

Data File : VW008597.D
Acq On : 11 Feb 2019 15:08
Operator : SY/VA
Sample : K1458-04
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-2

Quant Time: Feb 12 04:29:06 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	7.95	168	437055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	710666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	595570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	268941	62.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.28%	
35) Dibromofluoromethane	7.88	113	232659	55.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.98%	
50) Toluene-d8	10.32	98	849628	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.62	95	270427	42.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.44%	

Target Compounds

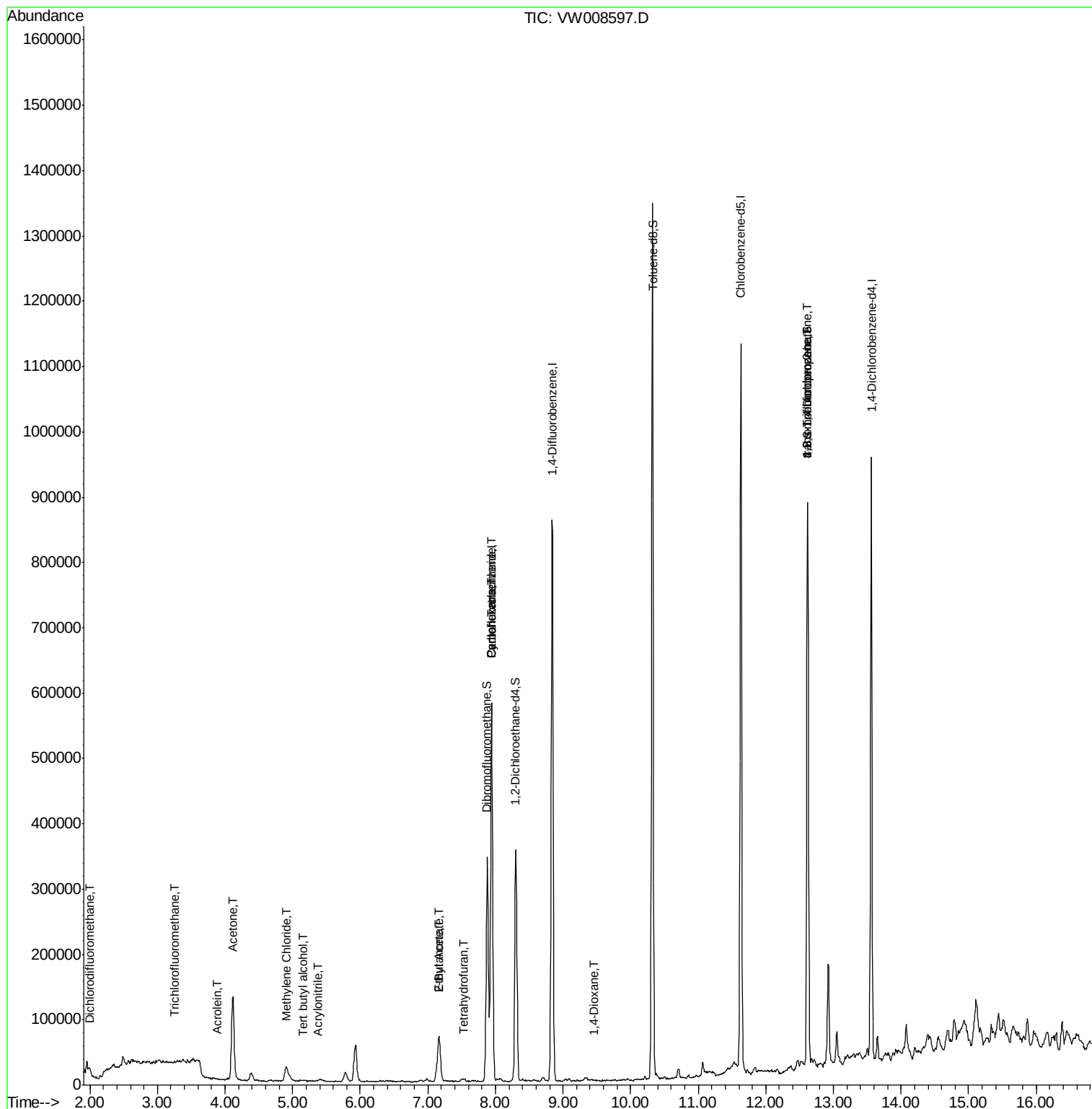
						Qvalue
2) Dichlorodifluoromethane	2.00	85	3509	4.551	ug/l #	66
7) Trichlorofluoromethane	3.25	101	1044	4.964	ug/l #	17
11) Tert butyl alcohol	5.15	59	1146	3.315	ug/l #	94
13) Acrolein	3.89	56	1431	8.799	ug/l	95
15) Acrylonitrile	5.36	53	1318	1.400	ug/l #	62
16) Acetone	4.12	43	227194	235.629	ug/l	98
20) Methylene Chloride	4.90	84	18164	4.087	ug/l	89
25) 2-Butanone	7.17	43	93806	70.043	ug/l	97
29) Tetrahydrofuran	7.52	42	1990	2.345	ug/l	92
31) Cyclohexane	7.95	56	12221	1.450	ug/l #	14
37) Ethyl Acetate	7.17	43	93806	31.584	ug/l #	71
38) Carbon Tetrachloride	7.94	117	44129	6.533	ug/l #	17
49) 1,4-Dioxane	9.45	88	601	14.884	ug/l #	23
76) 1,2,3-Trichloropropane	12.62	75	143017	71.209	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	143017	140.644	ug/l #	12

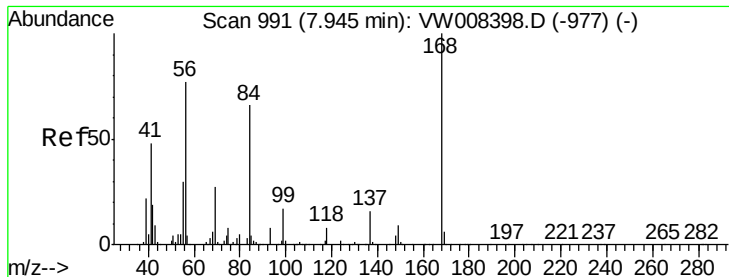
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008597.D

Acq: 11 Feb 2019 15:08

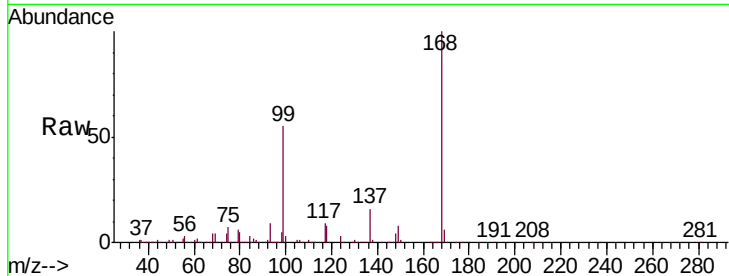
Instrument :
MSVOA_W
ClientSampleId :
SB-2

Tgt Ion:168 Resp: 437055

Ion Ratio Lower Upper

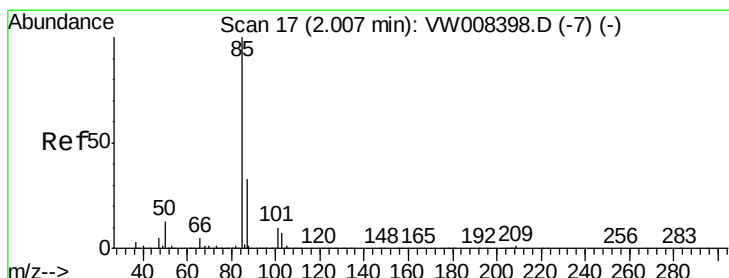
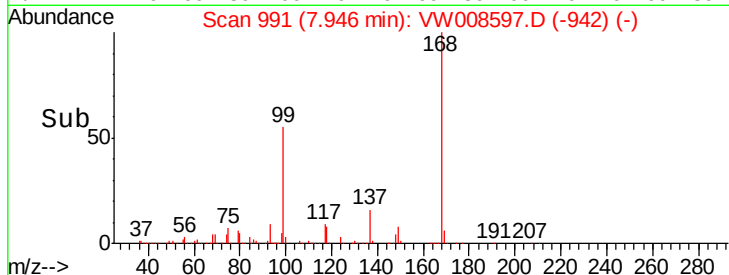
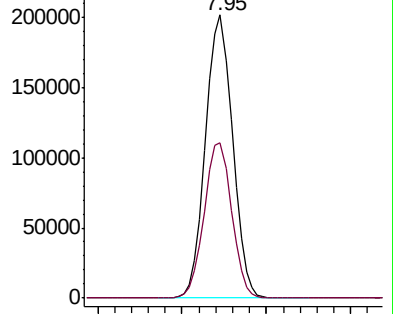
168 100

99 54.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 4.551 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008597.D

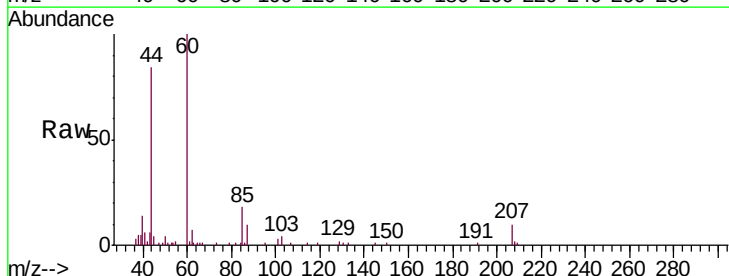
Acq: 11 Feb 2019 15:08

Tgt Ion: 85 Resp: 3509

Ion Ratio Lower Upper

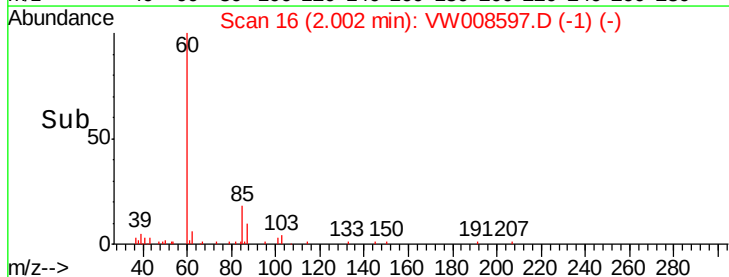
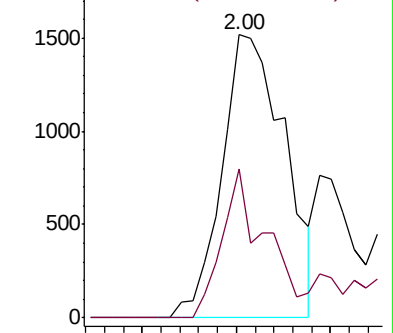
85 100

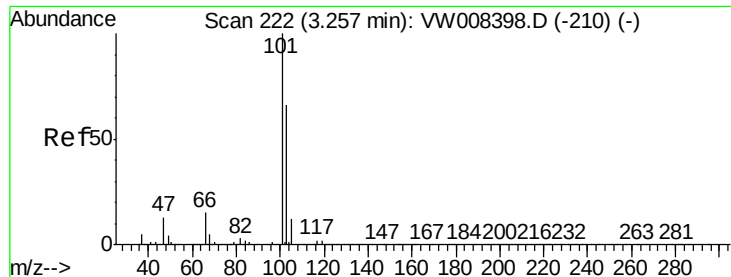
87 52.5 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



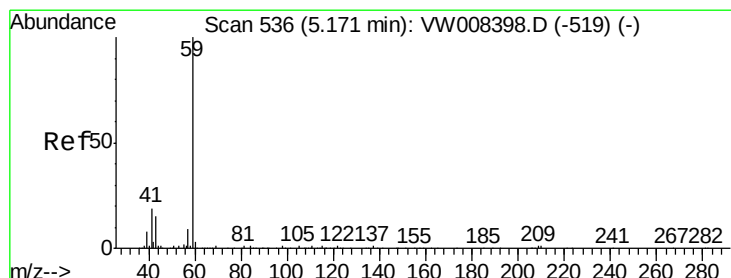
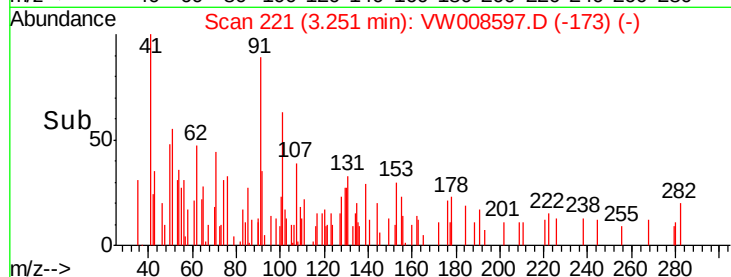
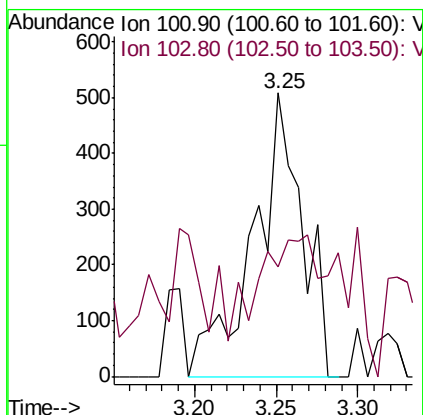
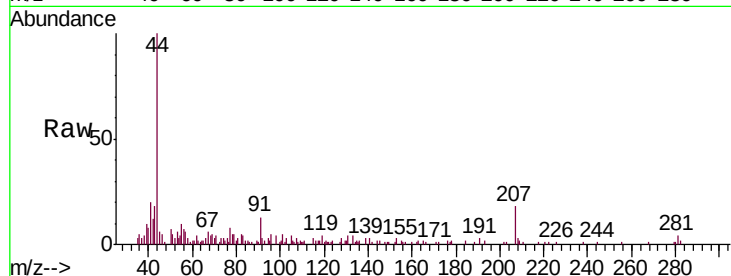


#7

Trichlorofluoromethane
Concen: 4.964 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

Instrument :
MSVOA_W
ClientSampled :
SB-2

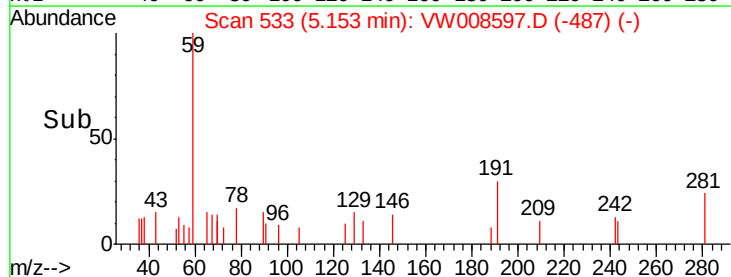
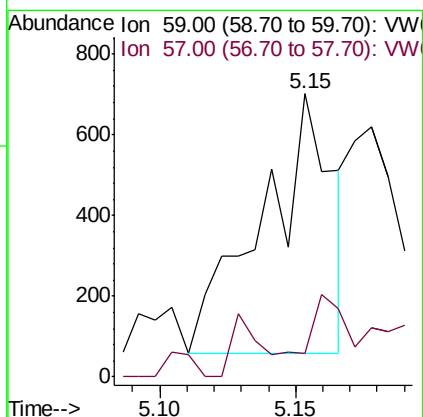
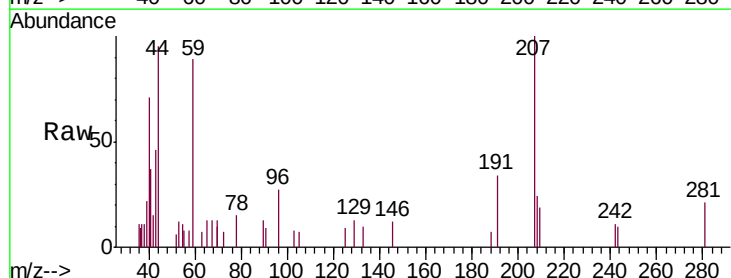
Tgt Ion: 101 Resp: 1044
Ion Ratio Lower Upper
101 100
103 0.0 52.5 78.7#

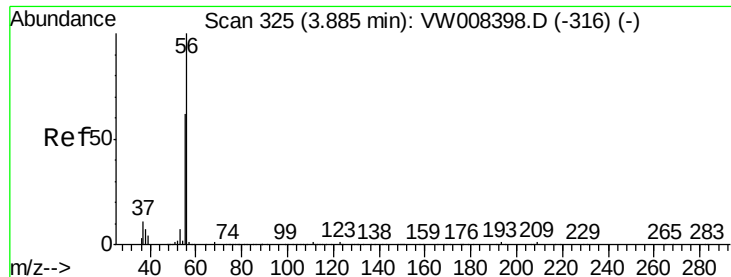


#11

Tert butyl alcohol
Concen: 3.315 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

Tgt Ion: 59 Resp: 1146
Ion Ratio Lower Upper
59 100
57 9.2 9.3 13.9#





#13

Acrolein

Concen: 8.799 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008597.D

Acq: 11 Feb 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

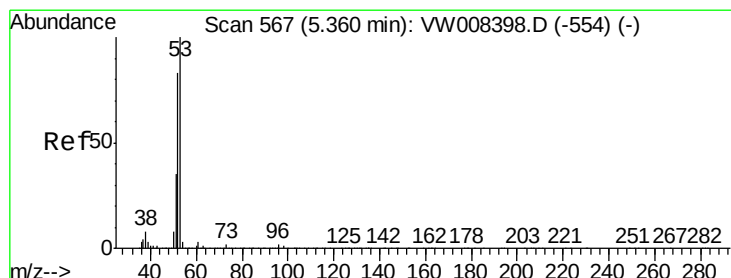
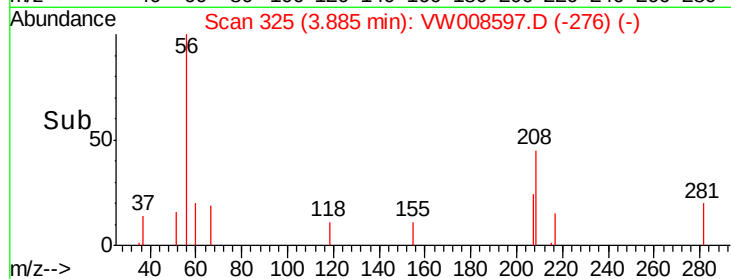
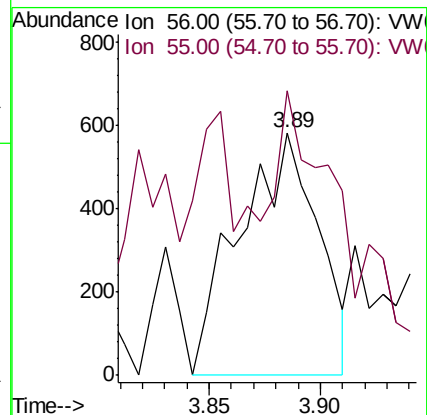
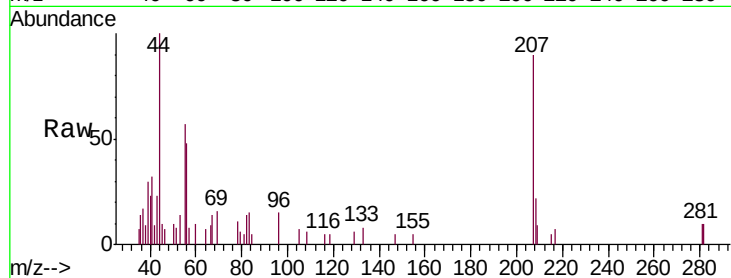
SB-2

Tgt Ion: 56 Resp: 1431

Ion Ratio Lower Upper

56 100

55 75.3 56.7 85.1



#15

Acrylonitrile

Concen: 1.400 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008597.D

Acq: 11 Feb 2019 15:08

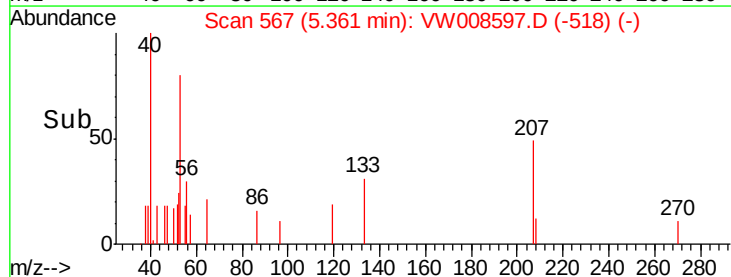
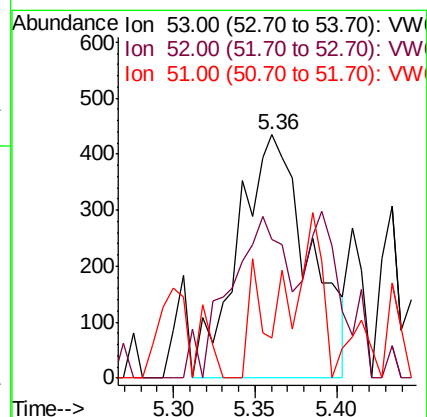
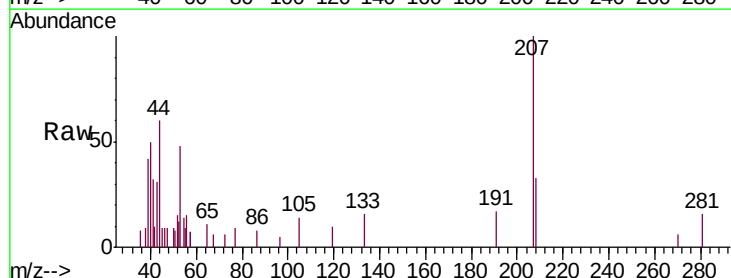
Tgt Ion: 53 Resp: 1318

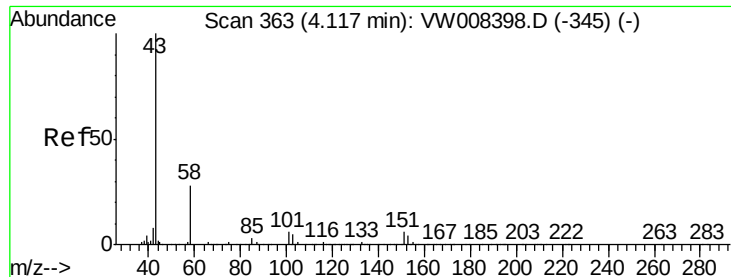
Ion Ratio Lower Upper

53 100

52 52.9 67.0 100.4#

51 10.2 29.8 44.8#

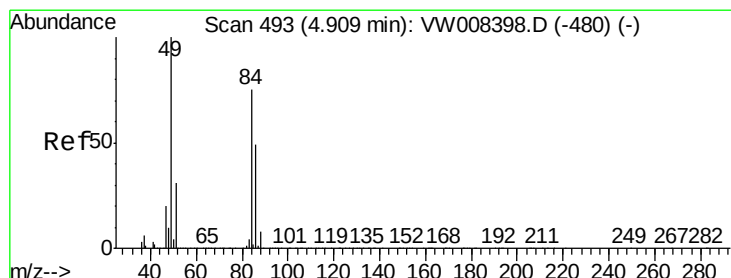
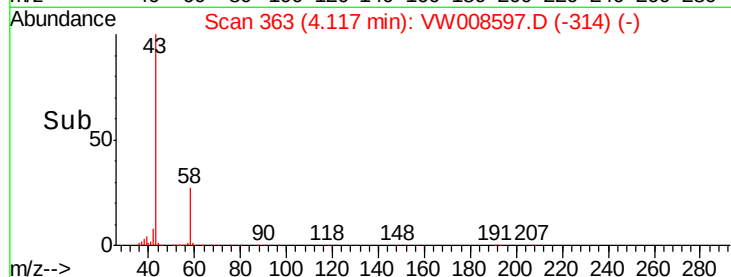
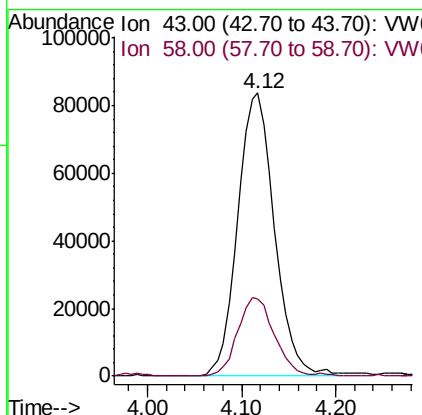
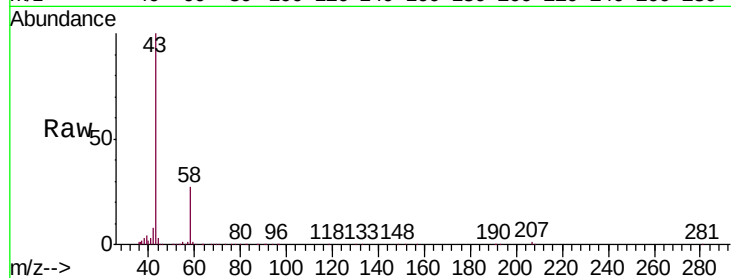




#16
Acetone
Concen: 235.629 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

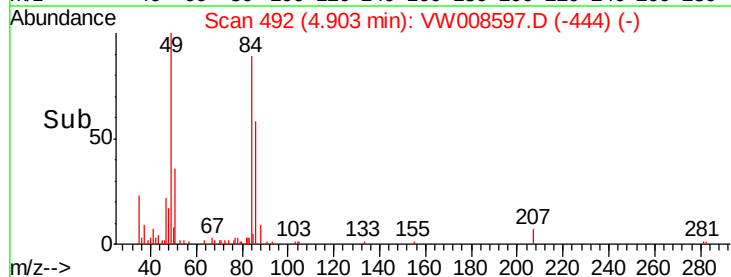
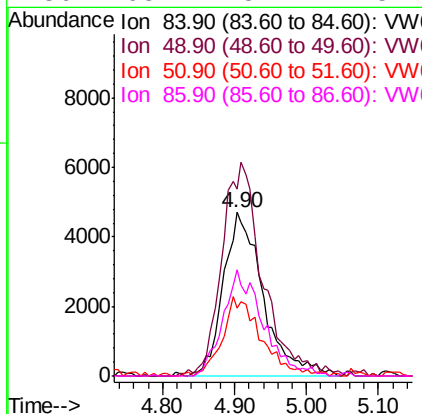
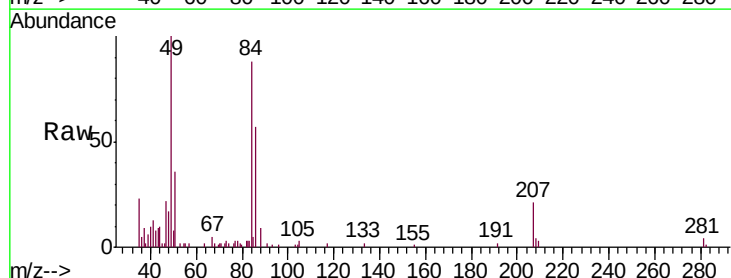
Instrument :
MSVOA_W
ClientSampled :
SB-2

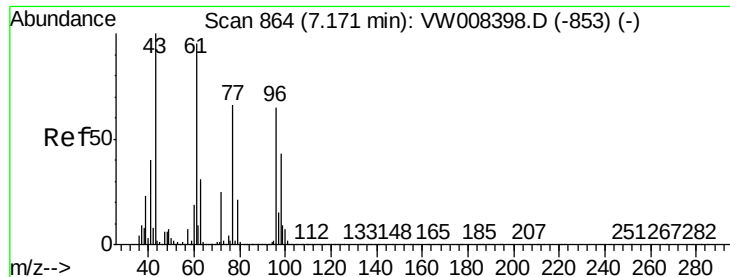
Tgt Ion: 43 Resp: 227194
Ion Ratio Lower Upper
43 100
58 27.2 22.6 34.0



#20
Methylene Chloride
Concen: 4.087 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

Tgt Ion: 84 Resp: 18164
Ion Ratio Lower Upper
84 100
49 110.6 106.8 160.2
51 39.9 32.9 49.3
86 65.2 52.2 78.2





#25

2-Butanone

Concen: 70.043 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008597.D

Acq: 11 Feb 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

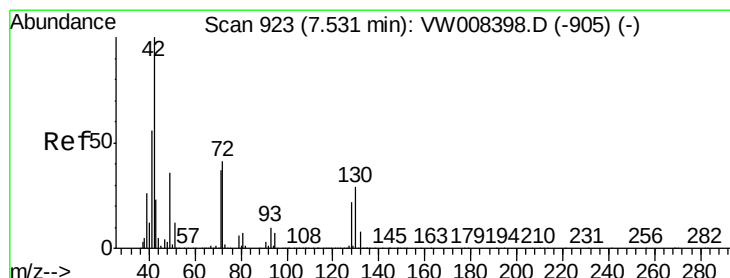
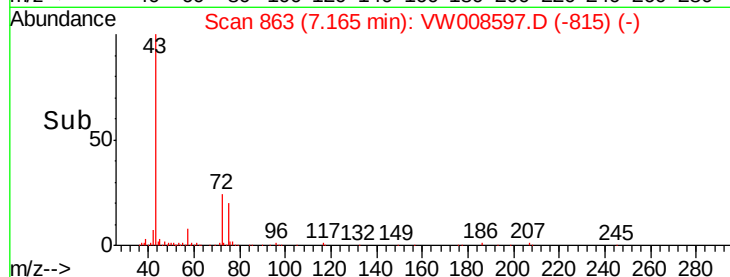
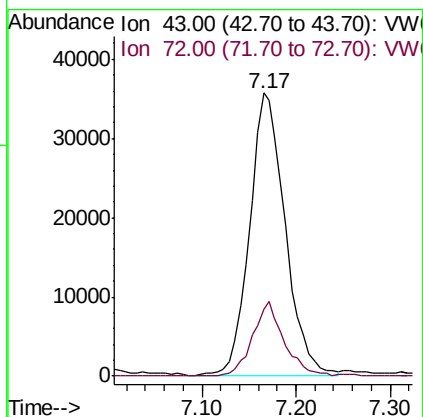
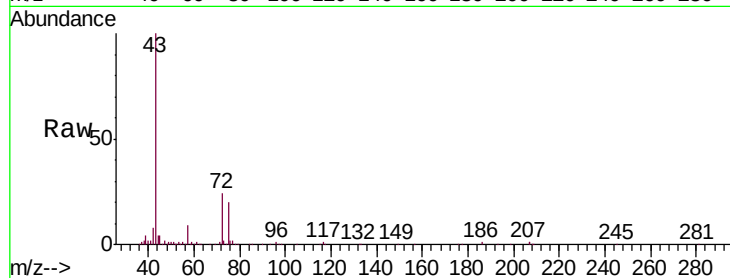
SB-2

Tgt Ion: 43 Resp: 93806

Ion Ratio Lower Upper

43 100

72 23.8 20.1 30.1



#29

Tetrahydrofuran

Concen: 2.345 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008597.D

Acq: 11 Feb 2019 15:08

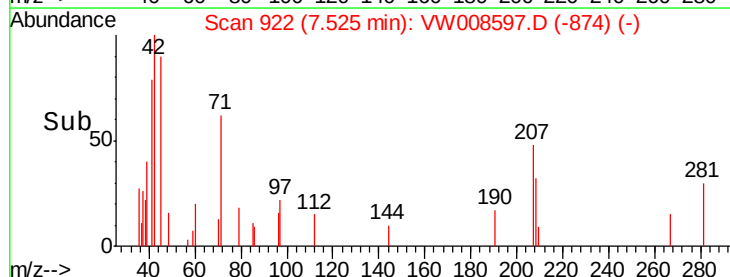
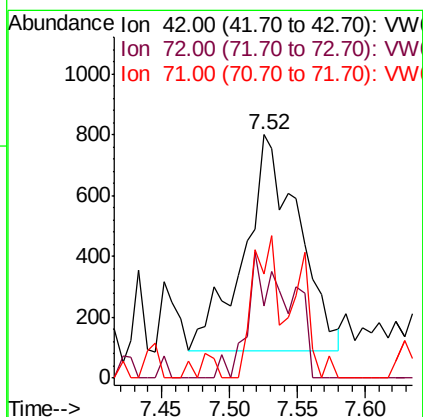
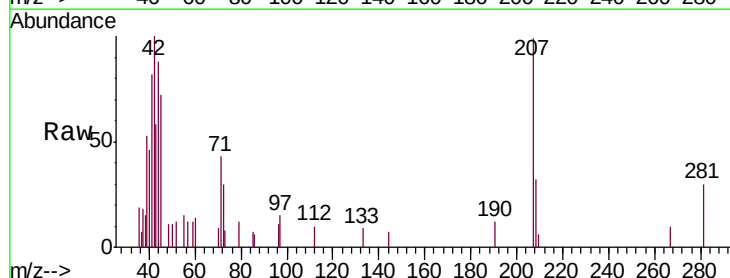
Tgt Ion: 42 Resp: 1990

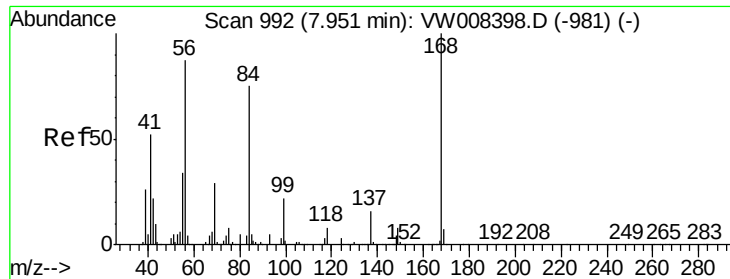
Ion Ratio Lower Upper

42 100

72 44.3 31.9 47.9

71 32.5 29.9 44.9

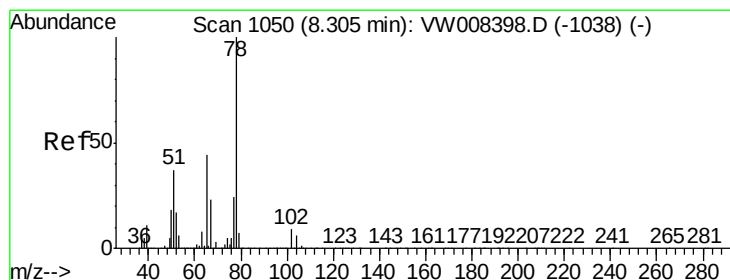
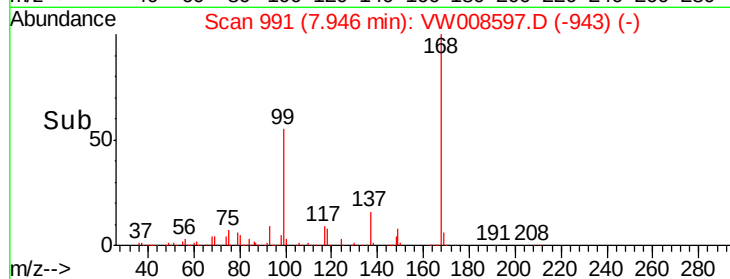
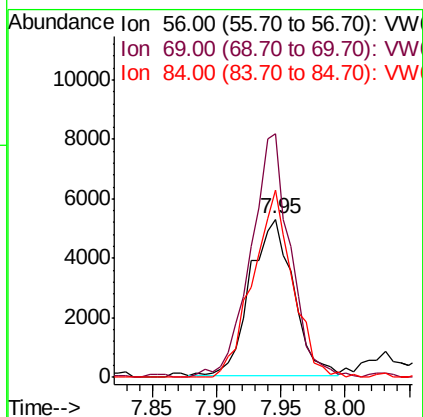
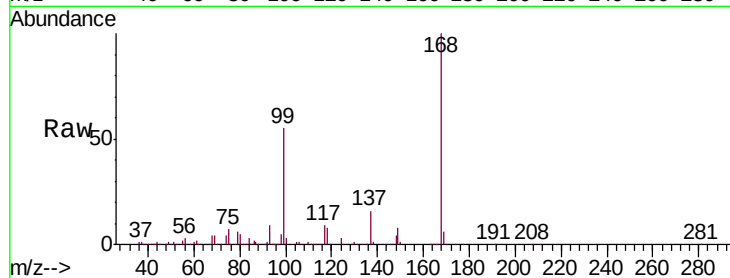




#31
Cyclohexane
Concen: 1.450 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

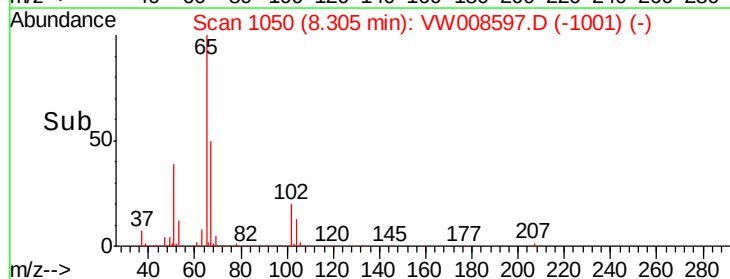
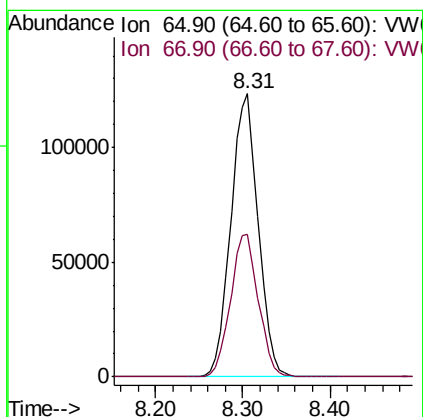
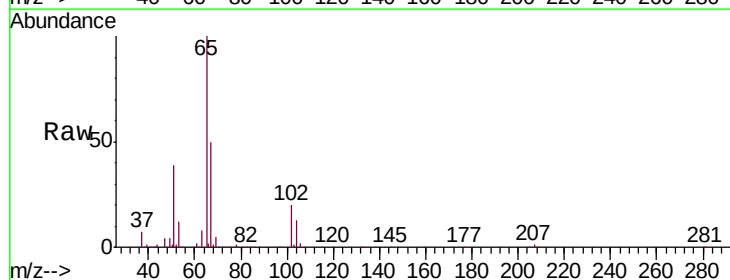
Instrument :
MSVOA_W
ClientSampled :
SB-2

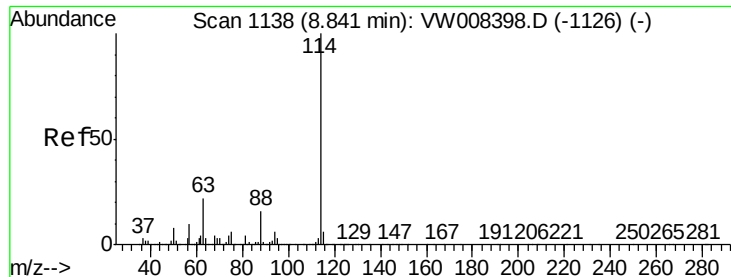
Tgt Ion: 56 Resp: 12221
Ion Ratio Lower Upper
56 100
69 155.7 26.4 39.6#
84 119.6 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 62.637 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

Tgt Ion: 65 Resp: 268941
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.0

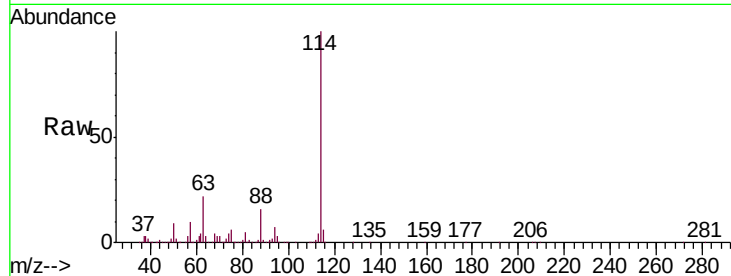




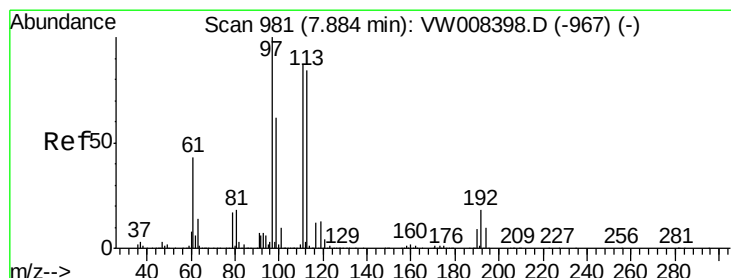
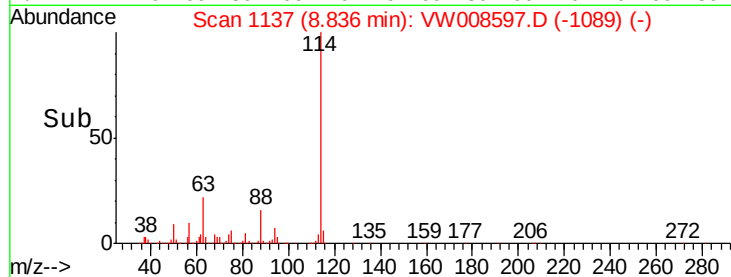
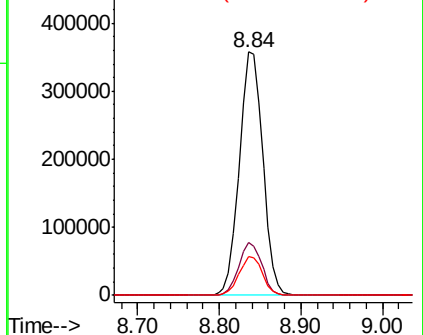
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

Instrument :
MSVOA_W
ClientSampleId :
SB-2

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.6
88	15.8	0.0	31.8

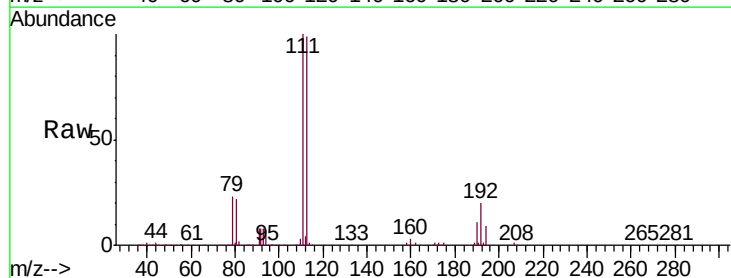


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

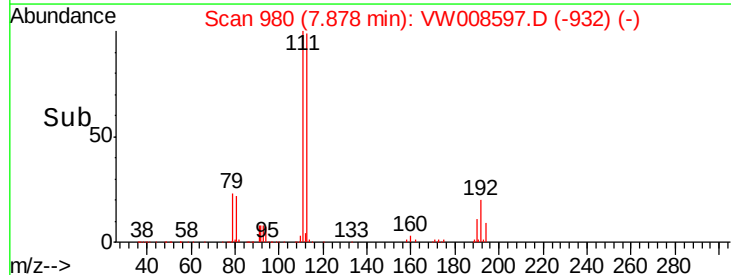
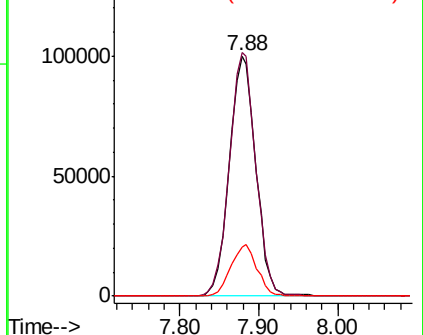


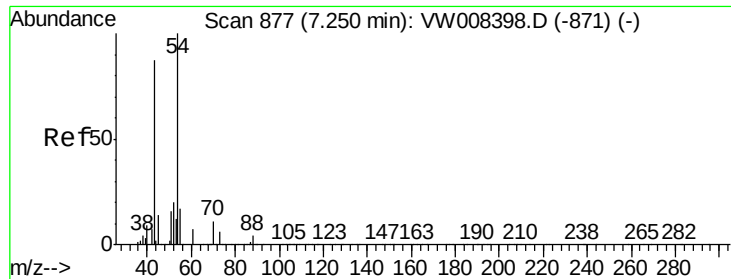
#35
Dibromofluoromethane
Concen: 55.988 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.0	121.4
192	21.2	16.8	25.2



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

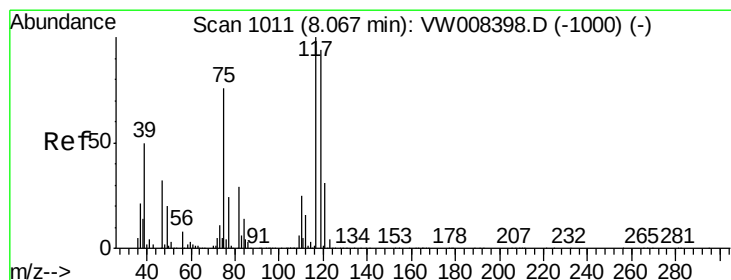
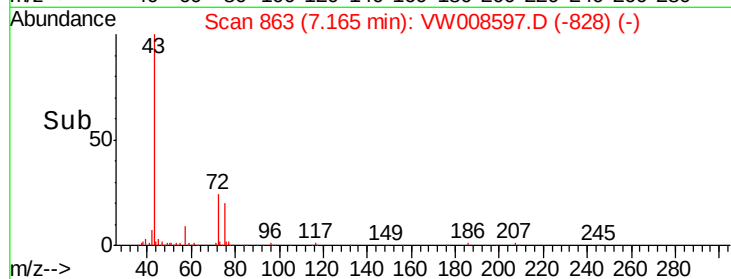
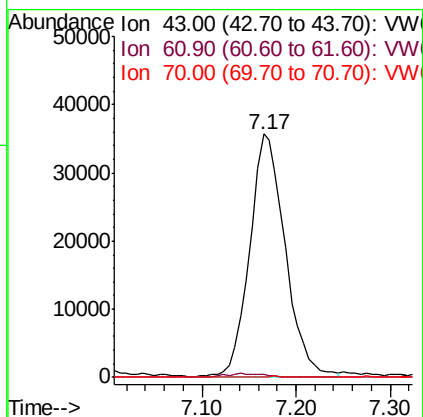
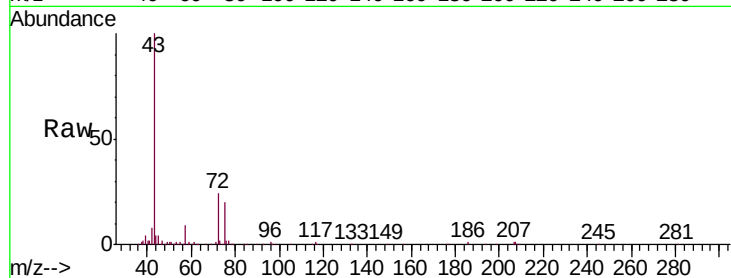




#37
 Ethyl Acetate
 Concen: 31.584 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VW008597.D
 Acq: 11 Feb 2019 15:08

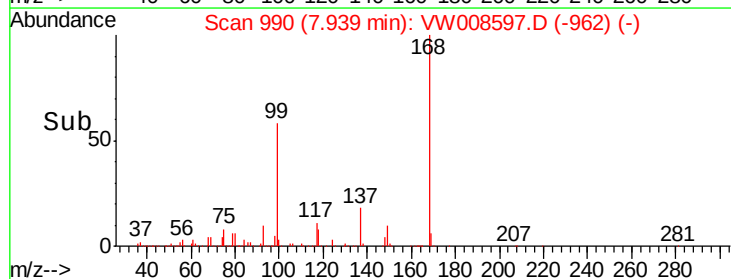
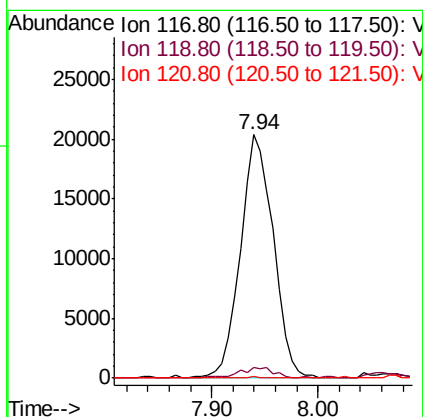
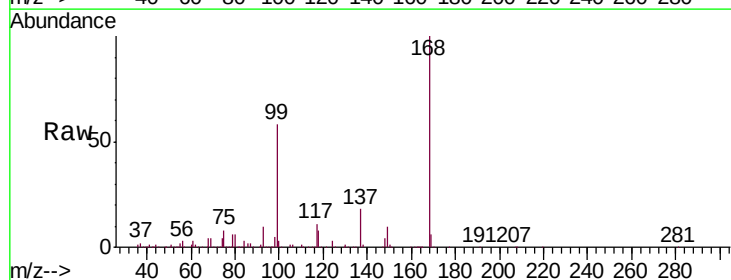
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-2

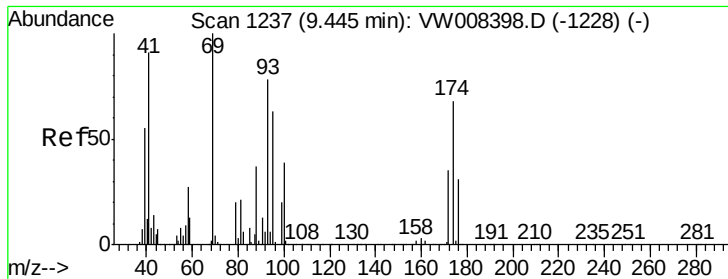
Tgt Ion: 43 Resp: 93806
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.1 15.1#
 70 0.1 7.8 11.6#



#38
 Carbon Tetrachloride
 Concen: 6.533 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW008597.D
 Acq: 11 Feb 2019 15:08

Tgt Ion: 117 Resp: 44129
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.0 112.4#
 121 0.6 24.9 37.3#

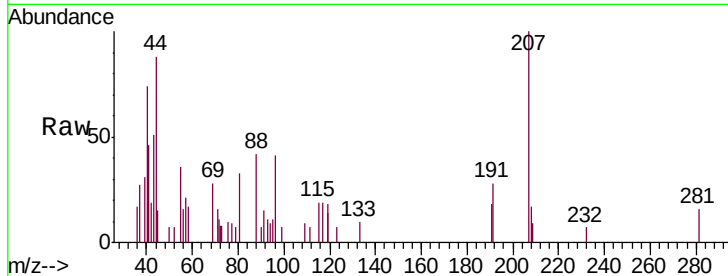




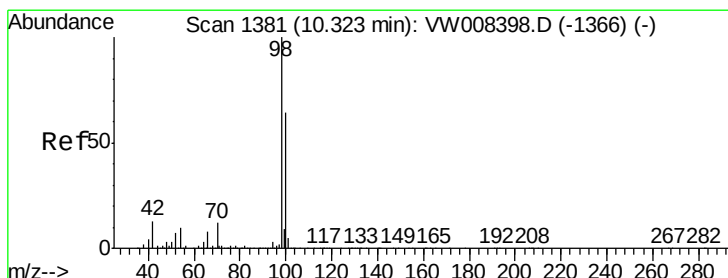
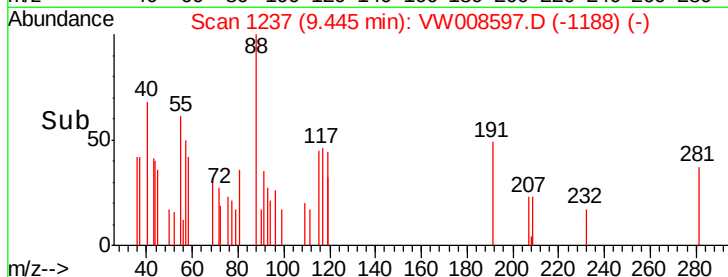
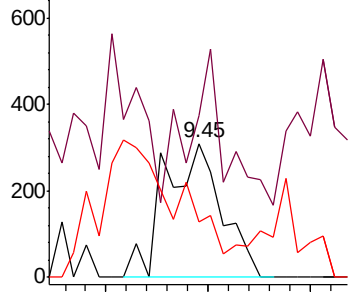
#49
1,4-Dioxane
Concen: 14.884 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

Instrument :
MSVOA_W
ClientSampled :
SB-2

Tgt Ion: 88 Resp: 601
Ion Ratio Lower Upper
88 100
43 72.4 29.0 43.4#
58 0.0 56.4 84.6#

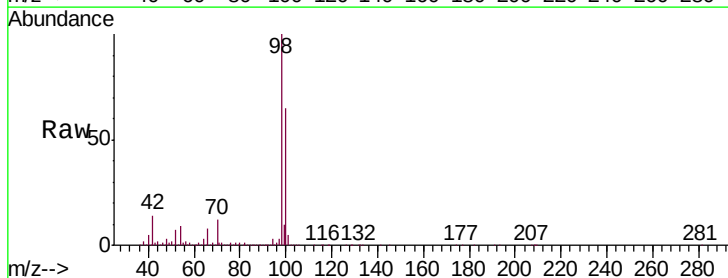


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

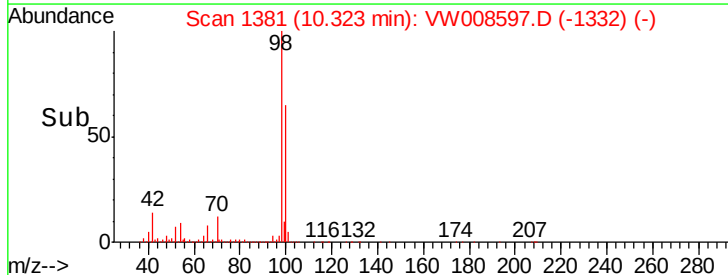
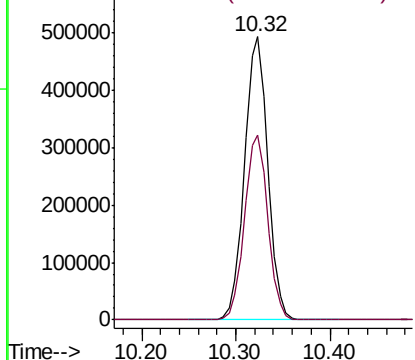


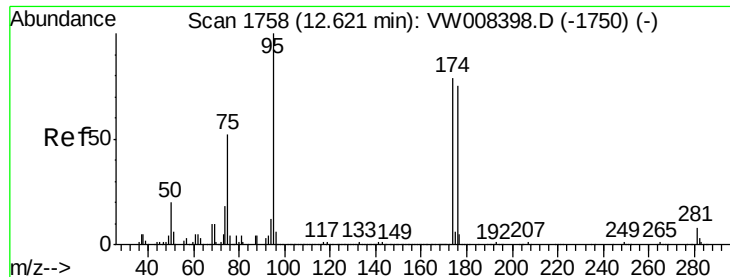
#50
Toluene-d8
Concen: 50.987 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

Tgt Ion: 98 Resp: 849628
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



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

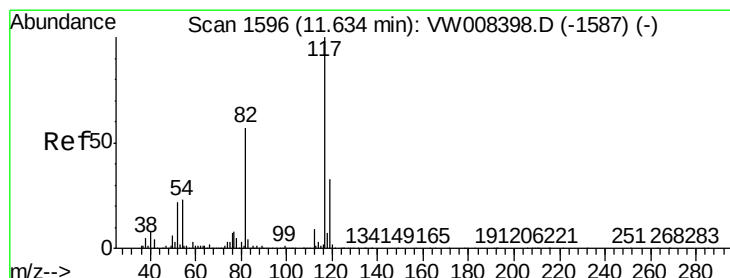
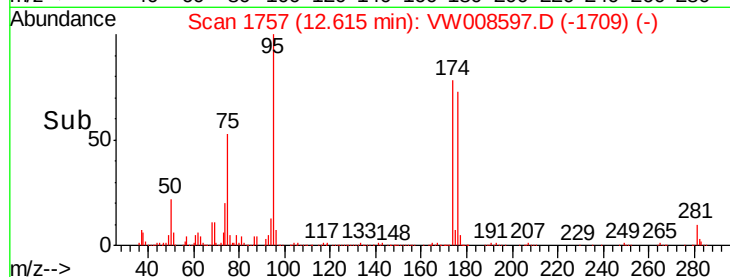
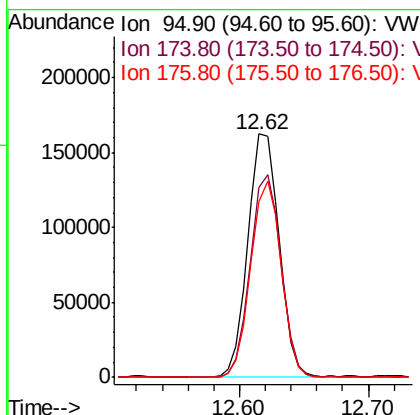
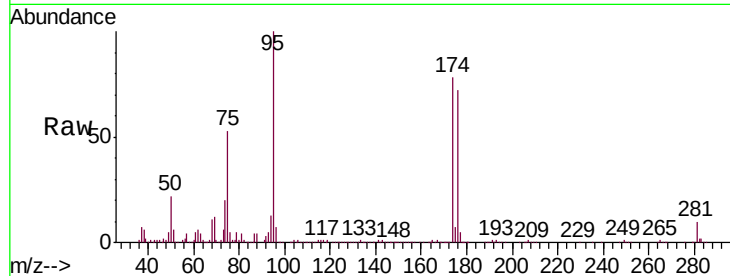




#62
4-Bromofluorobenzene
Concen: 42.219 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

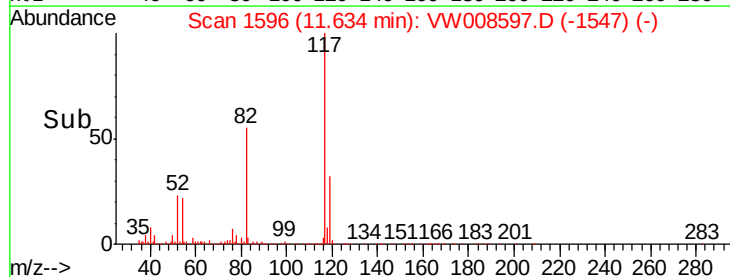
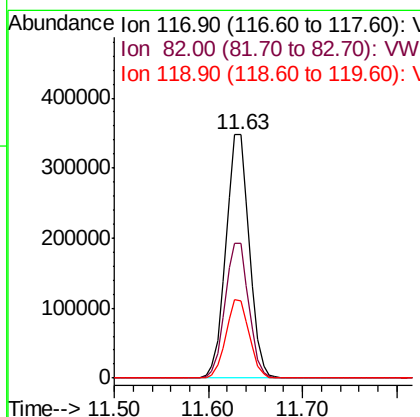
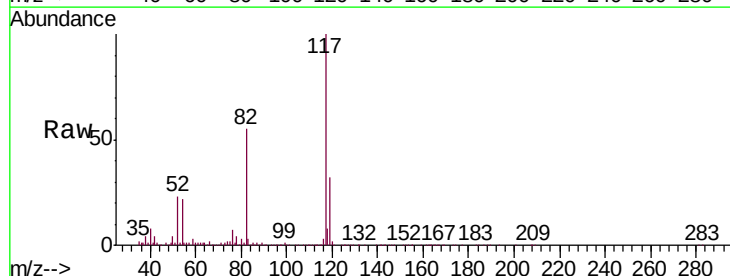
Instrument :
MSVOA_W
ClientSampleId :
SB-2

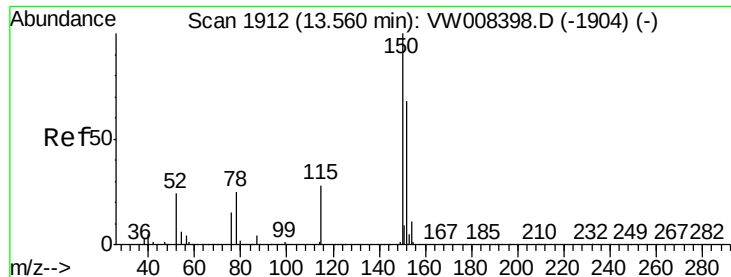
Tgt Ion: 95 Resp: 270427
Ion Ratio Lower Upper
95 100
174 82.5 0.0 157.6
176 78.7 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

Tgt Ion: 117 Resp: 595570
Ion Ratio Lower Upper
117 100
82 55.1 45.4 68.0
119 31.8 26.2 39.4



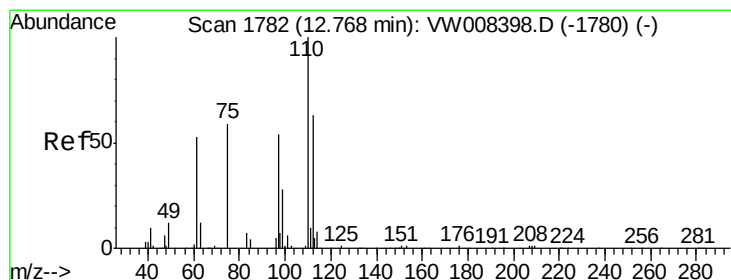
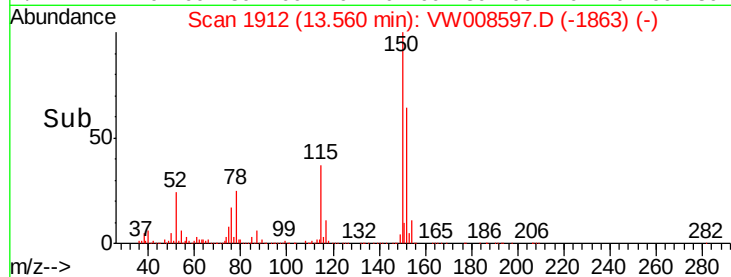
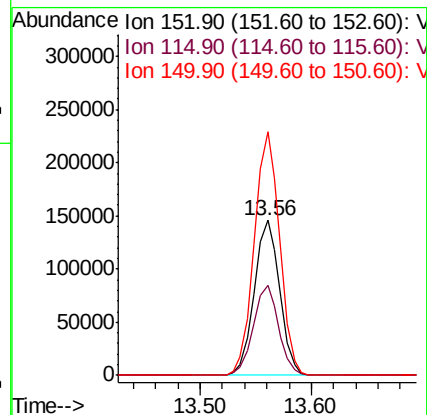
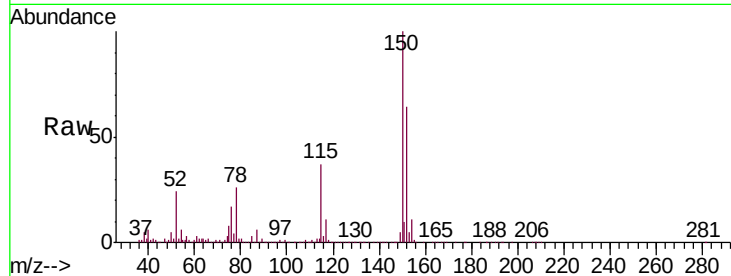


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

Instrument :
MSVOA_W
ClientSampled :
SB-2

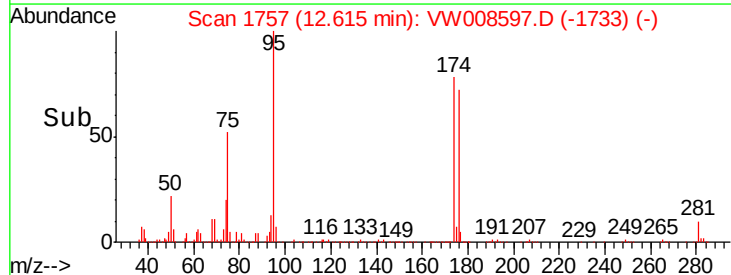
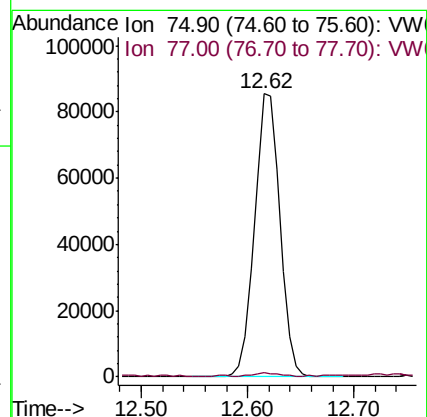
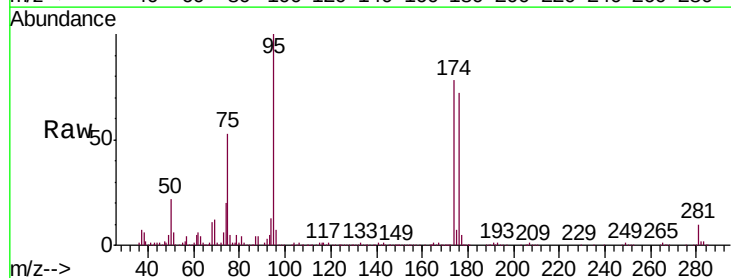
Tgt Ion: 152 Resp: 231002
Ion Ratio Lower Upper
152 100
115 57.3 29.9 89.7
150 157.0 0.0 351.4

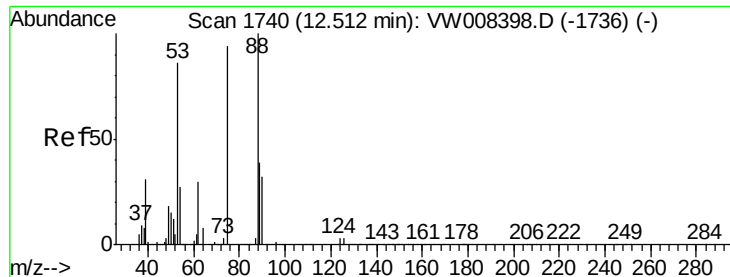


#76

1,2,3-Trichloropropane
Concen: 71.209 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008597.D
Acq: 11 Feb 2019 15:08

Tgt Ion: 75 Resp: 143017
Ion Ratio Lower Upper
75 100
77 1.2 180.7 542.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 140.644 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008597.D

Acq: 11 Feb 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

SB-2

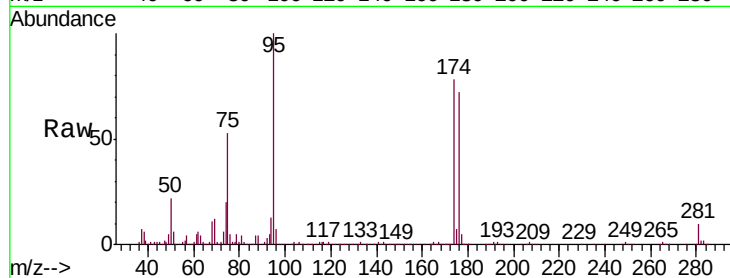
Tgt Ion: 75 Resp: 143017

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.0 35.4 53.0#



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

