

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005435.D
 Acq On : 17 Sep 2018 15:54
 Operator : SY/AP
 Sample : J4940-01
 Misc : 5.18G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-1

Quant Time: Sep 18 01:03:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	246405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	384928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	373772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	191437	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	115373	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	
35) Dibromofluoromethane	7.89	113	94379	43.73	ug/l	0.00
Spiked Amount			Recovery	=	87.46%	
50) Toluene-d8	10.33	98	411347	41.62	ug/l	0.00
Spiked Amount			Recovery	=	83.24%	
62) 4-Bromofluorobenzene	12.62	95	151499	41.80	ug/l	0.00
Spiked Amount			Recovery	=	83.60%	

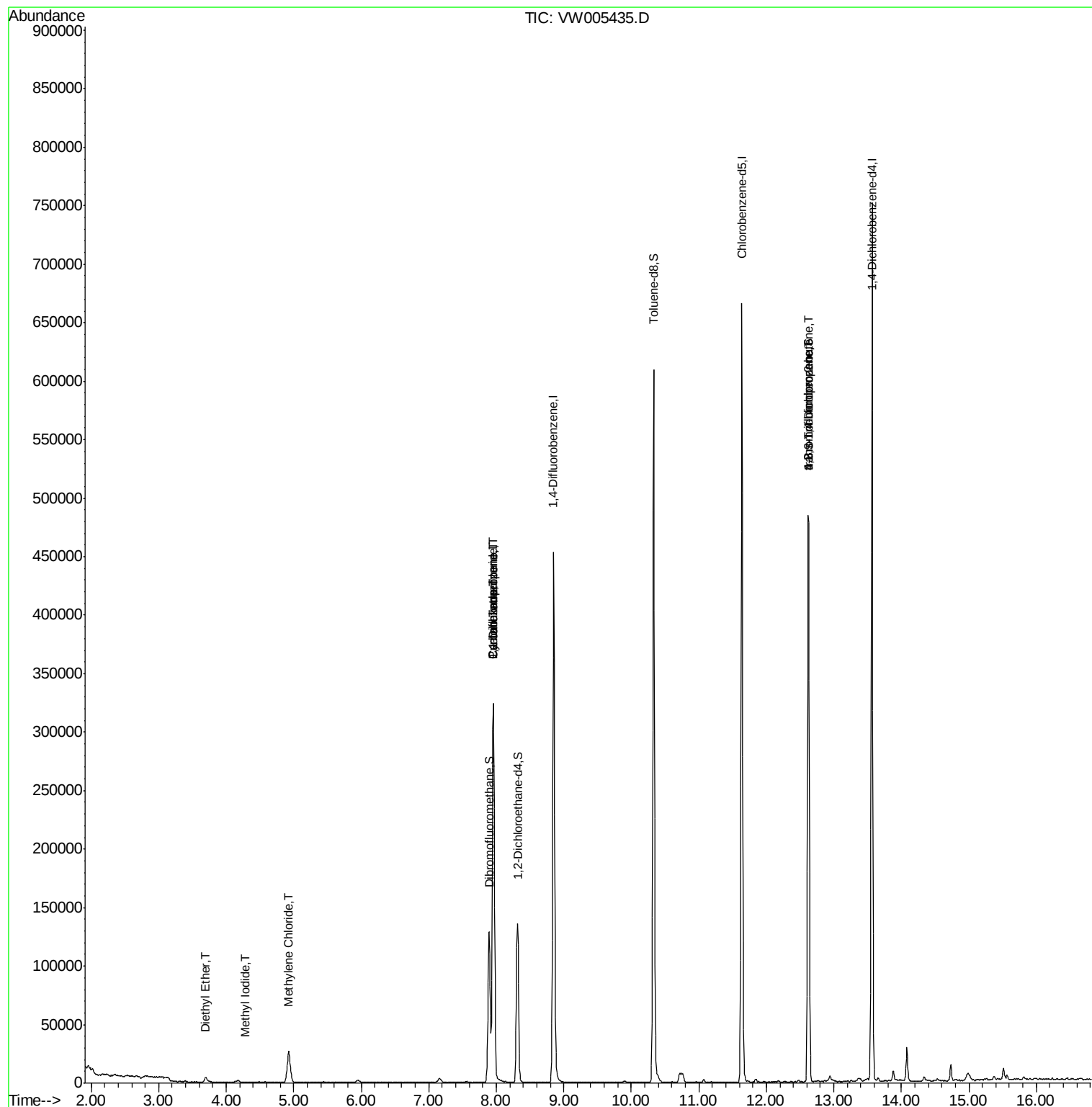
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	199	Below Cal	#	42
5) Bromomethane	2.78	94	241	Below Cal	#	23
8) Diethyl Ether	3.69	74	2104	1.961	ug/l	96
10) Methyl Iodide	4.28	142	190	4.116	ug/l #	38
11) Tert butyl alcohol	5.25	59	84	Below Cal	#	71
16) Acetone	4.18	43	3054	Below Cal		97
20) Methylene Chloride	4.93	84	19432	2.166	ug/l	94
31) Cyclohexane	7.96	56	5721	1.401	ug/l #	7
36) 1,1-Dichloropropene	7.96	75	18958	5.204	ug/l #	52
38) Carbon Tetrachloride	7.96	117	24706	6.508	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	78497	49.854	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78497	129.325	ug/l #	8

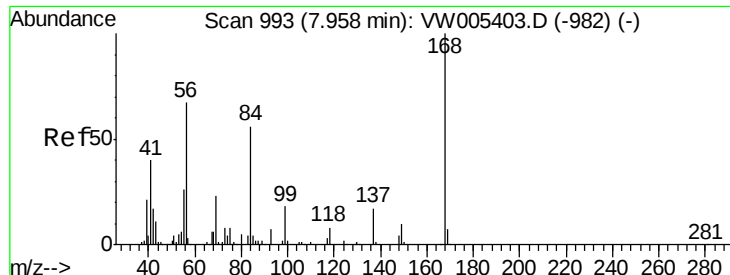
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
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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: VW005435.D

Acq: 17 Sep 2018 15:54

Instrument :

MSVOA_W

ClientSampleId :

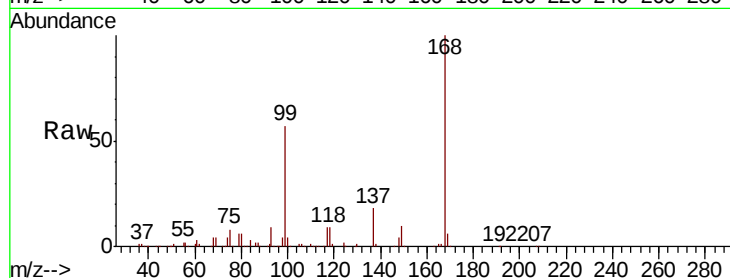
COMP-1

Tgt Ion:168 Resp: 246405

Ion Ratio Lower Upper

168 100

99 56.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

120000

100000

80000

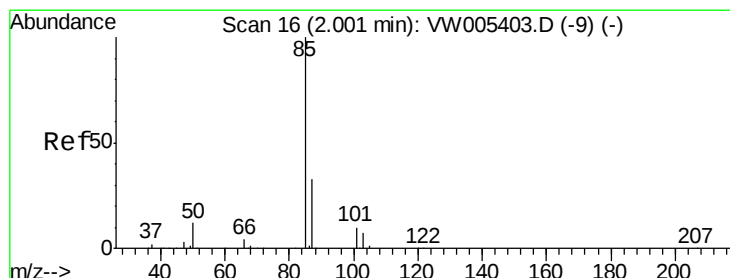
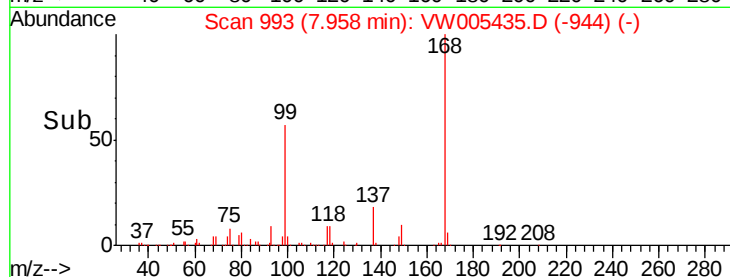
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005435.D

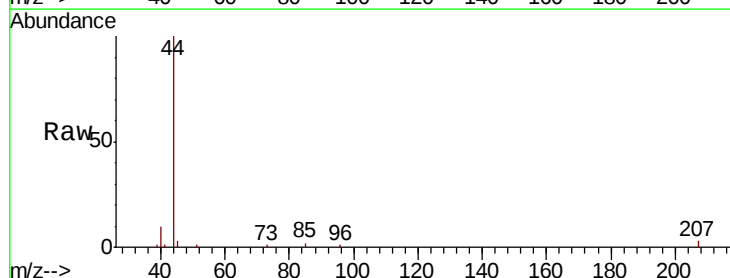
Acq: 17 Sep 2018 15:54

Tgt Ion: 85 Resp: 199

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

250

200

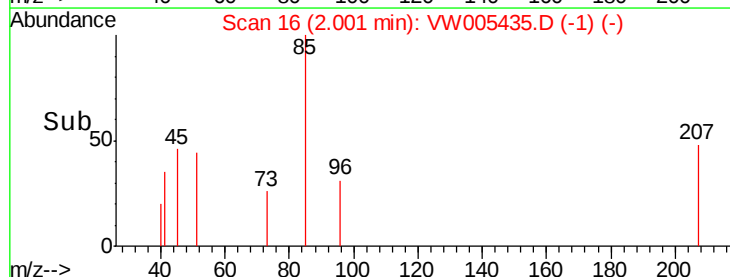
150

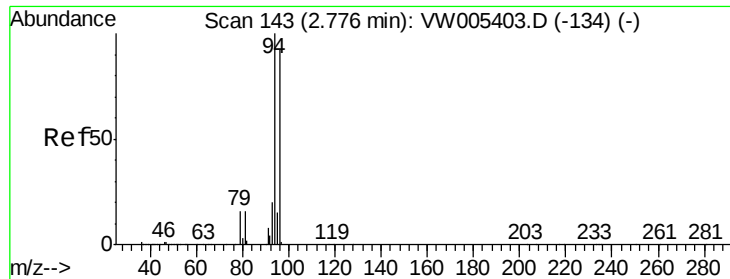
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005435.D

Acq: 17 Sep 2018 15:54

Instrument :

MSVOA_W

ClientSampled :

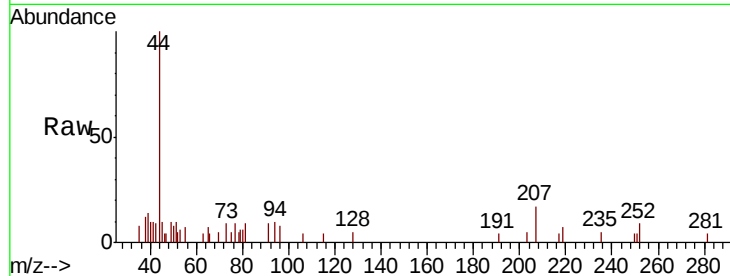
COMP-1

Tgt Ion: 94 Resp: 241

Ion Ratio Lower Upper

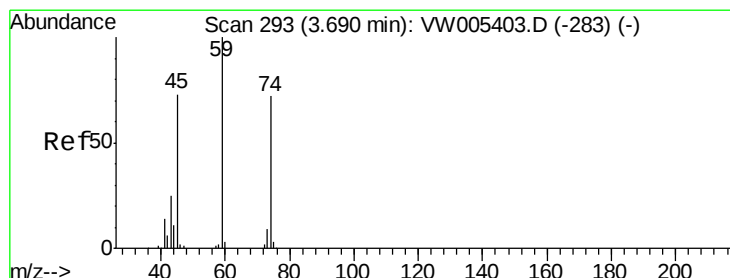
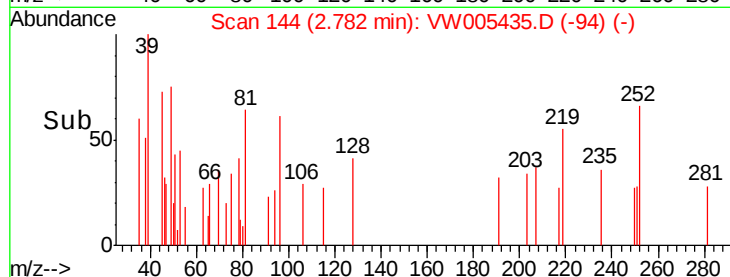
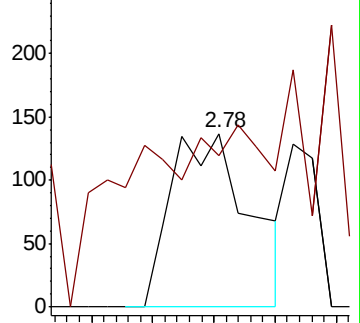
94 100

96 18.2 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#8

Diethyl Ether

Concen: 1.961 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW005435.D

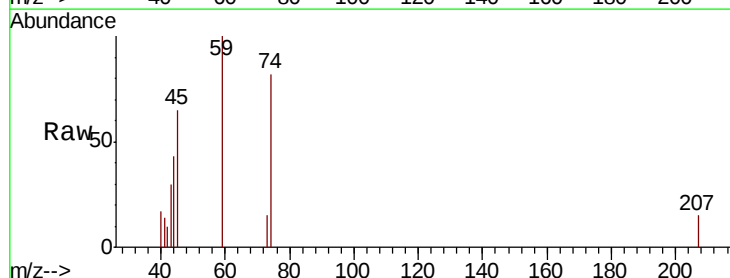
Acq: 17 Sep 2018 15:54

Tgt Ion: 74 Resp: 2104

Ion Ratio Lower Upper

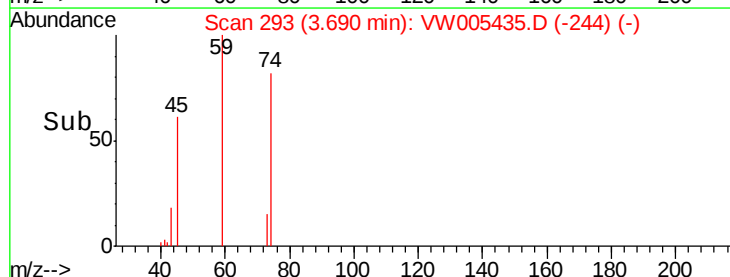
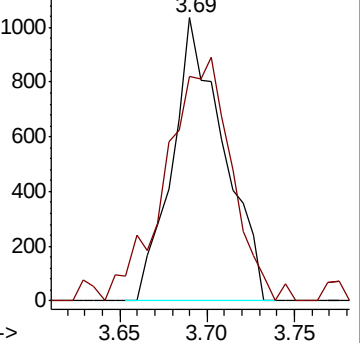
74 100

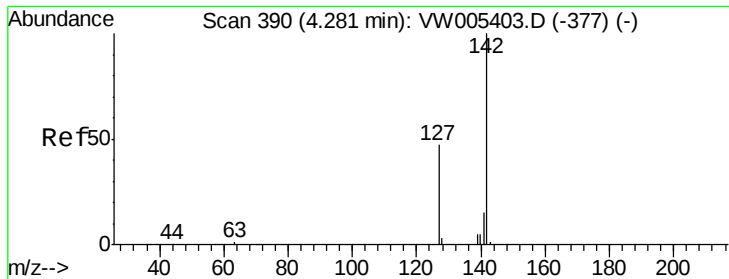
45 110.6 53.1 159.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

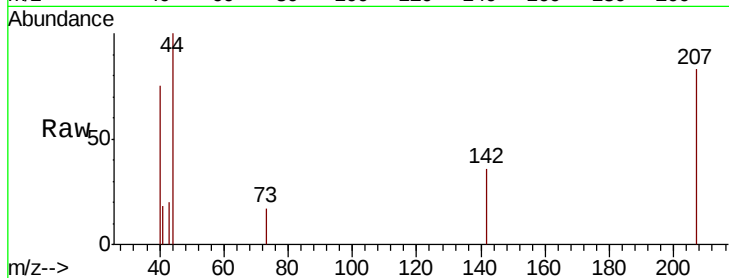




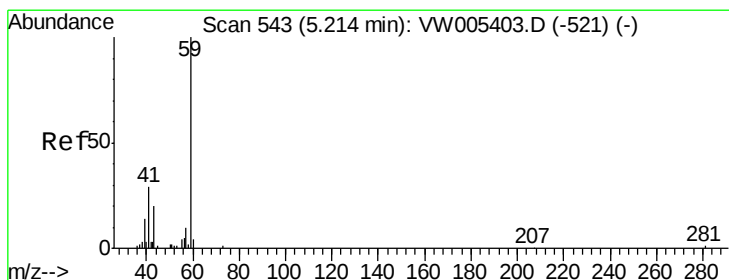
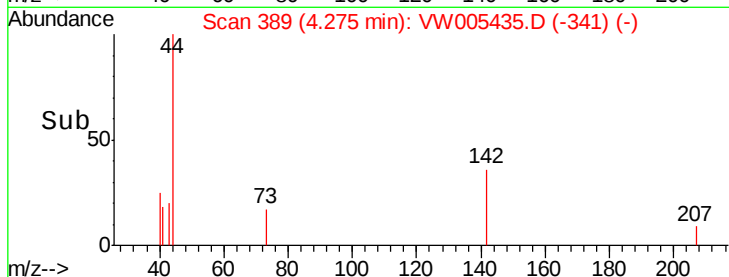
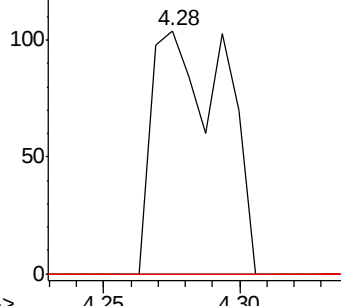
#10
Methyl Iodide
Concen: 4.116 ug/l
RT: 4.28 min Scan# 389
Delta R.T. -0.01 min
Lab File: VW005435.D
Acq: 17 Sep 2018 15:54

Instrument :
MSVOA_W
ClientSampled :
COMP-1

Tgt Ion: 142 Resp: 190
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.4 18.6#

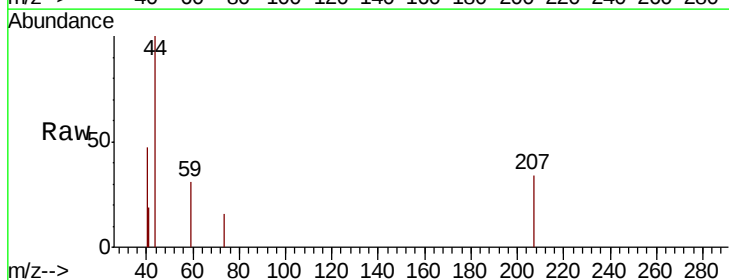


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

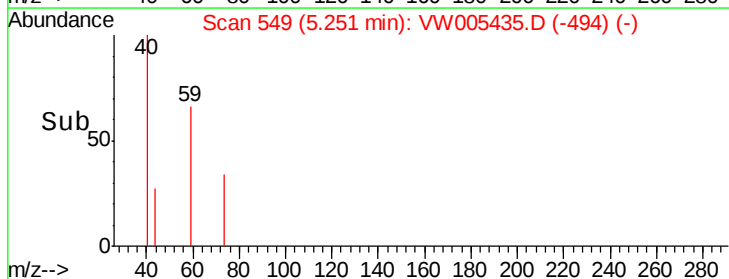
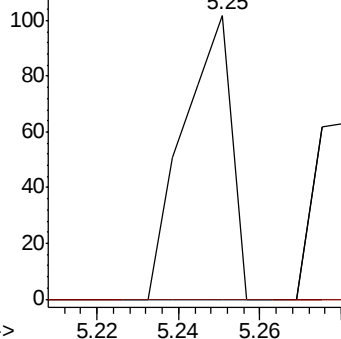


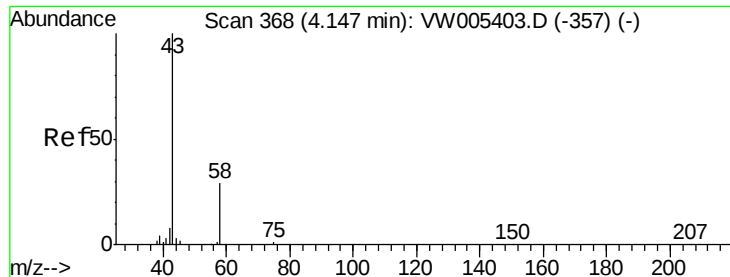
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.25 min Scan# 549
Delta R.T. 0.04 min
Lab File: VW005435.D
Acq: 17 Sep 2018 15:54

Tgt Ion: 59 Resp: 84
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.18 min Scan# 373

Delta R.T. 0.03 min

Lab File: VW005435.D

Acq: 17 Sep 2018 15:54

Instrument :

MSVOA_W

ClientSampled :

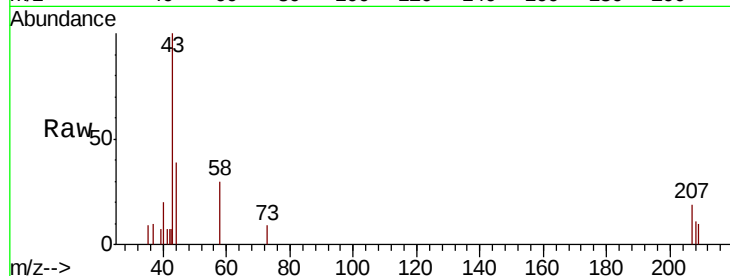
COMP-1

Tgt Ion: 43 Resp: 3054

Ion Ratio Lower Upper

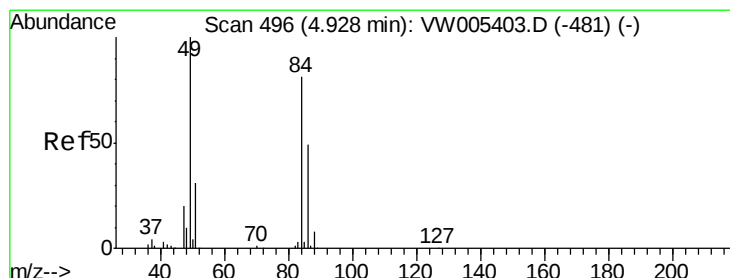
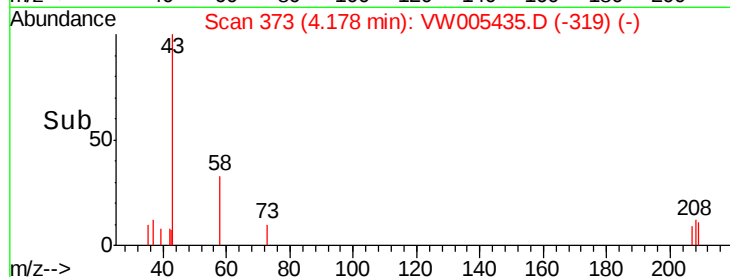
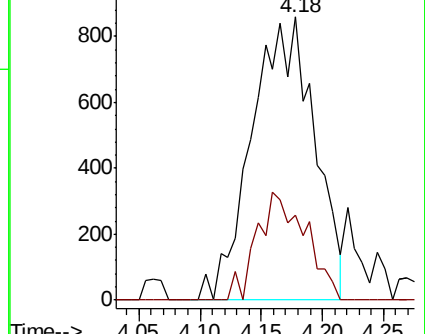
43 100

58 29.9 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.166 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW005435.D

Acq: 17 Sep 2018 15:54

Tgt Ion: 84 Resp: 19432

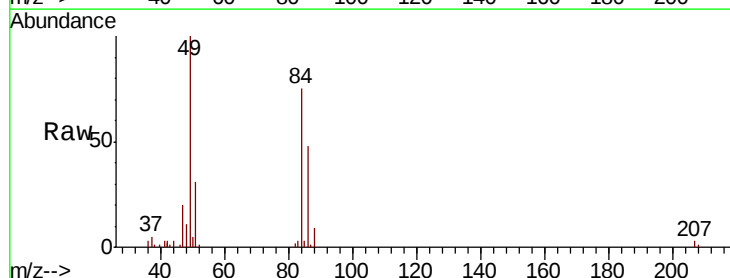
Ion Ratio Lower Upper

84 100

49 132.6 99.3 148.9

51 41.1 31.1 46.7

86 63.9 49.1 73.7

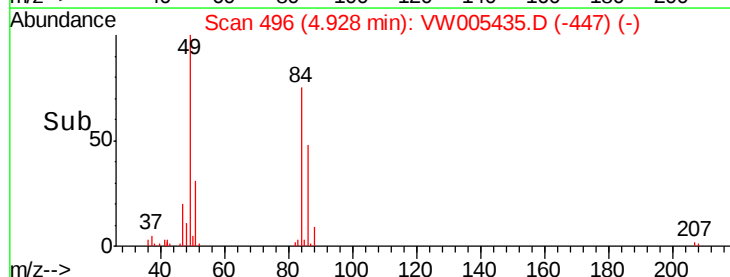
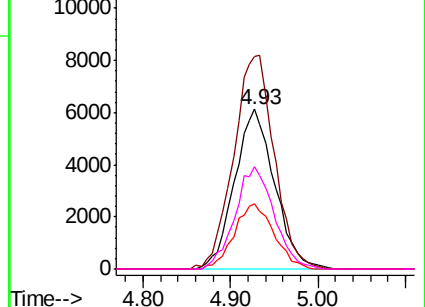


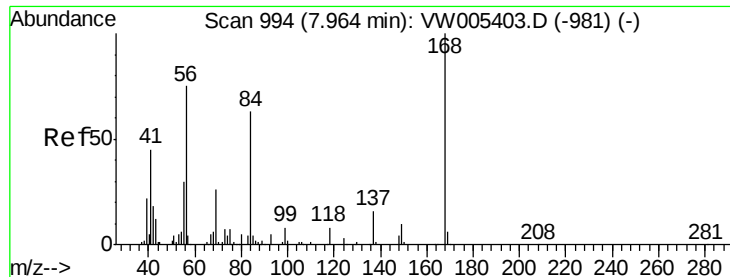
Abundance Ion 83.90 (83.60 to 84.60): VW

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

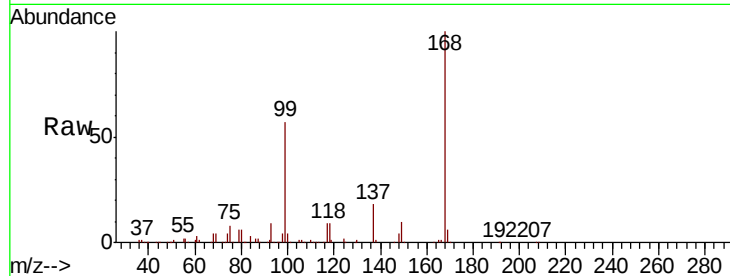




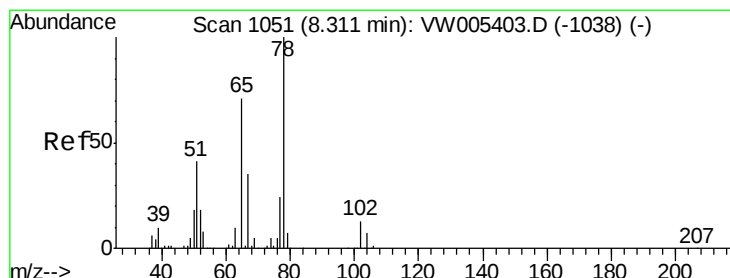
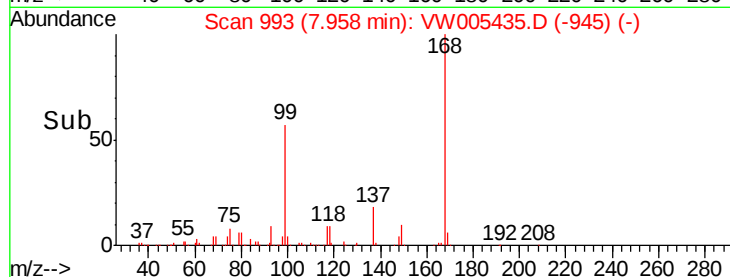
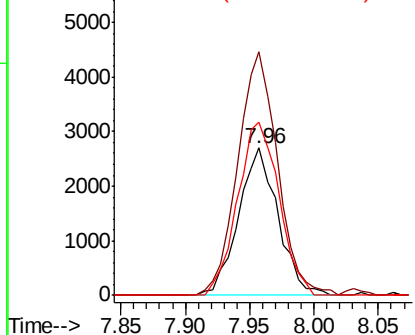
#31
Cyclohexane
Concen: 1.401 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005435.D
Acq: 17 Sep 2018 15:54

Instrument :
MSVOA_W
ClientSampleId :
COMP-1

Tgt Ion: 56 Resp: 5721
Ion Ratio Lower Upper
56 100
69 165.3 27.2 40.8#
84 117.4 66.7 100.1#

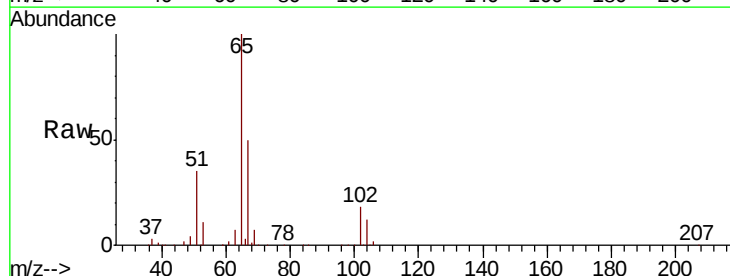


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

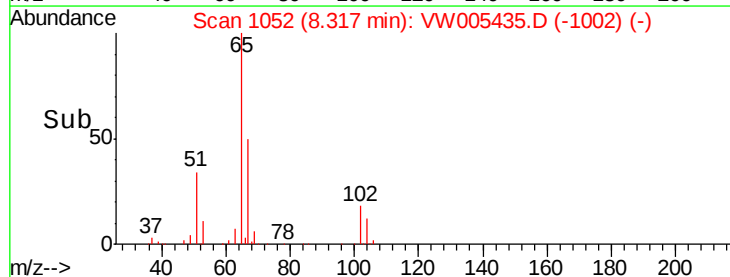
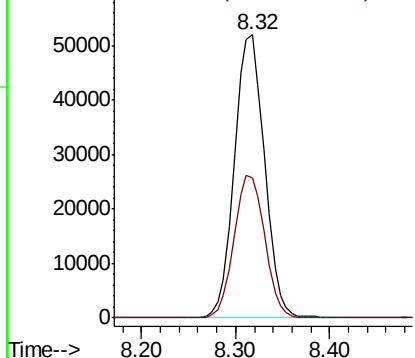


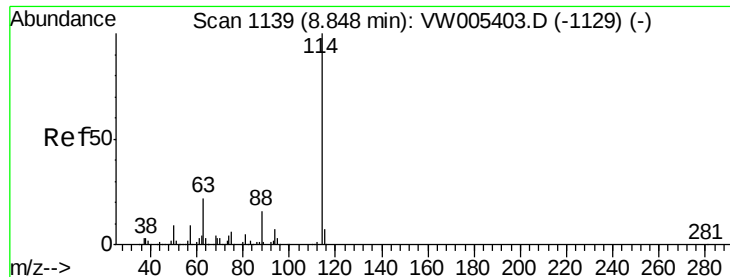
#33
1,2-Dichloroethane-d4
Concen: 45.108 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VW005435.D
Acq: 17 Sep 2018 15:54

Tgt Ion: 65 Resp: 115373
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

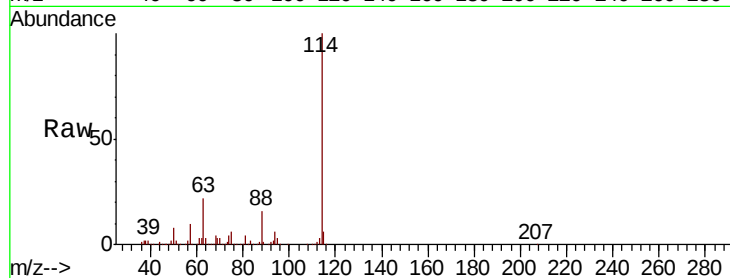




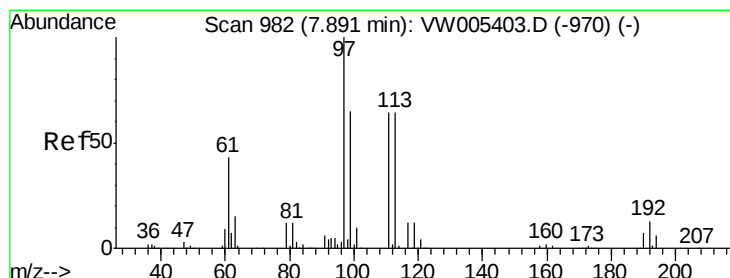
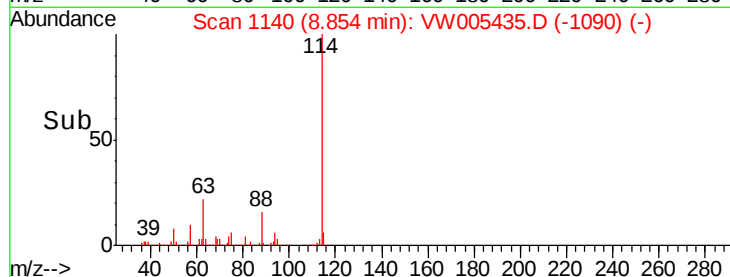
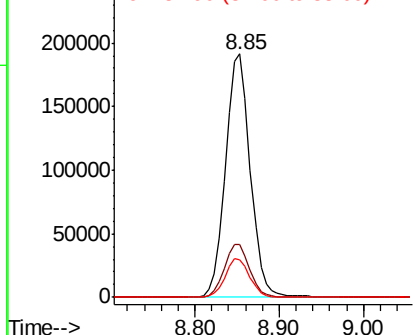
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005435.D
 Acq: 17 Sep 2018 15:54

Instrument :
 MSVOA_W
 ClientSampleId :
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Tgt Ion:114 Resp: 384928
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 15.6 0.0 31.8

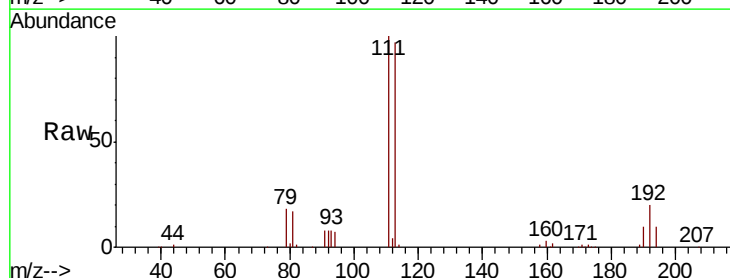


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

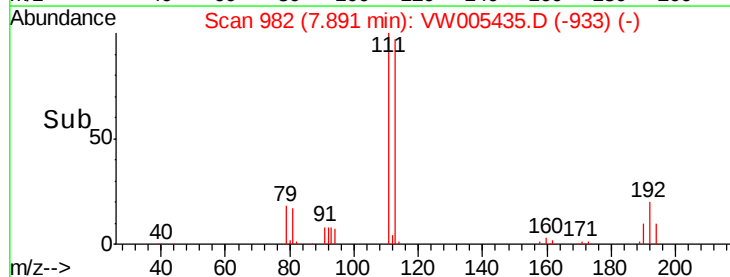
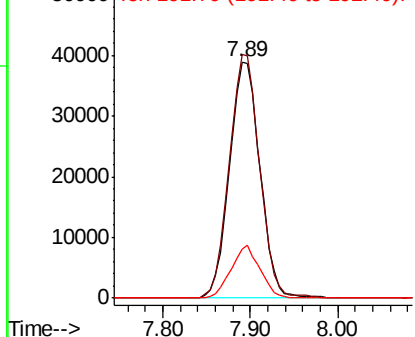


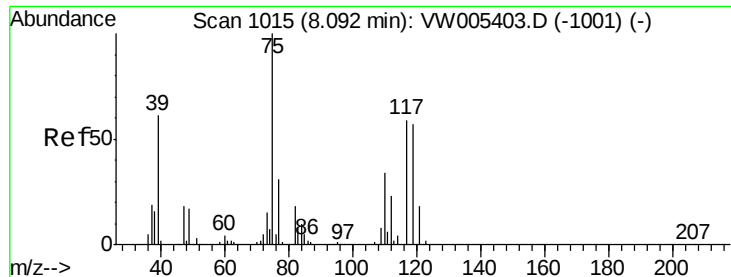
#35
 Dibromofluoromethane
 Concen: 43.730 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005435.D
 Acq: 17 Sep 2018 15:54

Tgt Ion:113 Resp: 94379
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.3 123.5
 192 21.1 16.5 24.7



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

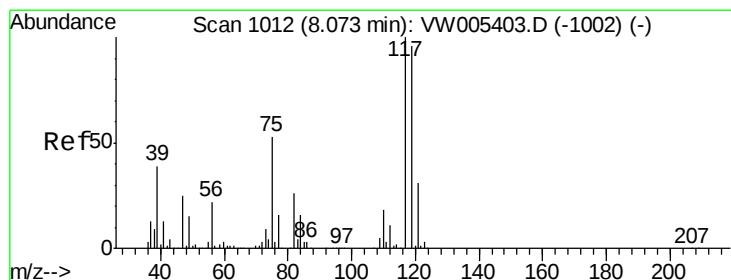
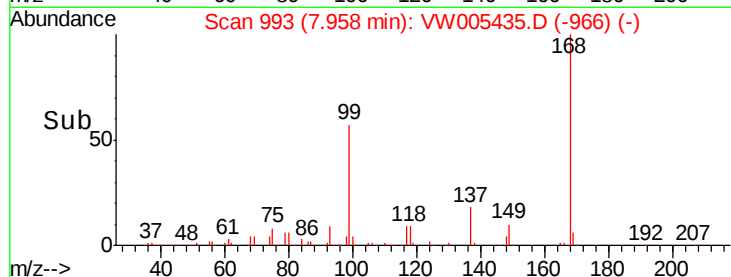
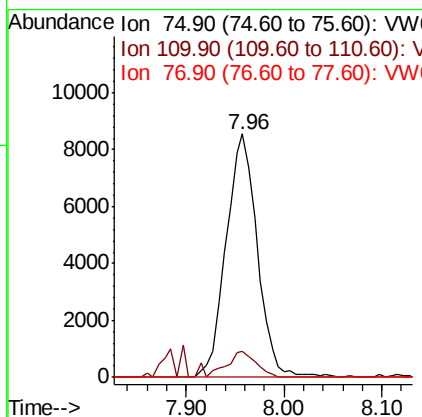
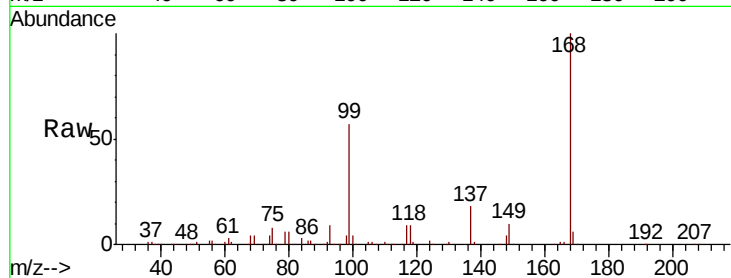




#36
 1,1-Dichloropropene
 Concen: 5.204 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005435.D
 Acq: 17 Sep 2018 15:54

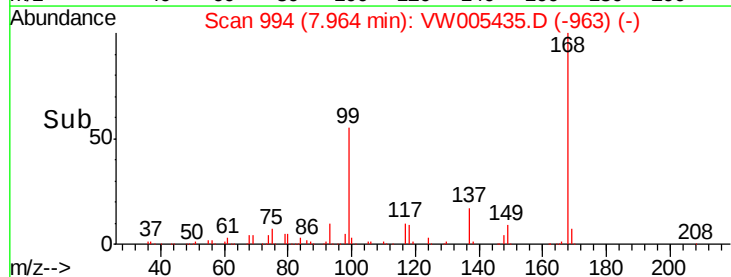
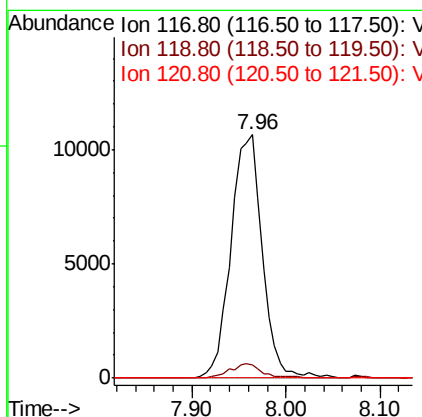
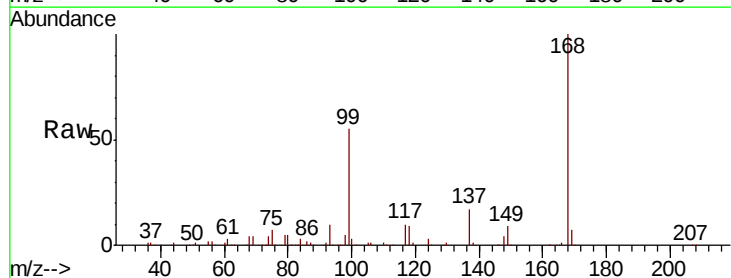
Instrument :
 MSVOA_W
 ClientSampled :
 COMP-1

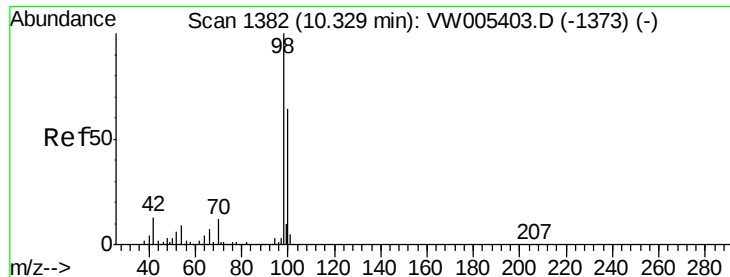
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.8	50.4#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.508 ug/l
 RT: 7.96 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VW005435.D
 Acq: 17 Sep 2018 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.8	115.2#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 41.619 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005435.D

Acq: 17 Sep 2018 15:54

Instrument :

MSVOA_W

ClientSampleId :

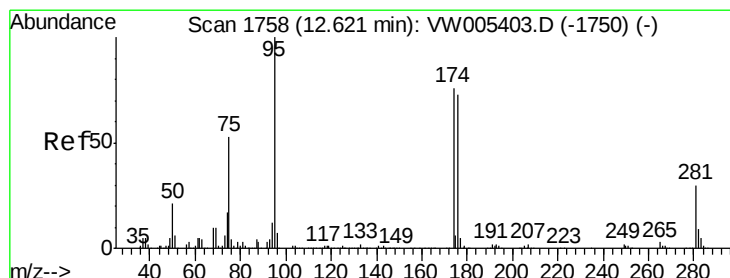
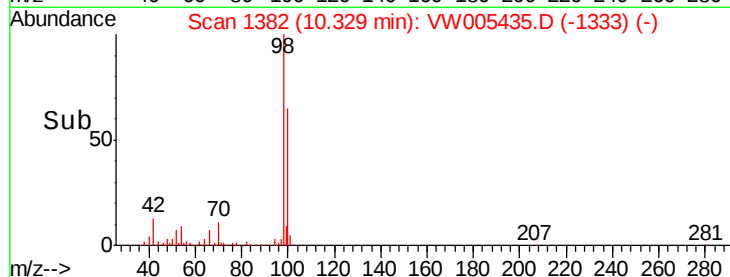
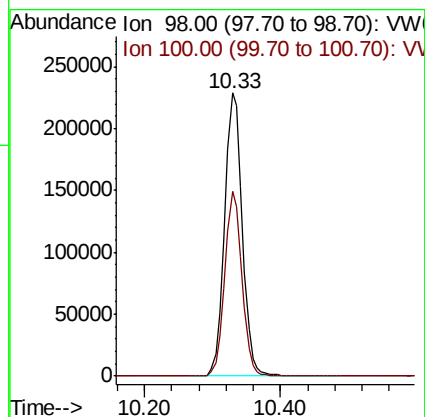
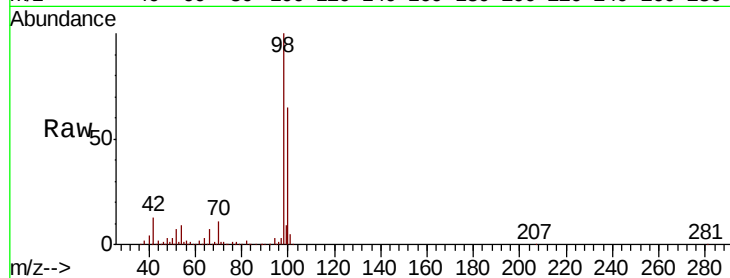
COMP-1

Tgt Ion: 98 Resp: 411347

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 41.804 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005435.D

Acq: 17 Sep 2018 15:54

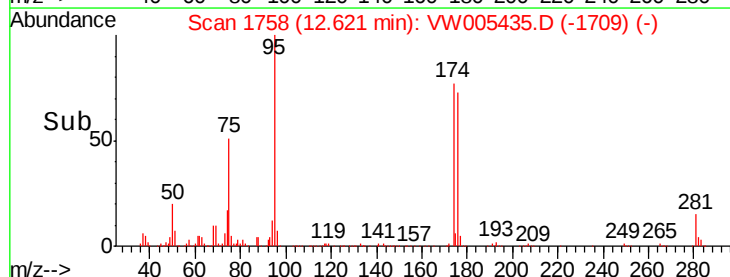
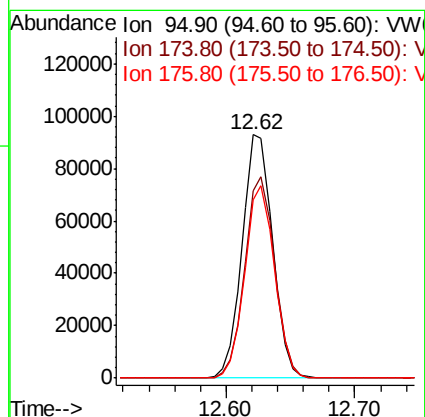
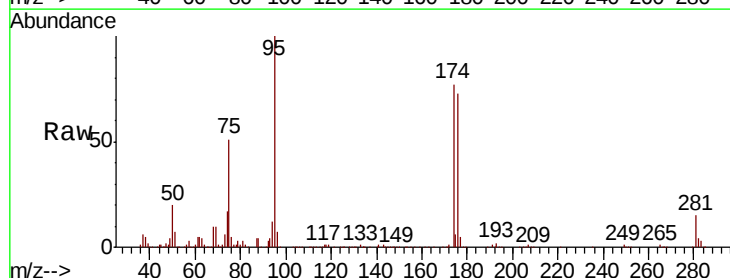
Tgt Ion: 95 Resp: 151499

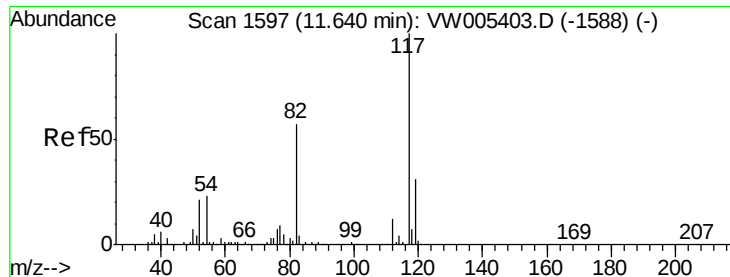
Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.2

176 77.4 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005435.D

Acq: 17 Sep 2018 15:54

Instrument :

MSVOA_W

ClientSampleId :

COMP-1

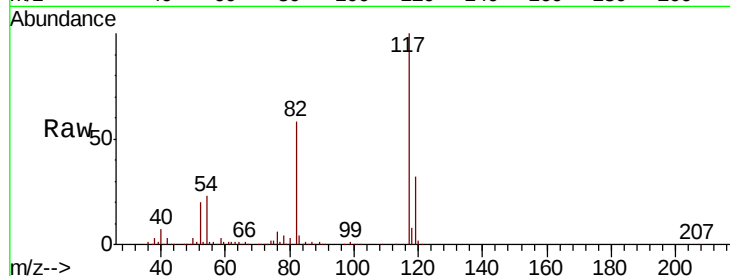
Tgt Ion:117 Resp: 373772

Ion Ratio Lower Upper

117 100

82 57.5 45.9 68.9

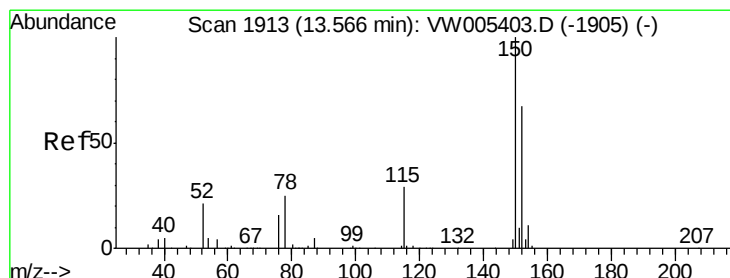
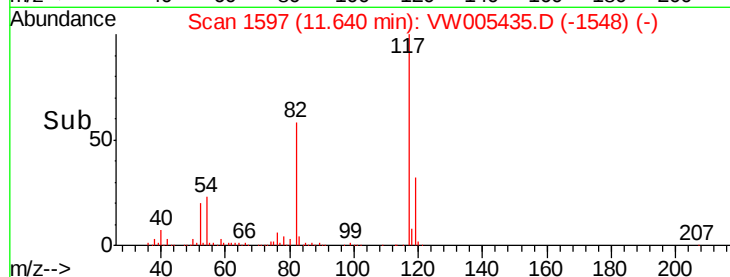
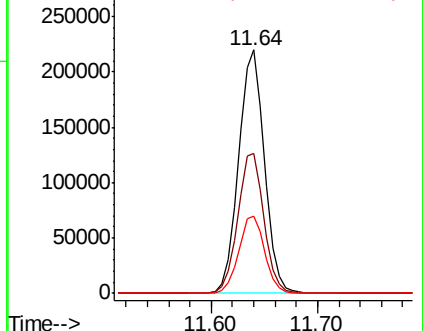
119 31.6 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005435.D

Acq: 17 Sep 2018 15:54

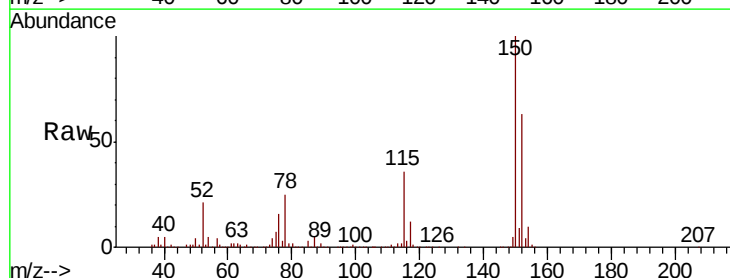
Tgt Ion:152 Resp: 191437

Ion Ratio Lower Upper

152 100

115 58.8 29.5 88.5

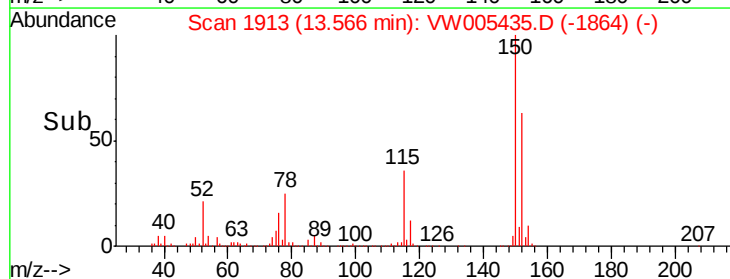
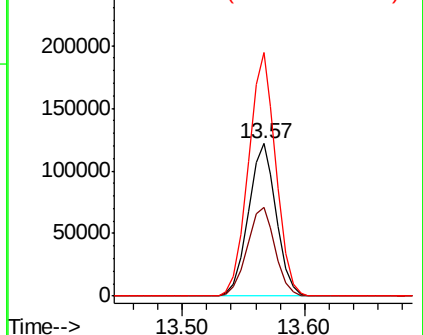
150 157.7 0.0 345.6

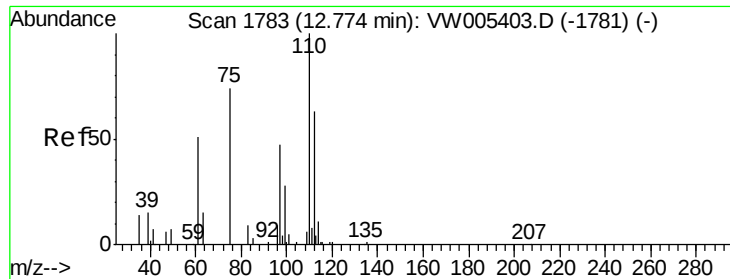


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

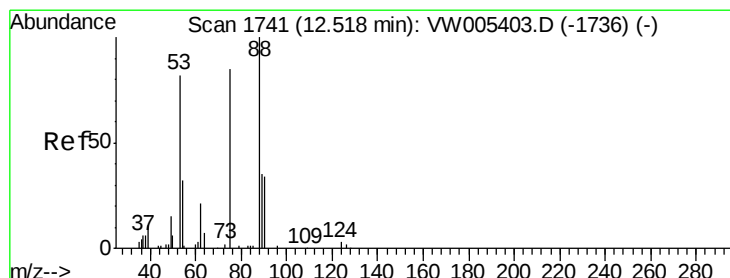
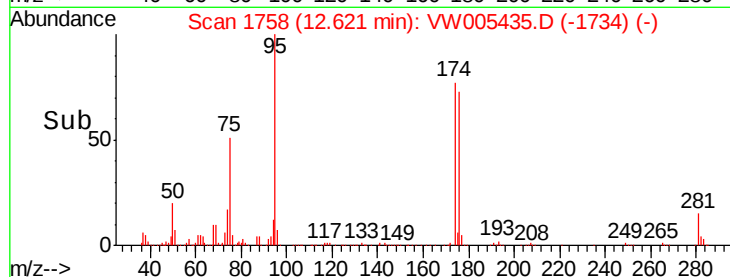
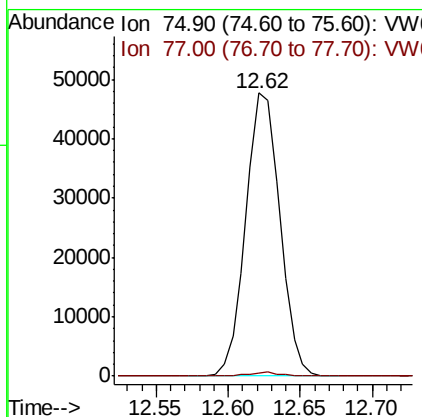
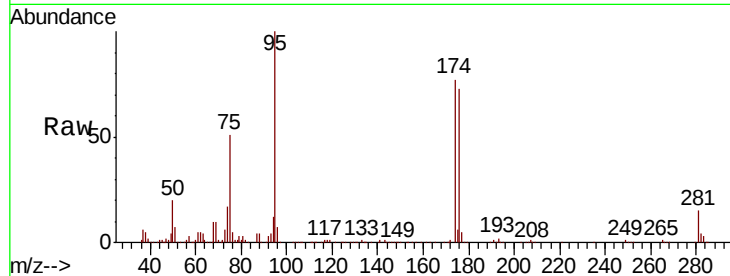




#76
 1,2,3-Trichloropropane
 Concen: 49.854 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005435.D
 Acq: 17 Sep 2018 15:54

Instrument :
 MSVOA_W
 ClientSampled :
 COMP-1

Tgt Ion: 75 Resp: 78497
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.325 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005435.D
 Acq: 17 Sep 2018 15:54

Tgt Ion: 75 Resp: 78497
 Ion Ratio Lower Upper
 75 100
 53 0.2 83.2 124.8#
 89 0.2 36.6 54.8#

