

Data File : VW008259.D
Acq On : 14 Jan 2019 20:38
Operator : SY/VA
Sample : K1139-03RE
Misc : 3.80G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-2RE

Quant Time: Jan 14 21:18:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	51696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	86872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	45812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	7177	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	33832	58.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.46%	
35) Dibromofluoromethane	7.88	113	34226	67.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.10%	
50) Toluene-d8	10.32	98	94572	44.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.96%	
62) 4-Bromofluorobenzene	12.62	95	12237	16.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.10%	

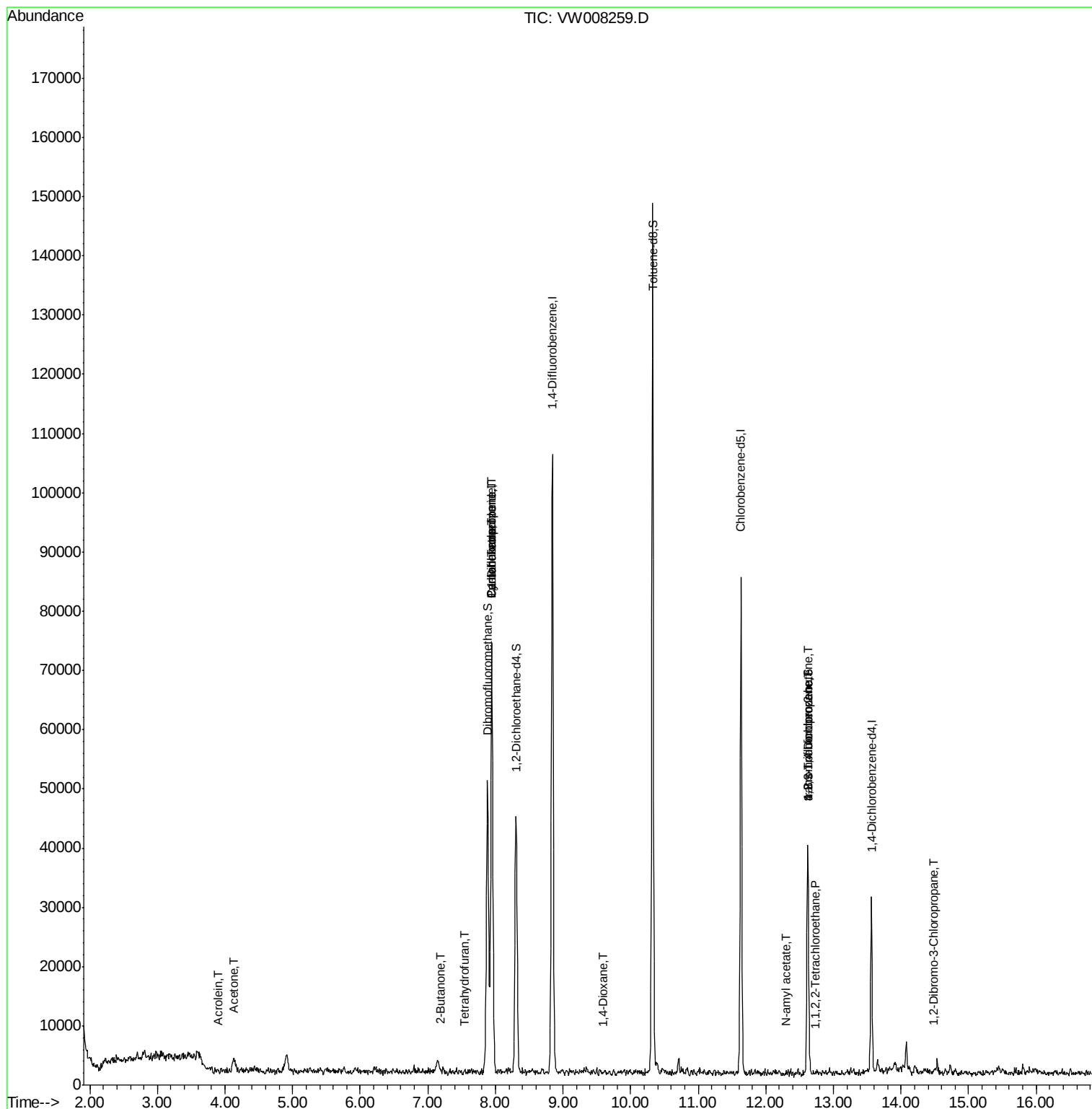
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.22	59	57	Below Cal	#	100
13) Acrolein	3.89	56	174	3.020	ug/l #	32
16) Acetone	4.13	43	4361	22.511	ug/l #	80
20) Methylene Chloride	4.90	84	1293	Below Cal	#	75
25) 2-Butanone	7.19	43	216	1.336	ug/l #	65
29) Tetrahydrofuran	7.54	42	397	3.676	ug/l #	79
31) Cyclohexane	7.95	56	1428	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	4180	4.671	ug/l #	45
38) Carbon Tetrachloride	7.95	117	5352	6.534	ug/l #	19
49) 1,4-Dioxane	9.59	88	18	3.787	ug/l #	11
74) N-amyl acetate	12.29	43	265	2.124	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.73	83	104	1.153	ug/l #	7
76) 1,2,3-Trichloropropane	12.62	75	6039	92.303	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	6039	214.944	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.49	75	24	1.654	ug/l #	6

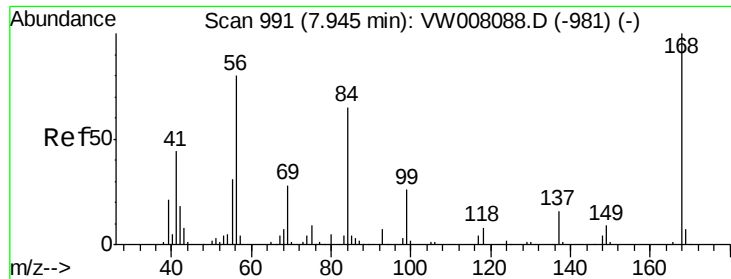
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008259.D
Acq On : 14 Jan 2019 20:38
Operator : SY/VA
Sample : K1139-03RE
Misc : 3.80G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-2RE

Quant Time: Jan 14 21:18:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

Instrument :

MSVOA_W

ClientSampled :

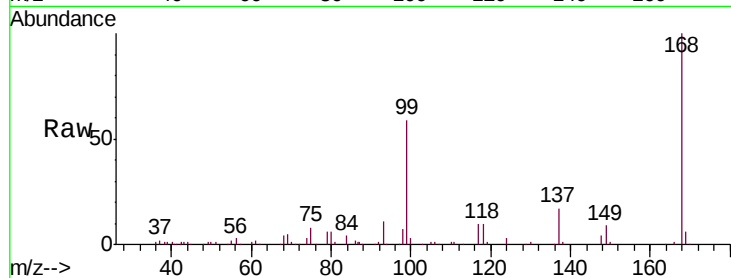
S-2RE

Tgt Ion: 168 Resp: 51696

Ion Ratio Lower Upper

168 100

99 59.1 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

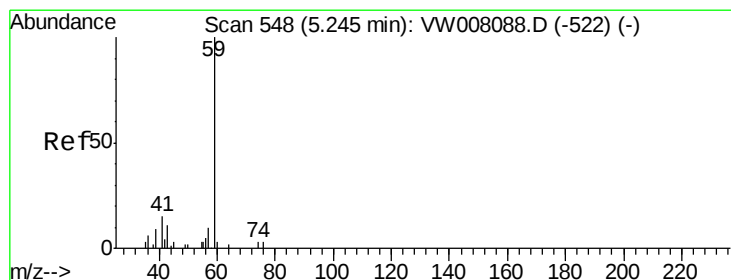
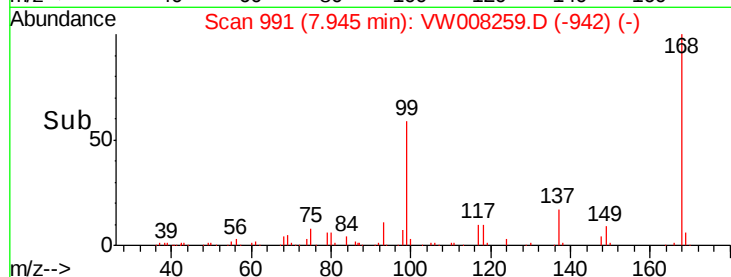
10000

5000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. -0.02 min

Lab File: VW008259.D

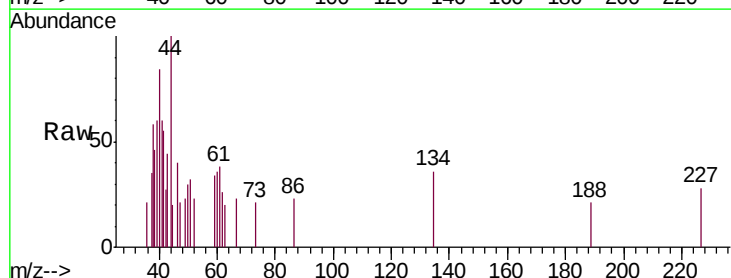
Acq: 14 Jan 2019 20:38

Tgt Ion: 59 Resp: 57

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.22

100

80

60

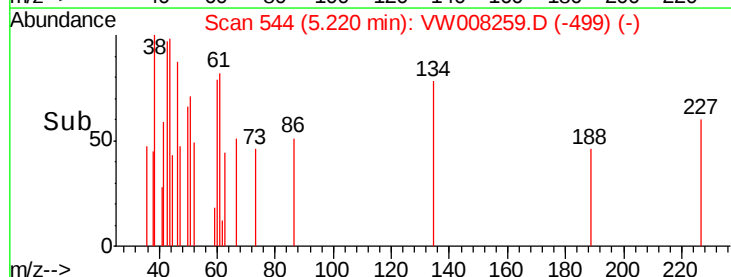
40

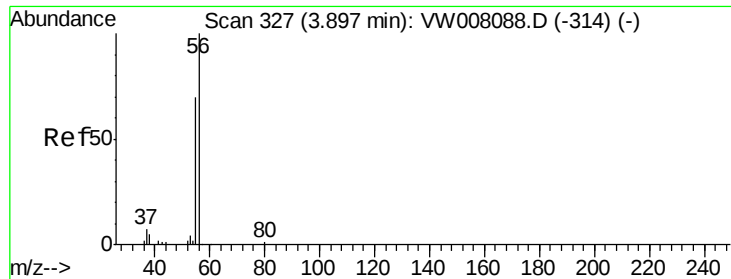
20

0

5.20 5.22 5.24

Time-->

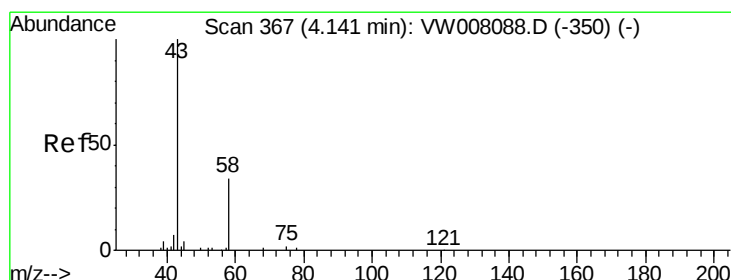
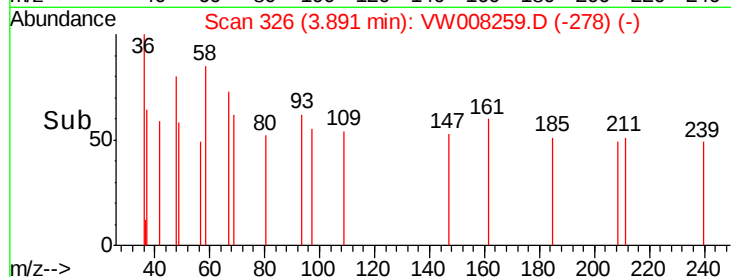
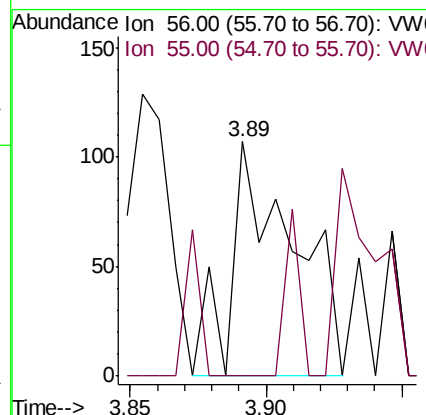
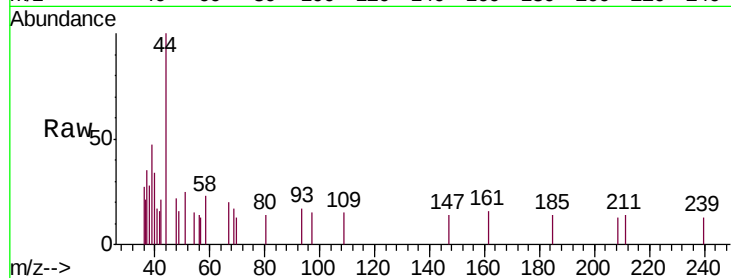




#13
Acrolein
Concen: 3.020 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.01 min
Lab File: VW008259.D
Acq: 14 Jan 2019 20:38

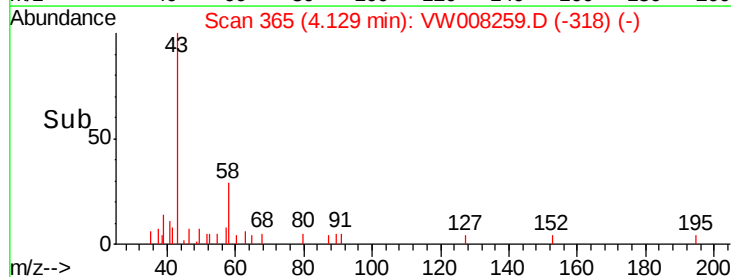
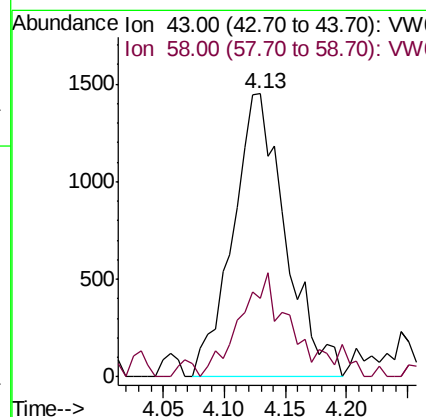
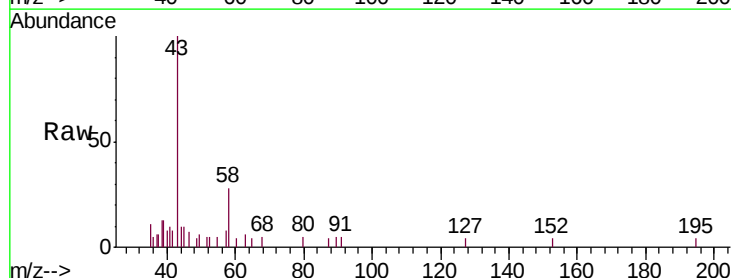
Instrument :
MSVOA_W
ClientSampleId :
S-2RE

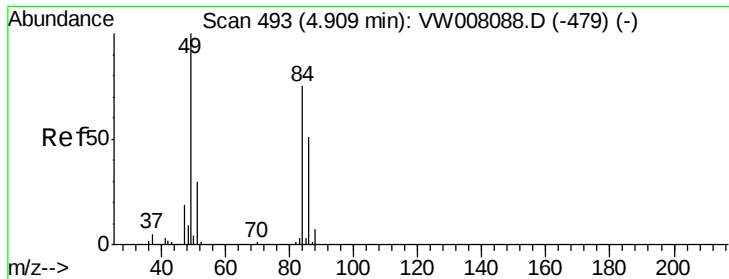
Tgt Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
55 14.4 56.6 84.8#



#16
Acetone
Concen: 22.511 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW008259.D
Acq: 14 Jan 2019 20:38

Tgt Ion: 43 Resp: 4361
Ion Ratio Lower Upper
43 100
58 22.8 27.5 41.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 491

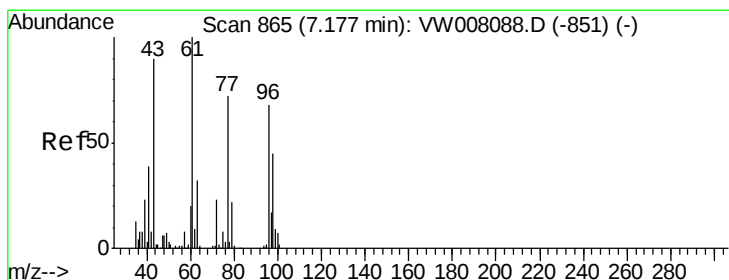
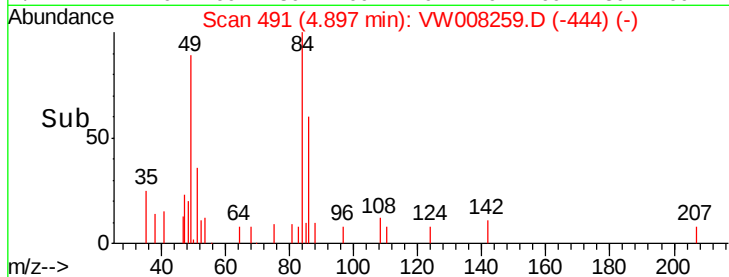
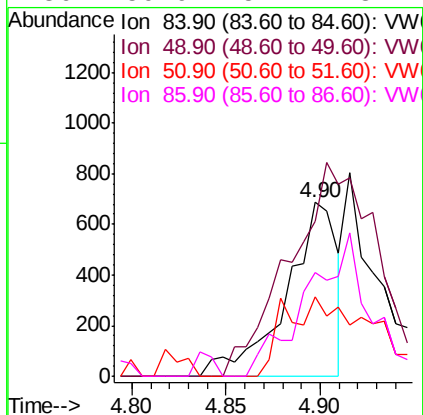
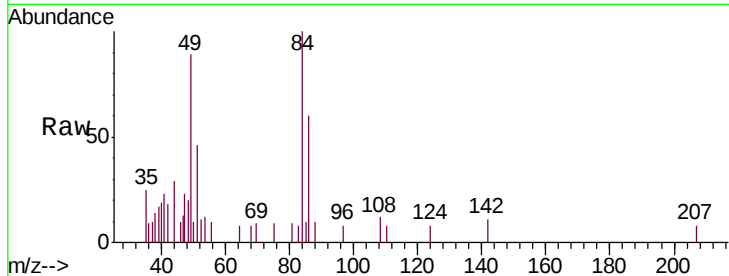
Delta R.T. -0.01 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

Instrument :
MSVOA_W
ClientSampled :
S-2RE

Tgt Ion:	84	Resp:	1293
Ion	Ratio	Lower	Upper
84	100		
49	89.1	107.1	160.7#
51	35.7	32.4	48.6
86	59.9	54.2	81.4



#25

2-Butanone

Concen: 1.336 ug/l

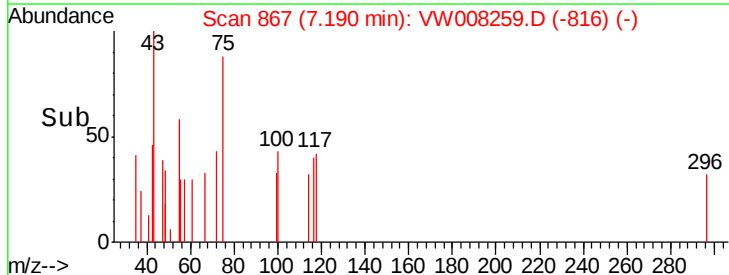
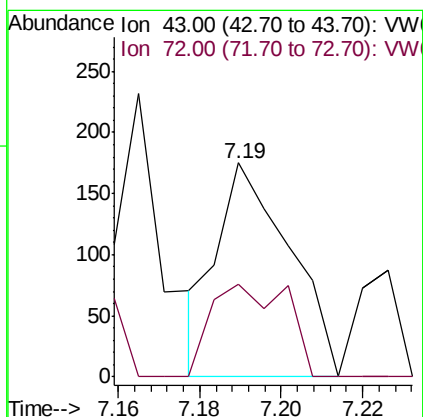
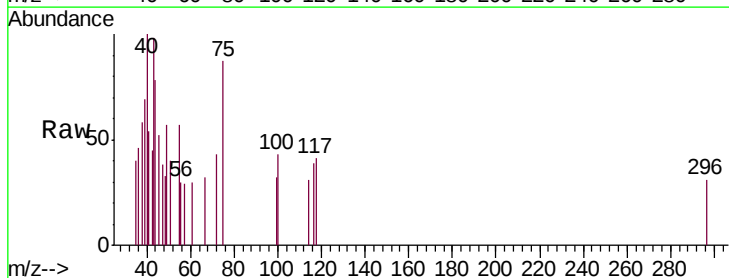
RT: 7.19 min Scan# 867

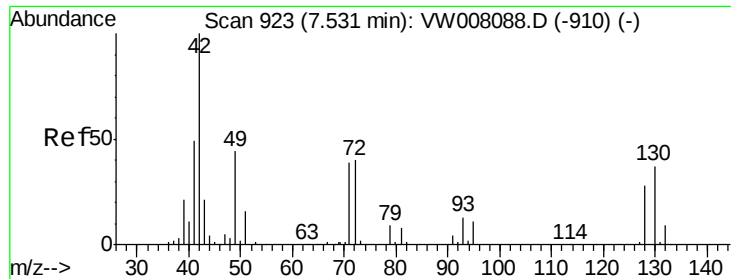
Delta R.T. 0.01 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

Tgt Ion:	43	Resp:	216
Ion	Ratio	Lower	Upper
43	100		
72	43.4	20.5	30.7#

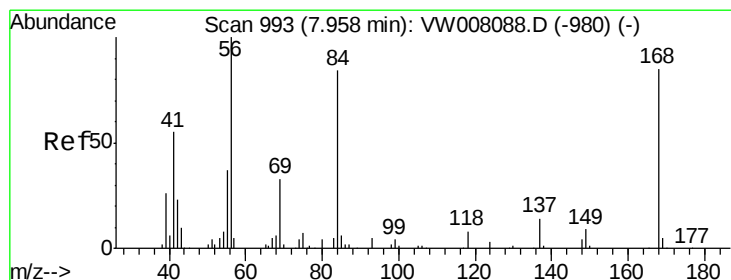
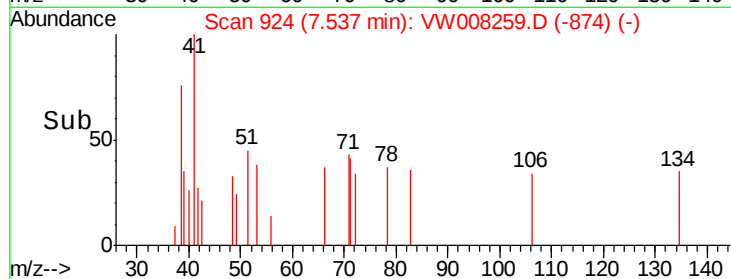
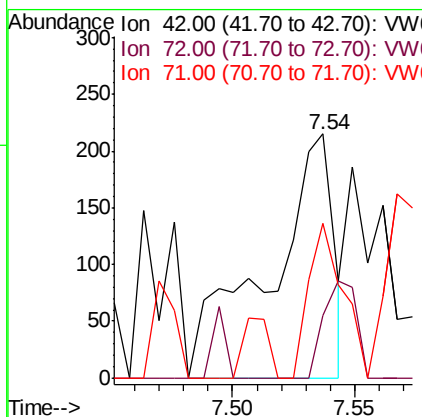
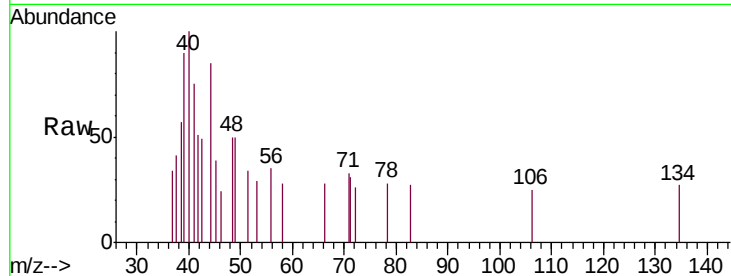




#29
Tetrahydrofuran
Concen: 3.676 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008259.D
Acq: 14 Jan 2019 20:38

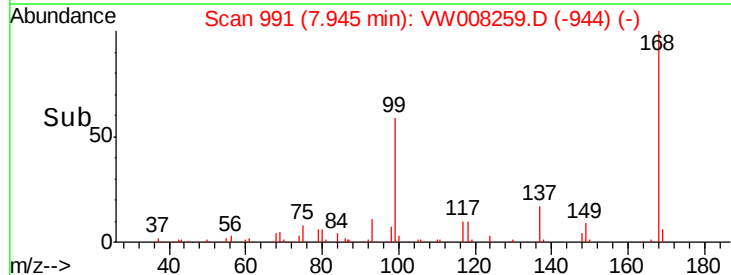
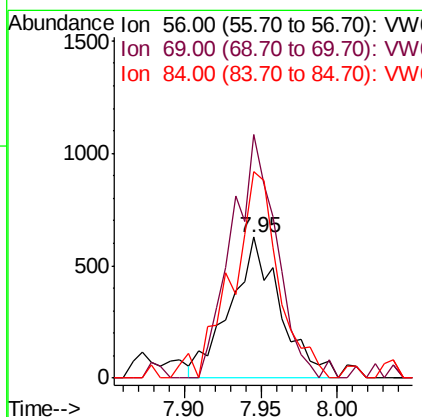
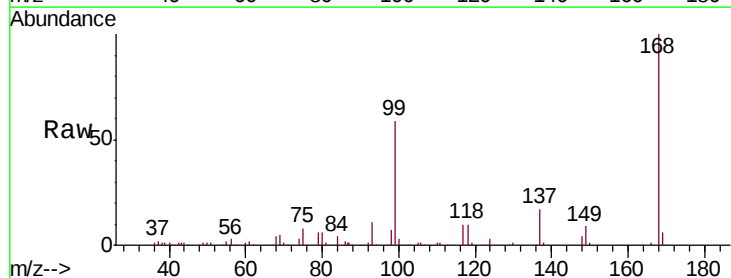
Instrument :
MSVOA_W
ClientSampled :
S-2RE

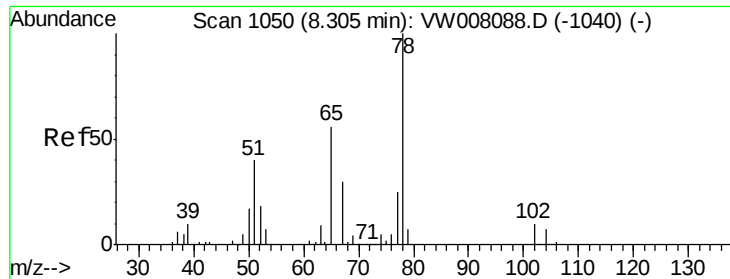
Tgt Ion: 42 Resp: 397
Ion Ratio Lower Upper
42 100
72 20.4 32.4 48.6#
71 34.0 31.3 46.9



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008259.D
Acq: 14 Jan 2019 20:38

Tgt Ion: 56 Resp: 1428
Ion Ratio Lower Upper
56 100
69 172.7 26.2 39.4#
84 146.7 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 58.229 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

Instrument :

MSVOA_W

ClientSampleId :

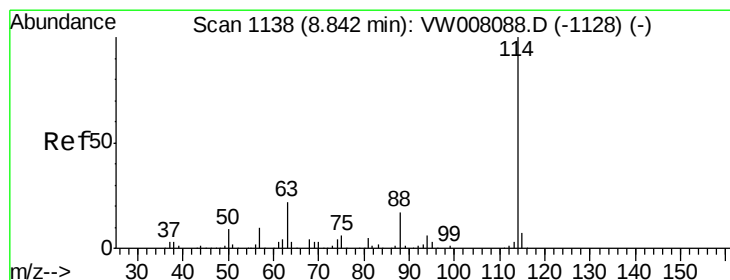
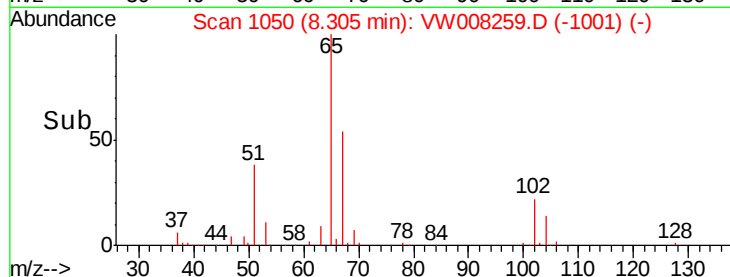
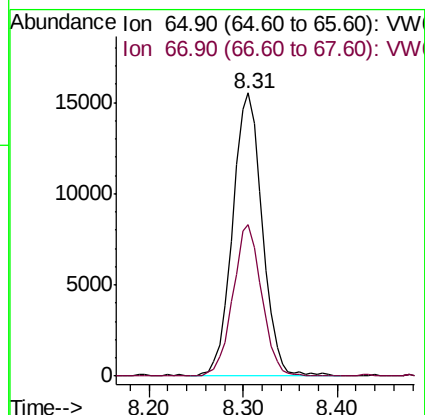
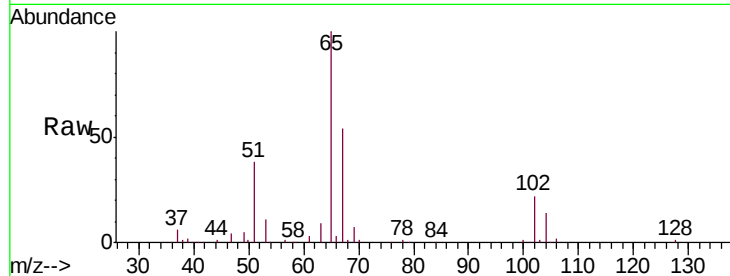
S-2RE

Tgt Ion: 65 Resp: 33832

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

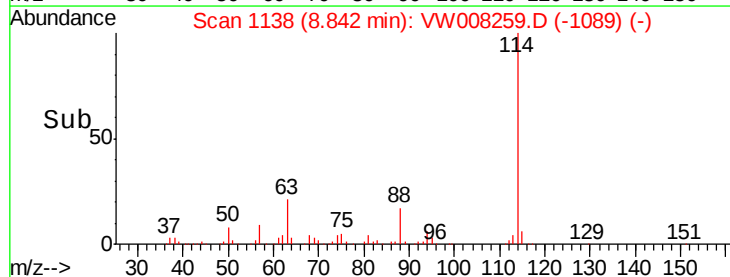
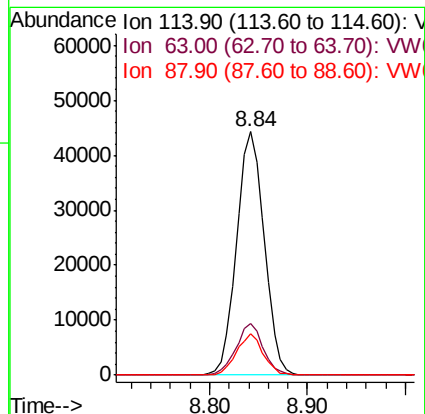
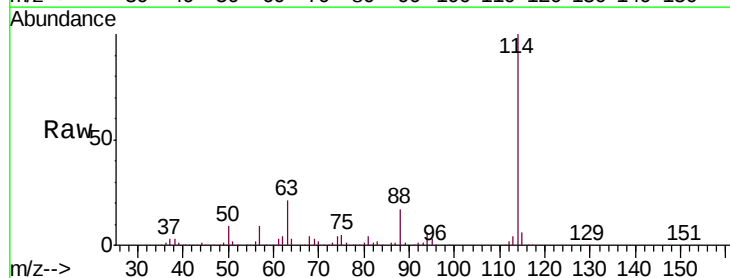
Tgt Ion: 114 Resp: 86872

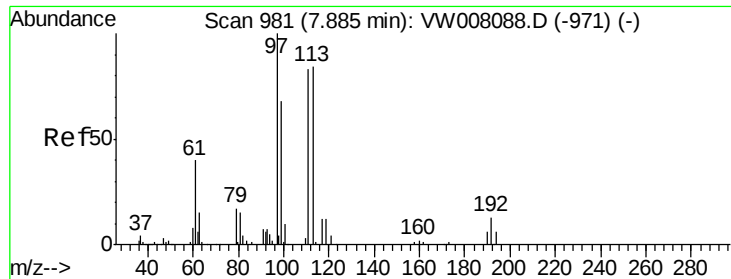
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.4

88 17.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 67.551 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

Instrument :

MSVOA_W

ClientSampleId :

S-2RE

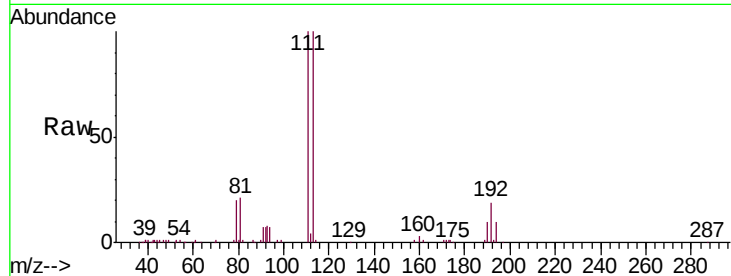
Tgt Ion:113 Resp: 34226

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

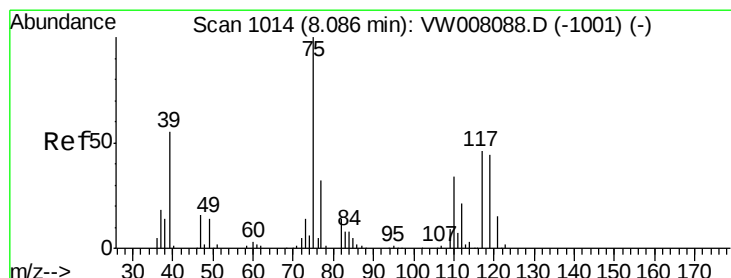
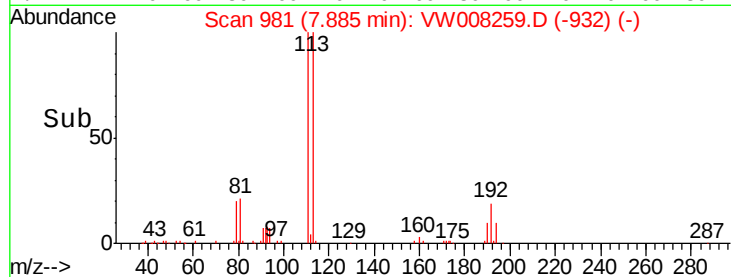
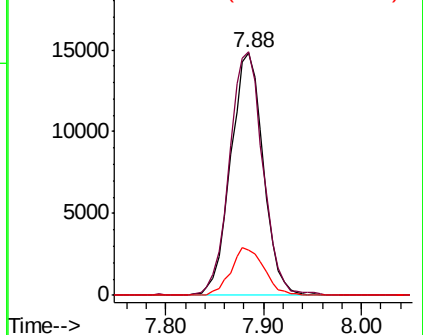
192 19.8 12.8 19.2#



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: 4.671 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.15 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

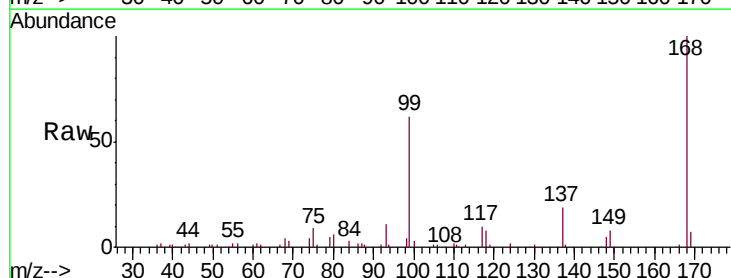
Tgt Ion: 75 Resp: 4180

Ion Ratio Lower Upper

75 100

110 3.9 17.1 51.3#

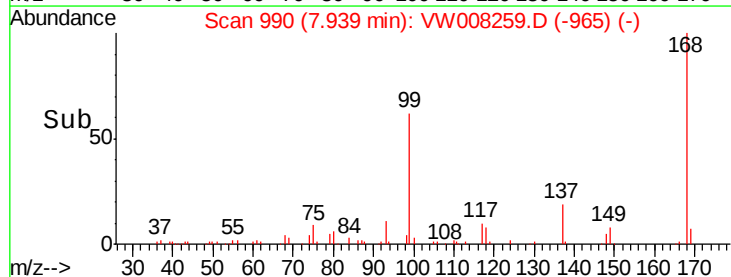
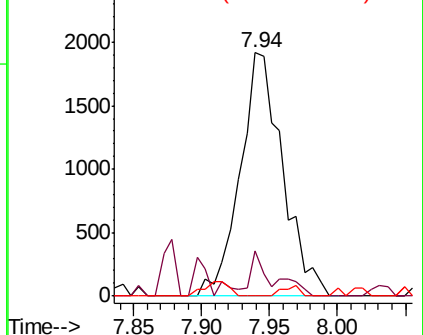
77 0.0 25.5 38.3#

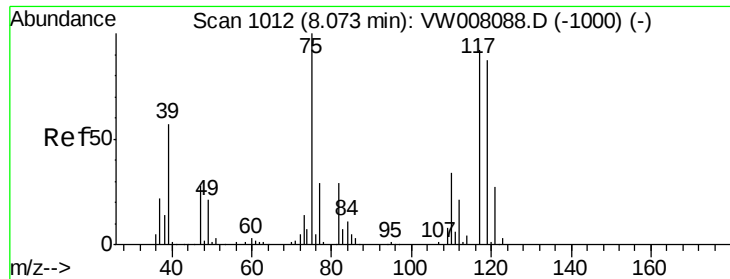


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

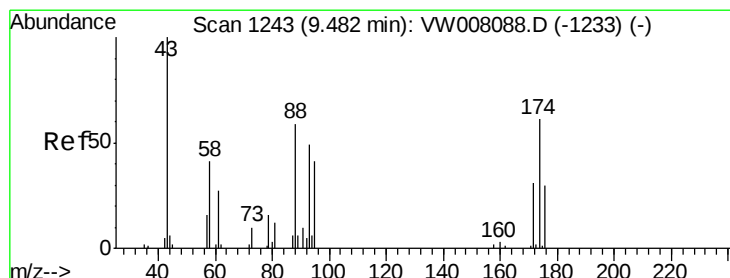
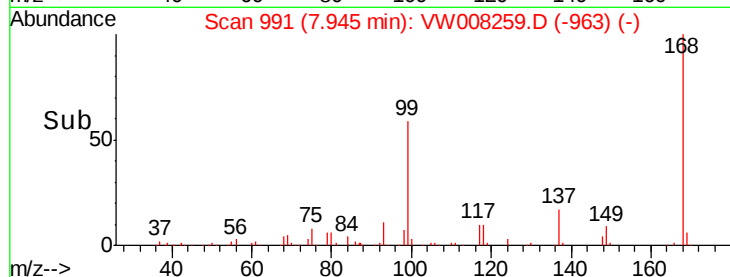
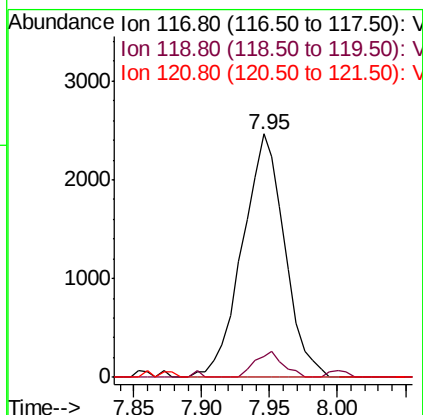
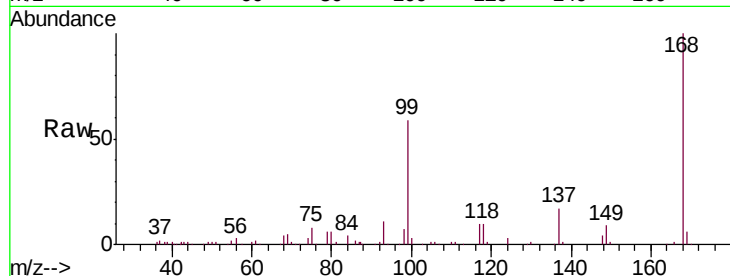




#38
Carbon Tetrachloride
Concen: 6.534 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008259.D
Acq: 14 Jan 2019 20:38

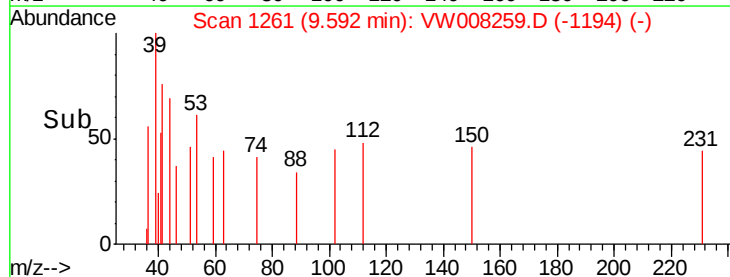
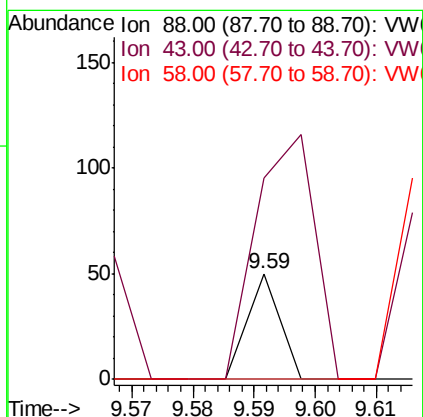
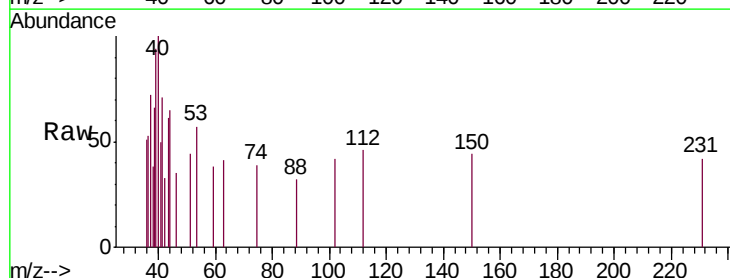
Instrument :
MSVOA_W
ClientSampleId :
S-2RE

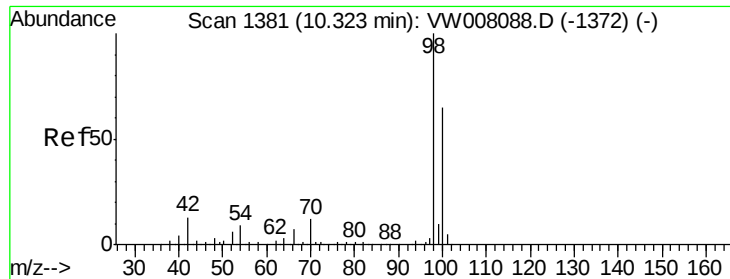
Tgt Ion: 117 Resp: 5352
Ion Ratio Lower Upper
117 100
119 8.6 75.8 113.8#
121 0.0 23.7 35.5#



#49
1,4-Dioxane
Concen: 3.787 ug/l
RT: 9.59 min Scan# 1261
Delta R.T. 0.11 min
Lab File: VW008259.D
Acq: 14 Jan 2019 20:38

Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 427.8 0.0 0.0#
58 0.0 61.7 92.5#





#50

Toluene-d8

Concen: 44.480 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

Instrument :

MSVOA_W

ClientSampleId :

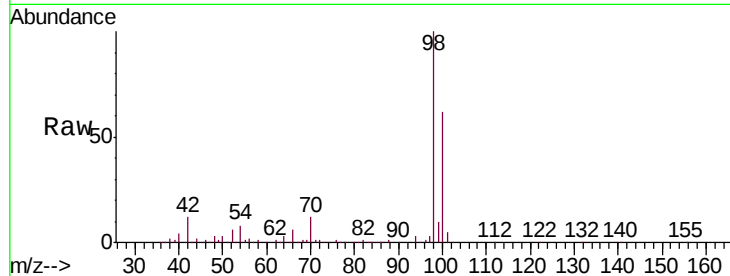
S-2RE

Tgt Ion: 98 Resp: 94572

Ion Ratio Lower Upper

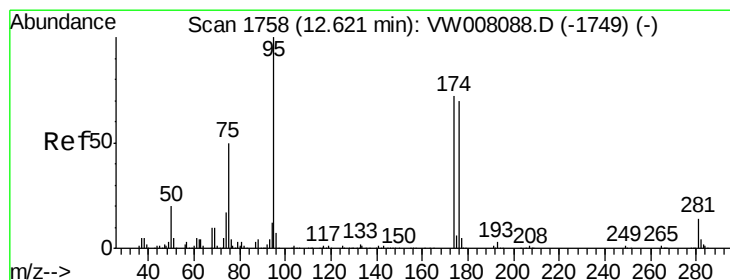
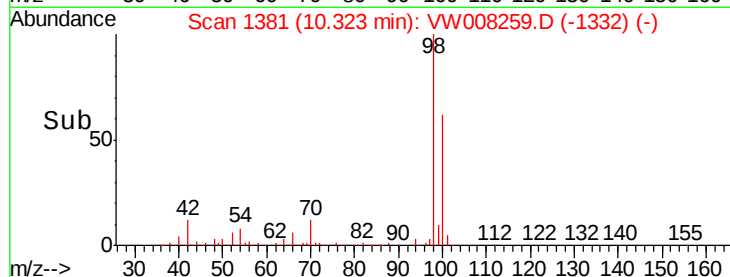
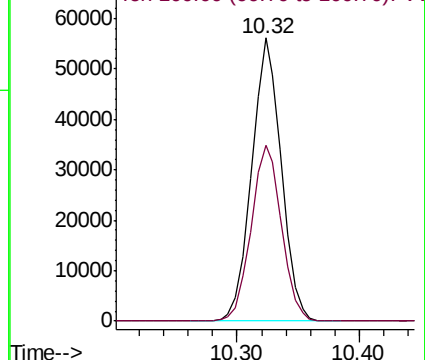
98 100

100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 16.054 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

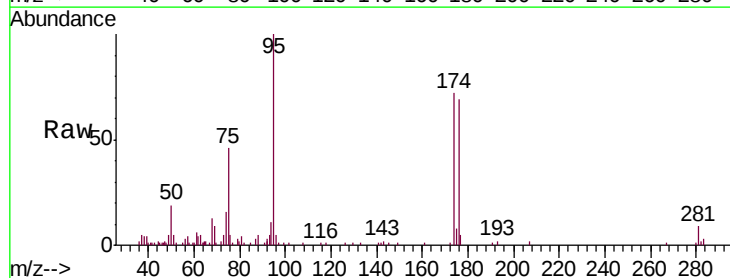
Tgt Ion: 95 Resp: 12237

Ion Ratio Lower Upper

95 100

174 75.8 0.0 143.0

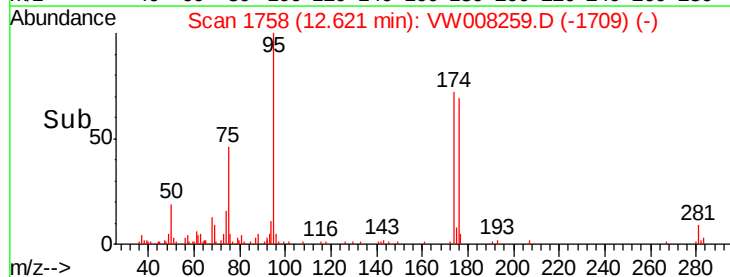
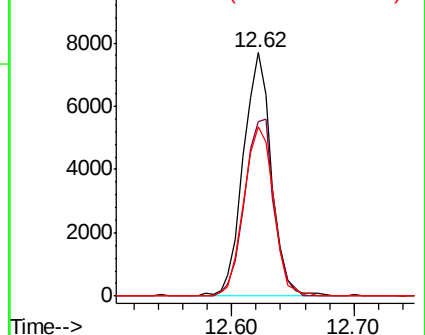
176 73.8 0.0 140.2

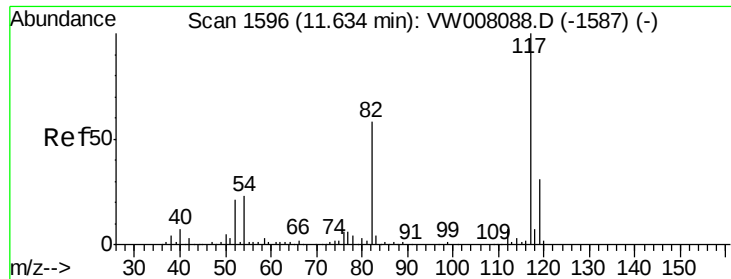


Abundance Ion 94.90 (94.60 to 95.60): VW

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. 0.00 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

Instrument :

MSVOA_W

ClientSampleId :

S-2RE

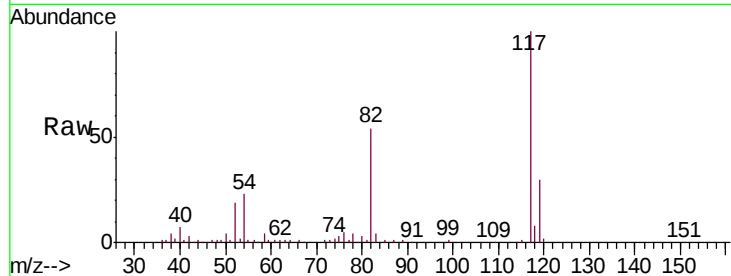
Tgt Ion:117 Resp: 45812

Ion Ratio Lower Upper

117 100

82 53.6 46.4 69.6

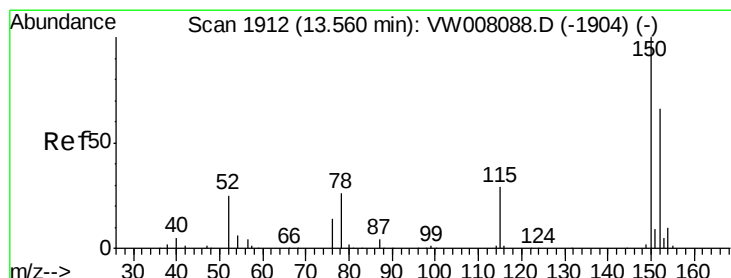
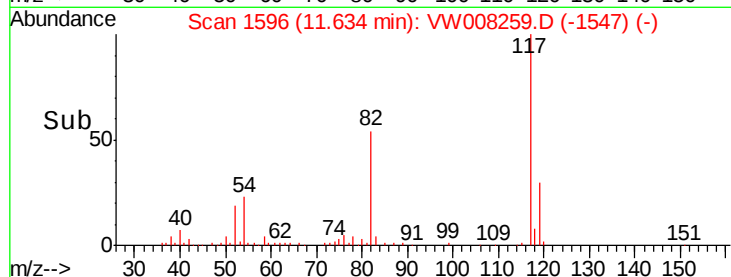
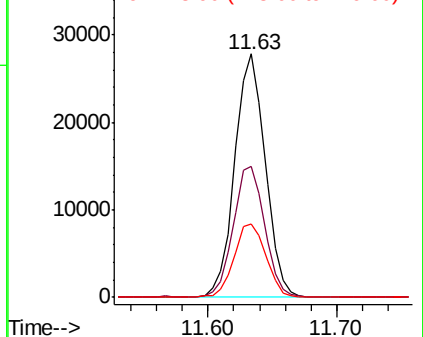
119 30.3 24.7 37.1



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. 0.01 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

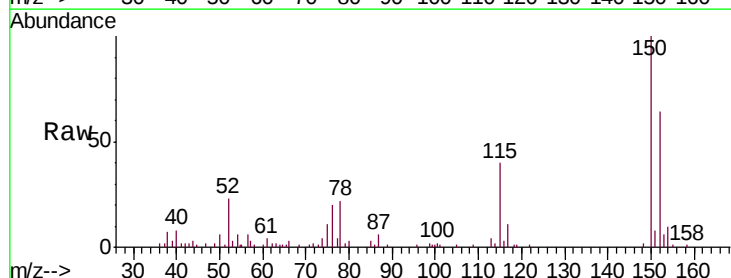
Tgt Ion:152 Resp: 7177

Ion Ratio Lower Upper

152 100

115 67.6 30.8 92.4

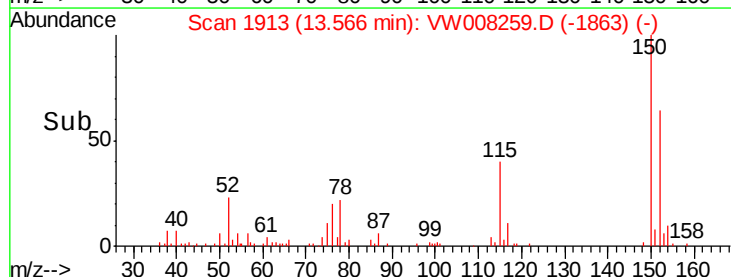
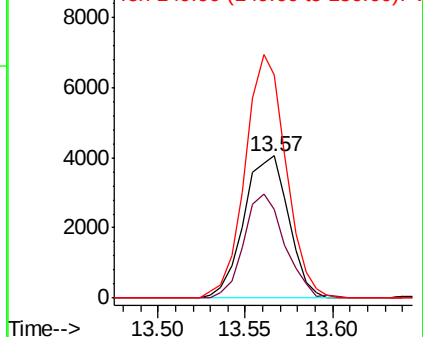
150 157.3 0.0 350.2

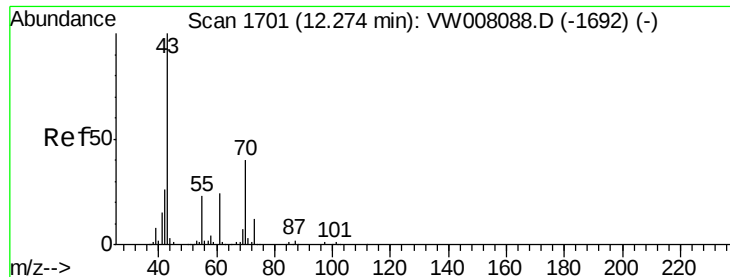


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

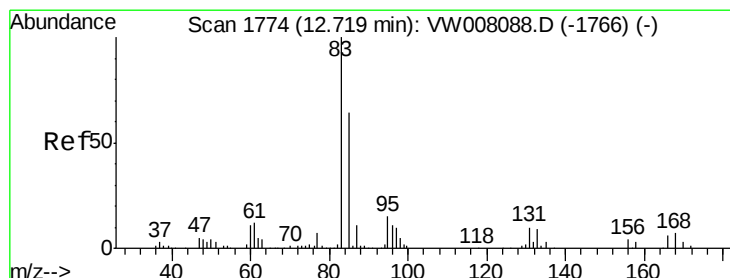
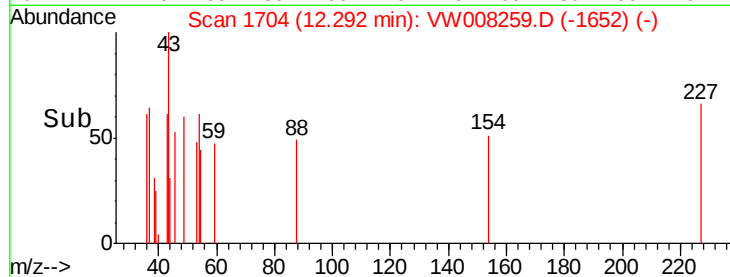
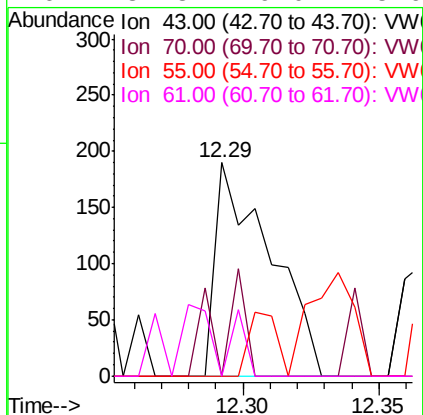
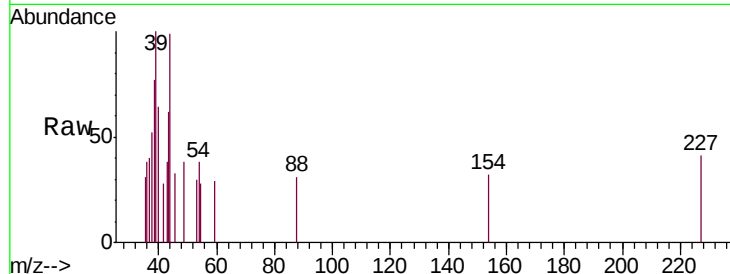




#74
N-ethyl acetate
Concen: 2.124 ug/l
RT: 12.29 min Scan# 1704
Delta R.T. 0.02 min
Lab File: VW008259.D
Acq: 14 Jan 2019 20:38

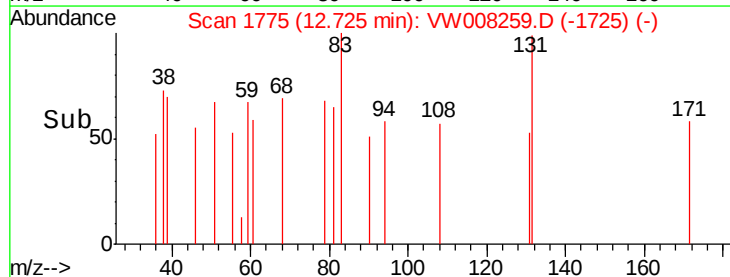
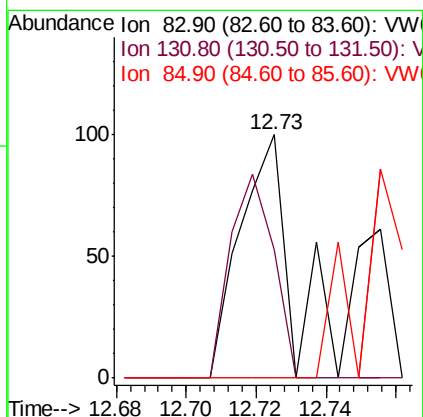
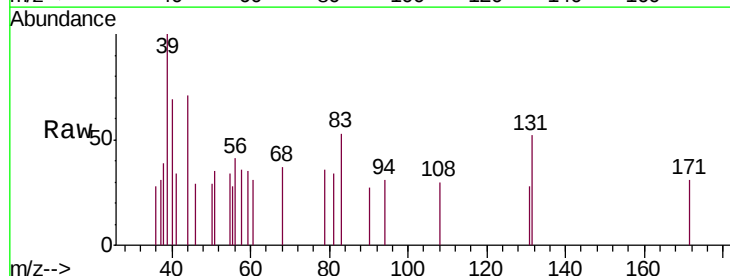
Instrument :
MSVOA_W
ClientSampled :
S-2RE

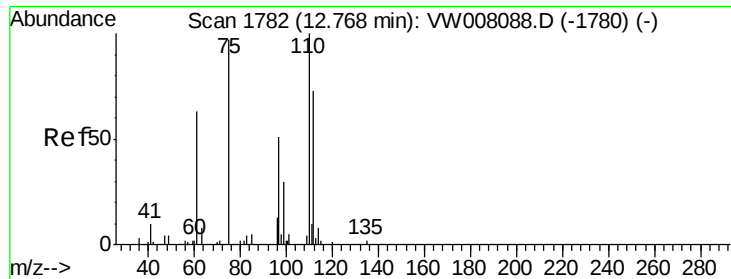
Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
70 10.9 32.4 48.6#
55 0.0 18.7 28.1#
61 32.8 19.0 28.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.153 ug/l
RT: 12.73 min Scan# 1775
Delta R.T. 0.01 min
Lab File: VW008259.D
Acq: 14 Jan 2019 20:38

Tgt Ion: 83 Resp: 104
Ion Ratio Lower Upper
83 100
131 69.2 5.3 16.1#
85 0.0 32.4 97.2#





#76

1,2,3-Trichloropropane

Concen: 92.303 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

Instrument :

MSVOA_W

ClientSampleId :

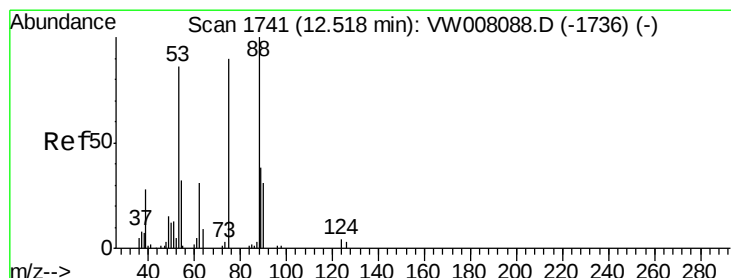
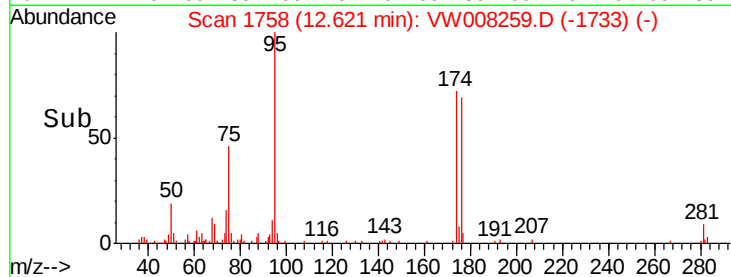
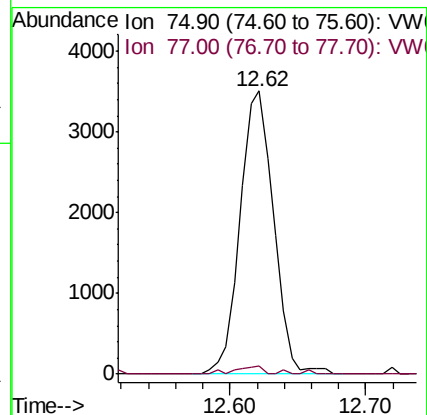
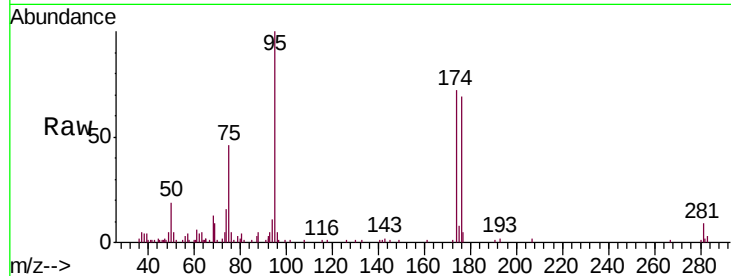
S-2RE

Tgt Ion: 75 Resp: 6039

Ion Ratio Lower Upper

75 100

77 2.3 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 214.944 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008259.D

Acq: 14 Jan 2019 20:38

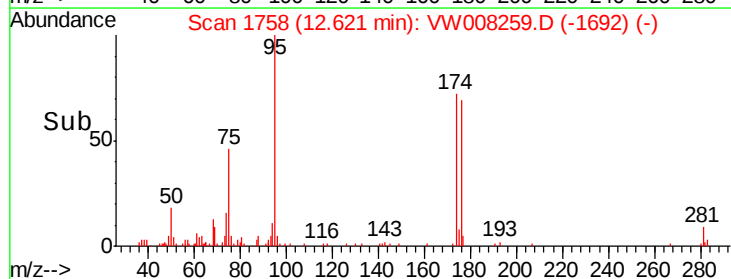
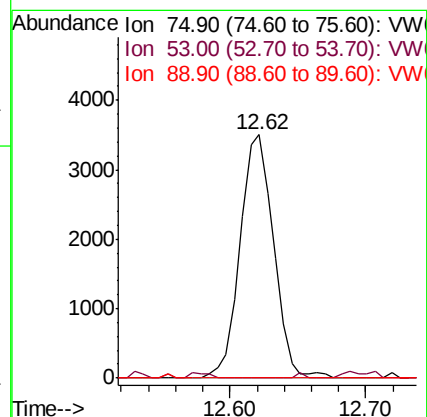
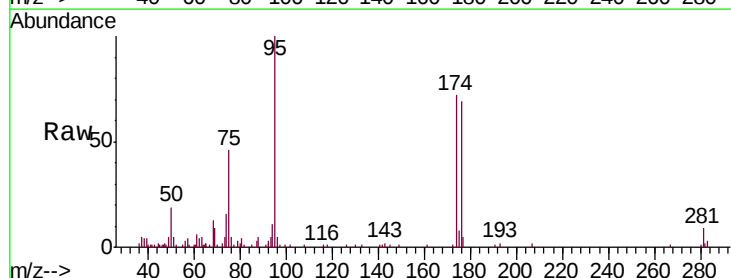
Tgt Ion: 75 Resp: 6039

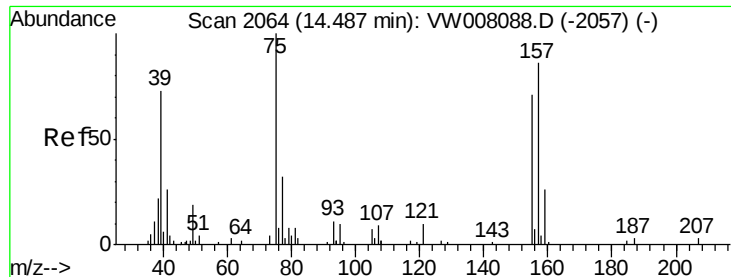
Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 35.4 53.2#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.654 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008259.D
 Acq: 14 Jan 2019 20:38

Instrument :
 MSVOA_W
 ClientSampleId :
 S-2RE

Tgt Ion: 75 Resp: 24
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.6 115.7#
 157 0.0 47.5 142.6#

