

Data File : VW008619.D
Acq On : 12 Feb 2019 13:38
Operator : SY/VA
Sample : K1454-01
Misc : 6.39G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-1

Quant Time: Feb 13 00:20:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	397738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	623944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	525741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	192427	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	218369	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	
35) Dibromofluoromethane	7.88	113	201407	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	
50) Toluene-d8	10.32	98	738714	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.62	95	222640	39.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.18%	

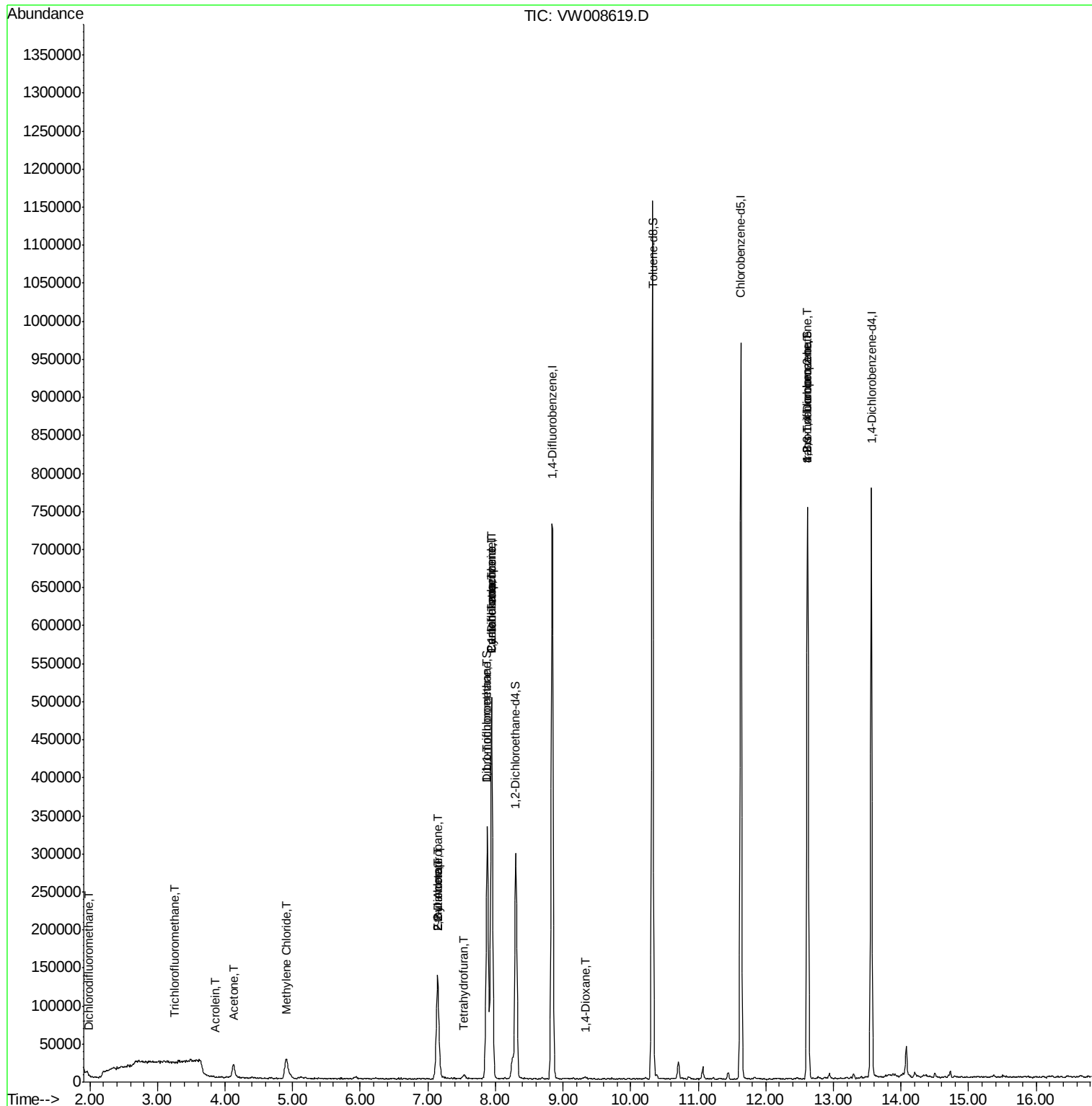
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	53	3.274	ug/l #	41
7) Trichlorofluoromethane	3.25	101	56	4.739	ug/l #	46
13) Acrolein	3.86	56	299	5.245	ug/l #	48
16) Acetone	4.12	43	33060	37.677	ug/l	99
20) Methylene Chloride	4.91	84	22580	5.583	ug/l	90
25) 2-Butanone	7.15	43	8905	7.306	ug/l #	69
26) 2,2-Dichloropropane	7.14	77	9201	1.835	ug/l #	53
29) Tetrahydrofuran	7.53	42	4606	5.964	ug/l #	77
31) Cyclohexane	7.94	56	9466	1.234	ug/l #	24
32) 1,1,1-Trichloroethane	7.87	97	28230	4.481	ug/l	100
36) 1,1-Dichloropropene	7.94	75	28619	4.856	ug/l #	52
37) Ethyl Acetate	7.15	43	8905	3.415	ug/l #	12
38) Carbon Tetrachloride	7.95	117	36978	6.235	ug/l #	16
49) 1,4-Dioxane	9.32	88	56	1.580	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	114736	68.580	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	114736	135.451	ug/l #	12

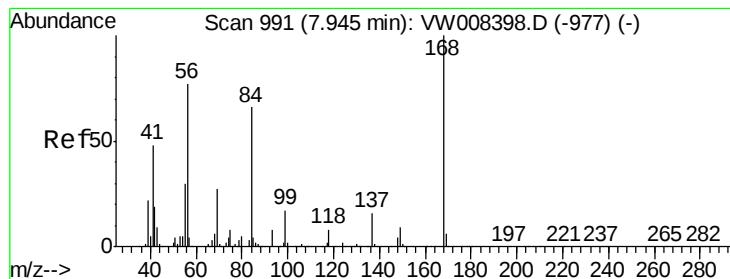
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008619.D

Acq: 12 Feb 2019 13:38

Instrument :

MSVOA_W

ClientSampled :

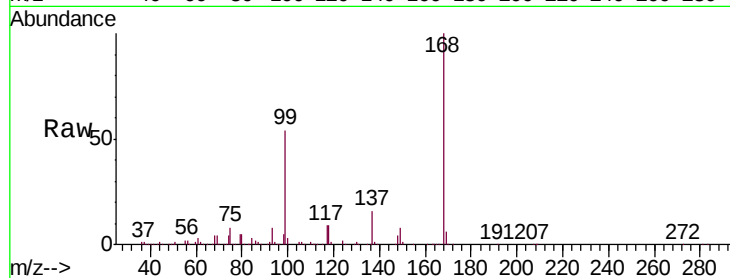
TP-1

Tgt Ion: 168 Resp: 397738

Ion Ratio Lower Upper

168 100

99 54.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

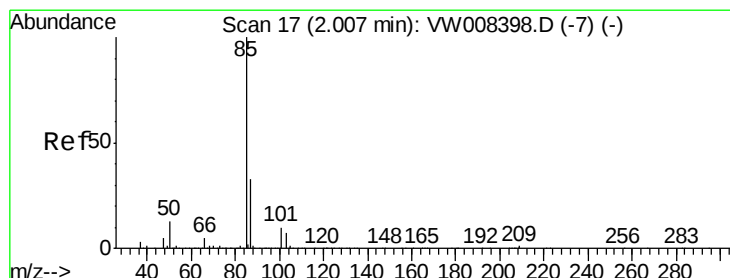
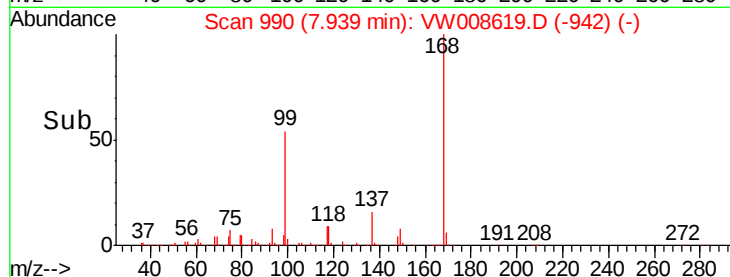
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.274 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW008619.D

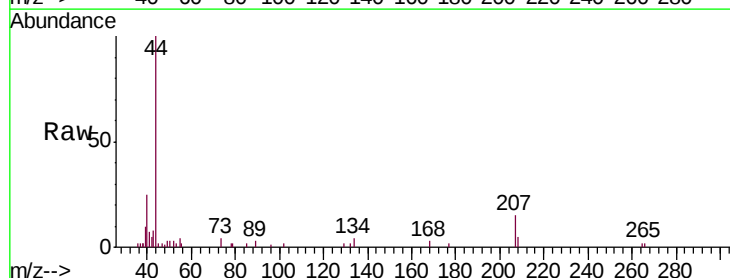
Acq: 12 Feb 2019 13:38

Tgt Ion: 85 Resp: 53

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80

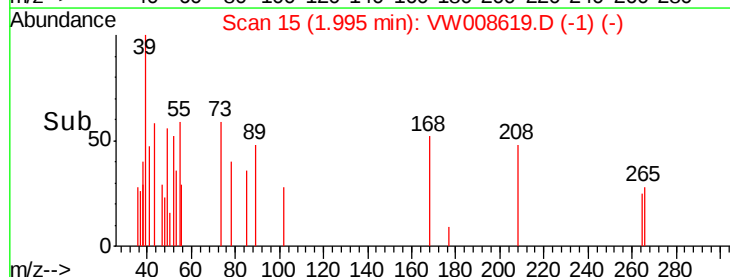
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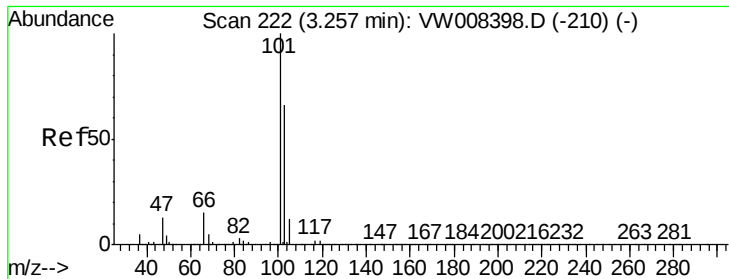
40

20

0

Time-->



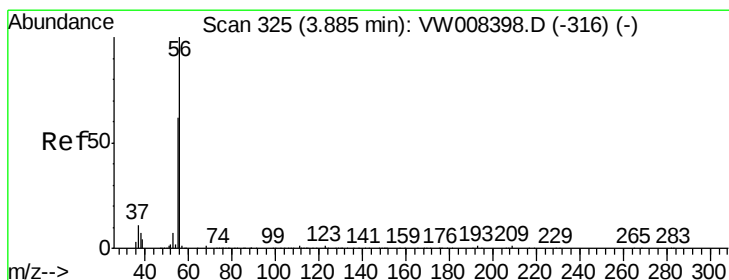
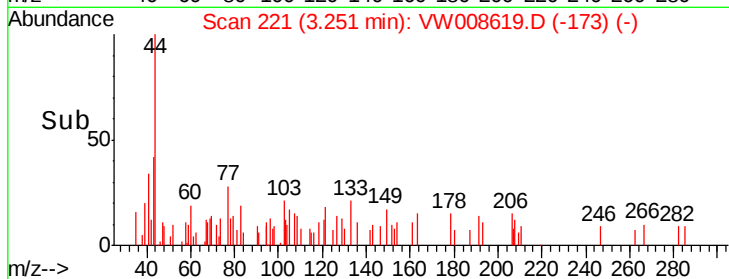
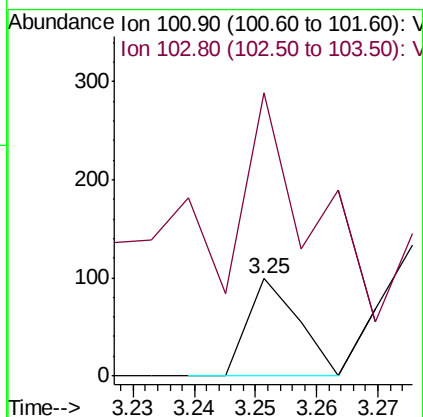
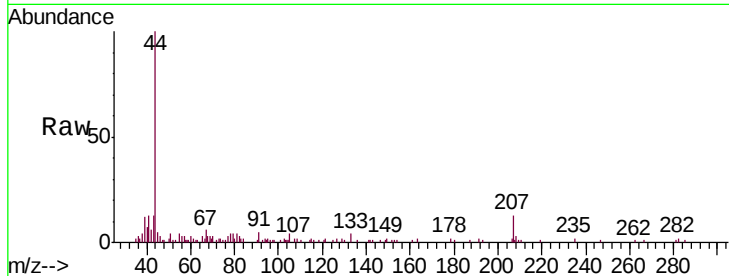


#7

Trichlorofluoromethane
 Concen: 4.739 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008619.D
 Acq: 12 Feb 2019 13:38

Instrument :
 MSVOA_W
 ClientSampled :
 TP-1

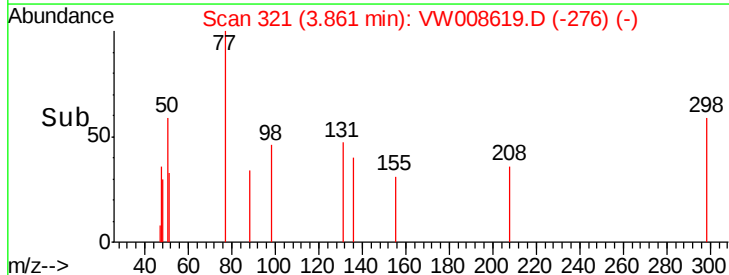
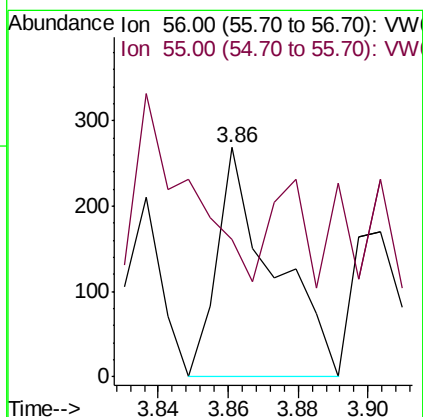
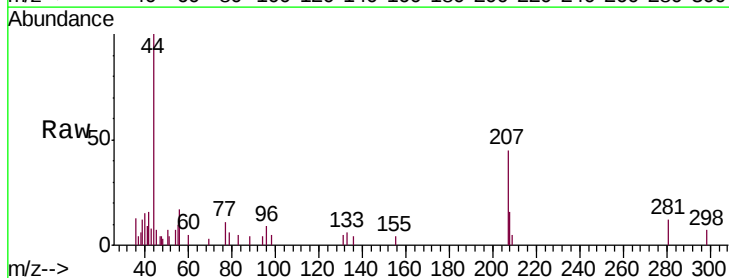
Tgt Ion: 101 Resp: 56
 Ion Ratio Lower Upper
 101 100
 103 108.1 52.5 78.7#

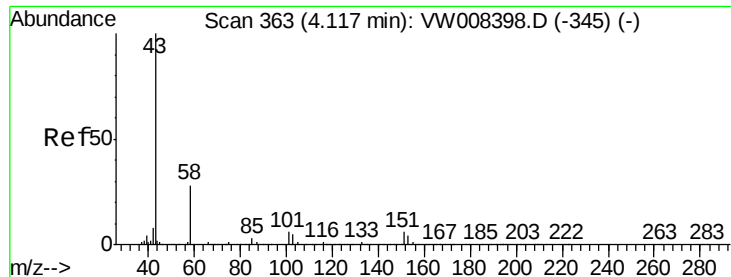


#13

Acrolein
 Concen: 5.245 ug/l
 RT: 3.86 min Scan# 321
 Delta R.T. -0.02 min
 Lab File: VW008619.D
 Acq: 12 Feb 2019 13:38

Tgt Ion: 56 Resp: 299
 Ion Ratio Lower Upper
 56 100
 55 27.8 56.7 85.1#

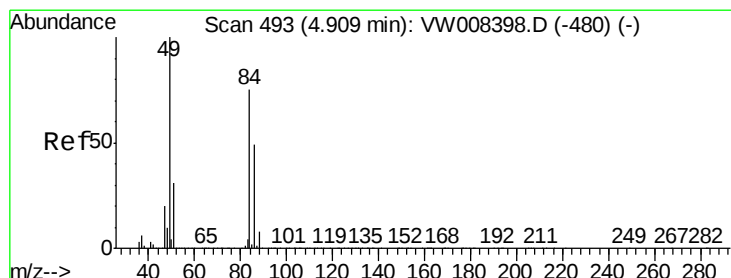
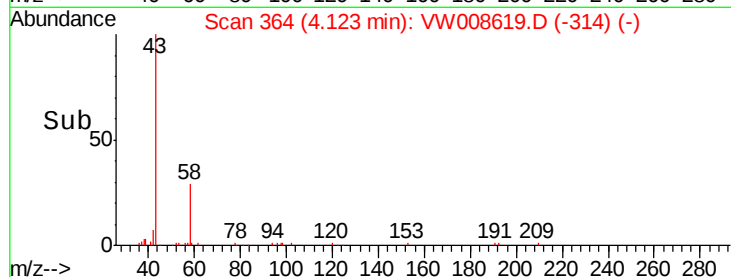
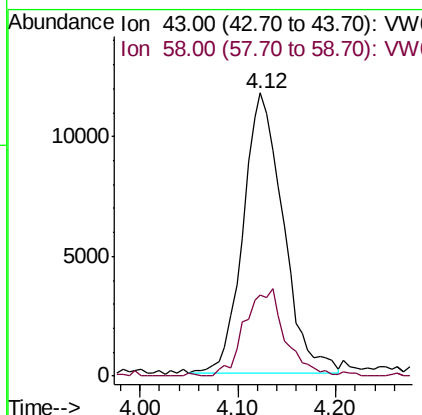
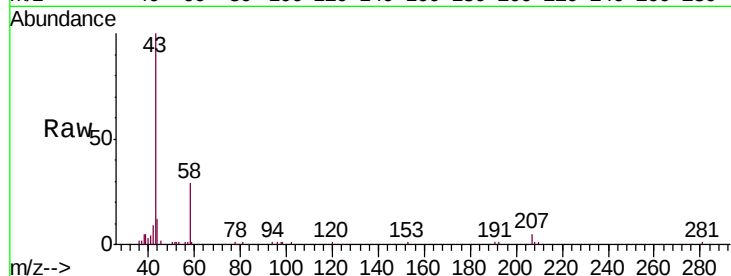




#16
Acetone
Concen: 37.677 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008619.D
Acq: 12 Feb 2019 13:38

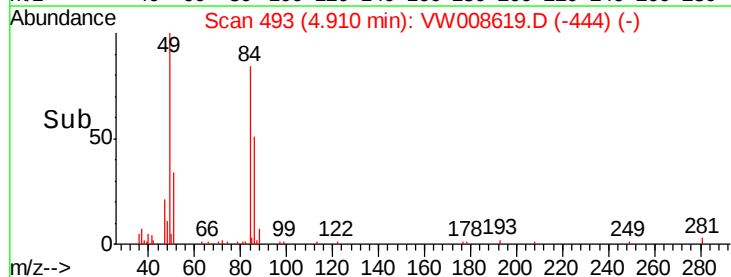
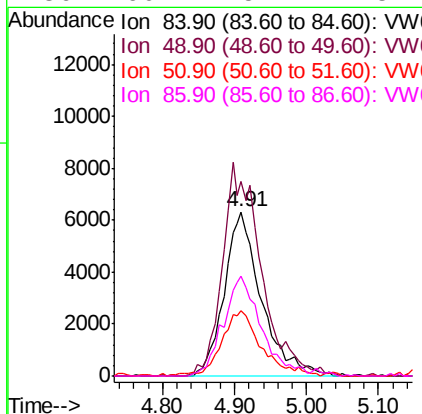
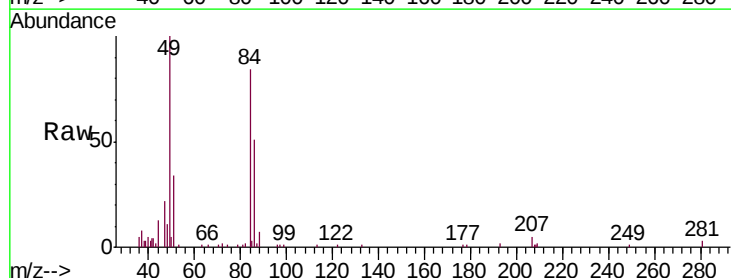
Instrument :
MSVOA_W
ClientSampleId :
TP-1

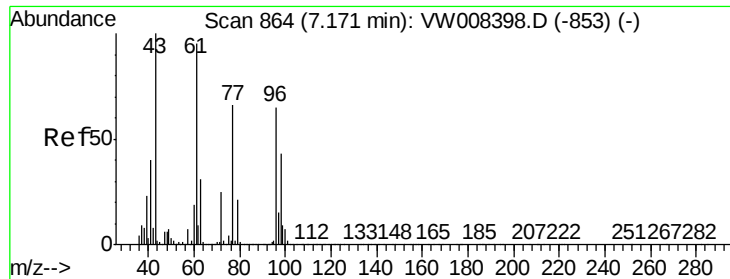
Tgt Ion: 43 Resp: 33060
Ion Ratio Lower Upper
43 100
58 28.6 22.6 34.0



#20
Methylene Chloride
Concen: 5.583 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008619.D
Acq: 12 Feb 2019 13:38

Tgt Ion: 84 Resp: 22580
Ion Ratio Lower Upper
84 100
49 117.7 106.8 160.2
51 38.8 32.9 49.3
86 60.7 52.2 78.2





#25

2-Butanone

Concen: 7.306 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008619.D

Acq: 12 Feb 2019 13:38

Instrument :

MSVOA_W

ClientSampleId :

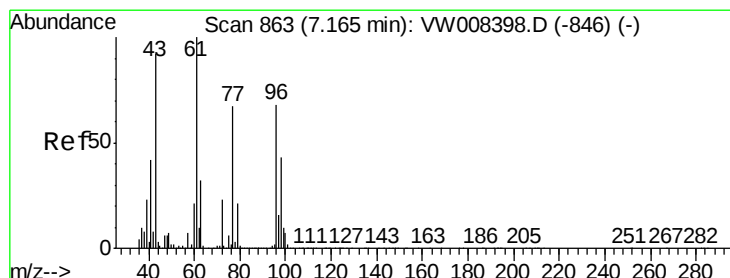
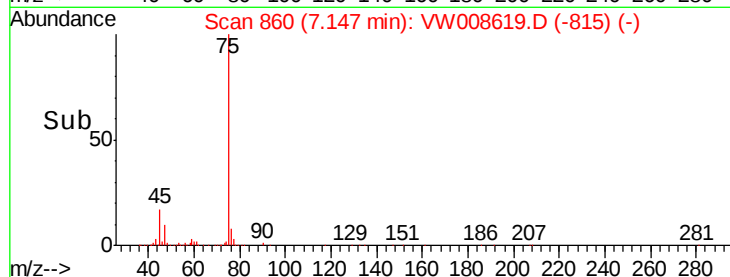
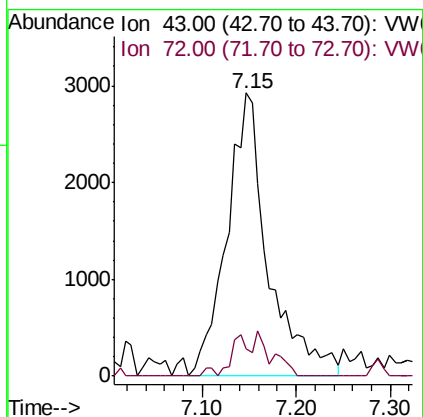
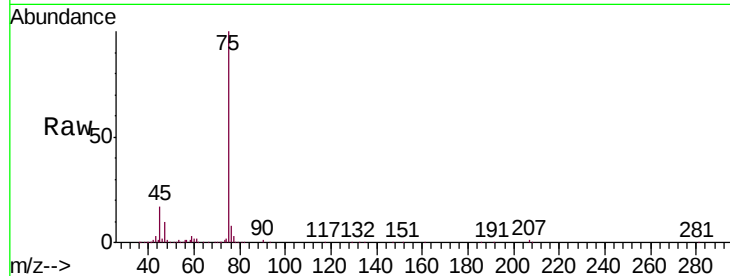
TP-1

Tgt Ion: 43 Resp: 8905

Ion Ratio Lower Upper

43 100

72 9.5 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 1.835 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW008619.D

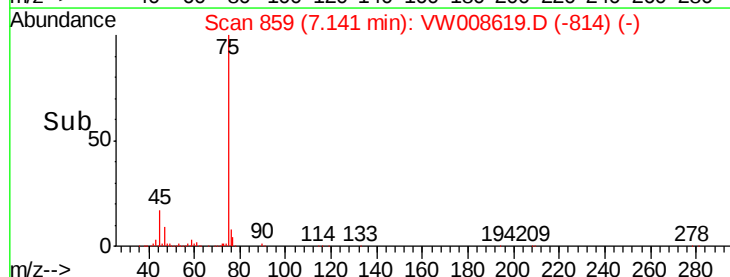
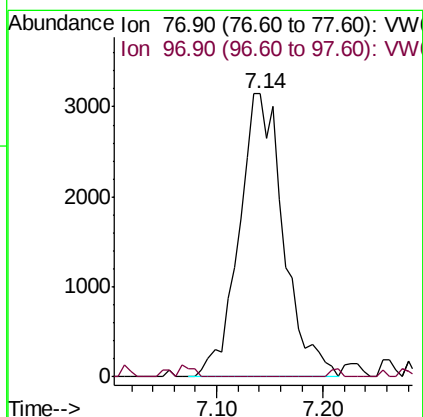
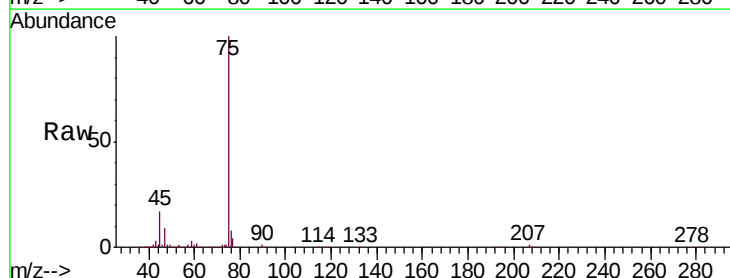
Acq: 12 Feb 2019 13:38

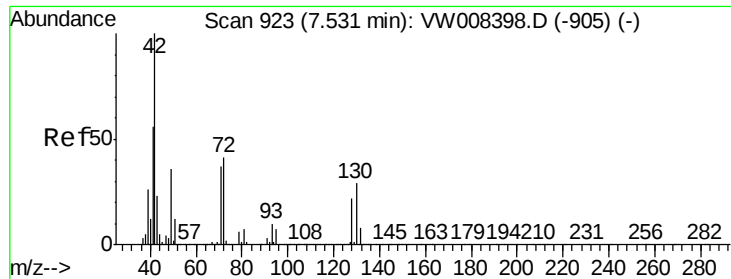
Tgt Ion: 77 Resp: 9201

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.5#

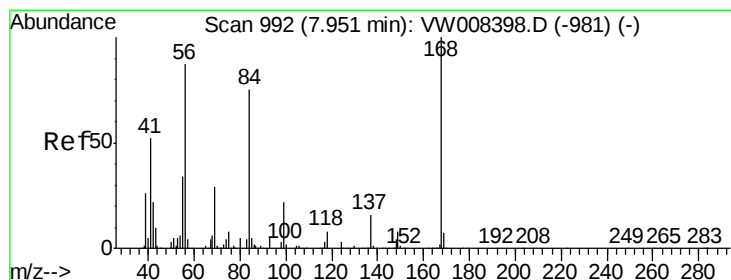
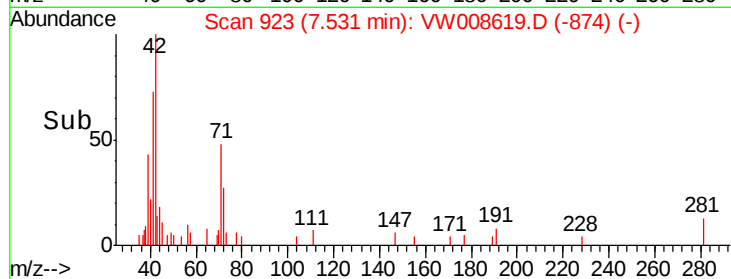
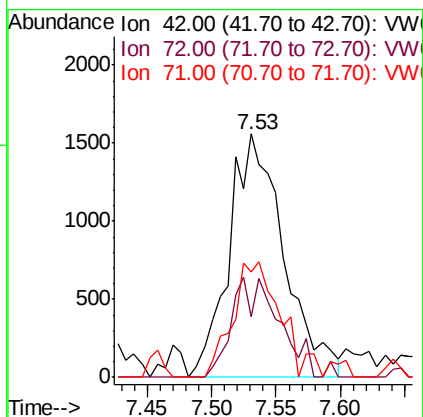
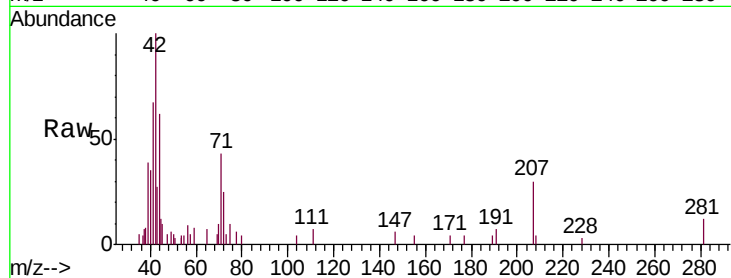




#29
Tetrahydrofuran
Concen: 5.964 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008619.D
Acq: 12 Feb 2019 13:38

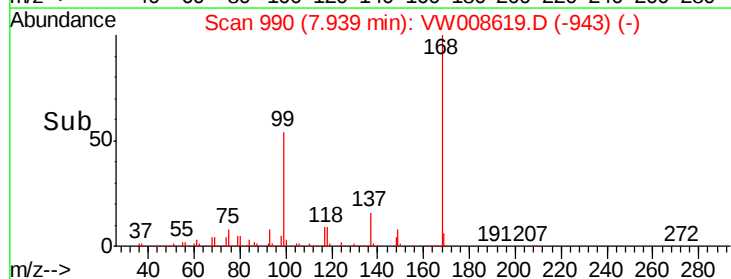
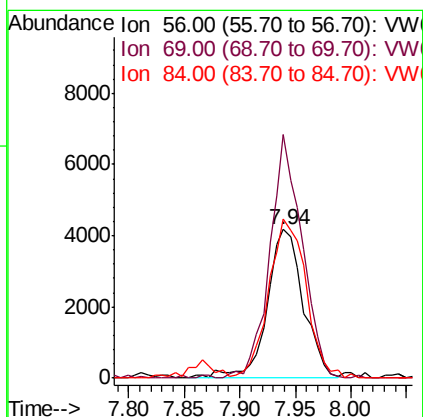
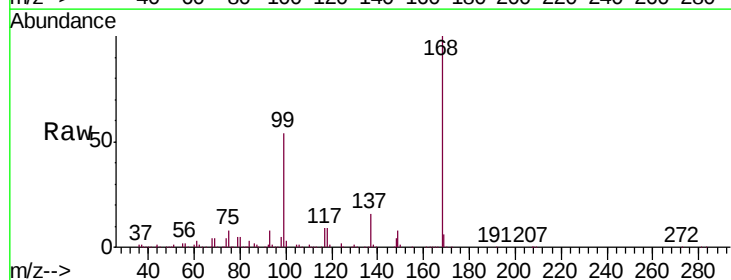
Instrument :
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ClientSampleId :
TP-1

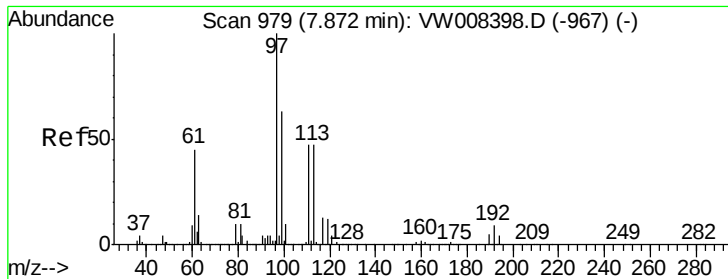
Tgt Ion: 42 Resp: 4606
Ion Ratio Lower Upper
42 100
72 15.9 31.9 47.9#
71 41.5 29.9 44.9



#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008619.D
Acq: 12 Feb 2019 13:38

Tgt Ion: 56 Resp: 9466
Ion Ratio Lower Upper
56 100
69 163.6 26.4 39.6#
84 102.1 69.1 103.7





#32

1,1,1-Trichloroethane

Concen: 4.481 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008619.D

Acq: 12 Feb 2019 13:38

Instrument :

MSVOA_W

ClientSampled :

TP-1

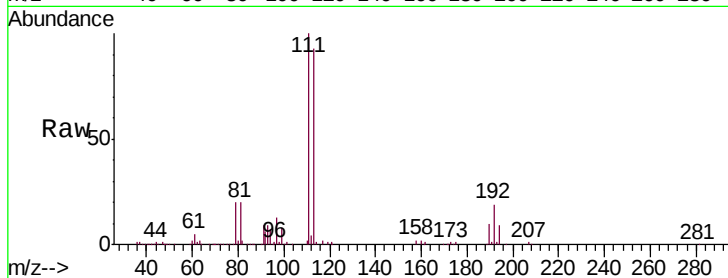
Tgt Ion: 97 Resp: 28230

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

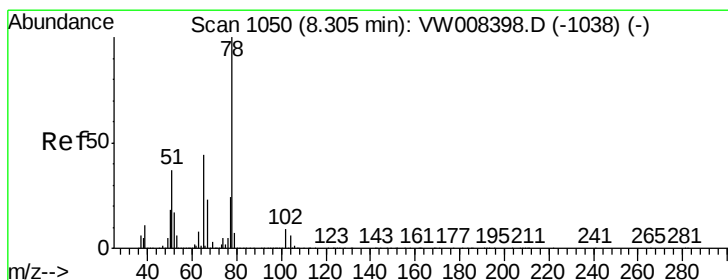
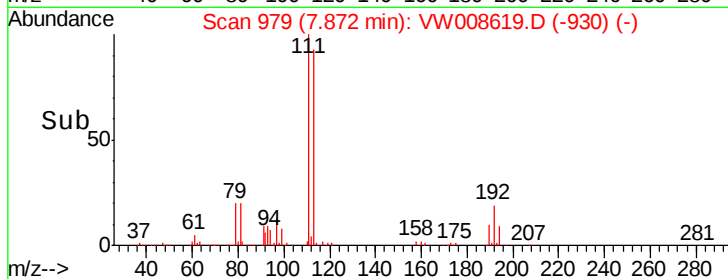
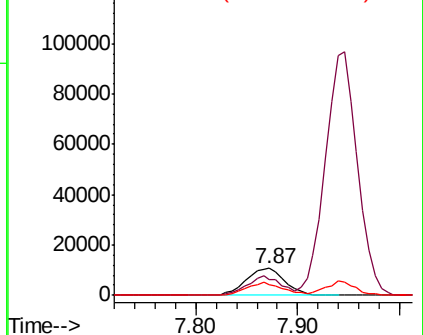
61 44.6 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 55.886 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008619.D

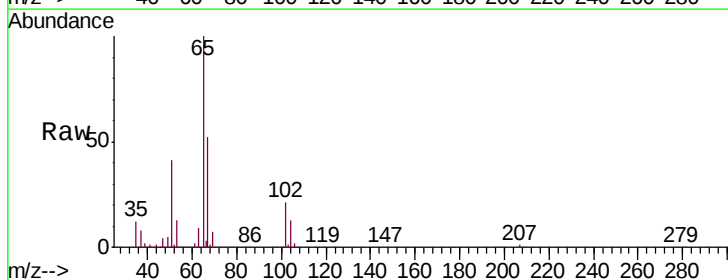
Acq: 12 Feb 2019 13:38

Tgt Ion: 65 Resp: 218369

Ion Ratio Lower Upper

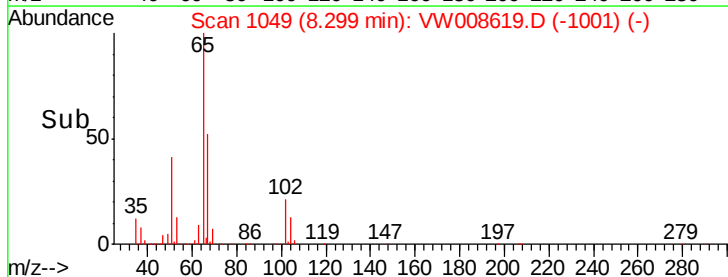
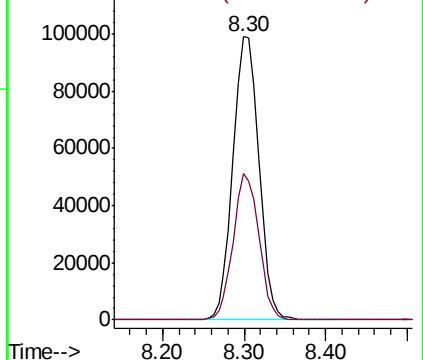
65 100

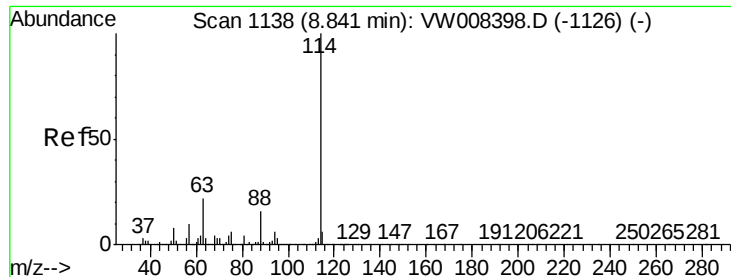
67 51.2 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

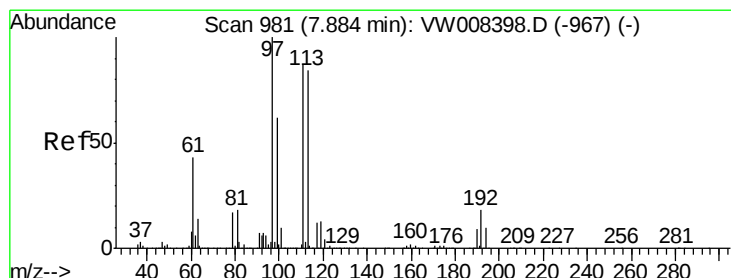
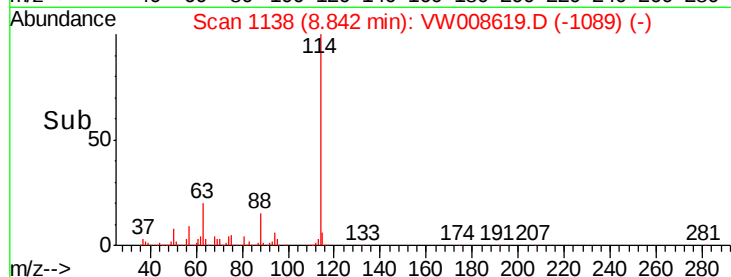
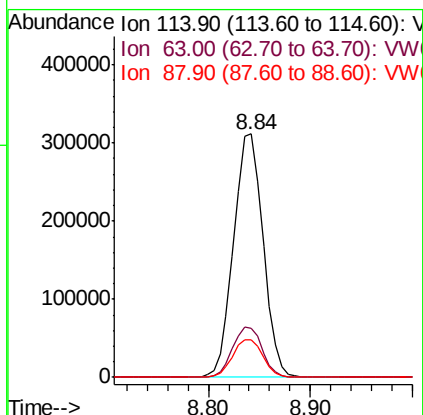
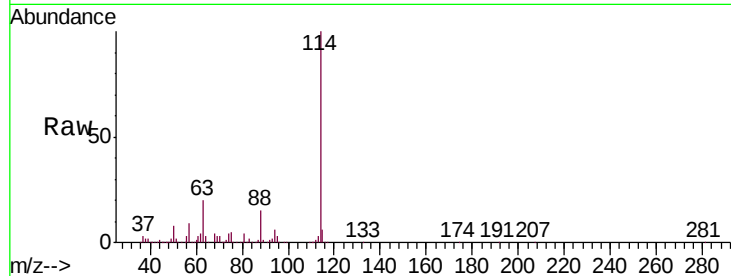




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008619.D
 Acq: 12 Feb 2019 13:38

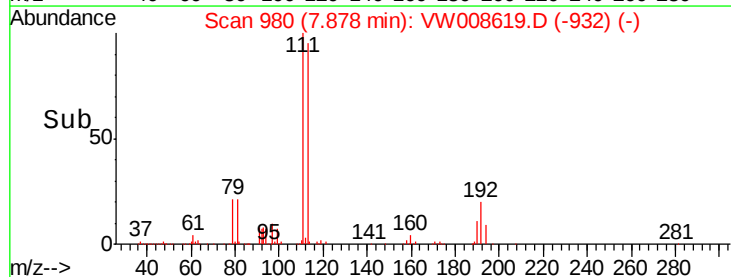
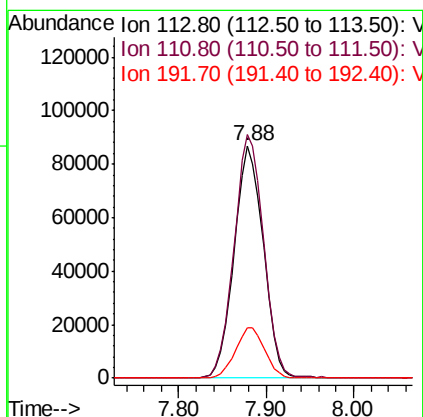
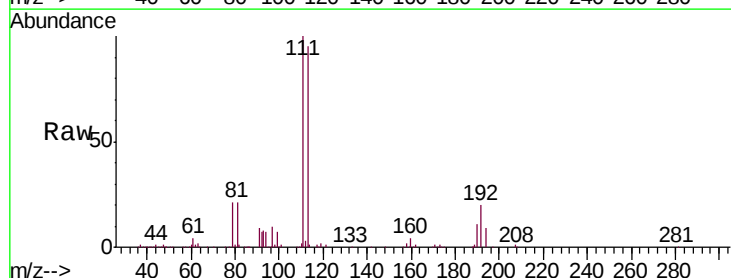
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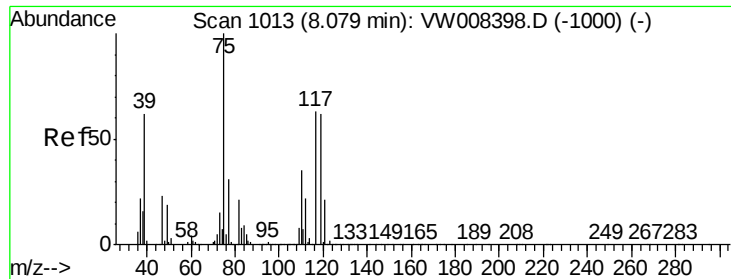
Tgt Ion:114 Resp: 623944
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.6
 88 15.2 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 55.204 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008619.D
 Acq: 12 Feb 2019 13:38

Tgt Ion:113 Resp: 201407
 Ion Ratio Lower Upper
 113 100
 111 106.4 81.0 121.4
 192 21.6 16.8 25.2

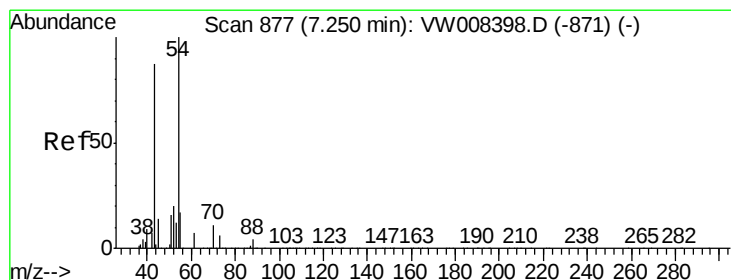
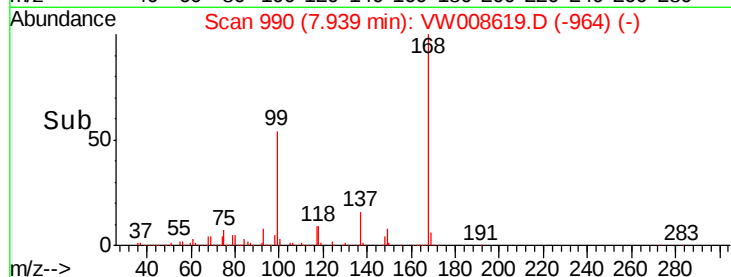
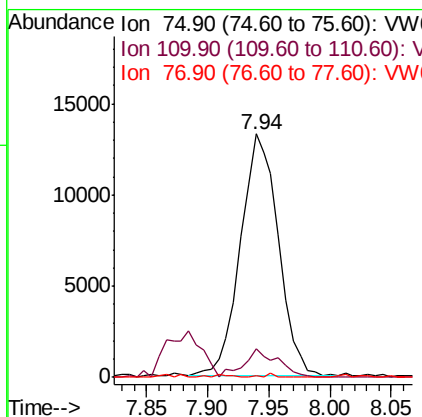
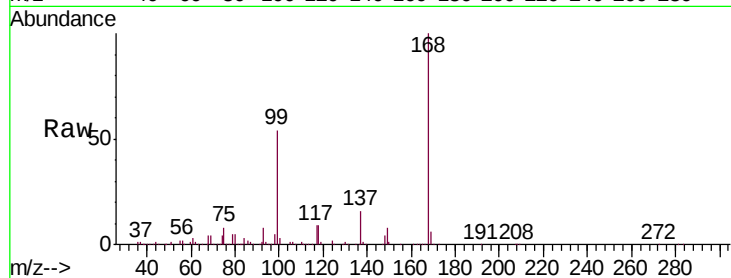




#36
 1,1-Dichloropropene
 Concen: 4.856 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008619.D
 Acq: 12 Feb 2019 13:38

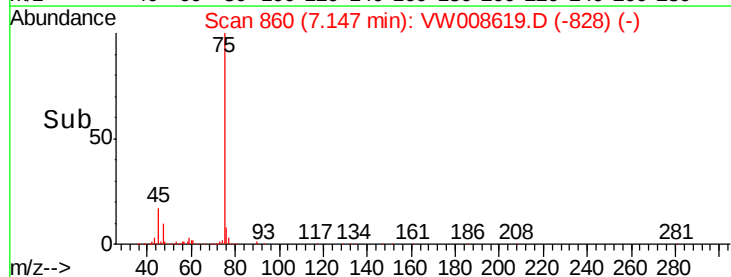
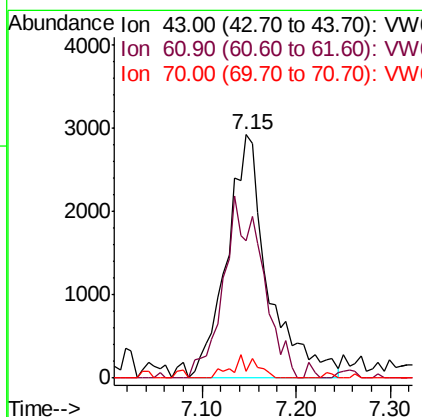
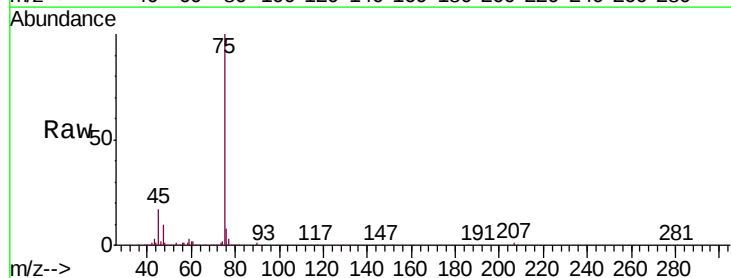
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

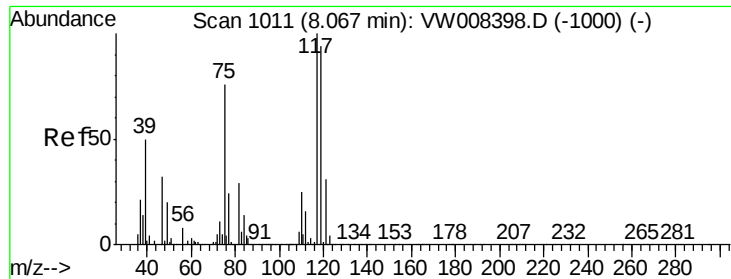
Tgt Ion: 75 Resp: 28619
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.3 52.0#
 77 0.5 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 3.415 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.10 min
 Lab File: VW008619.D
 Acq: 12 Feb 2019 13:38

Tgt Ion: 43 Resp: 8905
 Ion Ratio Lower Upper
 43 100
 61 70.2 10.1 15.1#
 70 5.3 7.8 11.6#

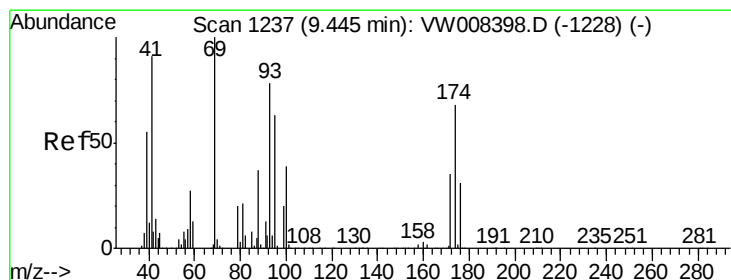
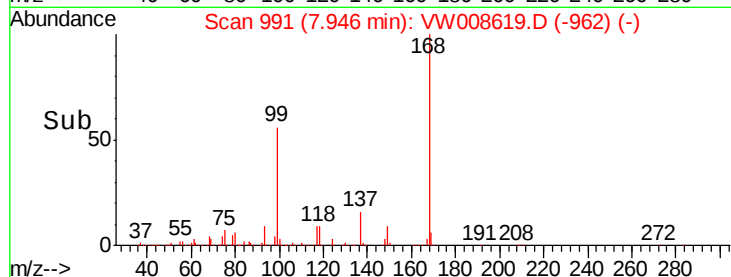
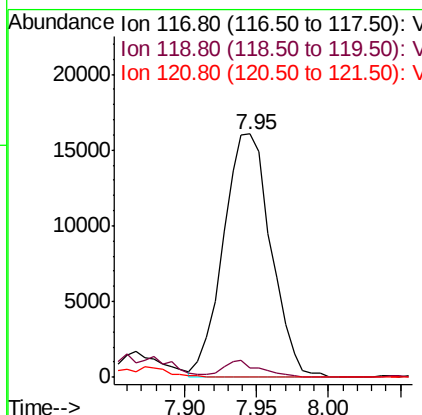
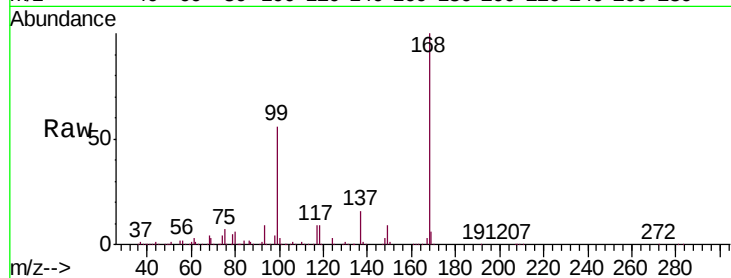




#38
Carbon Tetrachloride
Concen: 6.235 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008619.D
Acq: 12 Feb 2019 13:38

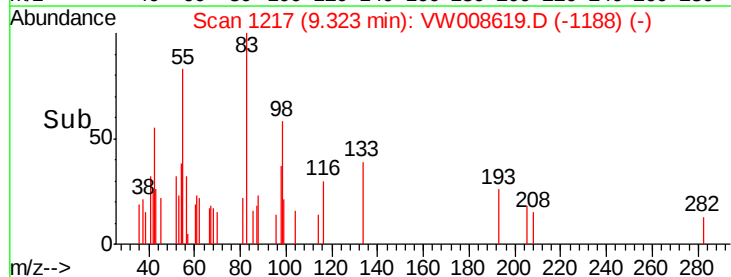
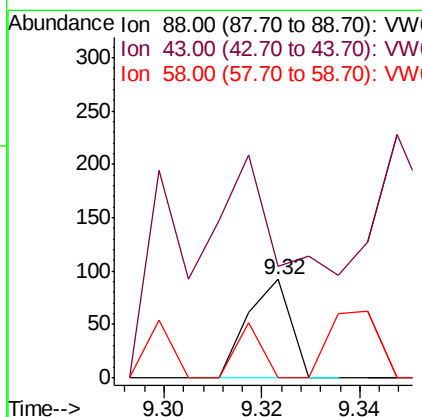
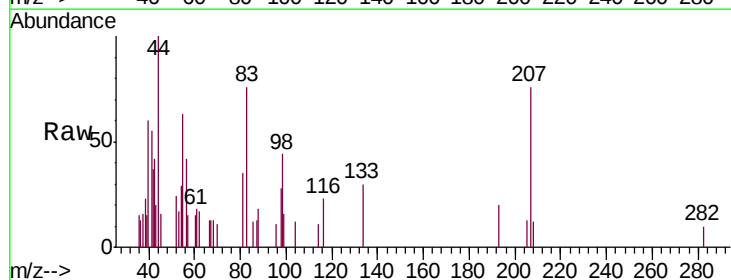
Instrument :
MSVOA_W
ClientSampled :
TP-1

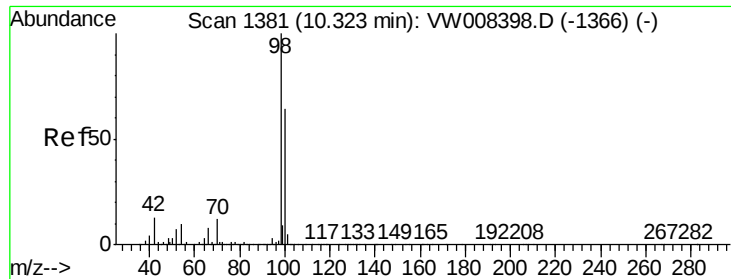
Tgt Ion:117 Resp: 36978
Ion Ratio Lower Upper
117 100
119 3.9 75.0 112.4#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 1.580 ug/l
RT: 9.32 min Scan# 1217
Delta R.T. -0.12 min
Lab File: VW008619.D
Acq: 12 Feb 2019 13:38

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 625.0 29.0 43.4#
58 33.9 56.4 84.6#





#50

Toluene-d8

Concen: 50.492 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008619.D

Acq: 12 Feb 2019 13:38

Instrument :

MSVOA_W

ClientSampleId :

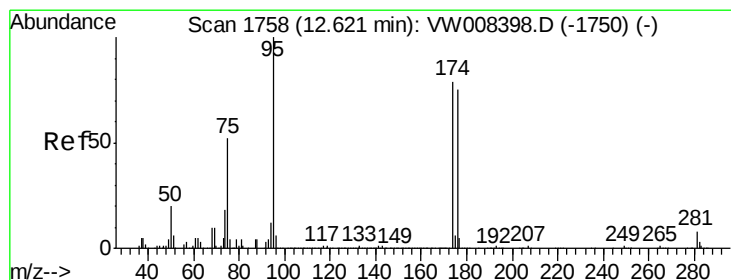
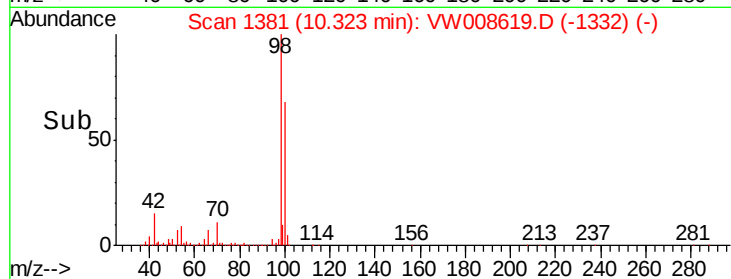
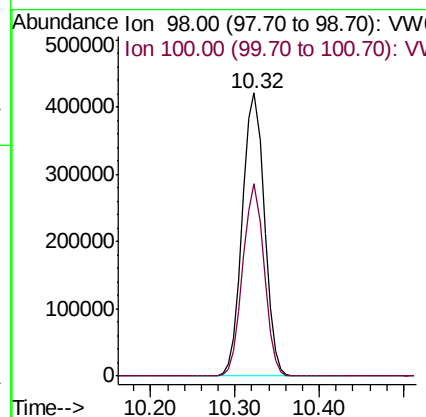
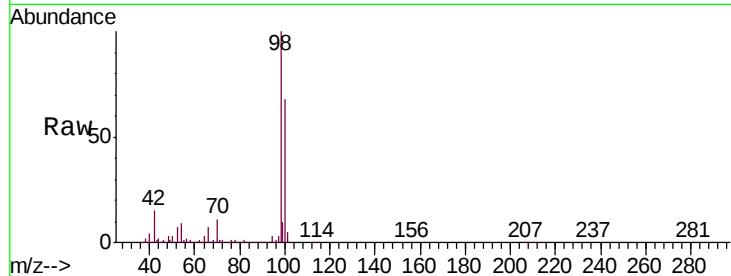
TP-1

Tgt Ion: 98 Resp: 738714

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 39.590 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008619.D

Acq: 12 Feb 2019 13:38

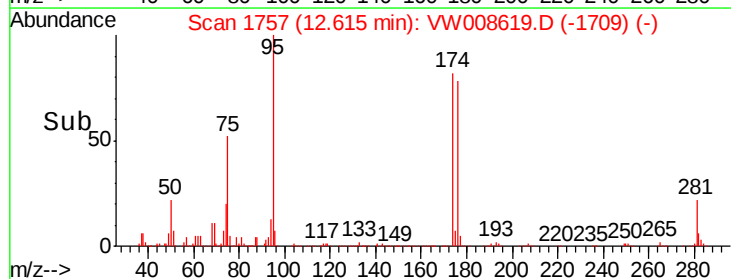
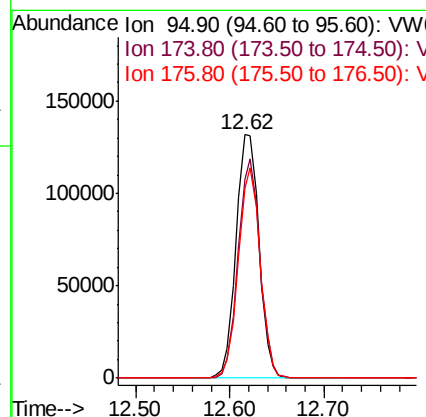
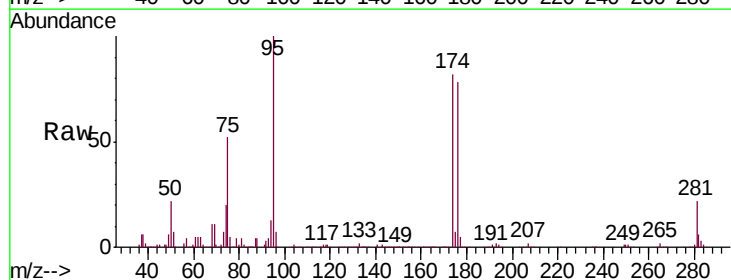
Tgt Ion: 95 Resp: 222640

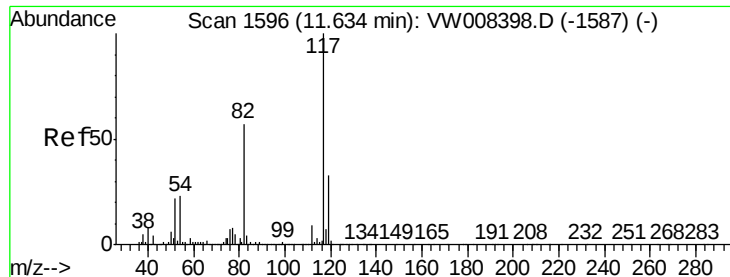
Ion Ratio Lower Upper

95 100

174 85.6 0.0 157.6

176 82.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW008619.D

Acq: 12 Feb 2019 13:38

Instrument :

MSVOA_W

ClientSampled :

TP-1

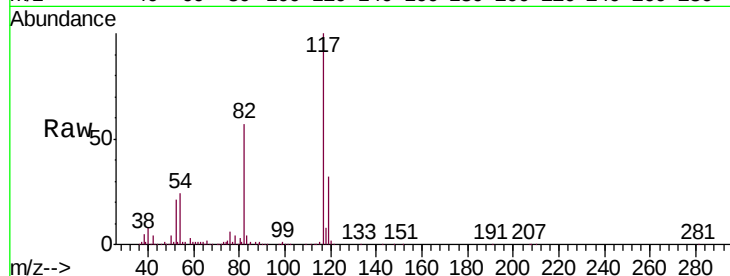
Tgt Ion:117 Resp: 525741

Ion Ratio Lower Upper

117 100

82 56.6 45.4 68.0

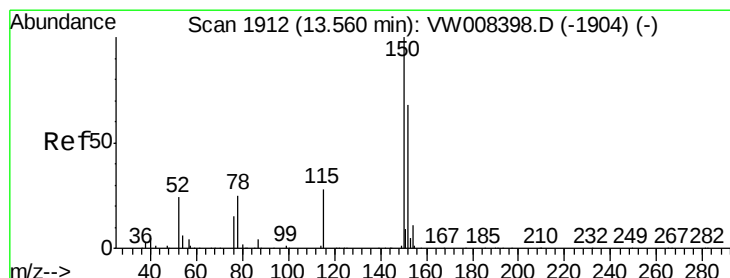
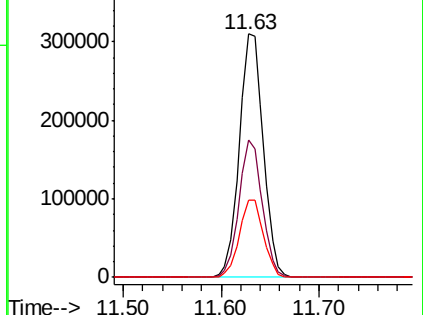
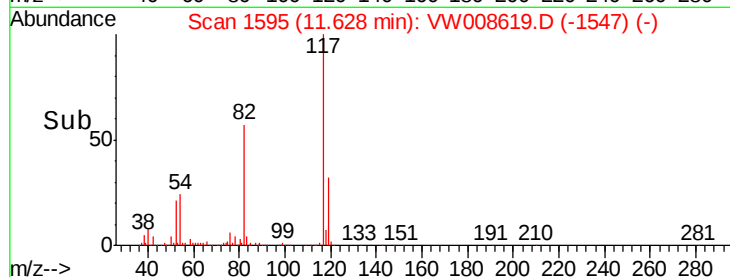
119 31.6 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008619.D

Acq: 12 Feb 2019 13:38

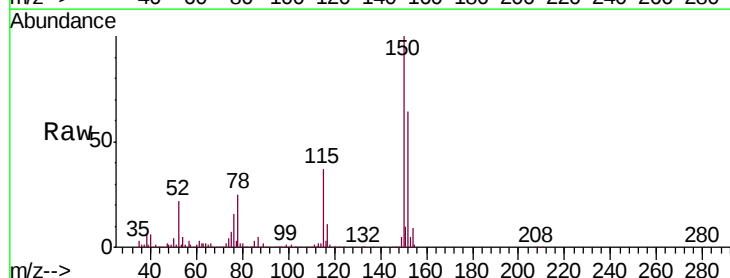
Tgt Ion:152 Resp: 192427

Ion Ratio Lower Upper

152 100

115 59.5 29.9 89.7

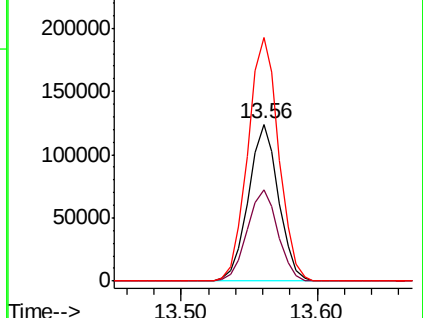
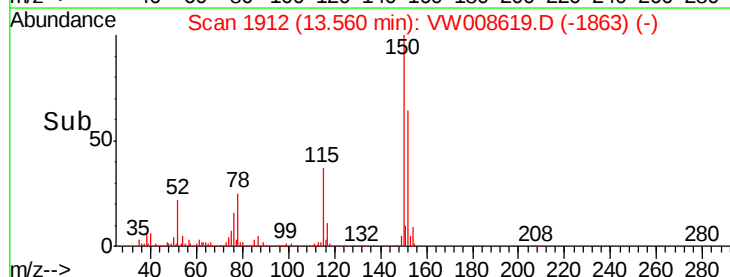
150 158.9 0.0 351.4

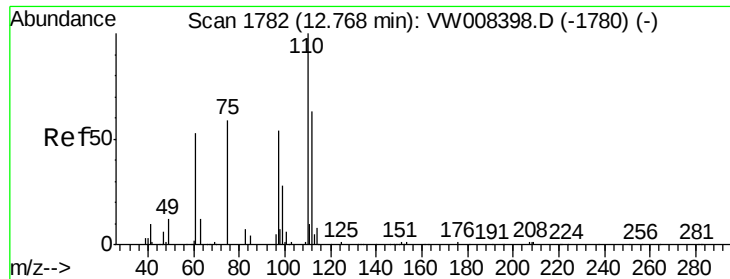


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

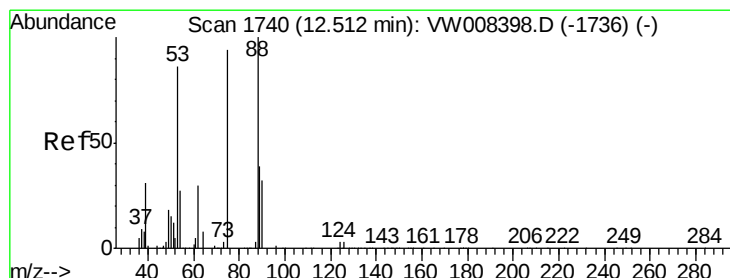
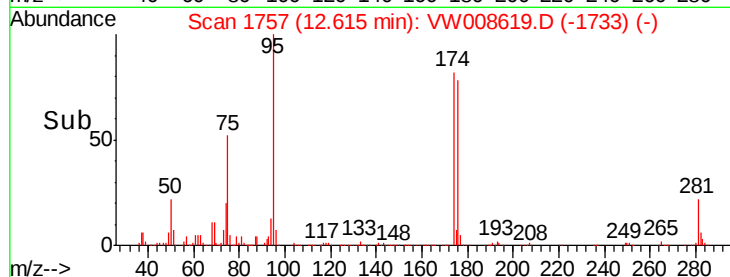
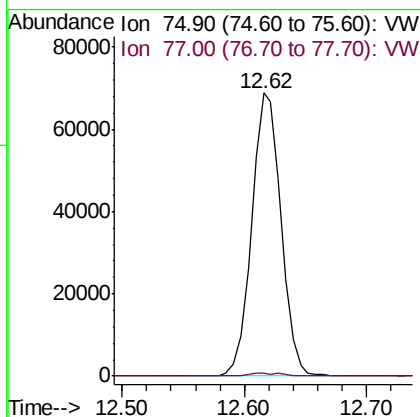
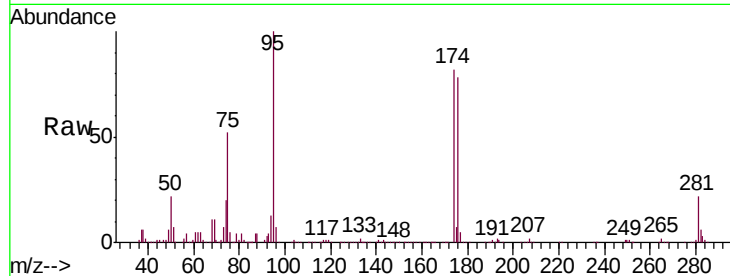




#76
 1,2,3-Trichloropropane
 Concen: 68.580 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008619.D
 Acq: 12 Feb 2019 13:38

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

Tgt Ion: 75 Resp: 114736
 Ion Ratio Lower Upper
 75 100
 77 1.2 180.7 542.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.451 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW008619.D
 Acq: 12 Feb 2019 13:38

Tgt Ion: 75 Resp: 114736
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.0 114.0#
 89 0.0 35.4 53.0#

