

Data File : VW008209.D
Acq On : 11 Jan 2019 21:57
Operator : SY/VA
Sample : K1116-01
Misc : 6.70G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S49-IDW03

Quant Time: Jan 12 00:18:55 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	105245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	181820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	162233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	74187	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	58702	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	7.88	113	57410	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
50) Toluene-d8	10.32	98	224951	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.62	95	75165	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	

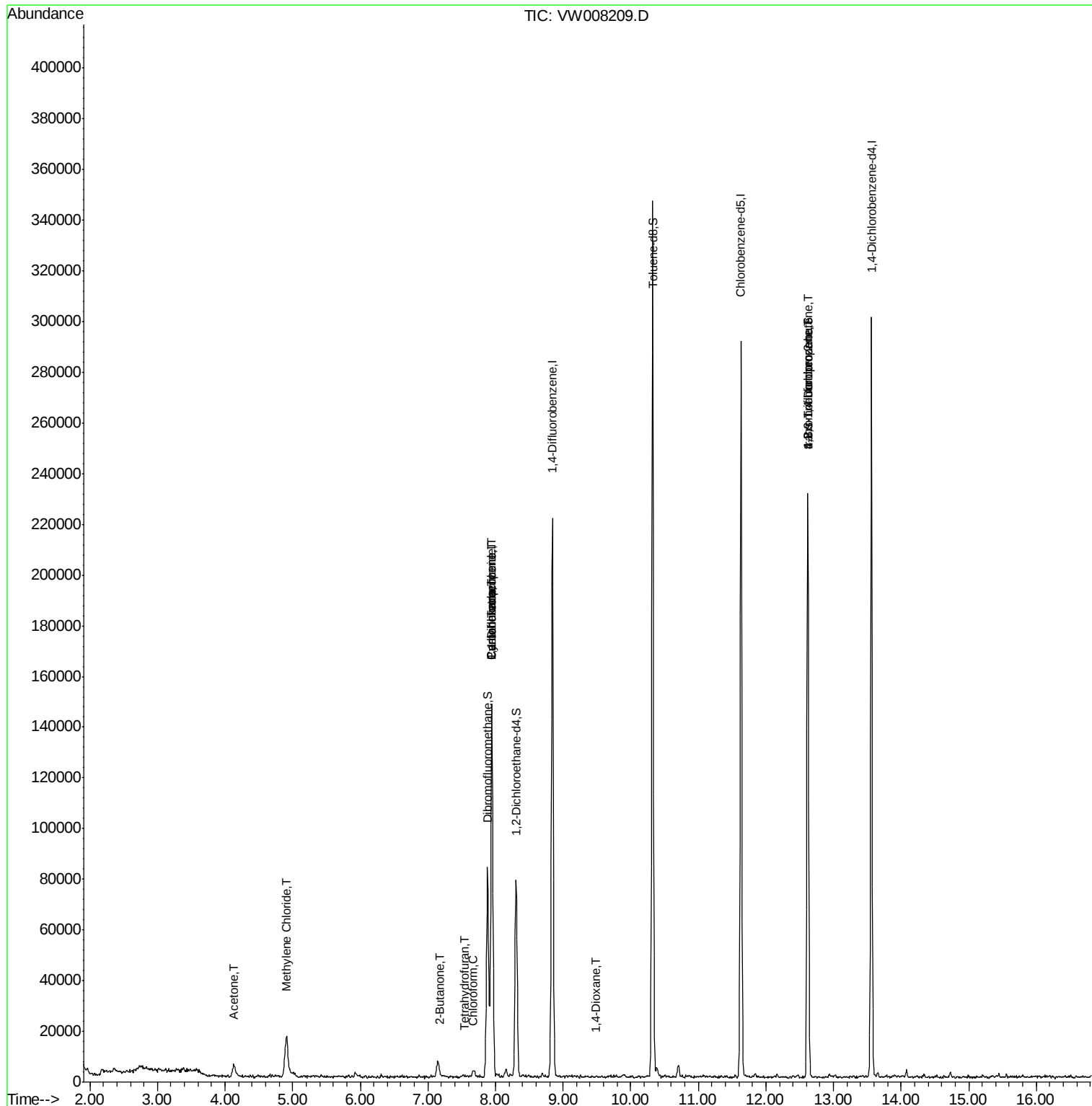
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.28	59	136	Below Cal	#	100
13) Acrolein	3.90	56	53	Below Cal	#	1
16) Acetone	4.12	43	9671	26.584	ug/l	89
20) Methylene Chloride	4.90	84	12564	6.616	ug/l	88
25) 2-Butanone	7.18	43	1225	3.722	ug/l #	88
29) Tetrahydrofuran	7.56	42	222	1.010	ug/l #	86
30) Chloroform	7.67	83	2575	1.163	ug/l #	79
31) Cyclohexane	7.95	56	5197	2.088	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	8758	4.676	ug/l #	50
38) Carbon Tetrachloride	7.95	117	10585	6.175	ug/l #	16
49) 1,4-Dioxane	9.48	88	20	2.010	ug/l #	11
76) 1,2,3-Trichloropropane	12.62	75	36920	54.592	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	36920	127.127	ug/l #	11

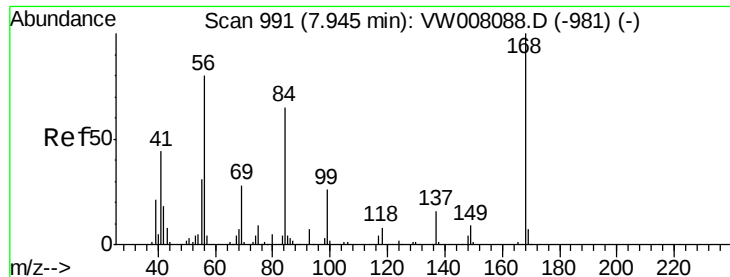
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008209.D

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Instrument :

MSVOA_W

ClientSampleId :

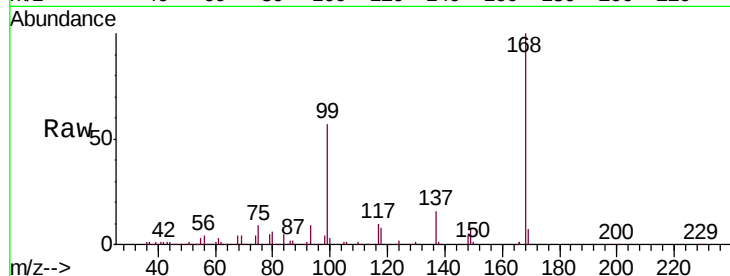
S49-IDW03

Tgt Ion: 168 Resp: 105245

Ion Ratio Lower Upper

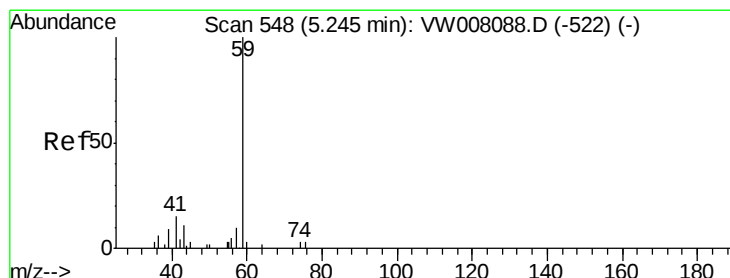
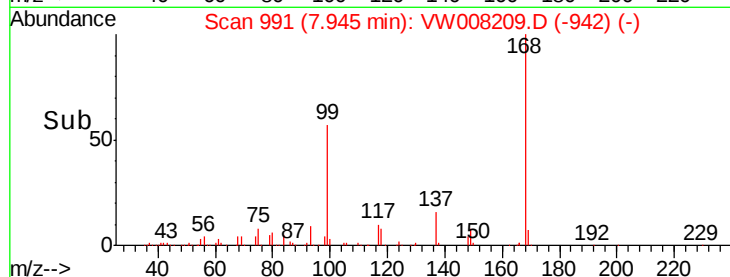
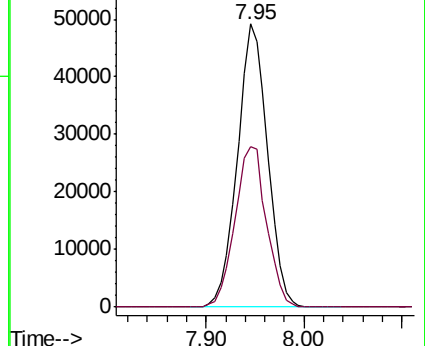
168 100

99 56.8 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.28 min Scan# 553

Delta R.T. 0.03 min

Lab File: VW008209.D

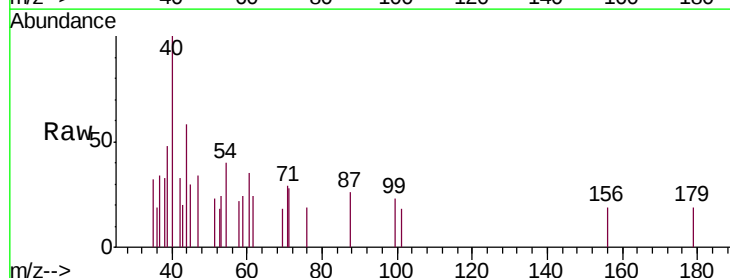
Acq: 11 Jan 2019 21:57

Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

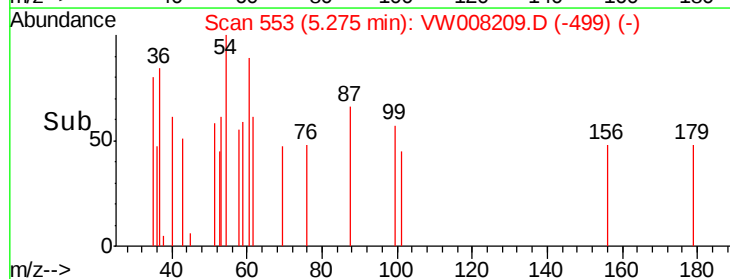
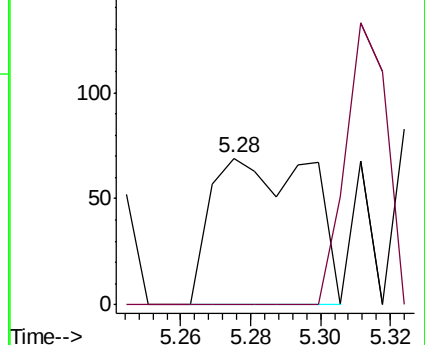
59 100

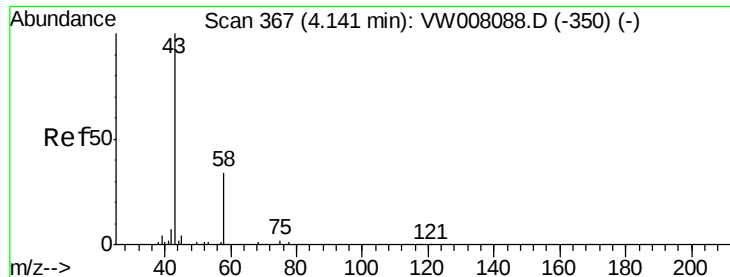
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

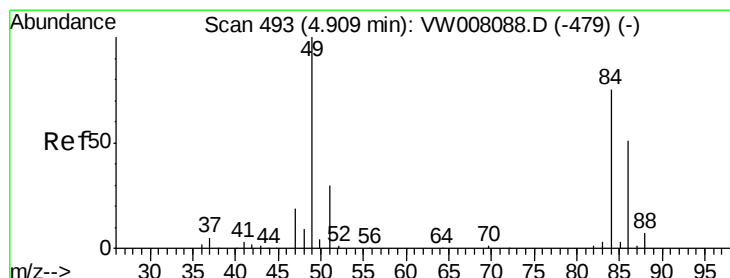
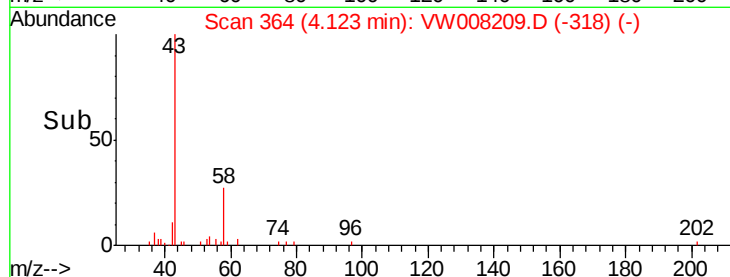
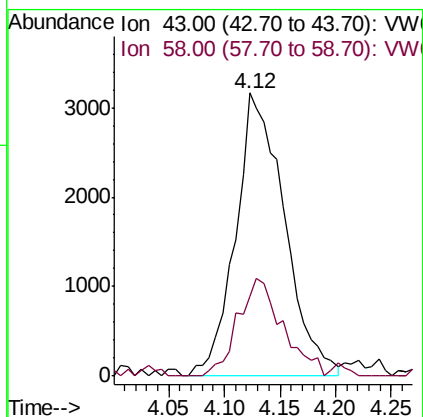
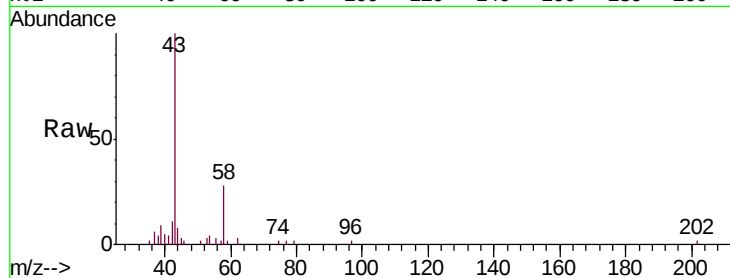




#16
Acetone
Concen: 26.584 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.02 min
Lab File: VW008209.D
Acq: 11 Jan 2019 21:57

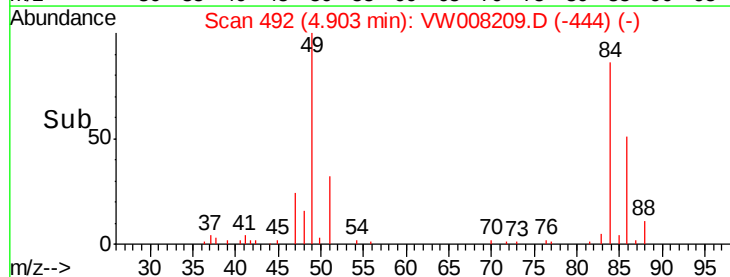
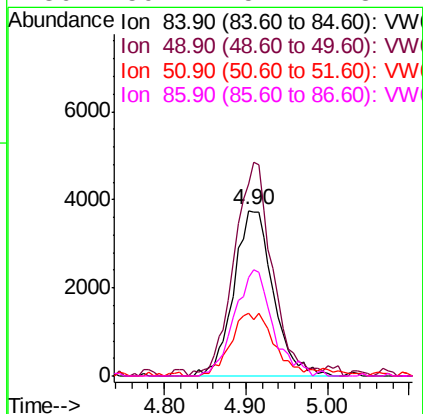
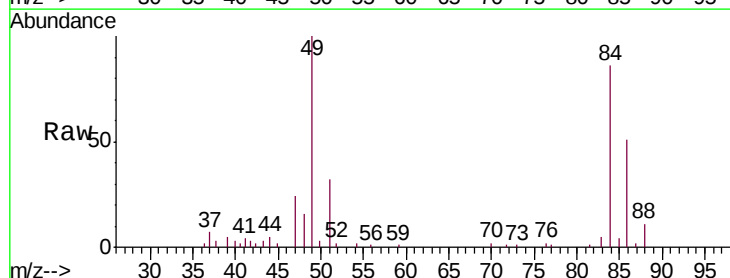
Instrument :
MSVOA_W
ClientSampleId :
S49-IDW03

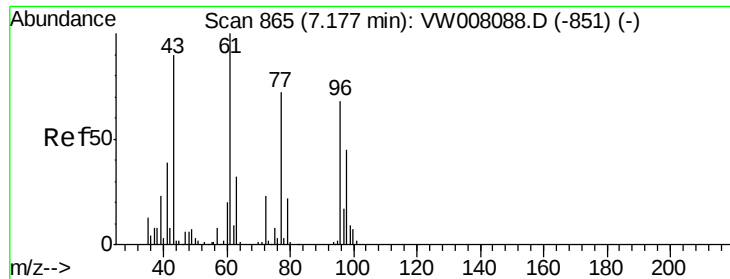
Tgt Ion: 43 Resp: 9671
Ion Ratio Lower Upper
43 100
58 28.1 27.5 41.3



#20
Methylene Chloride
Concen: 6.616 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008209.D
Acq: 11 Jan 2019 21:57

Tgt Ion: 84 Resp: 12564
Ion Ratio Lower Upper
84 100
49 116.6 107.1 160.7
51 37.7 32.4 48.6
86 59.4 54.2 81.4

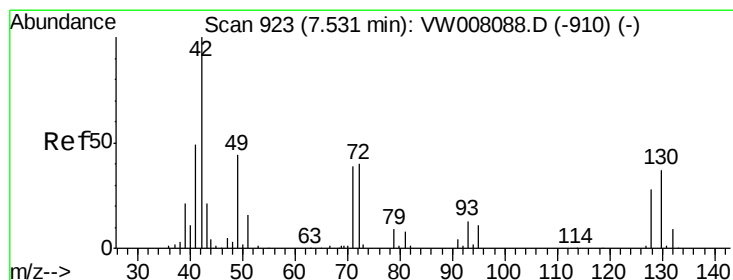
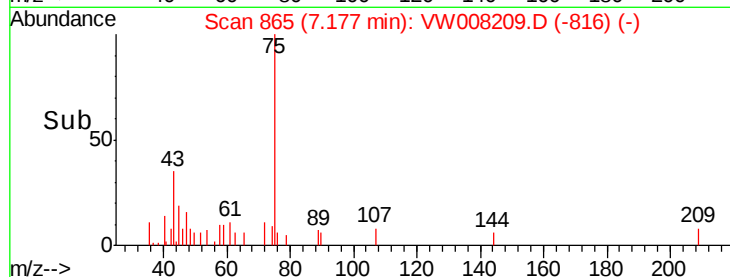
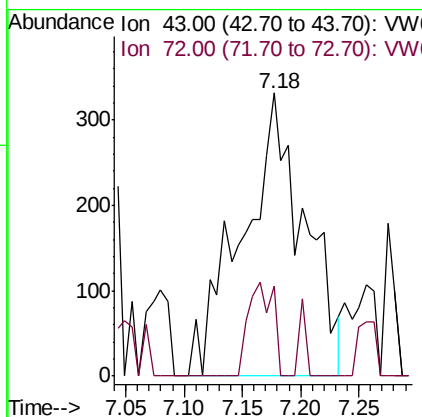
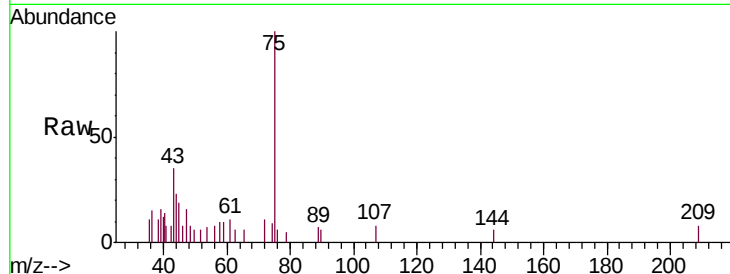




#25
2-Butanone
Concen: 3.722 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW008209.D
Acq: 11 Jan 2019 21:57

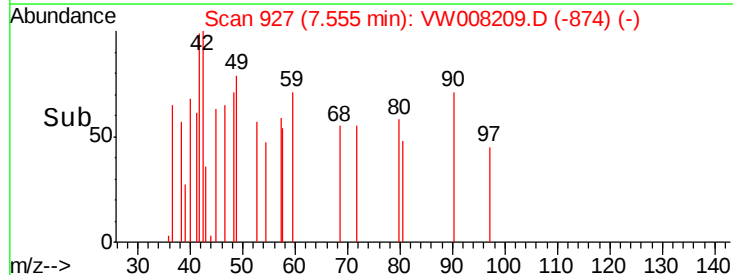
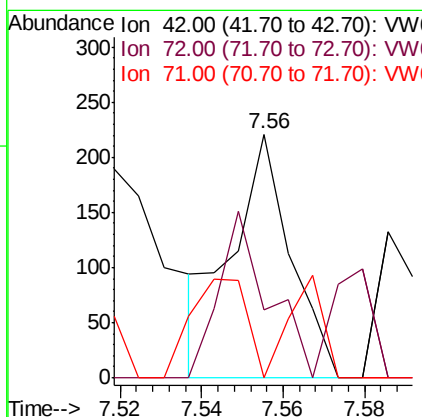
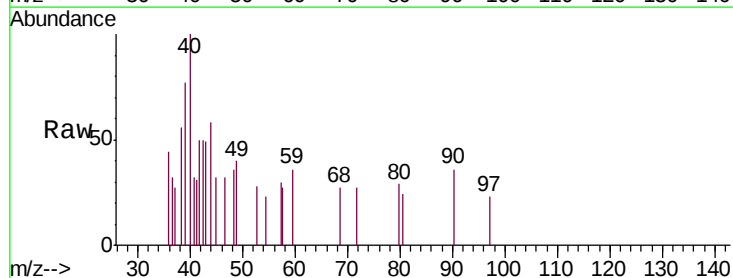
Instrument :
MSVOA_W
ClientSampleId :
S49-IDW03

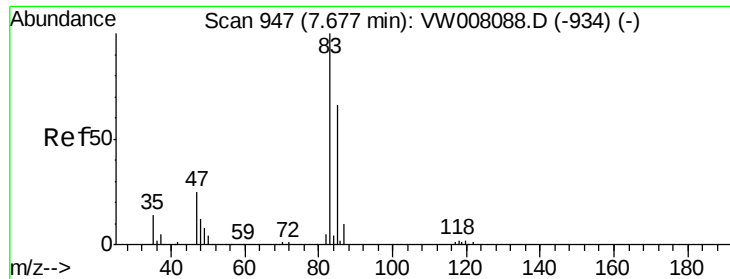
Tgt Ion: 43 Resp: 1225
Ion Ratio Lower Upper
43 100
72 31.9 20.5 30.7#



#29
Tetrahydrofuran
Concen: 1.010 ug/l
RT: 7.56 min Scan# 927
Delta R.T. 0.02 min
Lab File: VW008209.D
Acq: 11 Jan 2019 21:57

Tgt Ion: 42 Resp: 222
Ion Ratio Lower Upper
42 100
72 57.2 32.4 48.6#
71 38.7 31.3 46.9





#30

Chloroform

Concen: 1.163 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW008209.D

Acq: 11 Jan 2019 21:57

Instrument :

MSVOA_W

ClientSampleId :

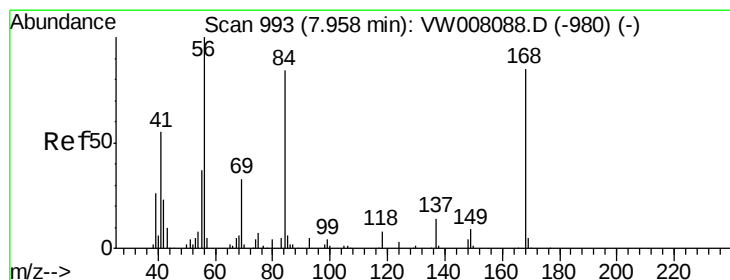
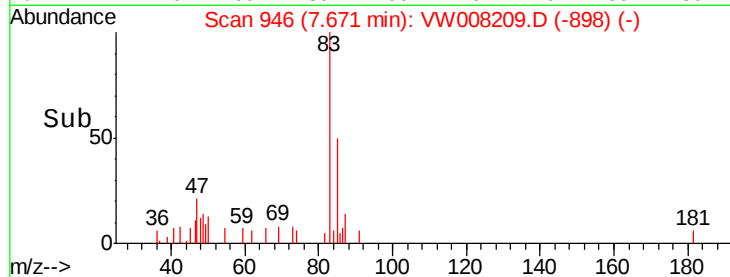
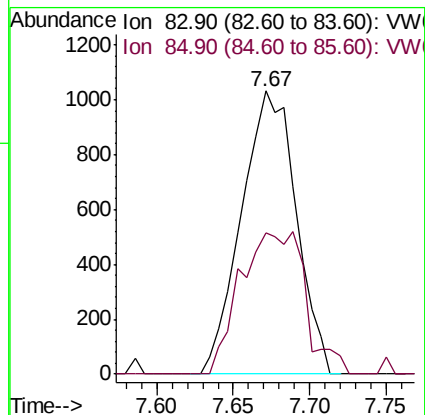
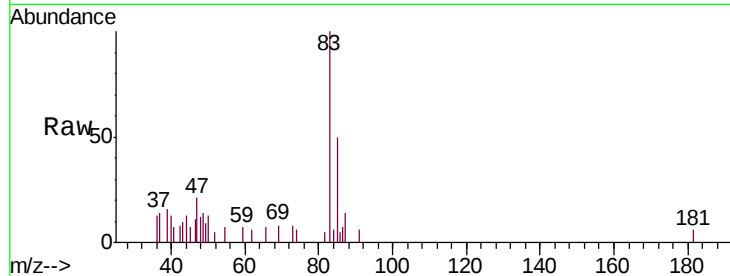
S49-IDW03

Tgt Ion: 83 Resp: 2575

Ion Ratio Lower Upper

83 100

85 49.8 53.2 79.8#



#31

Cyclohexane

Concen: 2.088 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008209.D

Acq: 11 Jan 2019 21:57

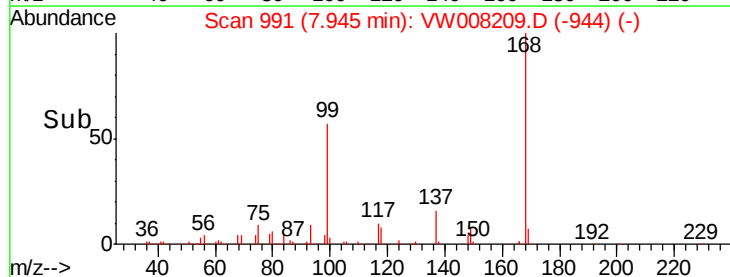
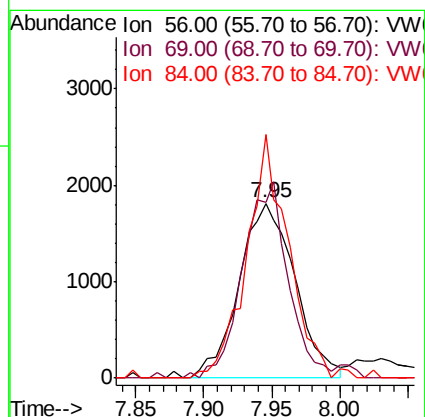
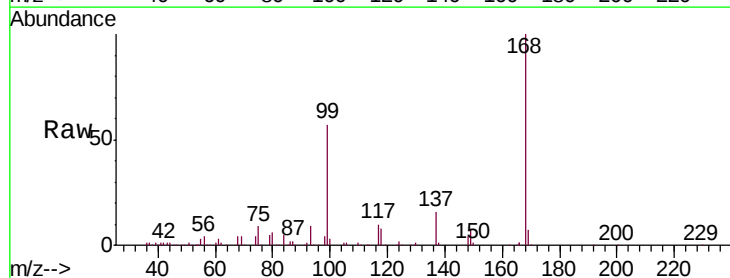
Tgt Ion: 56 Resp: 5197

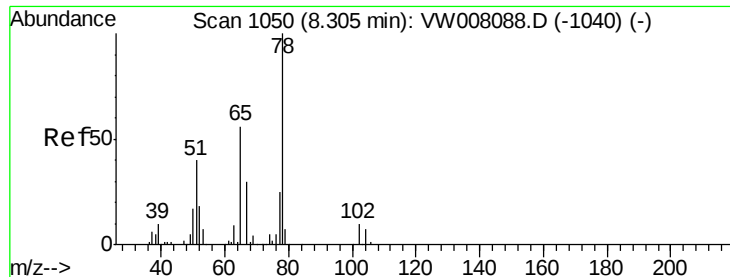
Ion Ratio Lower Upper

56 100

69 98.0 26.2 39.4#

84 139.6 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 49.627 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008209.D

Acq: 11 Jan 2019 21:57

Instrument :

MSVOA_W

ClientSampleId :

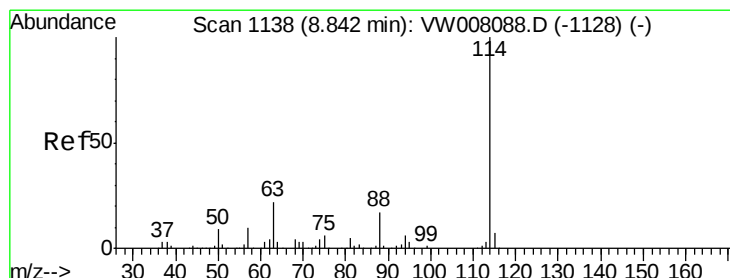
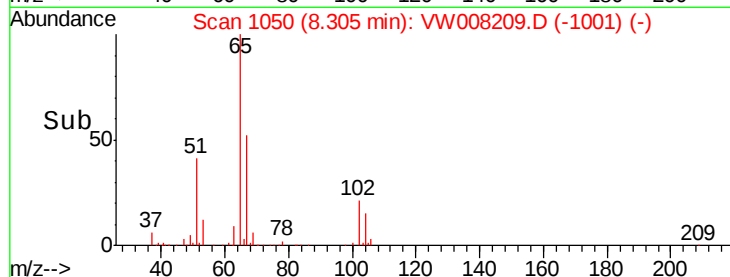
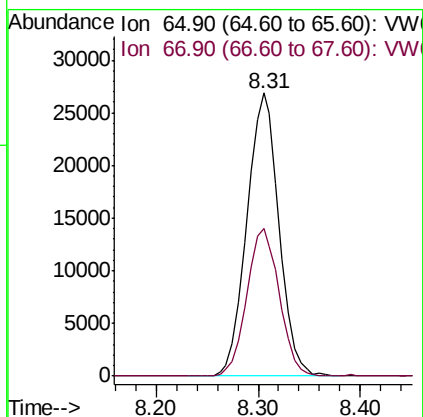
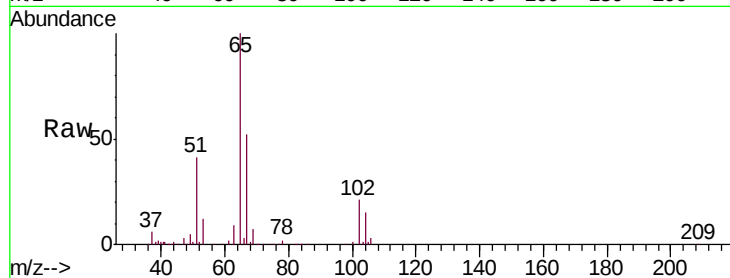
S49-IDW03

Tgt Ion: 65 Resp: 58702

Ion Ratio Lower Upper

65 100

67 52.9 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: VW008209.D

Acq: 11 Jan 2019 21:57

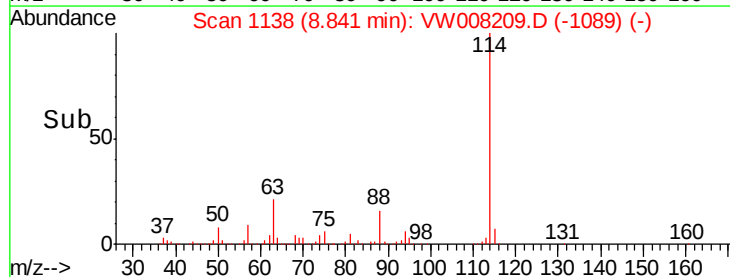
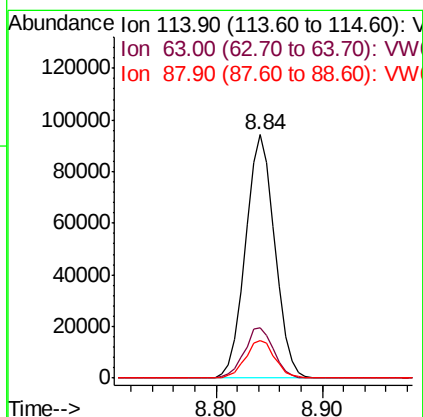
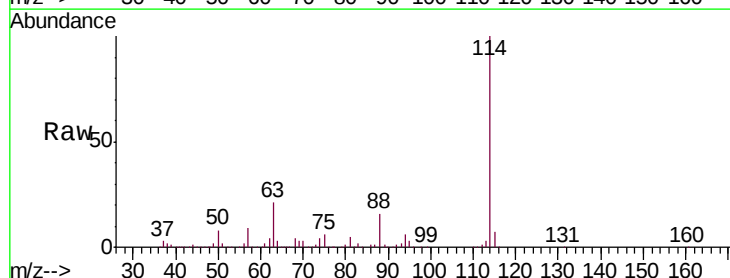
Tgt Ion: 114 Resp: 181820

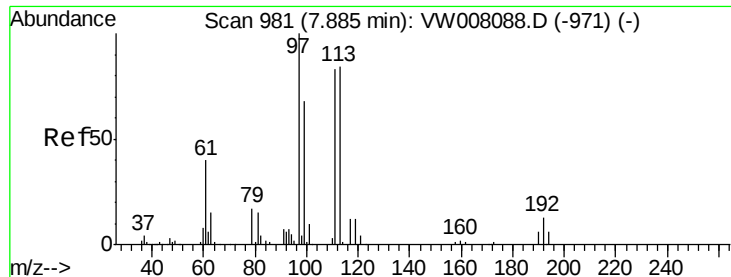
Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.4

88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.138 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008209.D

Acq: 11 Jan 2019 21:57

Instrument :

MSVOA_W

ClientSampleId :

S49-IDW03

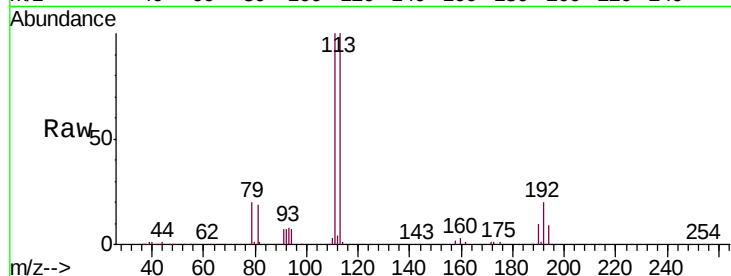
Tgt Ion:113 Resp: 57410

Ion Ratio Lower Upper

113 100

111 100.8 81.8 122.8

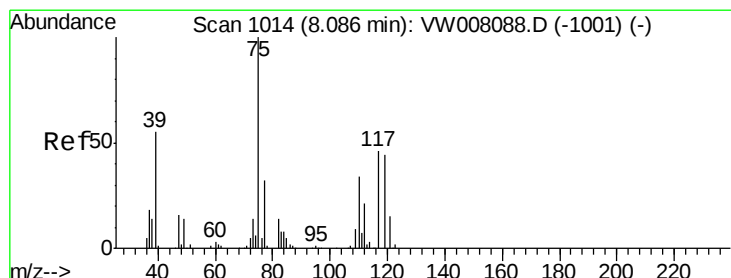
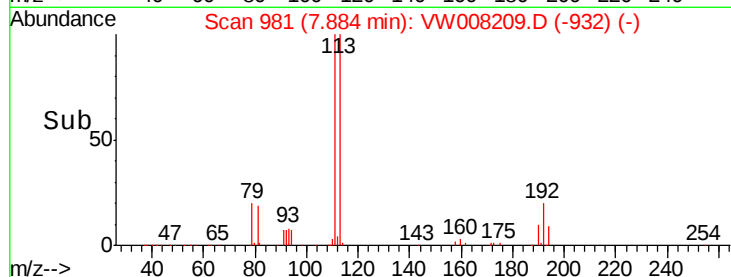
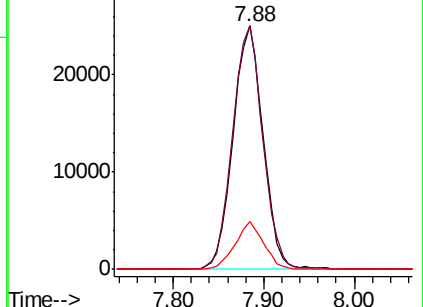
192 18.7 12.8 19.2



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: 4.676 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008209.D

Acq: 11 Jan 2019 21:57

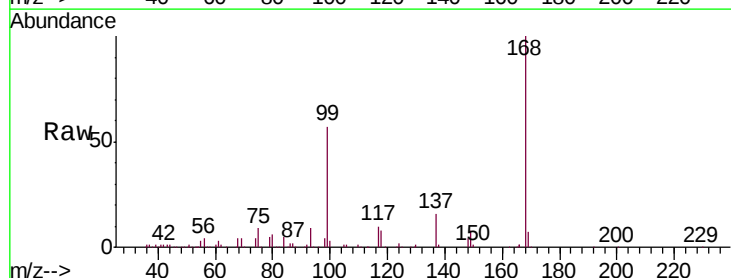
Tgt Ion: 75 Resp: 8758

Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.3#

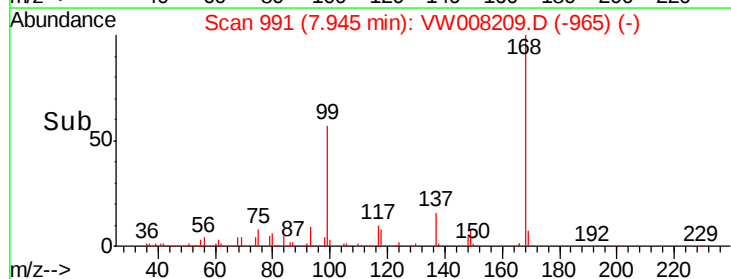
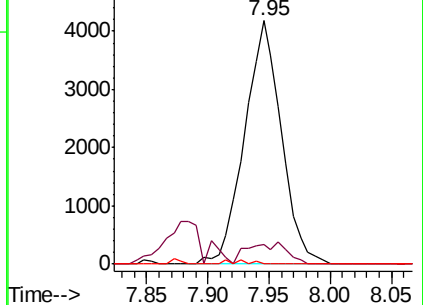
77 0.0 25.5 38.3#

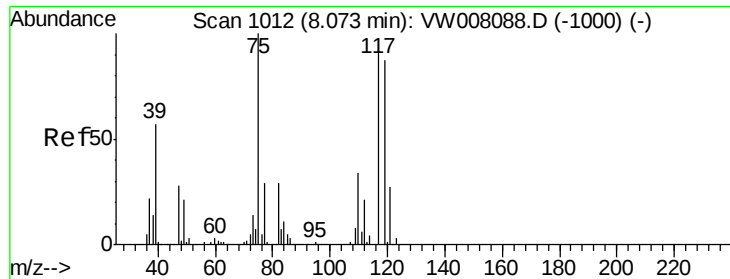


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

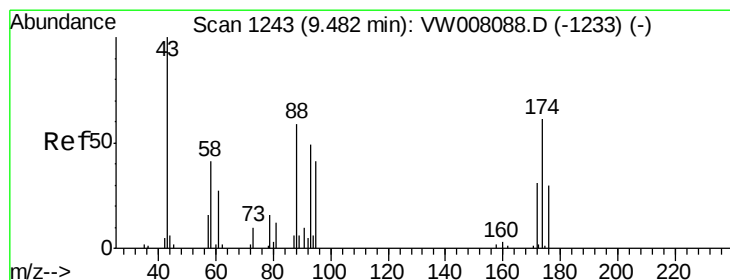
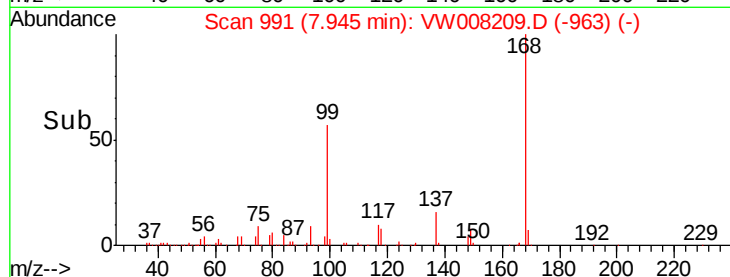
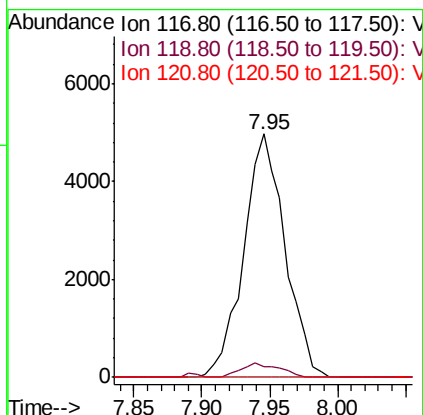
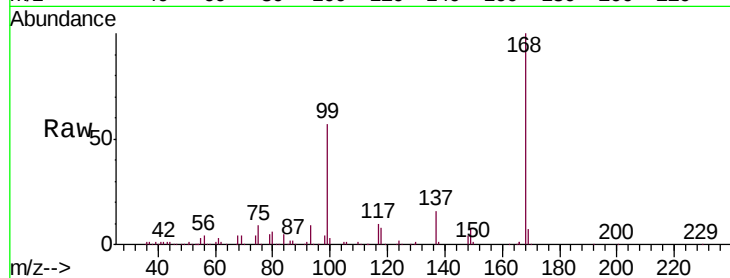




#38
Carbon Tetrachloride
Concen: 6.175 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008209.D
Acq: 11 Jan 2019 21:57

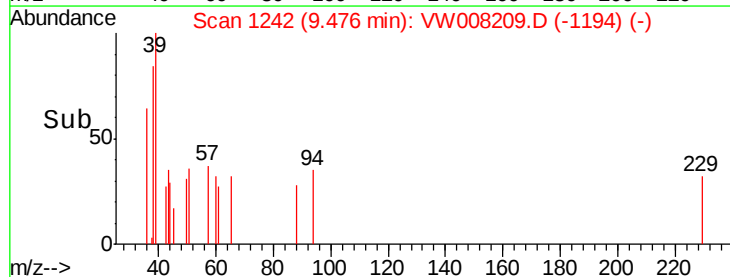
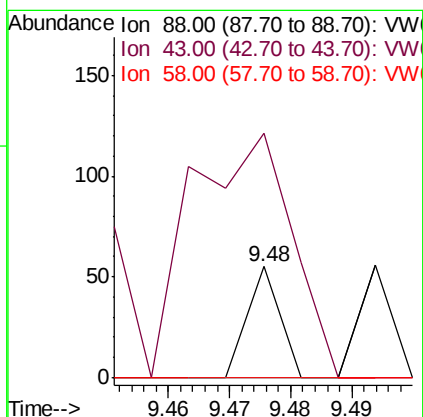
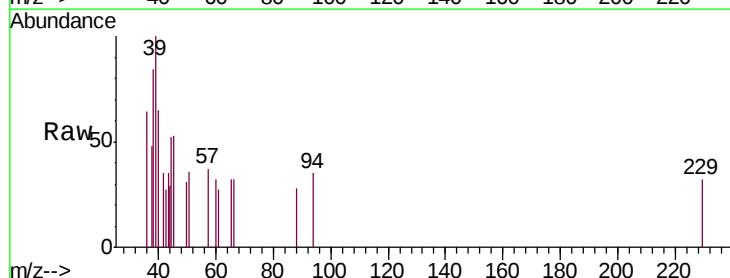
Instrument :
MSVOA_W
ClientSampled :
S49-IDW03

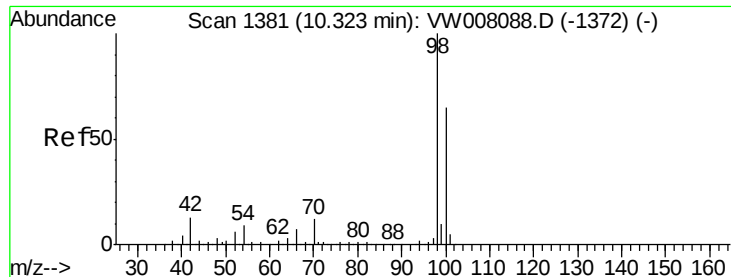
Tgt Ion: 117 Resp: 10585
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 23.7 35.5#



#49
1,4-Dioxane
Concen: 2.010 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW008209.D
Acq: 11 Jan 2019 21:57

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 690.0 0.0 0.0#
58 0.0 61.7 92.5#

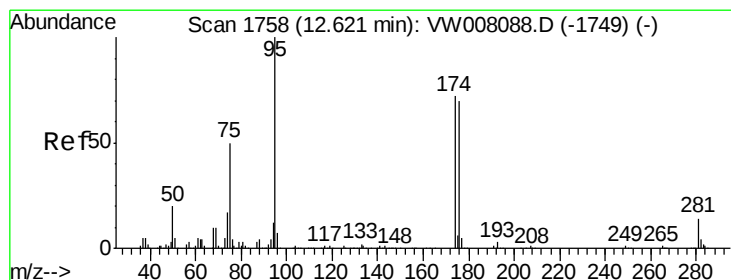
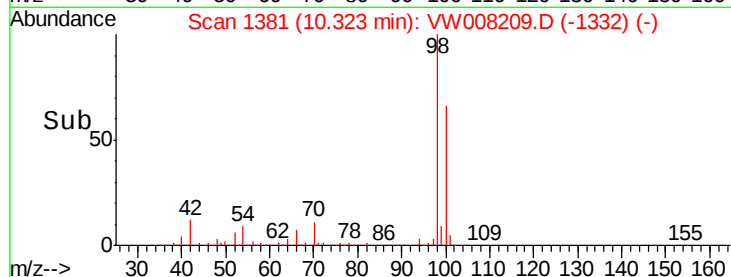
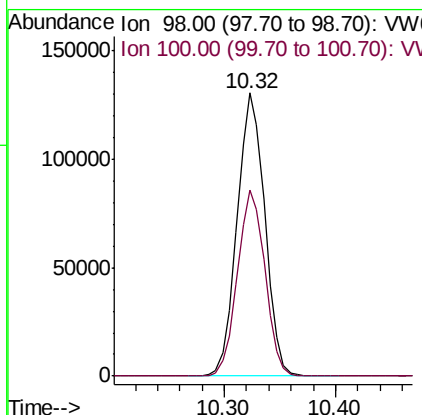
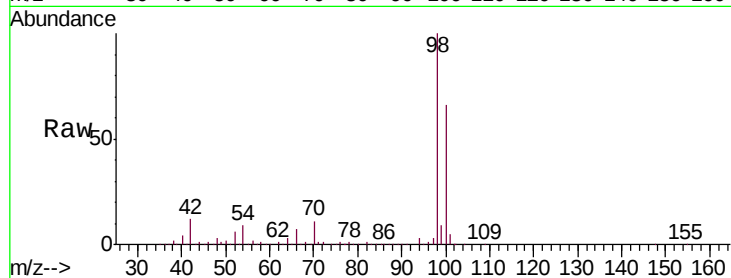




#50
Toluene-d8
Concen: 50.550 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008209.D
Acq: 11 Jan 2019 21:57

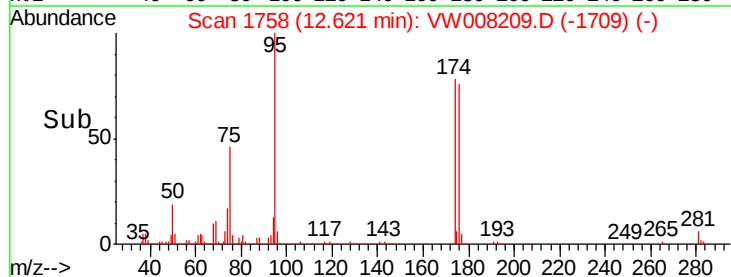
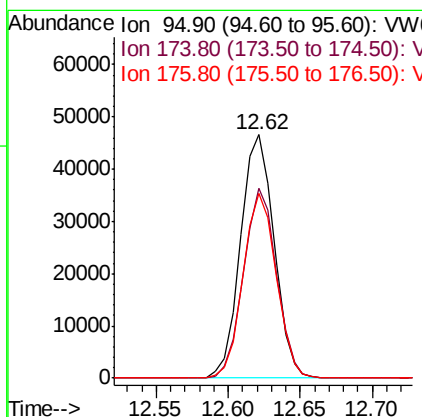
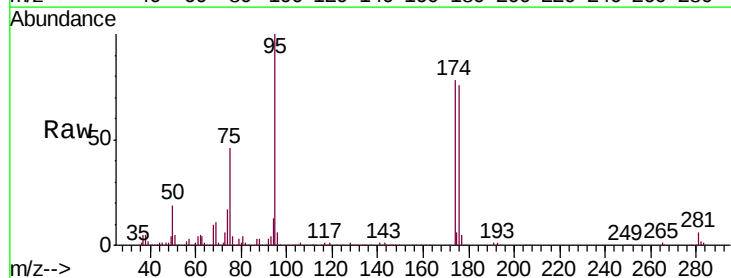
Instrument :
MSVOA_W
ClientSampled :
S49-IDW03

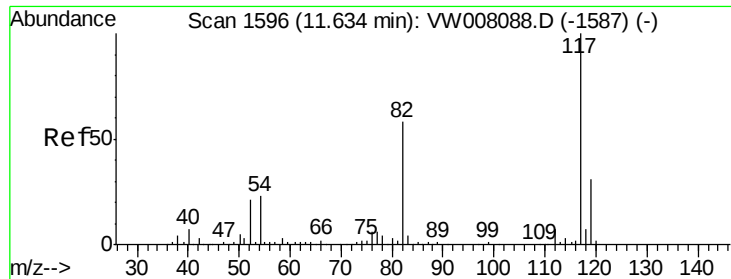
Tgt Ion: 98 Resp: 224951
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.116 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008209.D
Acq: 11 Jan 2019 21:57

Tgt Ion: 95 Resp: 75165
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.0
176 74.6 0.0 140.2

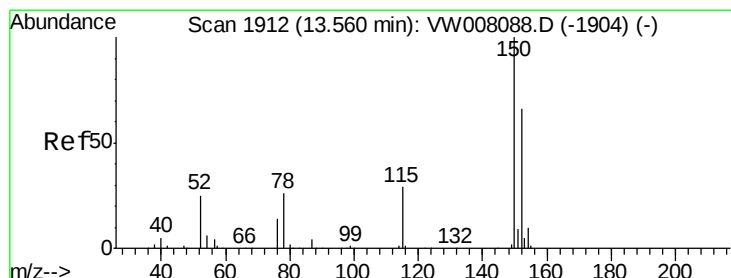
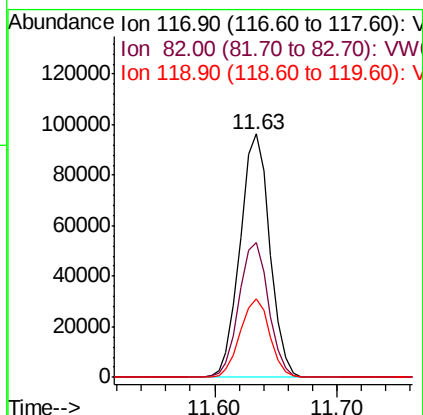
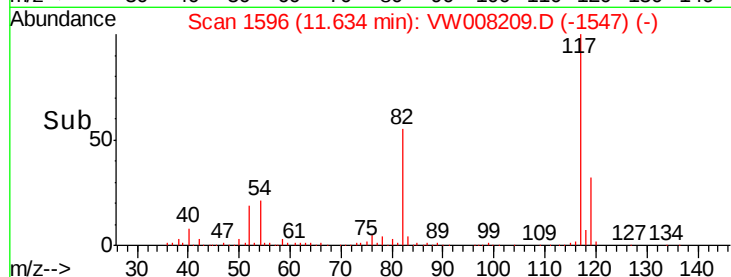
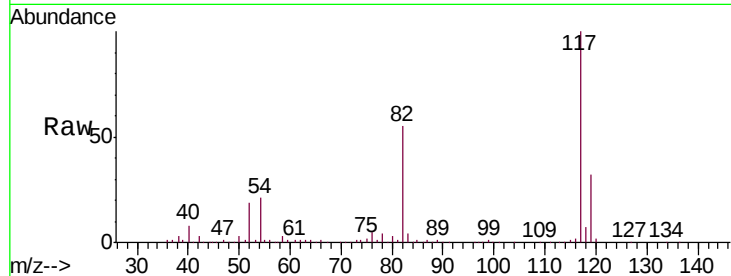




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008209.D
Acq: 11 Jan 2019 21:57

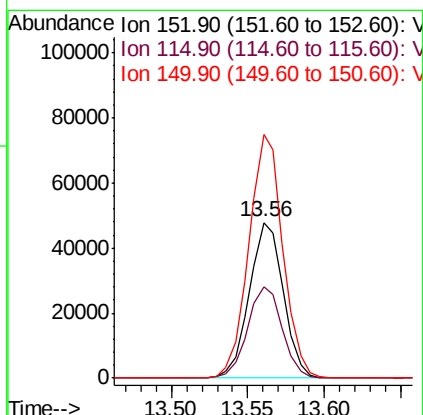
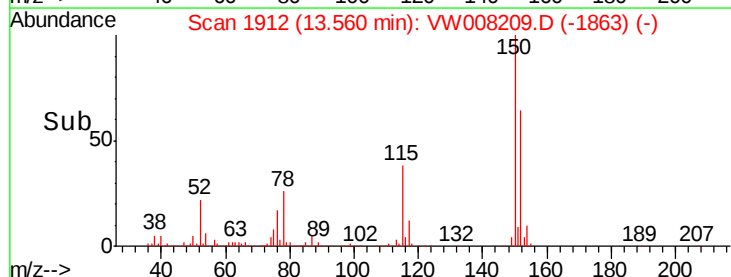
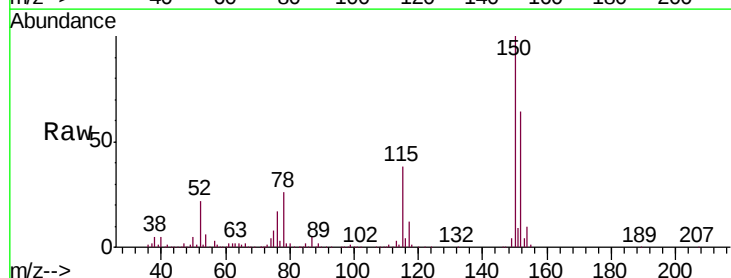
Instrument :
MSVOA_W
ClientSampleId :
S49-IDW03

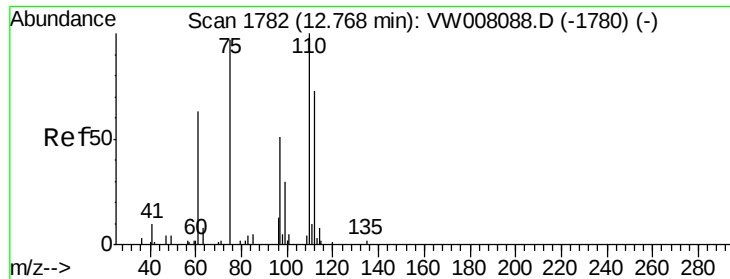
Tgt Ion:117 Resp: 162233
Ion Ratio Lower Upper
117 100
82 55.2 46.4 69.6
119 32.5 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008209.D
Acq: 11 Jan 2019 21:57

Tgt Ion:152 Resp: 74187
Ion Ratio Lower Upper
152 100
115 59.8 30.8 92.4
150 155.8 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 54.592 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008209.D

Acq: 11 Jan 2019 21:57

Instrument :

MSVOA_W

ClientSampleId :

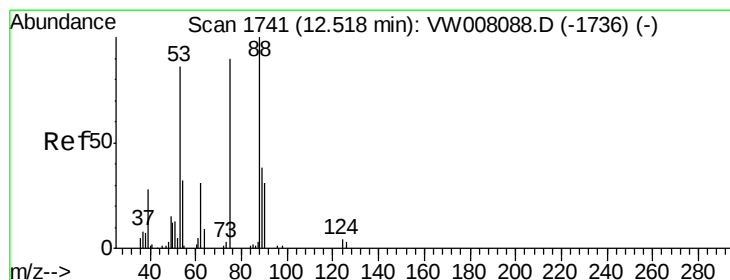
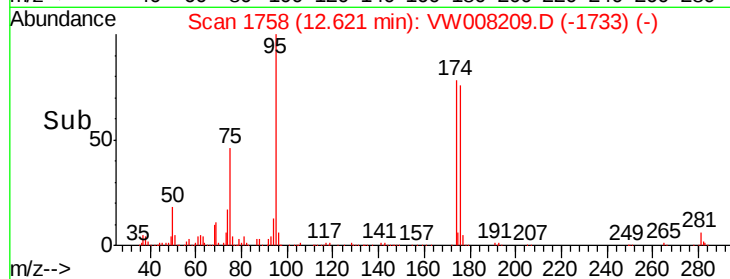
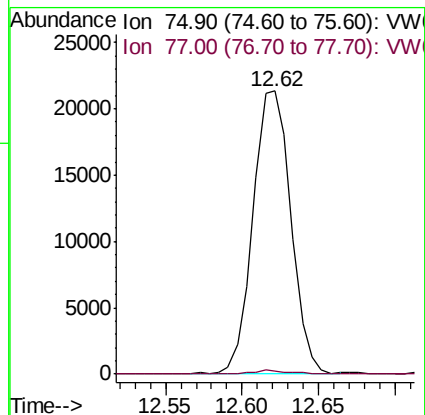
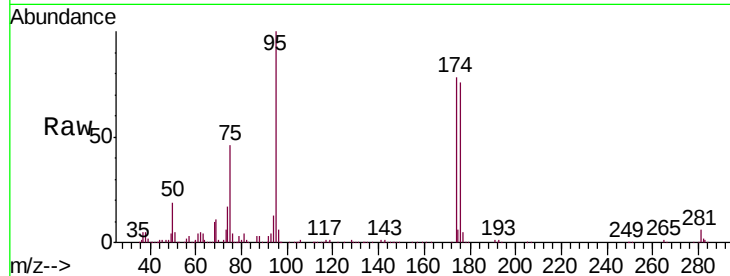
S49-IDW03

Tgt Ion: 75 Resp: 36920

Ion Ratio Lower Upper

75 100

77 1.3 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.127 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008209.D

Acq: 11 Jan 2019 21:57

Tgt Ion: 75 Resp: 36920

Ion Ratio Lower Upper

75 100

53 0.6 78.8 118.2#

89 0.1 35.4 53.2#

