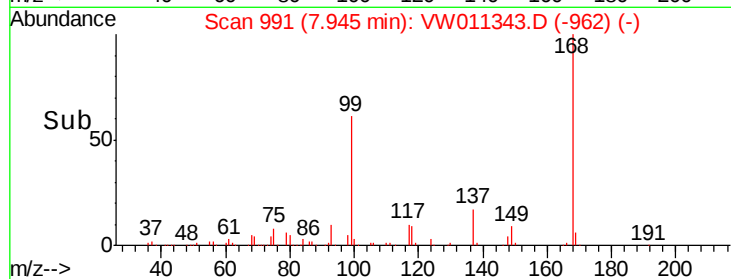
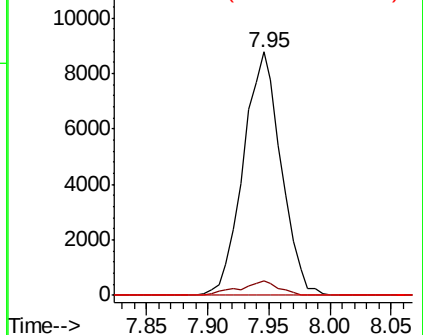
#38
Carbon Tetrachloride
Concen: 6.662 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011343.D
Acq: 18 Jul 2019 19:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 18906
Ion Ratio Lower Upper
117 100
119 5.7 78.1 117.1#
121 0.0 25.1 37.7#

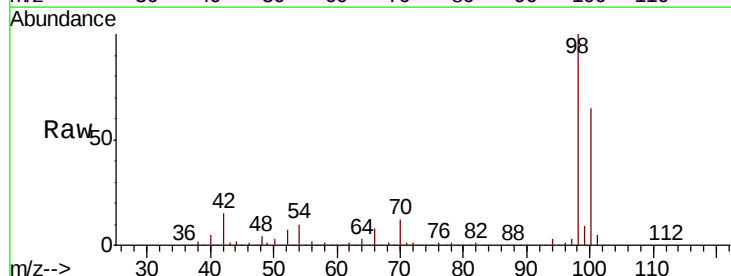


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

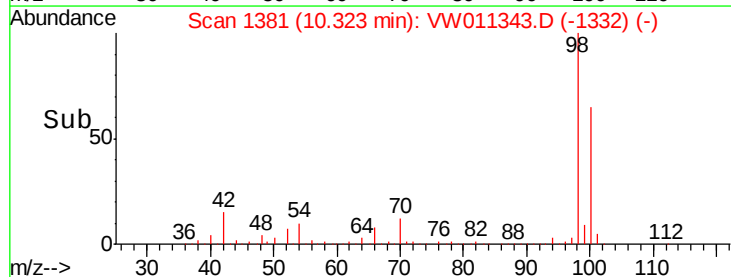
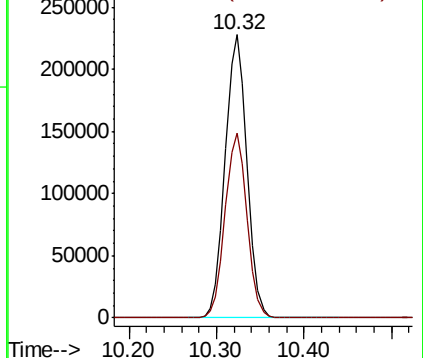


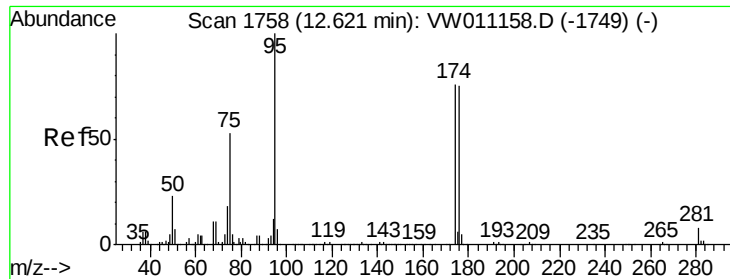
#50
Toluene-d8
Concen: 51.960 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011343.D
Acq: 18 Jul 2019 19:22

Tgt Ion: 98 Resp: 393528
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



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

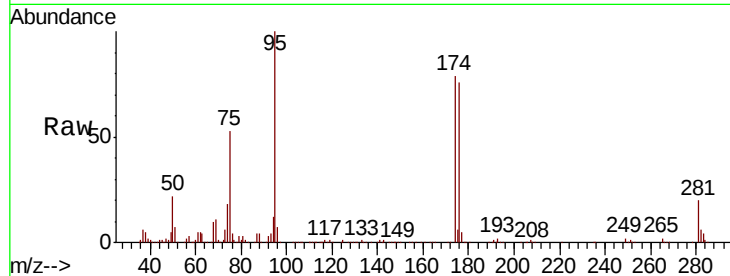




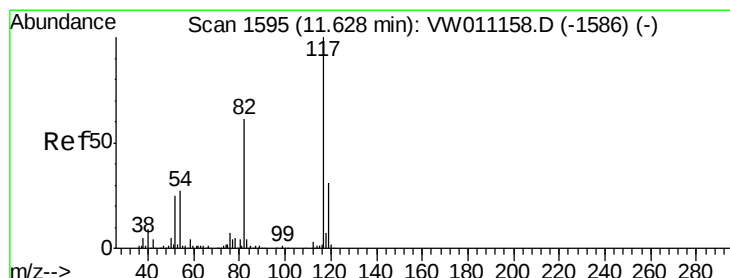
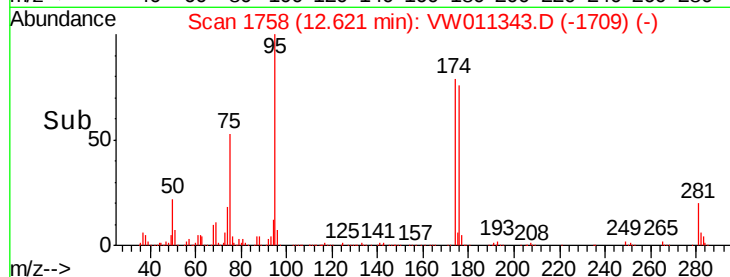
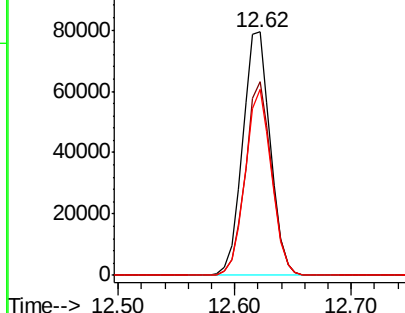
#62
4-Bromofluorobenzene
Concen: 47.181 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW011343.D
Acq: 18 Jul 2019 19:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	147.6
176	73.1	0.0	144.6

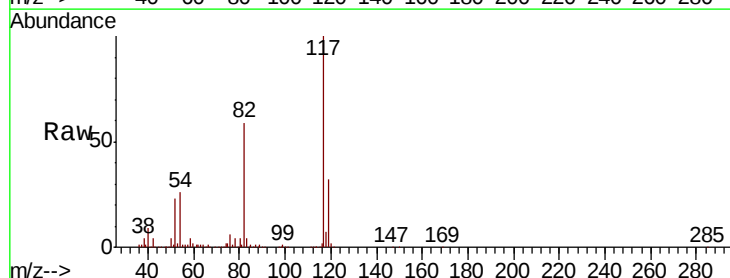


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

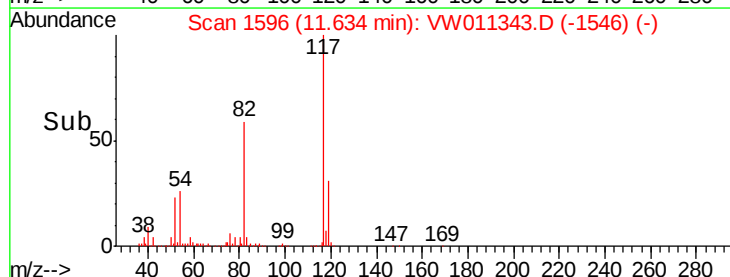
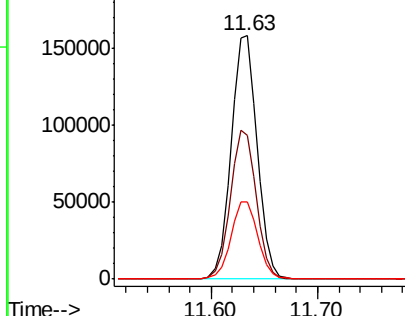


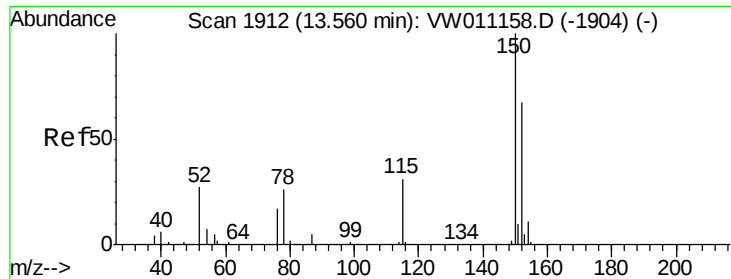
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011343.D
Acq: 18 Jul 2019 19:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.3	48.9	73.3
119	31.3	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: VW011343.D

Acq: 18 Jul 2019 19:22

Instrument :

MSVOA_W

ClientSampleId :

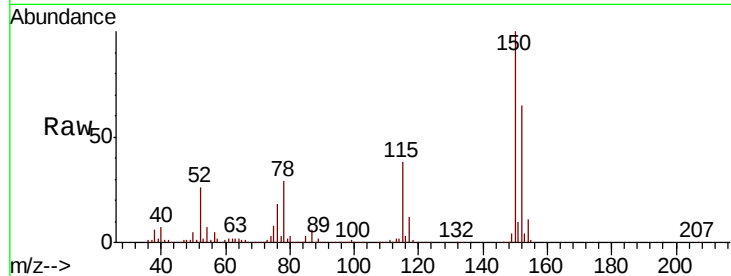
Tot Ion:152 Resp: 116024

Ion Ratio Lower Upper

152 100

115 60.0 30.1 90.3

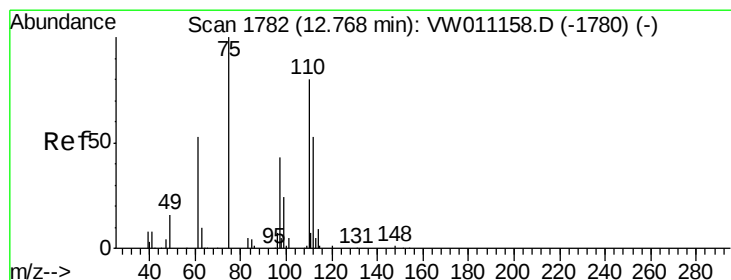
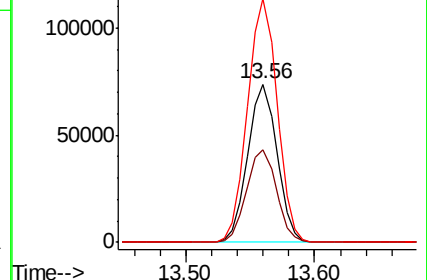
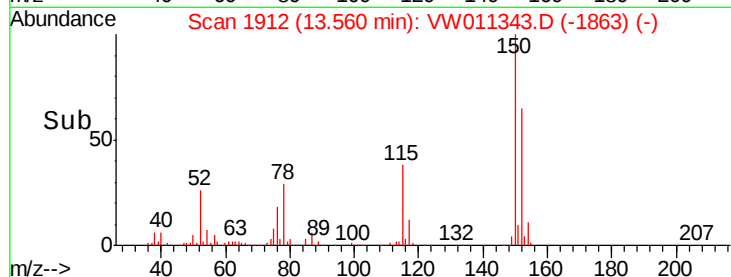
150 155.5 0.0 346.0



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: 52.888 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011343.D

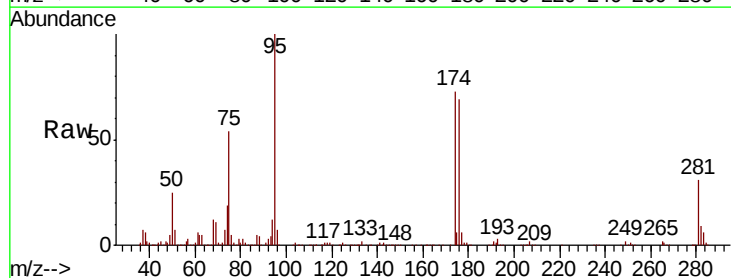
Acq: 18 Jul 2019 19:22

Tgt Ion: 75 Resp: 70912

Ion Ratio Lower Upper

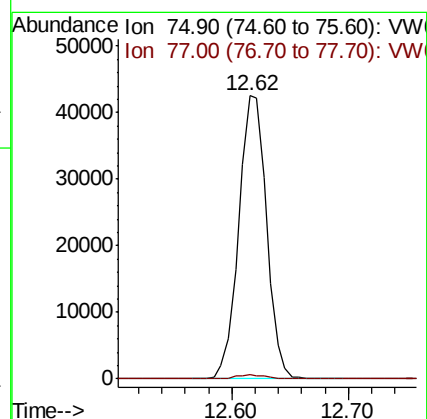
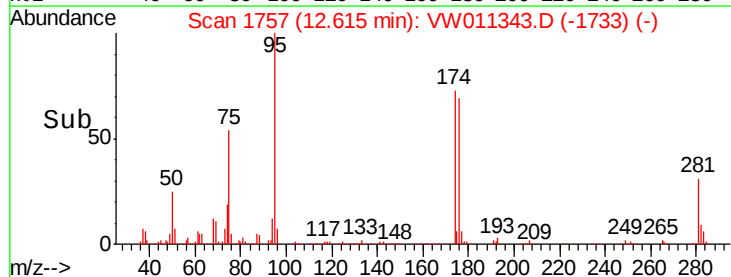
75 100

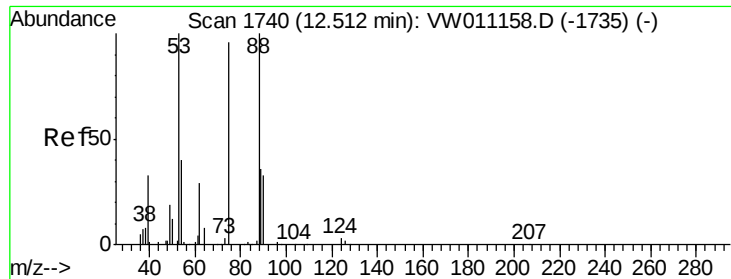
77 1.6 0.0 0.0#



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: 119.622 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011343.D

Acq: 18 Jul 2019 19:22

Instrument :

MSVOA_W

ClientSampleId :

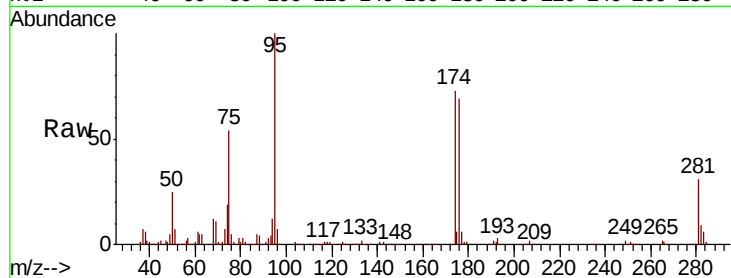
Tot Ion: 75 Resp: 70912

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.4 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

