

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
 Data File : VW005259.D
 Acq On : 10 Sep 2018 23:26
 Operator : SY/AP
 Sample : J4838-03
 Misc : 4.51G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1A-G-090718-3

Quant Time: Sep 11 03:53:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	461375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	692208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	647791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	276281	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	162195	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
35) Dibromofluoromethane	7.89	113	151753	41.85	ug/l	0.00
Spiked Amount			Recovery	=	83.70%	
50) Toluene-d8	10.33	98	653070	35.64	ug/l	0.00
Spiked Amount			Recovery	=	71.28%	
62) 4-Bromofluorobenzene	12.63	95	220874	32.96	ug/l	0.00
Spiked Amount			Recovery	=	65.92%	

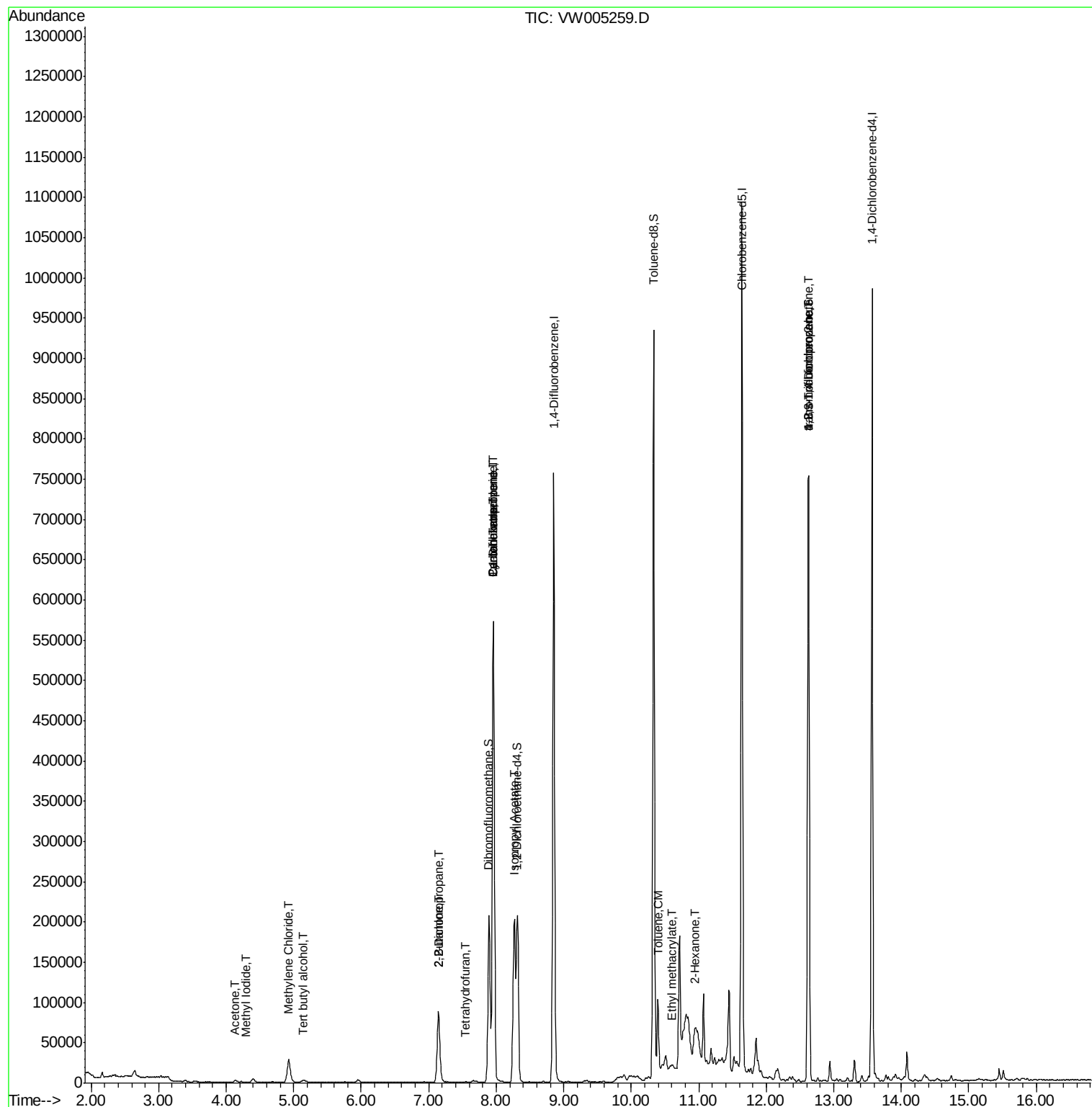
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	732	Below Cal	#	22
10) Methyl Iodide	4.28	142	373	3.397	ug/l #	69
11) Tert butyl alcohol	5.15	59	2258	8.001	ug/l #	89
16) Acetone	4.14	43	4954	7.756	ug/l	91
20) Methylene Chloride	4.92	84	22721	1.599	ug/l	94
25) 2-Butanone	7.14	43	4582	4.548	ug/l #	71
26) 2,2-Dichloropropane	7.14	77	6375	1.062	ug/l #	51
29) Tetrahydrofuran	7.54	42	766	1.128	ug/l #	62
31) Cyclohexane	7.96	56	8297	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	30323	4.781	ug/l #	48
38) Carbon Tetrachloride	7.96	117	40921	6.888	ug/l #	16
43) Isopropyl Acetate	8.26	43	4557	1.017	ug/l #	9
52) Toluene	10.40	92	41898	3.085	ug/l	98
56) Ethyl methacrylate	10.61	69	15672	3.527	ug/l #	30
59) 2-Hexanone	10.94	43	1972	1.085	ug/l #	22
76) 1,2,3-Trichloropropane	12.63	75	102623	48.293	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	102623	113.257	ug/l #	16

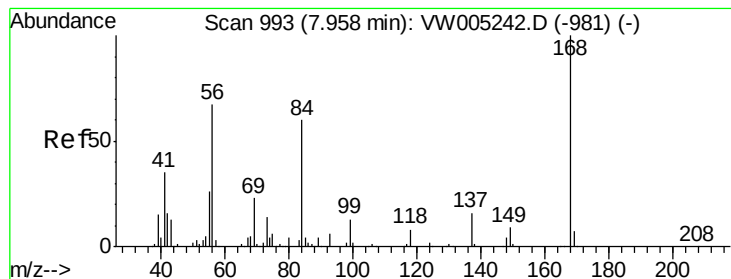
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
Data File : VW005259.D
Acq On : 10 Sep 2018 23:26
Operator : SY/AP
Sample : J4838-03
Misc : 4.51G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-3

Quant Time: Sep 11 03:53:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 03:48:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005259.D

Acq: 10 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

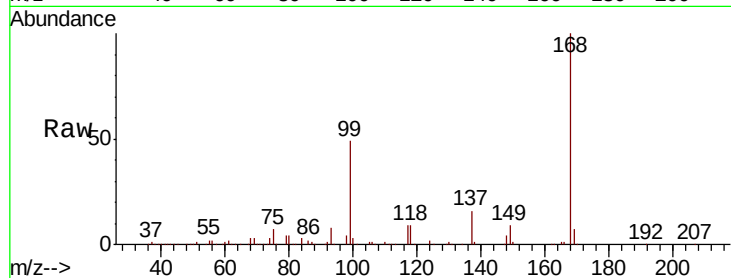
SUP-1A-G-090718-3

Tgt Ion: 168 Resp: 461375

Ion Ratio Lower Upper

168 100

99 49.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

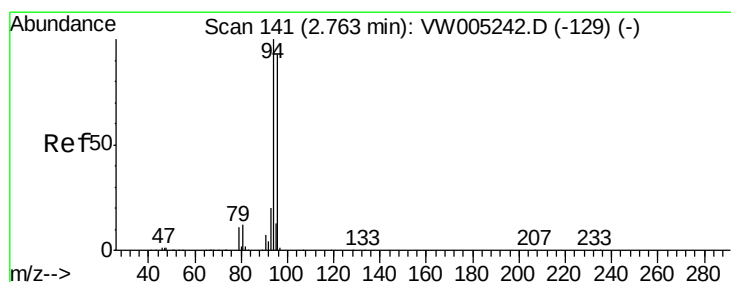
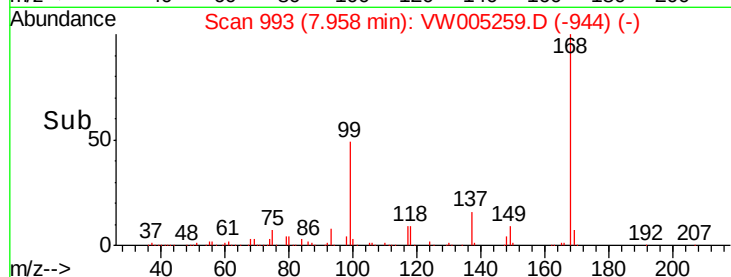
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.02 min

Lab File: VW005259.D

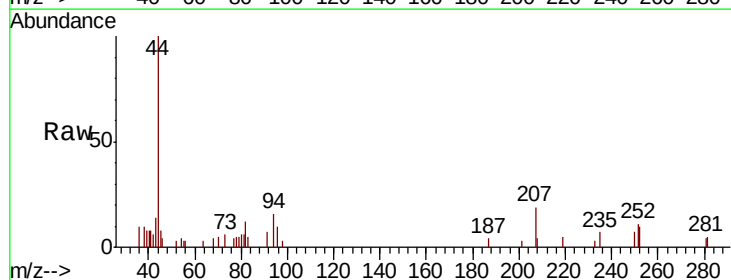
Acq: 10 Sep 2018 23:26

Tgt Ion: 94 Resp: 732

Ion Ratio Lower Upper

94 100

96 17.8 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

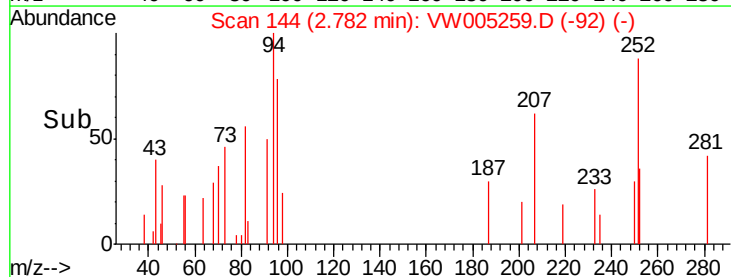
300

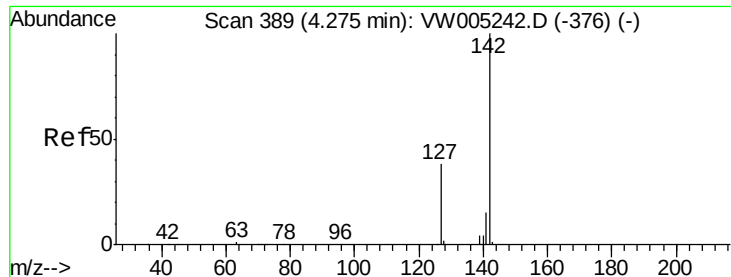
200

100

0

Time-->

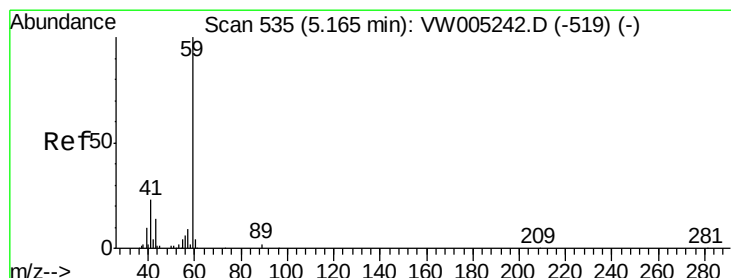
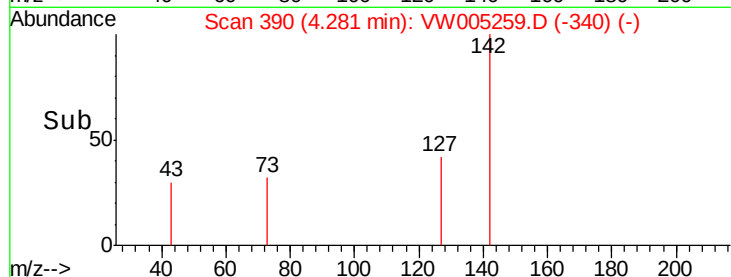
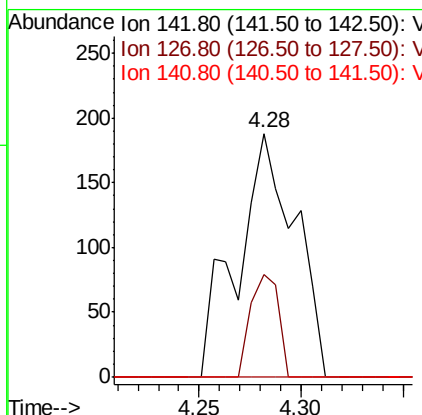
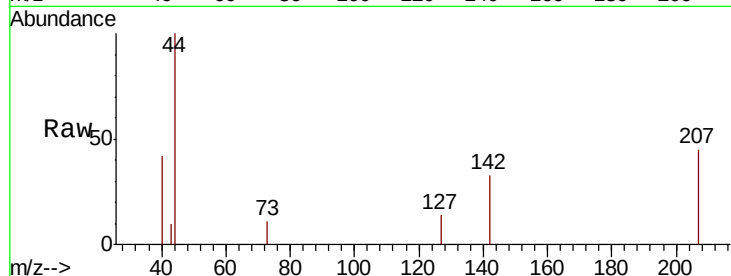




#10
Methyl Iodide
Concen: 3.397 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.01 min
Lab File: VW005259.D
Acq: 10 Sep 2018 23:26

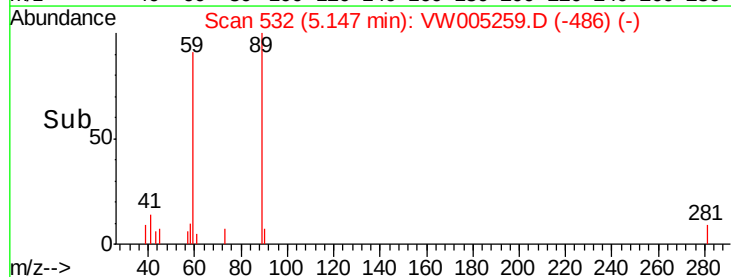
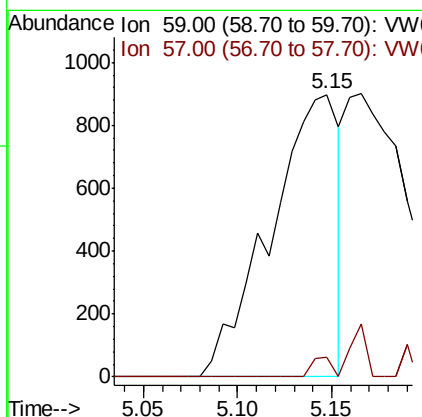
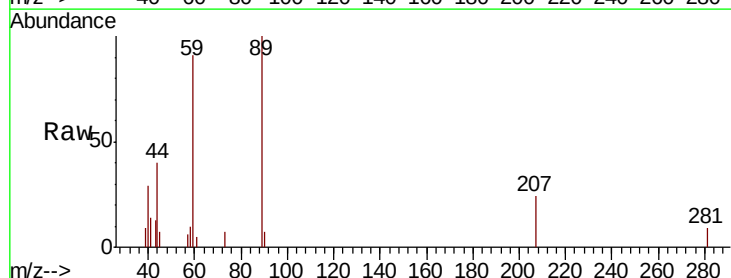
Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-3

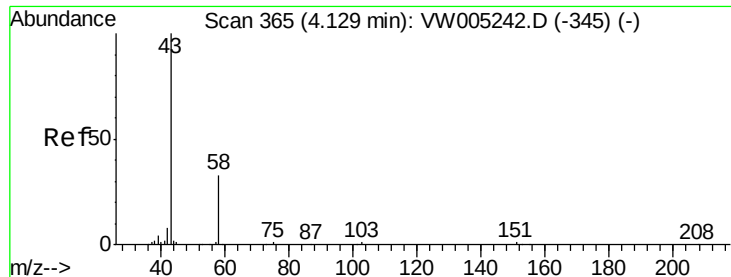
Tgt Ion: 142 Resp: 373
Ion Ratio Lower Upper
142 100
127 20.4 30.3 45.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 8.001 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.02 min
Lab File: VW005259.D
Acq: 10 Sep 2018 23:26

Tgt Ion: 59 Resp: 2258
Ion Ratio Lower Upper
59 100
57 6.2 8.1 12.1#

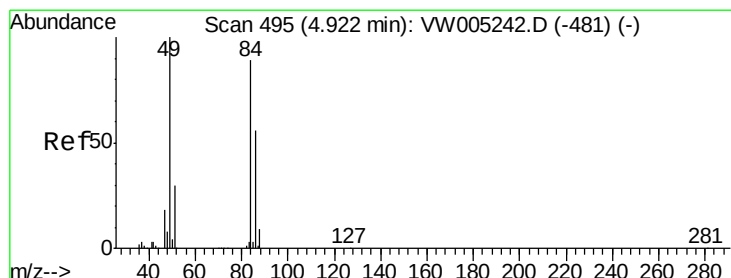
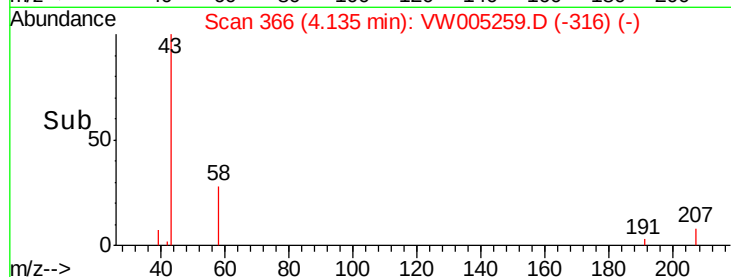
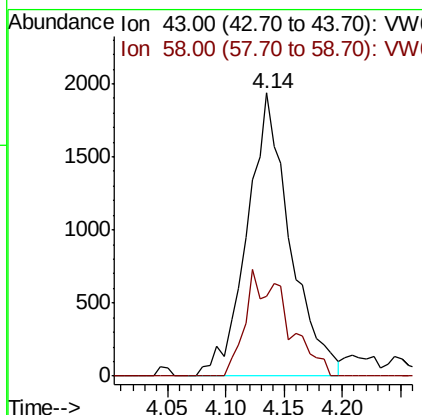
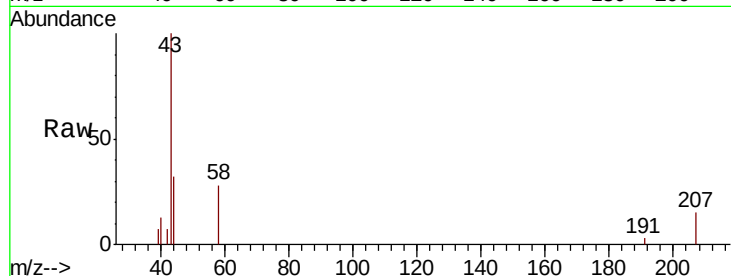




#16
Acetone
Concen: 7.756 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW005259.D
Acq: 10 Sep 2018 23:26

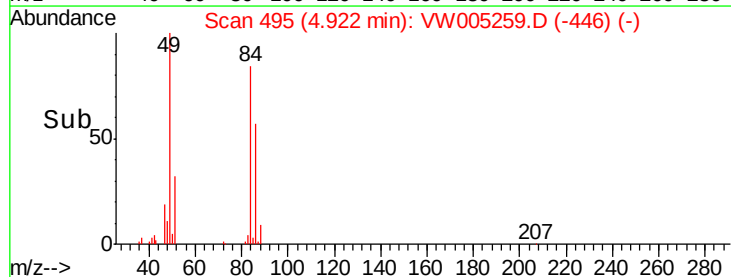
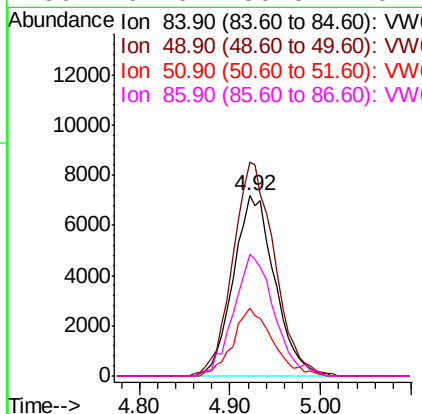
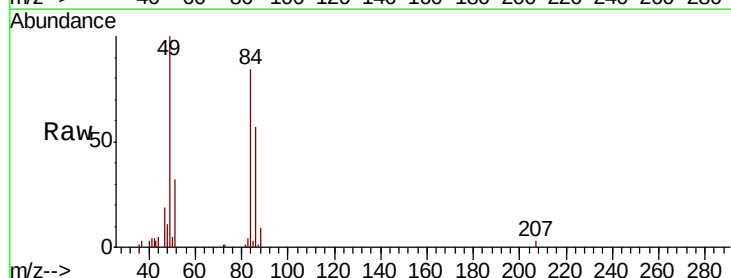
Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-3

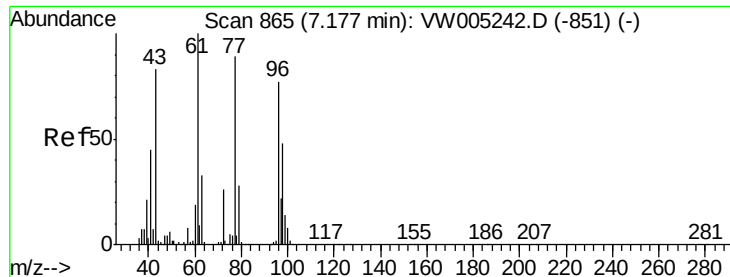
Tgt Ion: 43 Resp: 4954
Ion Ratio Lower Upper
43 100
58 28.0 26.7 40.1



#20
Methylene Chloride
Concen: 1.599 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005259.D
Acq: 10 Sep 2018 23:26

Tgt Ion: 84 Resp: 22721
Ion Ratio Lower Upper
84 100
49 118.5 90.3 135.5
51 37.6 26.9 40.3
86 67.6 50.8 76.2





#25

2-Butanone

Concen: 4.548 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005259.D

Acq: 10 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

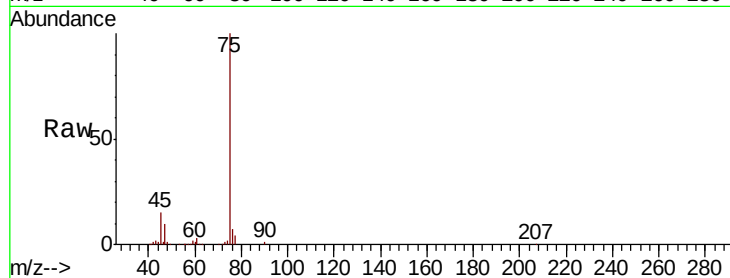
SUP-1A-G-090718-3

Tgt Ion: 43 Resp: 4582

Ion Ratio Lower Upper

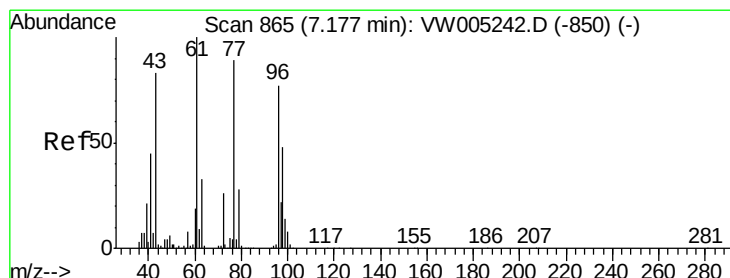
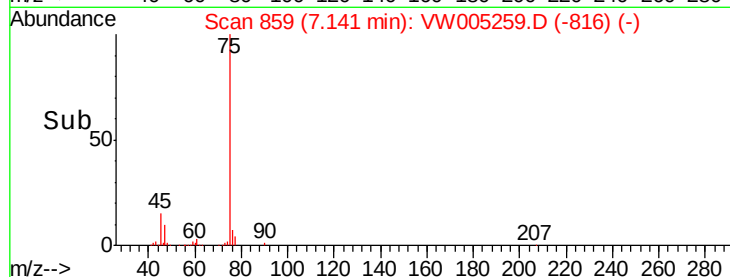
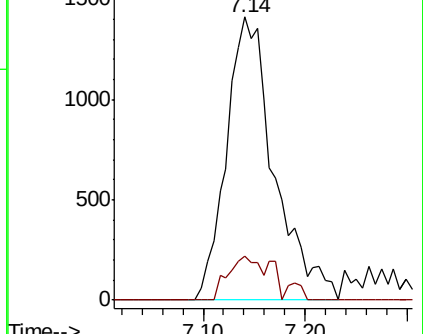
43 100

72 15.4 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.062 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005259.D

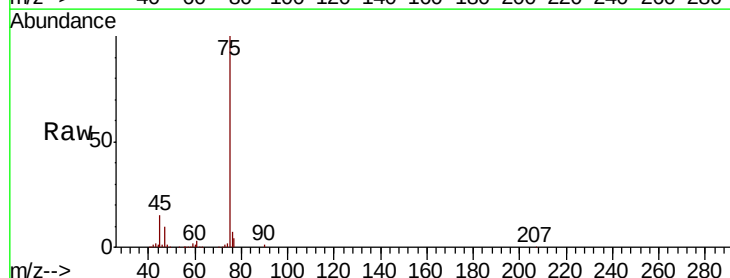
Acq: 10 Sep 2018 23:26

Tgt Ion: 77 Resp: 6375

Ion Ratio Lower Upper

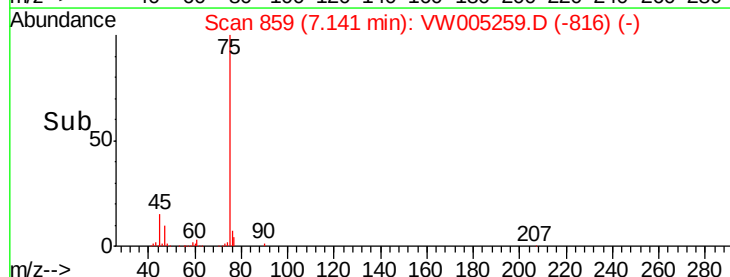
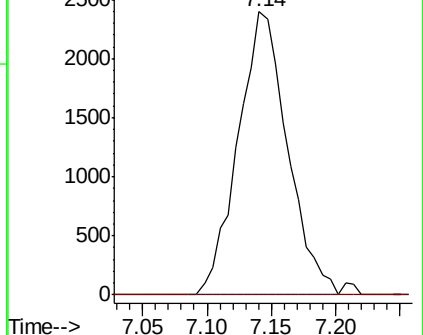
77 100

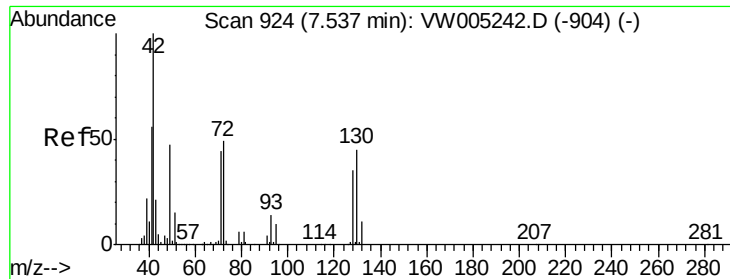
97 0.0 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

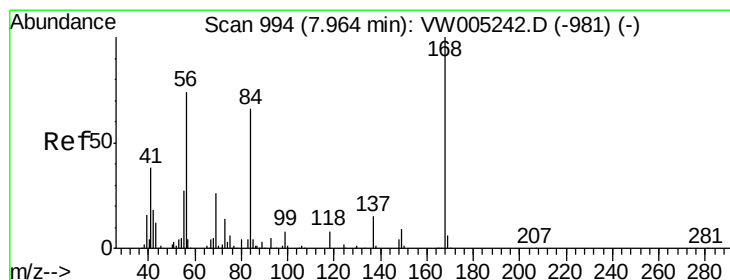
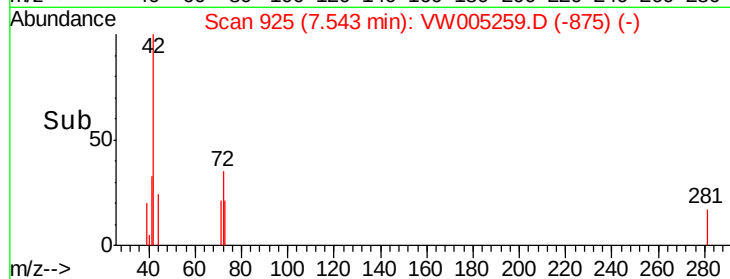
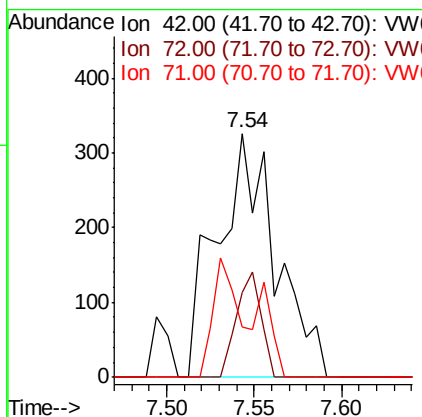
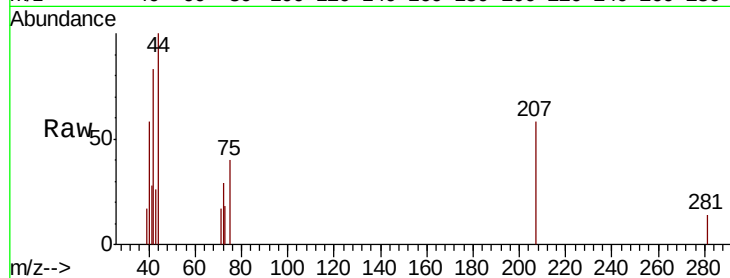




#29
Tetrahydrofuran
Concen: 1.128 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005259.D
Acq: 10 Sep 2018 23:26

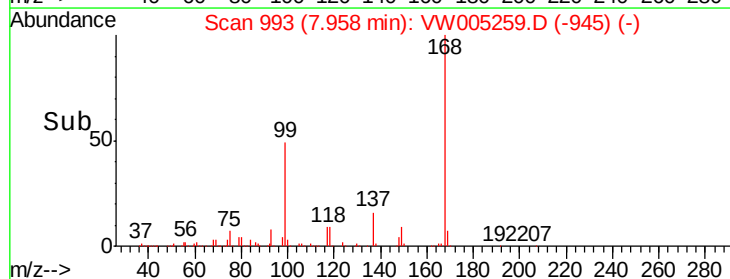
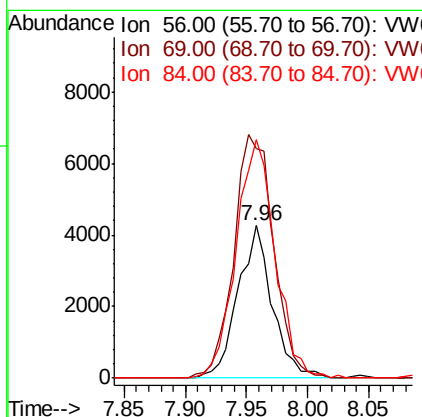
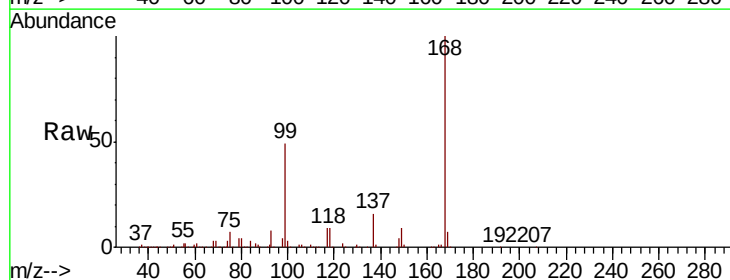
Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-3

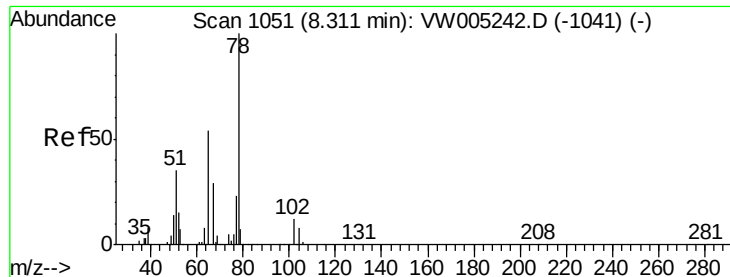
Tgt Ion: 42 Resp: 766
Ion Ratio Lower Upper
42 100
72 18.0 37.5 56.3#
71 22.5 34.8 52.2#



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005259.D
Acq: 10 Sep 2018 23:26

Tgt Ion: 56 Resp: 8297
Ion Ratio Lower Upper
56 100
69 150.9 27.8 41.8#
84 156.8 72.1 108.1#

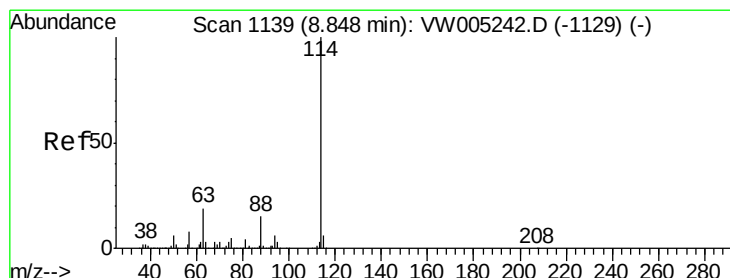
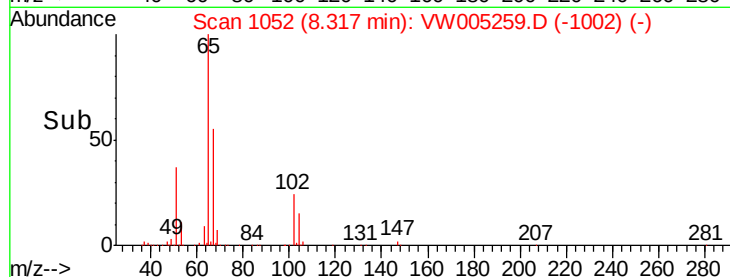
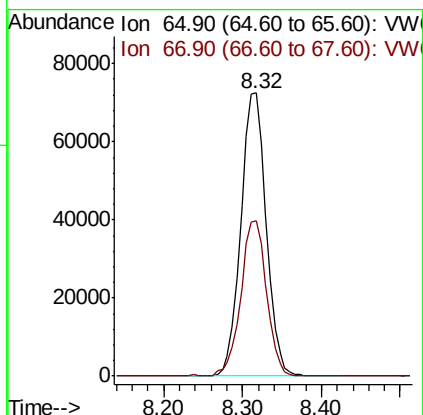
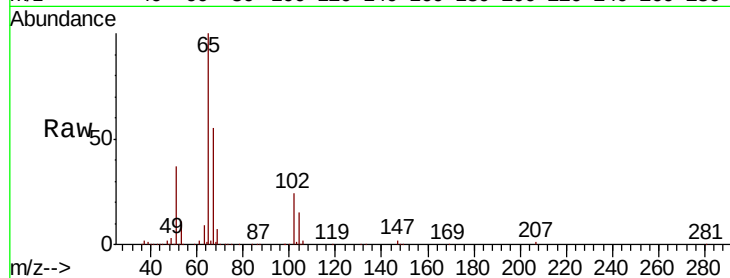




#33
 1,2-Dichloroethane-d4
 Concen: 47.133 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW005259.D
 Acq: 10 Sep 2018 23:26

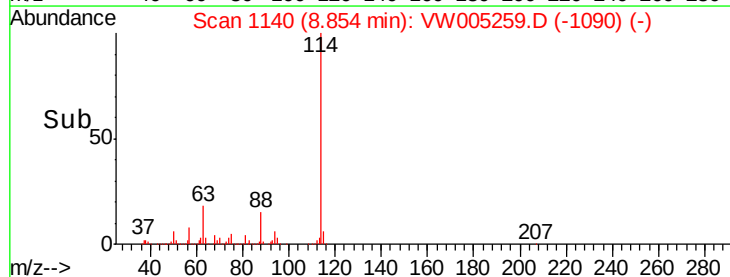
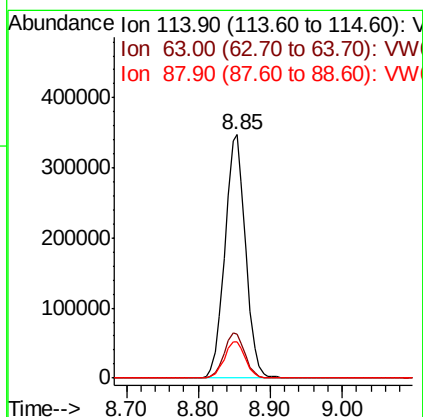
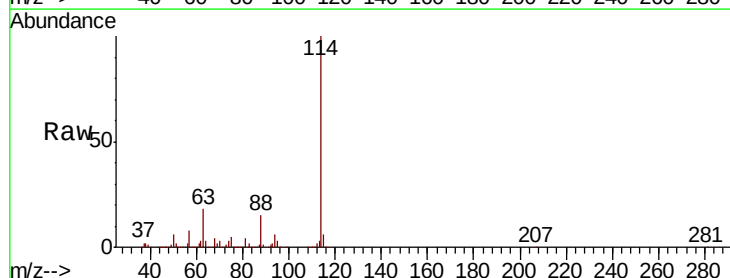
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1A-G-090718-3

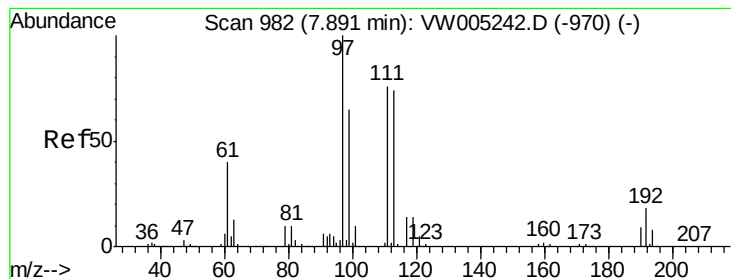
Tgt Ion: 65 Resp: 162195
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005259.D
 Acq: 10 Sep 2018 23:26

Tgt Ion: 114 Resp: 692208
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 37.0
 88 14.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 41.851 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW005259.D

Acq: 10 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

SUP-1A-G-090718-3

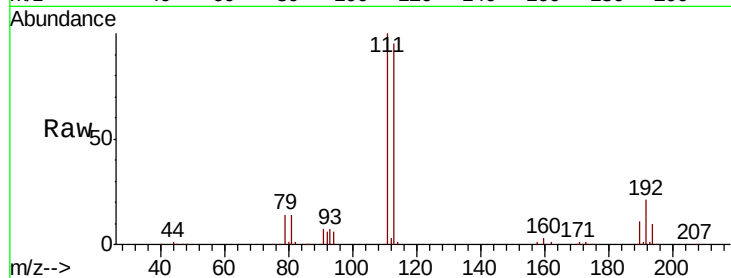
Tgt Ion: 113 Resp: 151753

Ion Ratio Lower Upper

113 100

111 103.1 80.6 121.0

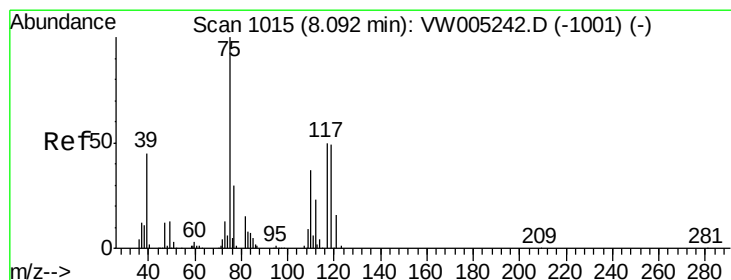
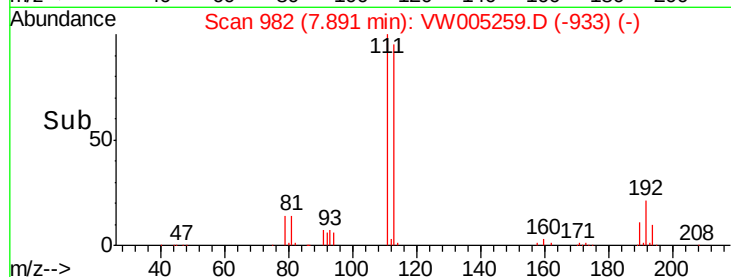
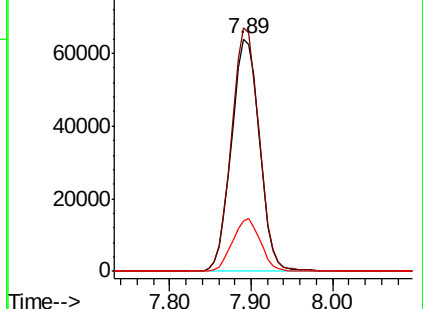
192 22.5 18.3 27.5



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: 4.781 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005259.D

Acq: 10 Sep 2018 23:26

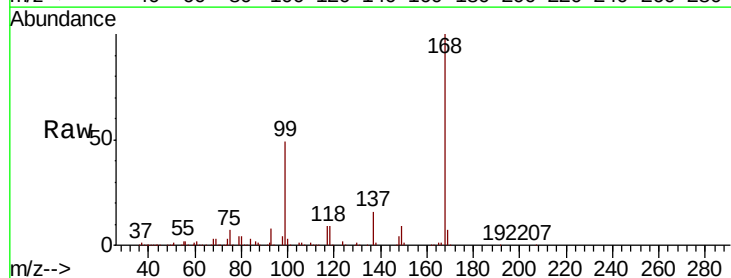
Tgt Ion: 75 Resp: 30323

Ion Ratio Lower Upper

75 100

110 8.4 18.8 56.4#

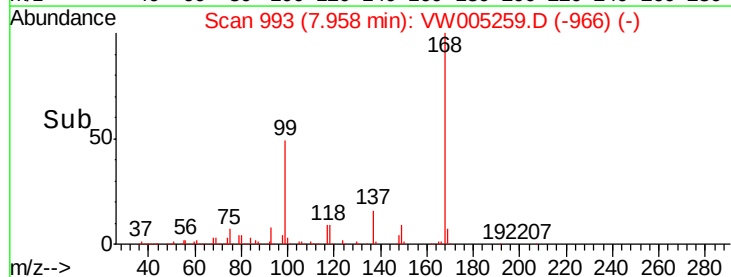
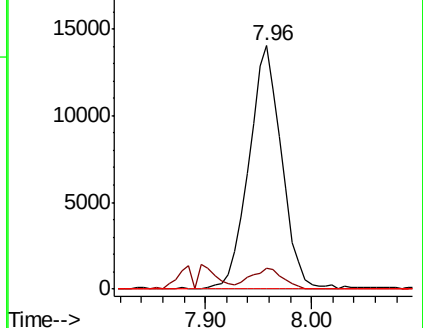
77 0.0 24.9 37.3#

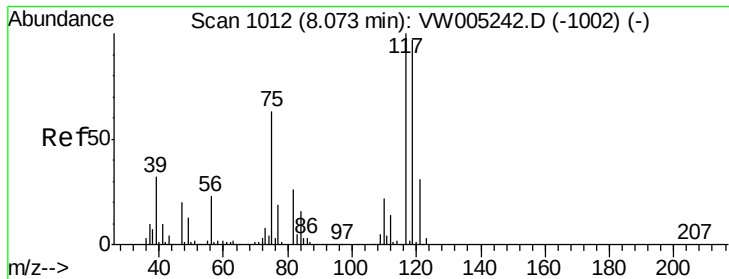


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

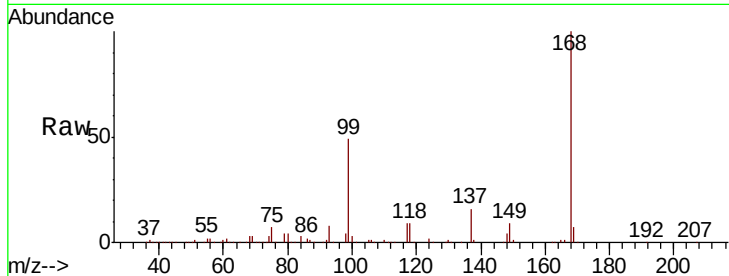




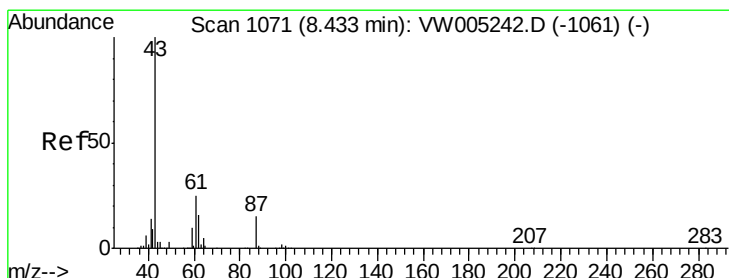
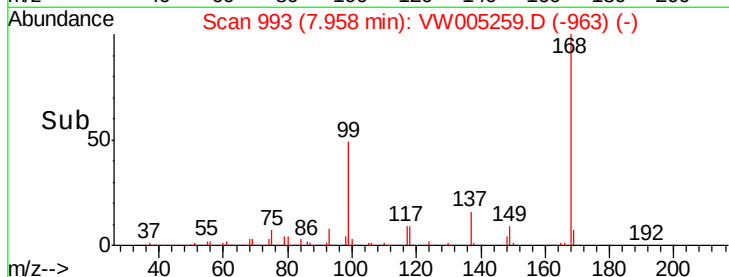
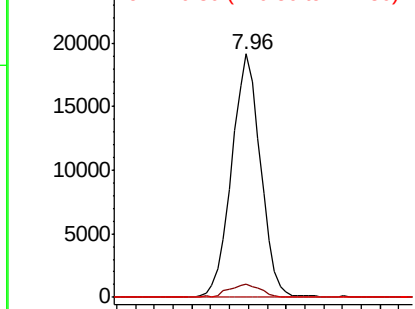
#38
Carbon Tetrachloride
Concen: 6.888 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.12 min
Lab File: VW005259.D
Acq: 10 Sep 2018 23:26

Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-3

Tgt Ion: 117 Resp: 40921
Ion Ratio Lower Upper
117 100
119 5.5 77.5 116.3#
121 0.0 24.7 37.1#

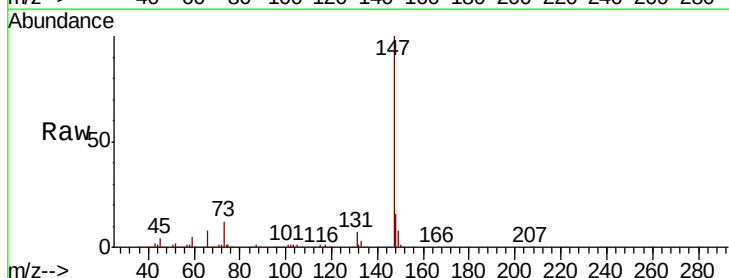


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

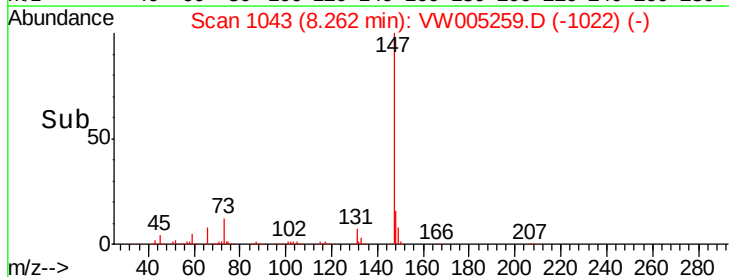
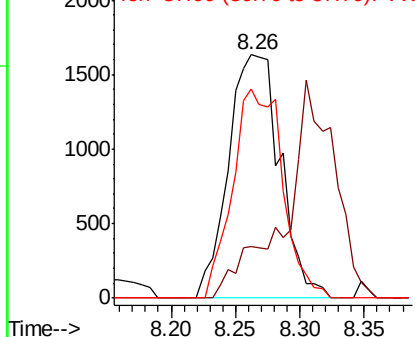


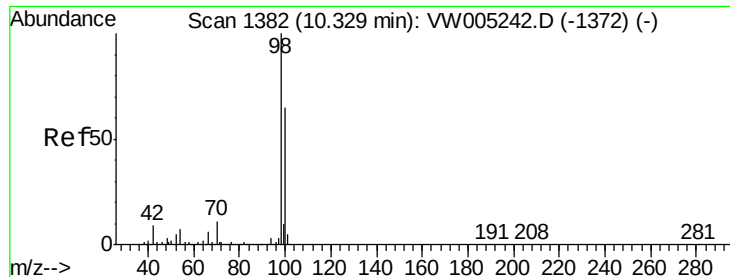
#43
Isopropyl Acetate
Concen: 1.017 ug/l
RT: 8.26 min Scan# 1043
Delta R.T. -0.17 min
Lab File: VW005259.D
Acq: 10 Sep 2018 23:26

Tgt Ion: 43 Resp: 4557
Ion Ratio Lower Upper
43 100
61 0.0 25.4 38.0#
87 82.9 11.9 17.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW





#50

Toluene-d8

Concen: 35.642 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005259.D

Acq: 10 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

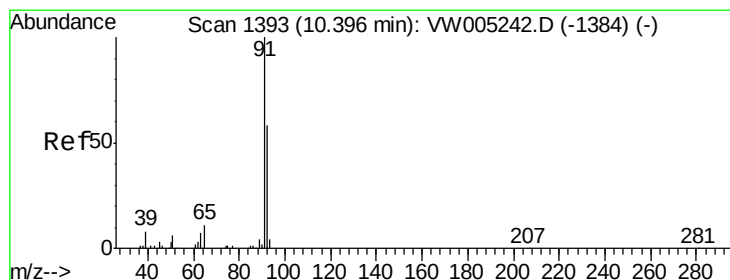
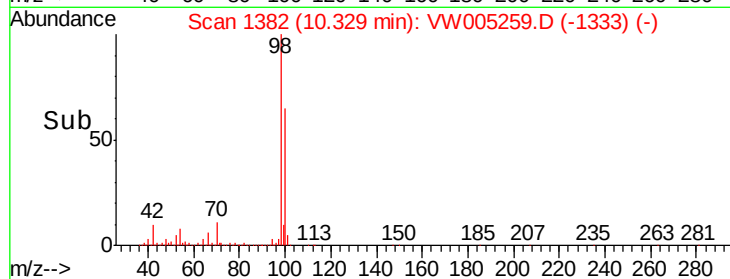
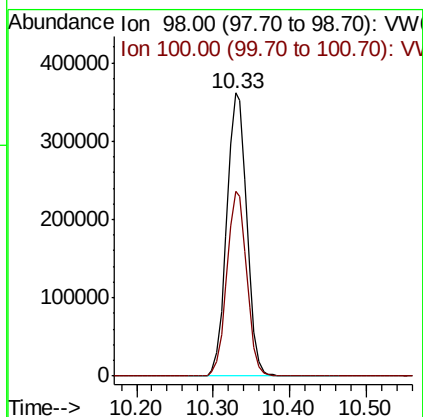
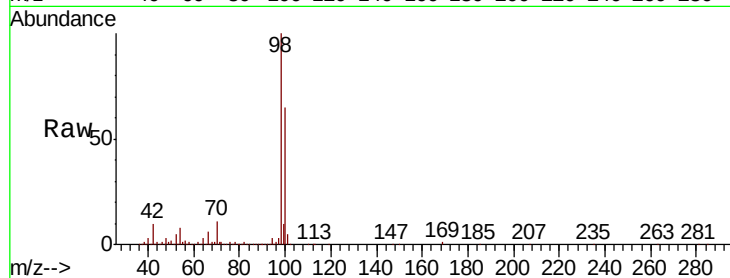
SUP-1A-G-090718-3

Tgt Ion: 98 Resp: 653070

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



#52

Toluene

Concen: 3.085 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005259.D

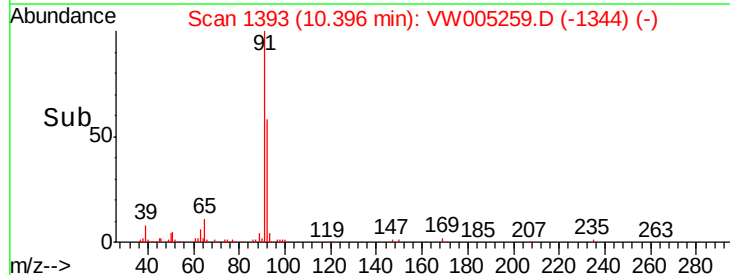
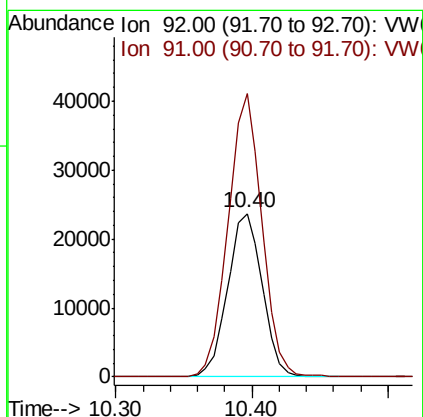
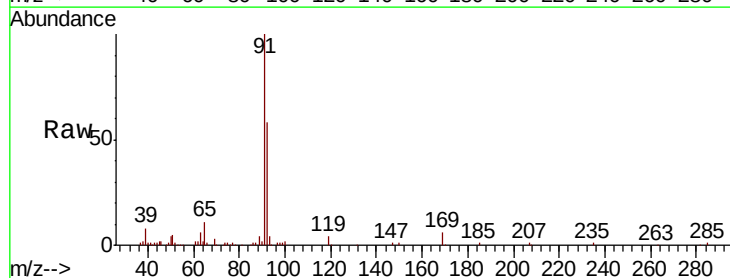
Acq: 10 Sep 2018 23:26

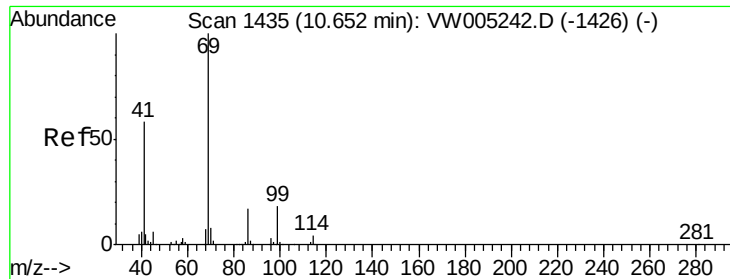
Tgt Ion: 92 Resp: 41898

Ion Ratio Lower Upper

92 100

91 169.4 137.4 206.0

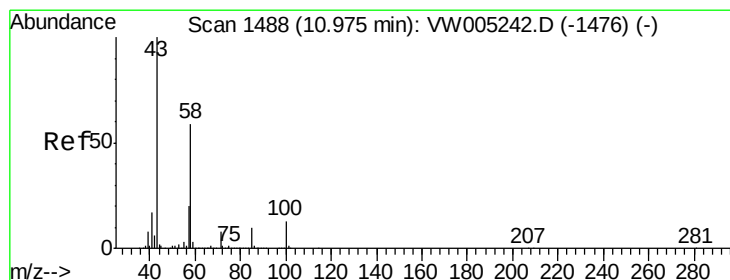
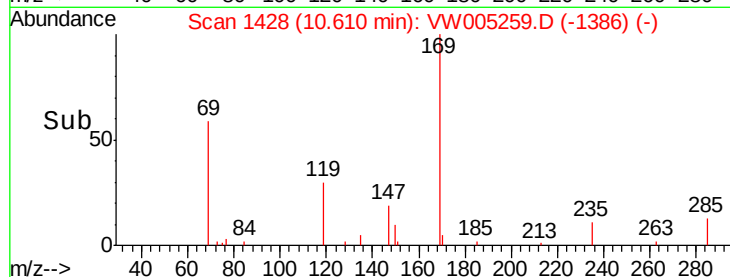
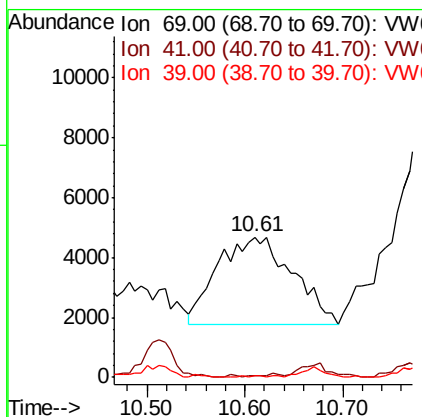
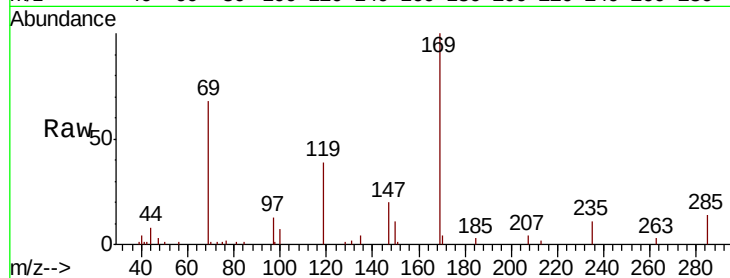




#56
Ethyl methacrylate
Concen: 3.527 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.04 min
Lab File: VW005259.D
Acq: 10 Sep 2018 23:26

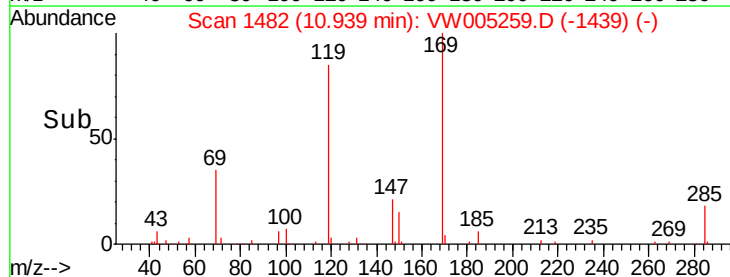
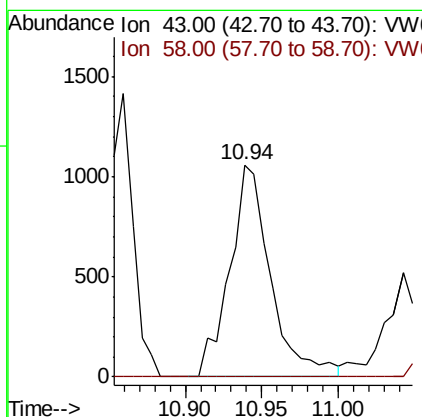
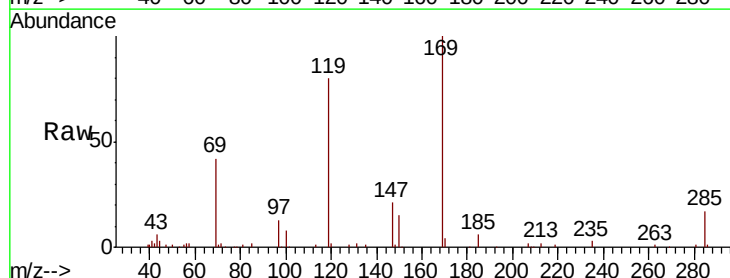
Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-3

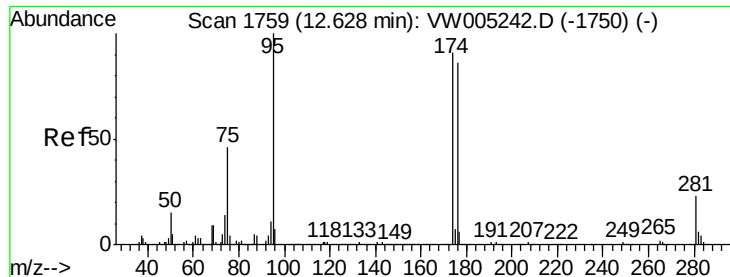
Tgt Ion: 69 Resp: 15672
Ion Ratio Lower Upper
69 100
41 1.3 48.7 73.1#
39 0.0 20.9 31.3#



#59
2-Hexanone
Concen: 1.085 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.04 min
Lab File: VW005259.D
Acq: 10 Sep 2018 23:26

Tgt Ion: 43 Resp: 1972
Ion Ratio Lower Upper
43 100
58 0.0 29.3 87.9#





#62

4-Bromofluorobenzene

Concen: 32.956 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.00 min

Lab File: VW005259.D

Acq: 10 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

SUP-1A-G-090718-3

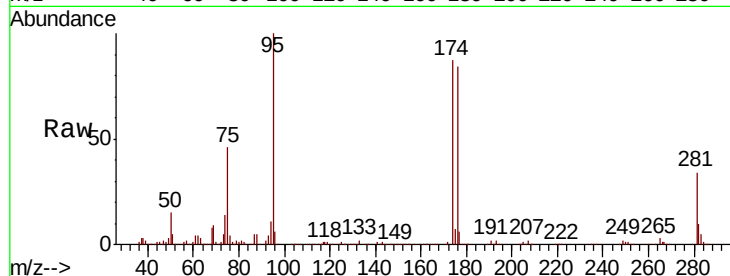
Tgt Ion: 95 Resp: 220874

Ion Ratio Lower Upper

95 100

174 86.3 0.0 174.6

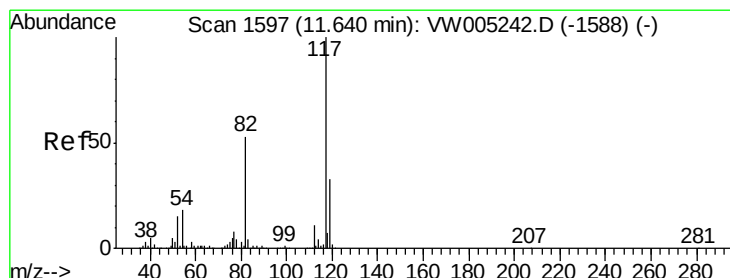
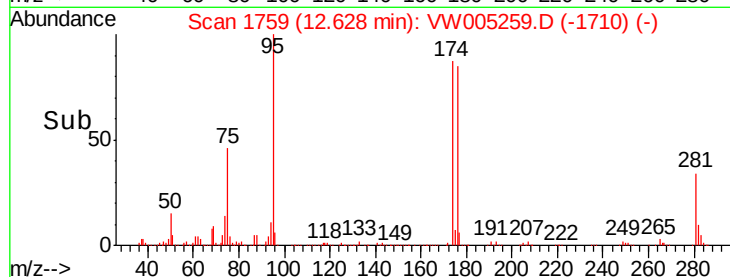
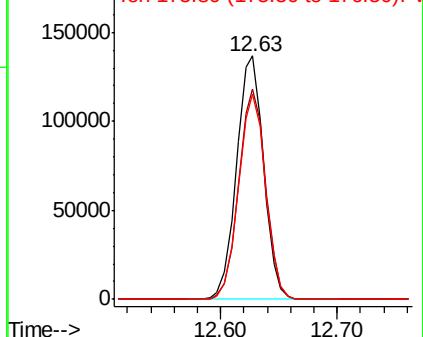
176 84.1 0.0 167.6



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: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005259.D

Acq: 10 Sep 2018 23:26

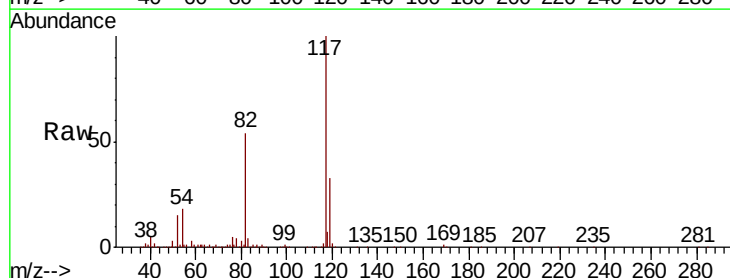
Tgt Ion: 117 Resp: 647791

Ion Ratio Lower Upper

117 100

82 53.8 42.6 63.8

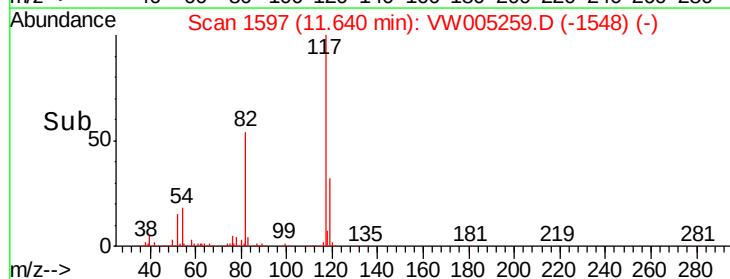
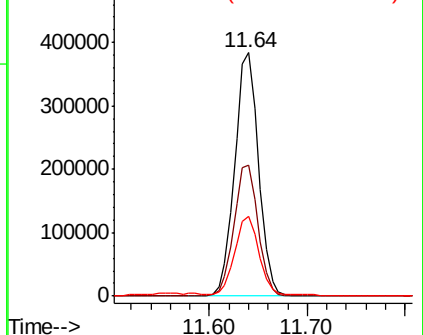
119 32.3 26.2 39.4

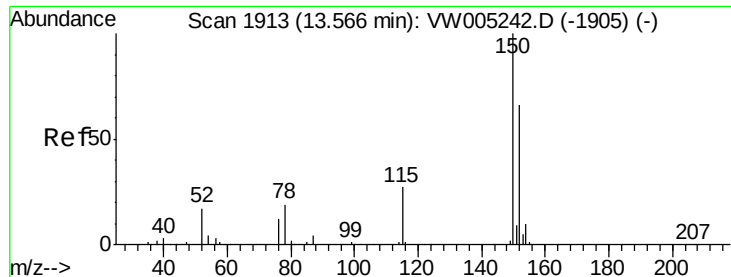


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005259.D

Acq: 10 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

SUP-1A-G-090718-3

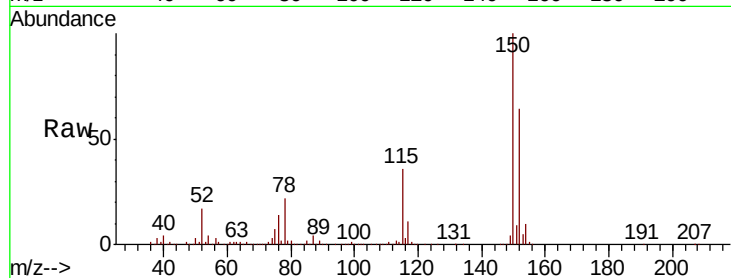
Tgt Ion: 152 Resp: 276281

Ion Ratio Lower Upper

152 100

115 56.1 27.5 82.4

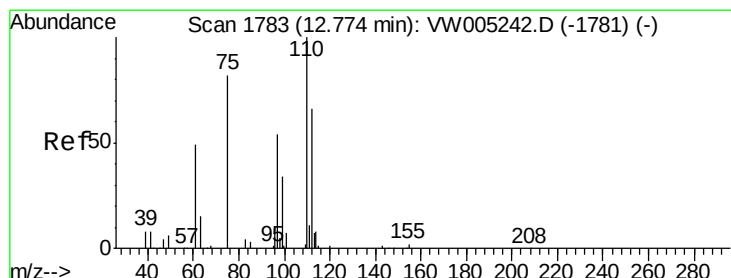
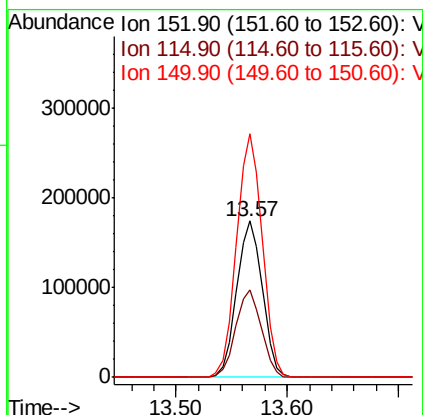
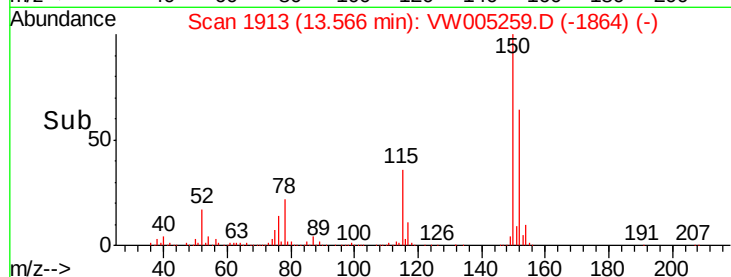
150 156.1 0.0 347.4



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: 48.293 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005259.D

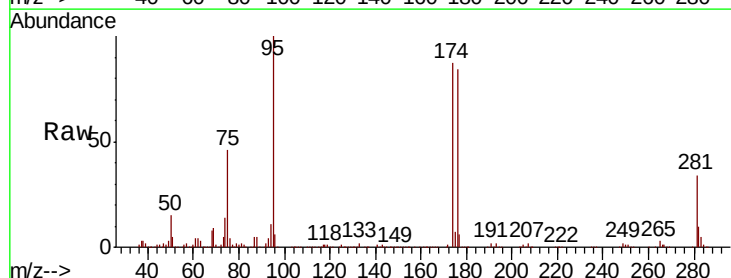
Acq: 10 Sep 2018 23:26

Tgt Ion: 75 Resp: 102623

Ion Ratio Lower Upper

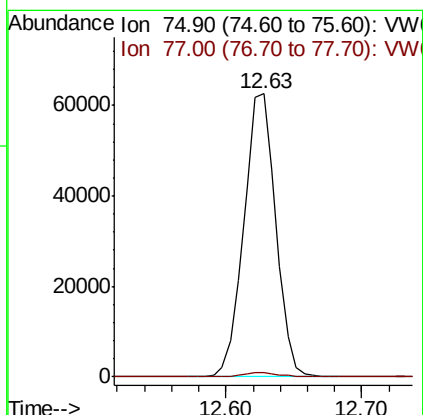
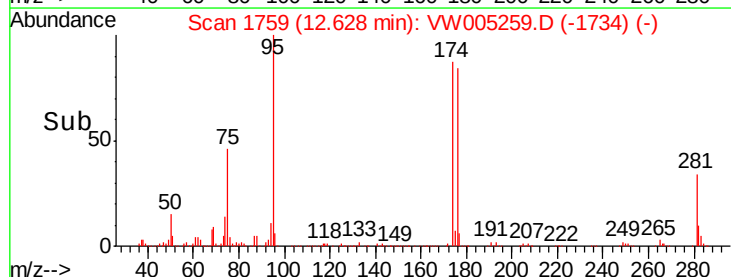
75 100

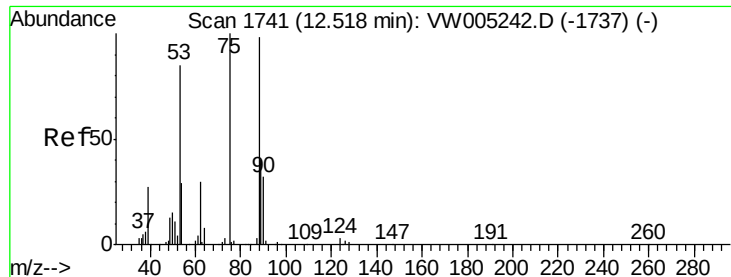
77 1.7 0.0 0.0#



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: 113.257 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005259.D

Acq: 10 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

SUP-1A-G-090718-3

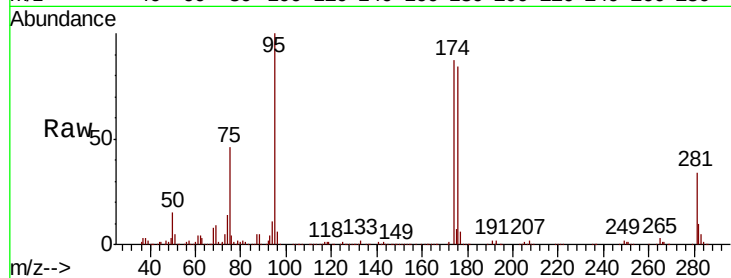
Tgt Ion: 75 Resp: 102623

Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.4 37.0 55.4#



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

