

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008577.D
 Acq On : 08 Feb 2019 16:34
 Operator : SY/VA
 Sample : K1424-01
 Misc : 8.58G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SS2-RBR200035

Quant Time: Feb 09 00:27:39 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	449372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	734981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	676293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	326693	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	271980	61.61	ug/l	0.00
Spiked Amount			Recovery	=	123.22%	
35) Dibromofluoromethane	7.88	113	233668	54.37	ug/l	0.00
Spiked Amount			Recovery	=	108.74%	
50) Toluene-d8	10.32	98	898914	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.62	95	328034	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	

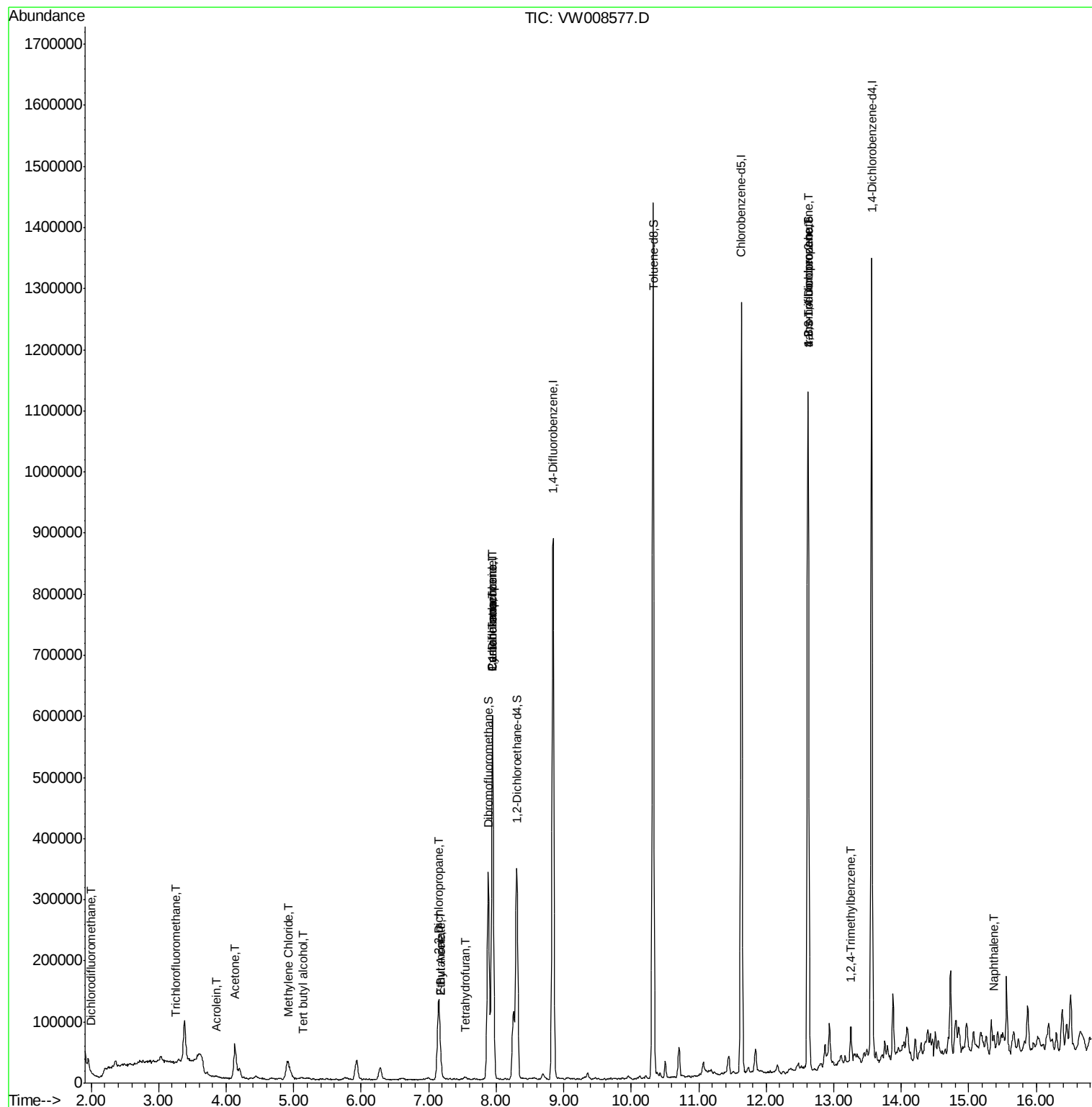
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	292	3.358	ug/l #	41
7) Trichlorofluoromethane	3.26	101	129	4.754	ug/l #	71
11) Tert butyl alcohol	5.14	59	1017	2.861	ug/l #	54
13) Acrolein	3.86	56	406	5.458	ug/l #	1
16) Acetone	4.13	43	100301	101.173	ug/l	99
20) Methylene Chloride	4.92	84	25933	5.675	ug/l #	76
25) 2-Butanone	7.18	43	20762	15.078	ug/l	98
26) 2,2-Dichloropropane	7.15	77	9296	1.641	ug/l #	58
29) Tetrahydrofuran	7.54	42	2656	3.044	ug/l	95
31) Cyclohexane	7.94	56	11071	1.278	ug/l #	32
36) 1,1-Dichloropropene	7.94	75	35760	5.151	ug/l #	51
37) Ethyl Acetate	7.18	43	20358	6.628	ug/l #	70
38) Carbon Tetrachloride	7.95	117	44341	6.347	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	180005	63.374	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	180005	125.168	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.25	105	33860	1.636	ug/l	97
95) Naphthalene	15.37	128	22917	1.924	ug/l	97

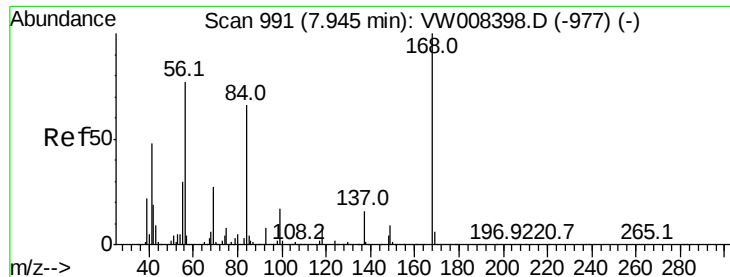
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020819\
Data File : VW008577.D
Acq On : 08 Feb 2019 16:34
Operator : SY/VA
Sample : K1424-01
Misc : 8.58G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SS2-RBR200035

Quant Time: Feb 09 00:27:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 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: VW008577.D

Acq: 08 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

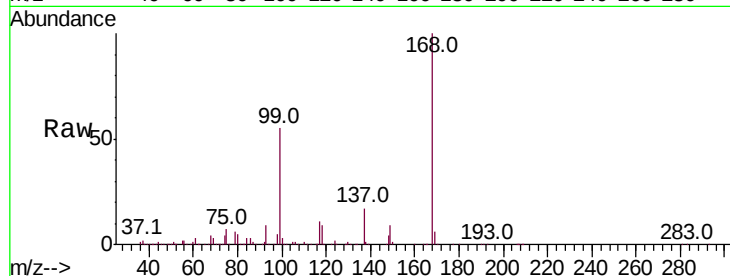
SS2-RBR200035

Tot Ion:168 Resp: 449372

Ion Ratio Lower Upper

168 100

99 55.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

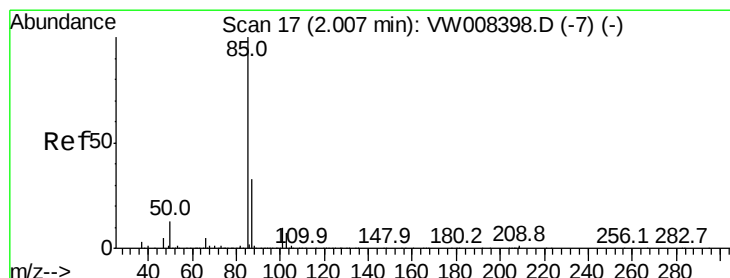
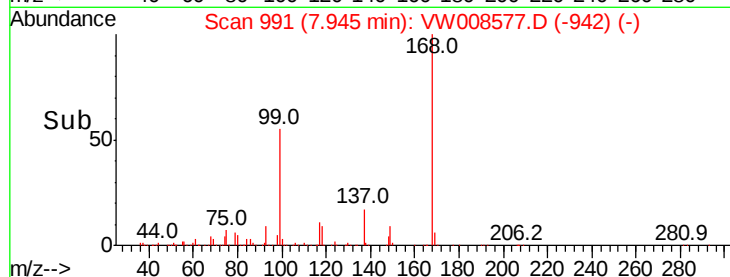
100000

50000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 3.358 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008577.D

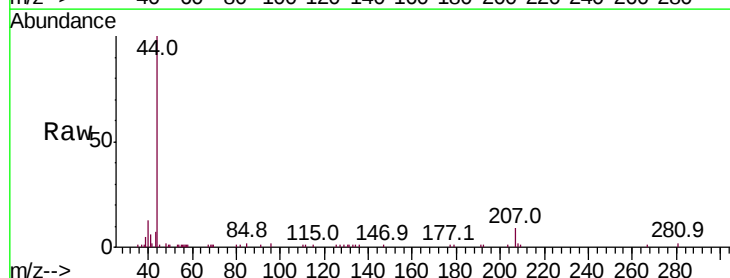
Acq: 08 Feb 2019 16:34

Tgt Ion: 85 Resp: 292

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

200

150

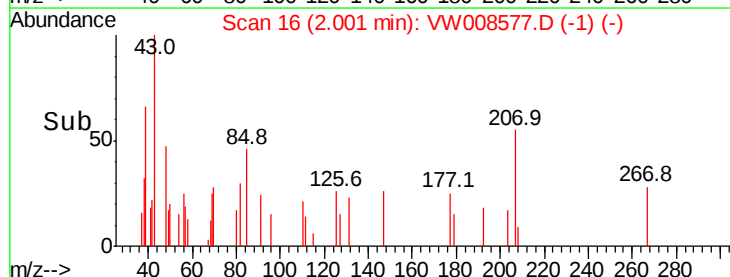
100

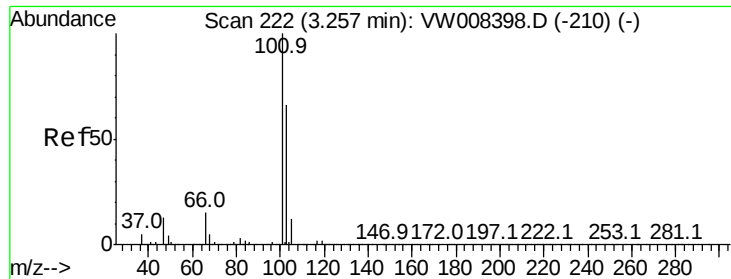
50

0

Time-->

1.95 2.00 2.05



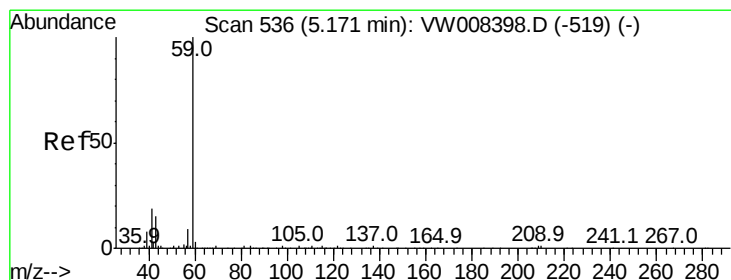
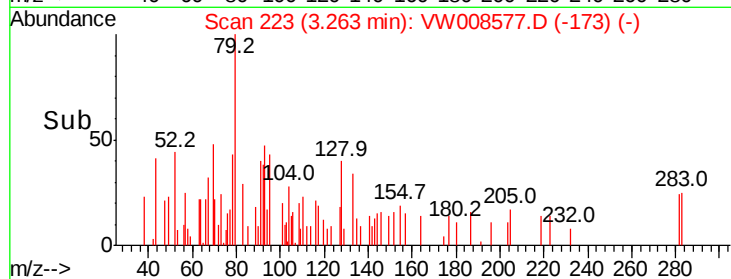
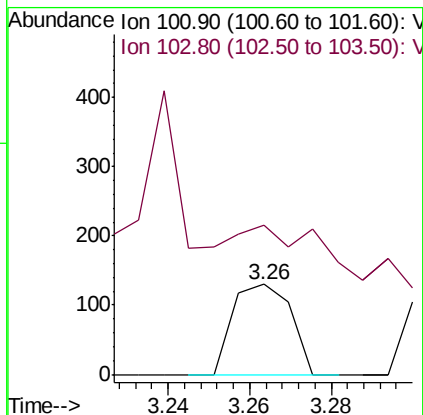
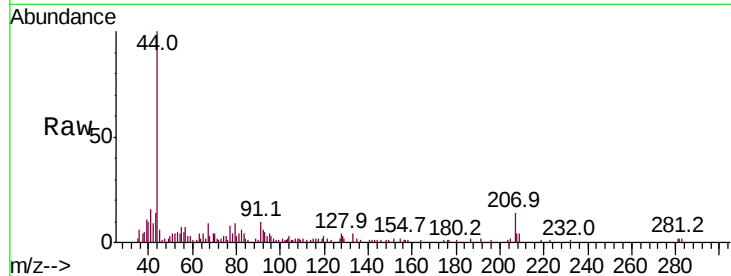


#7

Trichlorofluoromethane
Concen: 4.754 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW008577.D
Acq: 08 Feb 2019 16:34

Instrument :
MSVOA_W
ClientSampleId :
SS2-RBR200035

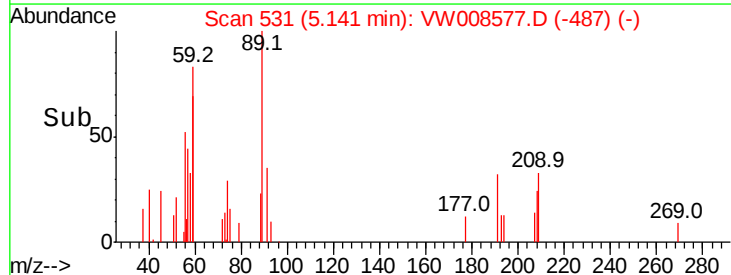
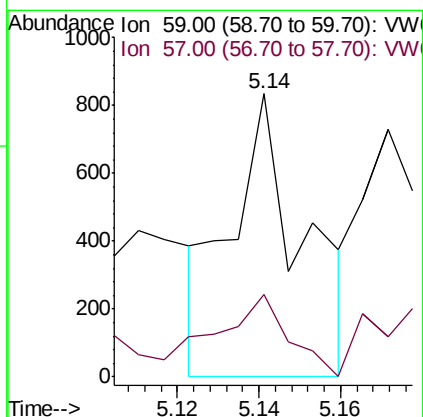
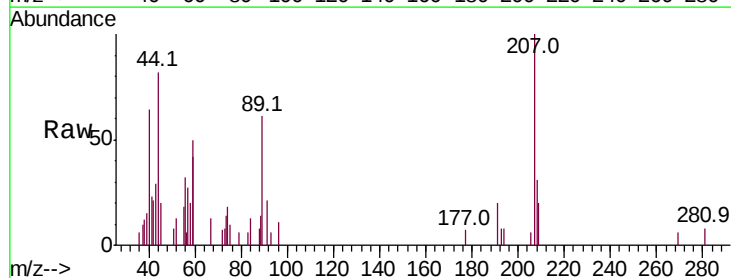
Tot Ion:101 Resp: 129
Ion Ratio Lower Upper
101 100
103 42.3 52.5 78.7#

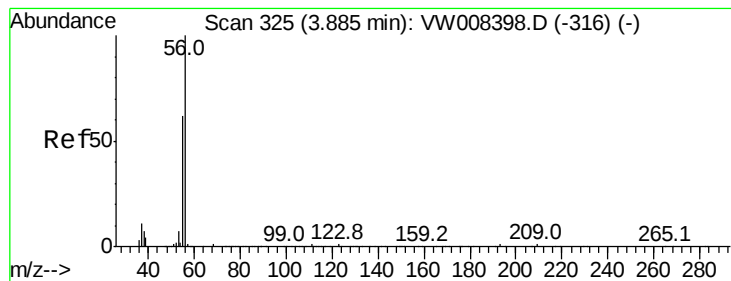


#11

Tert butyl alcohol
Concen: 2.861 ug/l
RT: 5.14 min Scan# 531
Delta R.T. -0.03 min
Lab File: VW008577.D
Acq: 08 Feb 2019 16:34

Tgt Ion: 59 Resp: 1017
Ion Ratio Lower Upper
59 100
57 29.3 9.3 13.9#





#13

Acrolein

Concen: 5.458 ug/l

RT: 3.86 min Scan# 321

Delta R.T. -0.02 min

Lab File: VW008577.D

Acq: 08 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

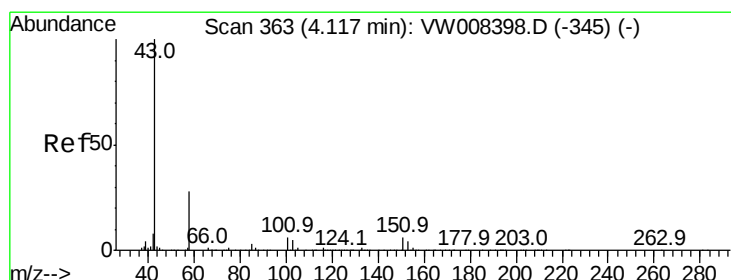
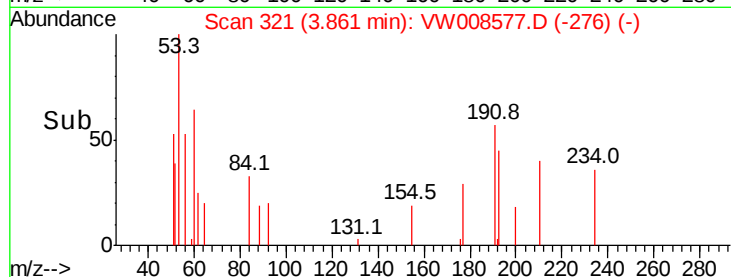
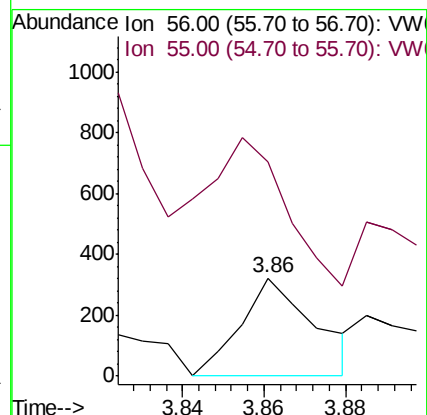
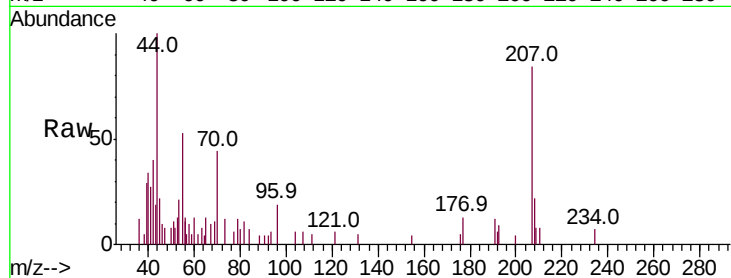
SS2-RBR200035

Tot Ion: 56 Resp: 406

Ion Ratio Lower Upper

56 100

55 159.9 56.7 85.1#



#16

Acetone

Concen: 101.173 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008577.D

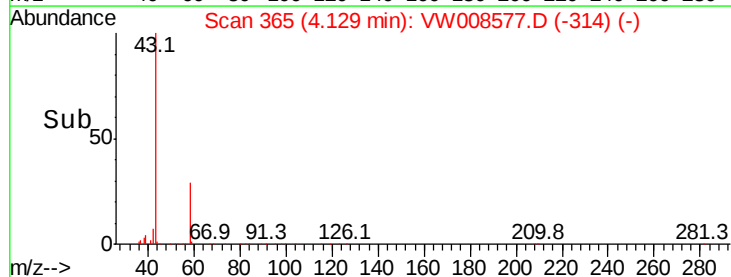
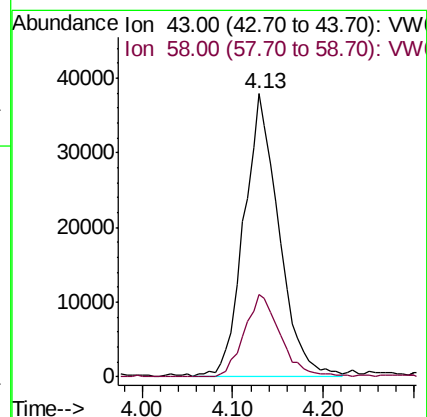
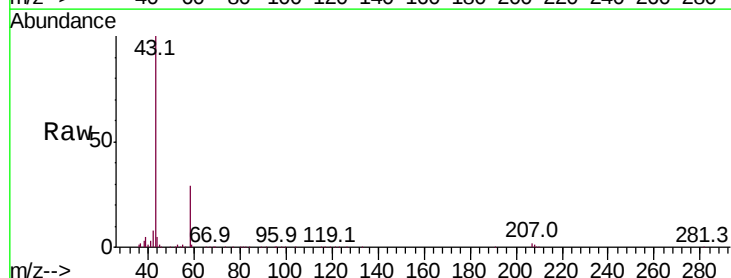
Acq: 08 Feb 2019 16:34

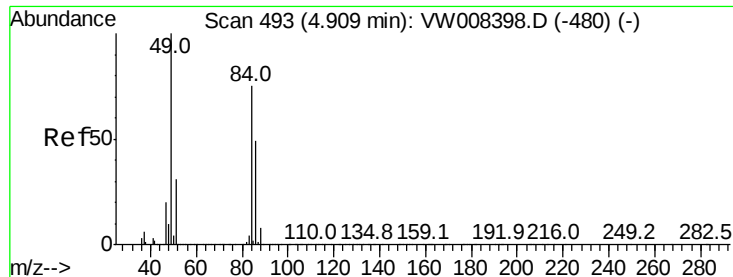
Tgt Ion: 43 Resp: 100301

Ion Ratio Lower Upper

43 100

58 29.0 22.6 34.0

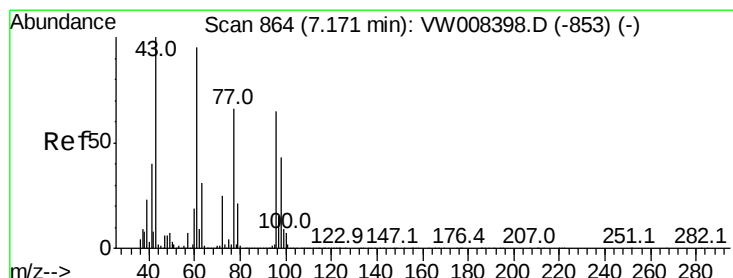
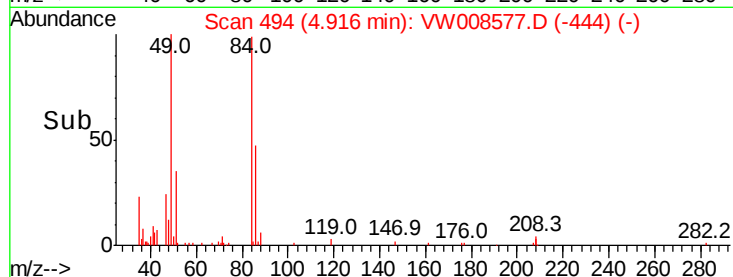
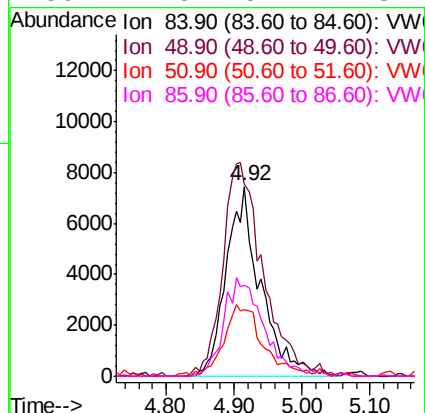
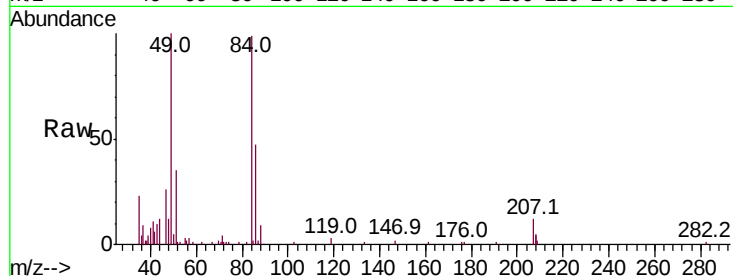




#20
Methvlene Chloride
Concen: 5.675 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008577.D
Acq: 08 Feb 2019 16:34

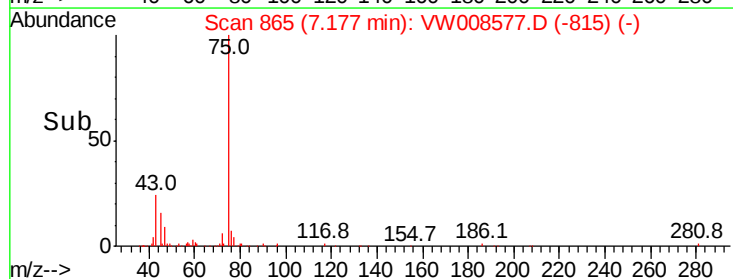
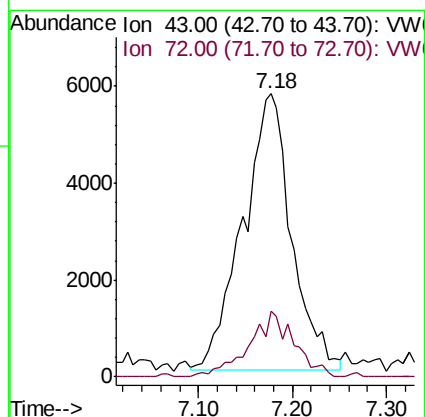
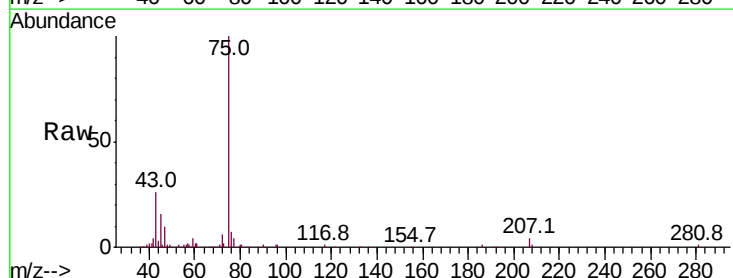
Instrument :
MSVOA_W
ClientSampleId :
SS2-RBR200035

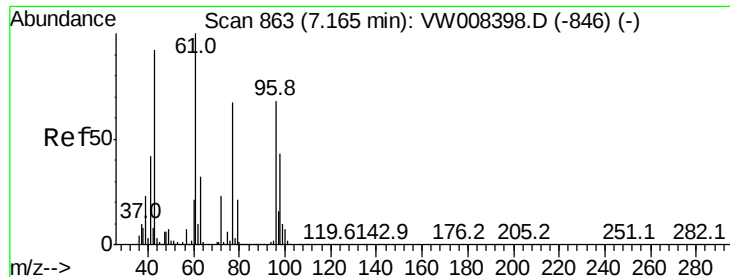
Tot Ion:	84	Resp:	25933
Ion	Ratio	Lower	Upper
84	100		
49	99.6	106.8	160.2#
51	34.9	32.9	49.3
86	47.8	52.2	78.2#



#25
2-Butanone
Concen: 15.078 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW008577.D
Acq: 08 Feb 2019 16:34

Tgt Ion:	43	Resp:	20762
Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.1	30.1





#26

2,2-Dichloropropane

Concen: 1.641 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

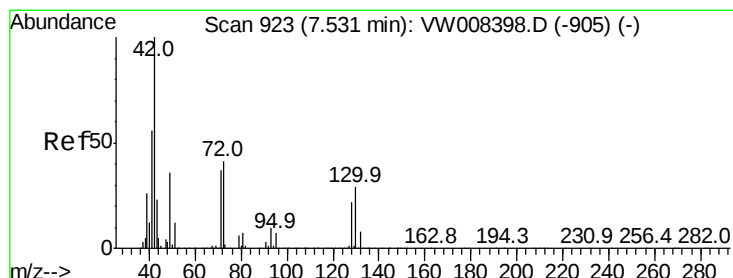
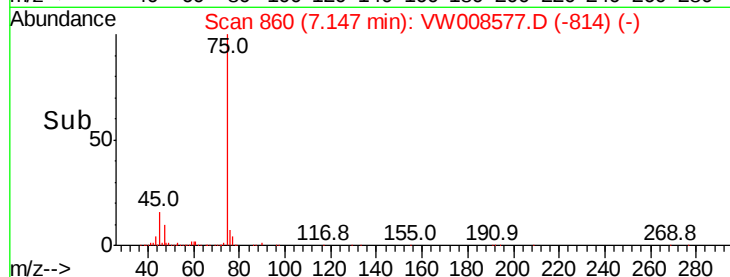
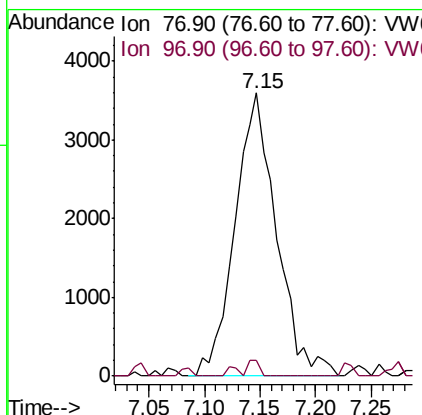
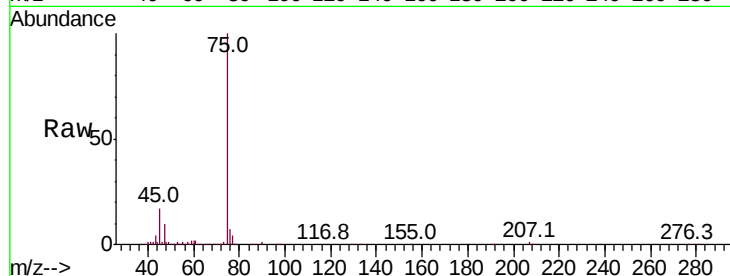
Lab File: VW008577.D

Acq: 08 Feb 2019 16:34

Instrument :
MSVOA_W
ClientSampleId :
SS2-RBR200035

Tot Ion: 77 Resp: 9296

Ion	Ratio	Lower	Upper
77	100		
97	2.4	11.5	34.5#



#29

Tetrahydrofuran

Concen: 3.044 ug/l

RT: 7.54 min Scan# 925

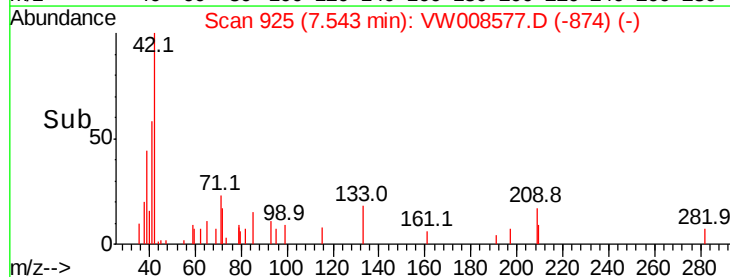
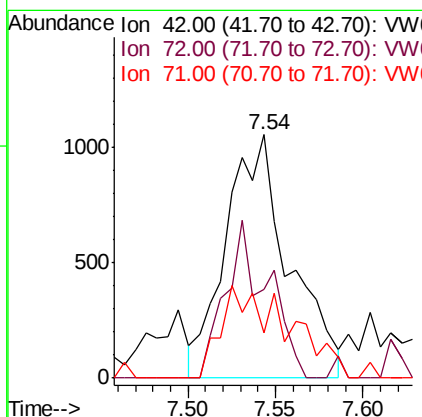
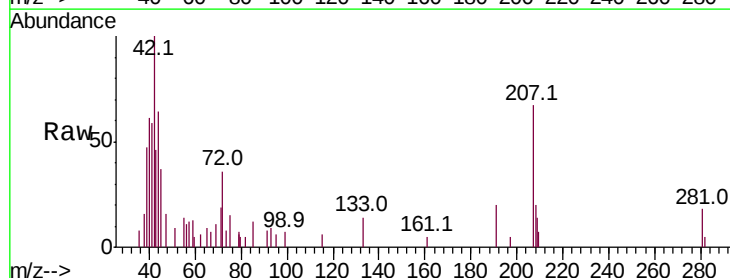
Delta R.T. 0.01 min

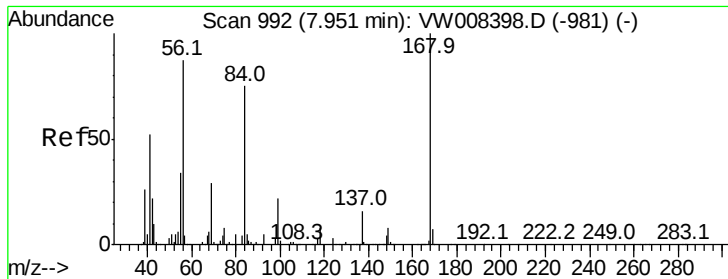
Lab File: VW008577.D

Acq: 08 Feb 2019 16:34

Tgt Ion: 42 Resp: 2656

Ion	Ratio	Lower	Upper
42	100		
72	43.4	31.9	47.9
71	40.4	29.9	44.9





#31

Cyclohexane

Concen: 1.278 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008577.D

Acq: 08 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

SS2-RBR200035

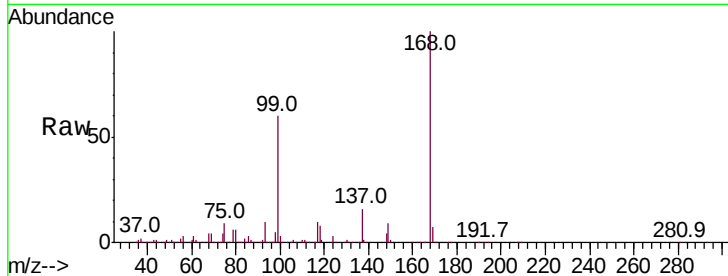
Tot Ion: 56 Resp: 11071

Ion Ratio Lower Upper

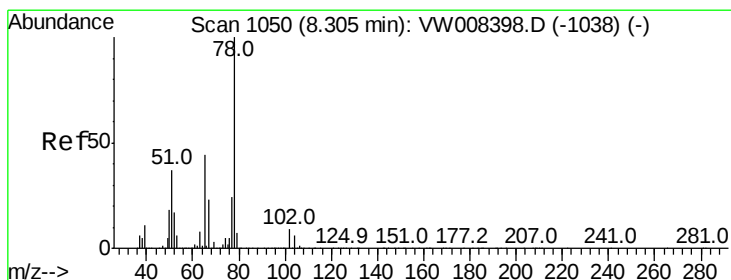
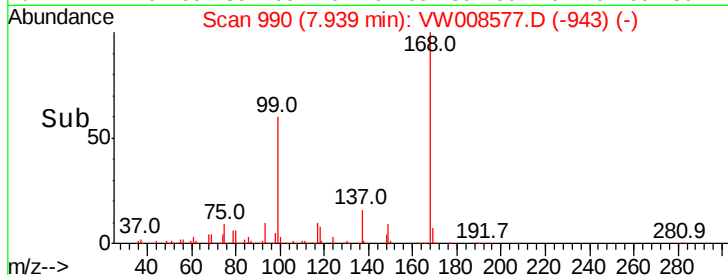
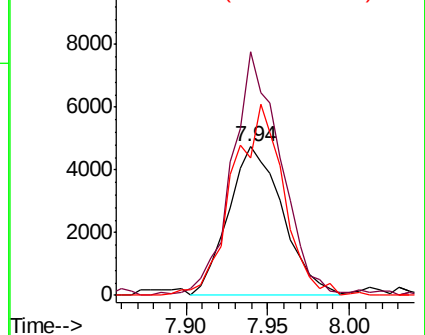
56 100

69 162.2 26.4 39.6#

84 92.8 69.1 103.7



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



#33

1,2-Dichloroethane-d4

Concen: 61.608 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008577.D

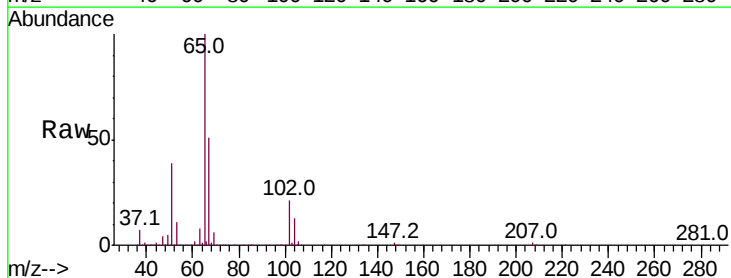
Acq: 08 Feb 2019 16:34

Tgt Ion: 65 Resp: 271980

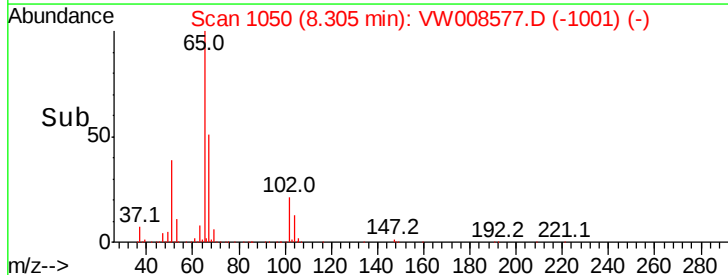
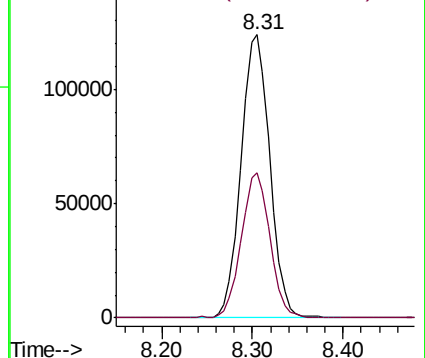
Ion Ratio Lower Upper

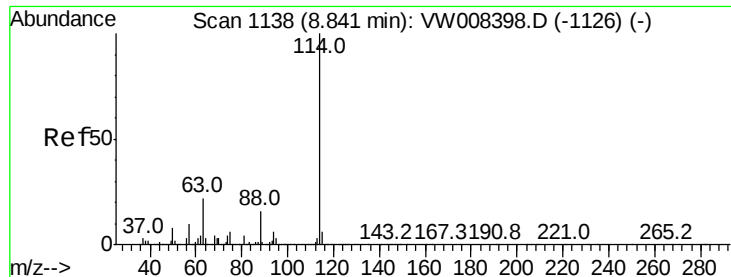
65 100

67 50.8 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: VW008577.D

Acq: 08 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

SS2-RBR200035

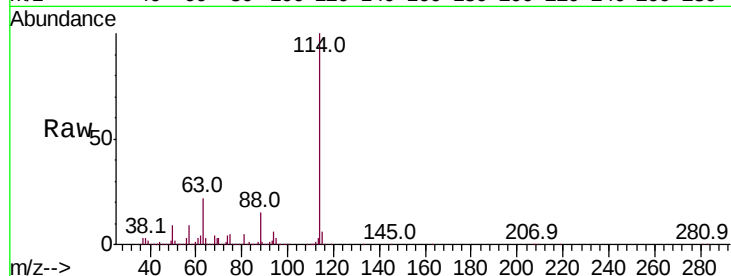
Tot Ion:114 Resp: 734981

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.6

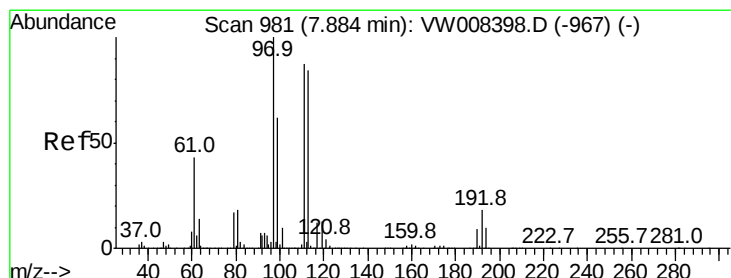
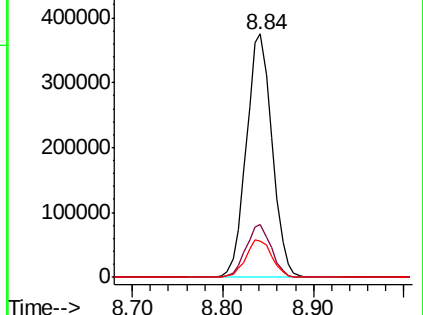
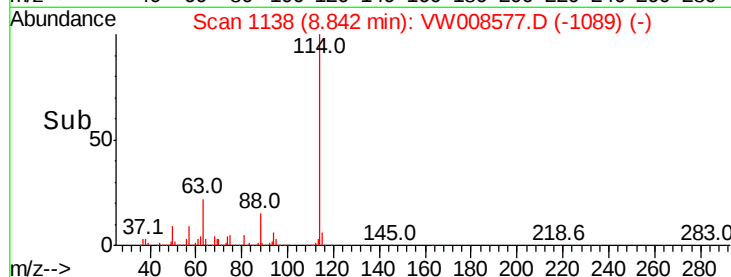
88 14.9 0.0 31.8



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: 54.371 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008577.D

Acq: 08 Feb 2019 16:34

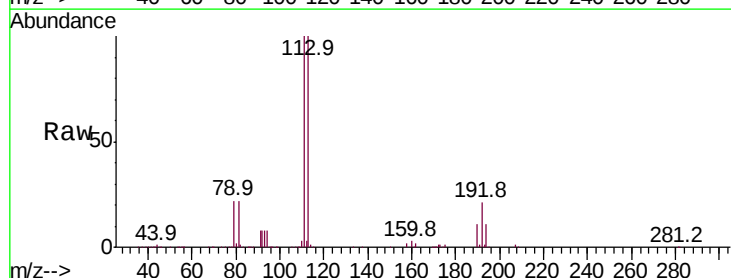
Tgt Ion:113 Resp: 233668

Ion Ratio Lower Upper

113 100

111 102.5 81.0 121.4

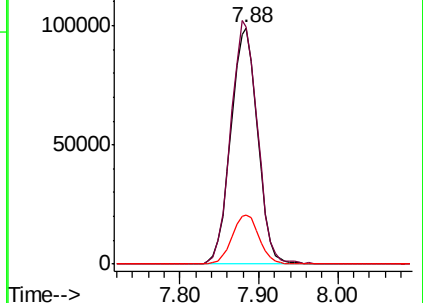
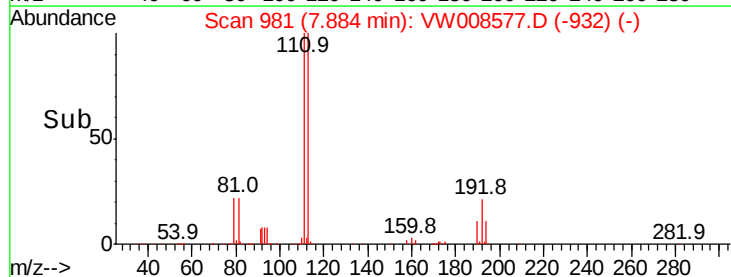
192 21.2 16.8 25.2

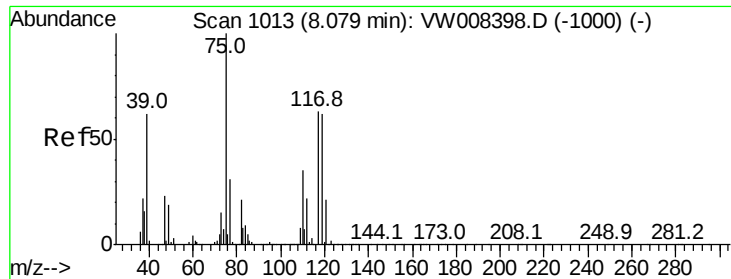


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

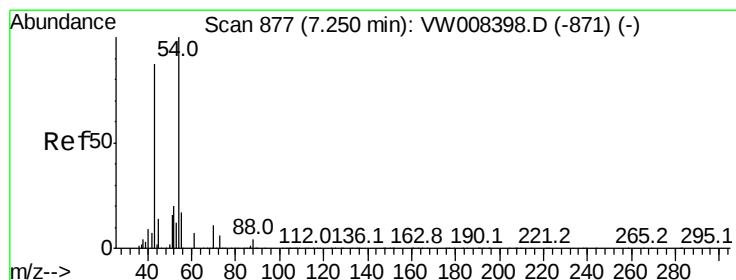
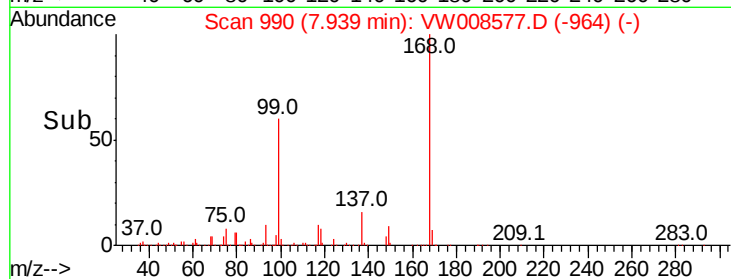
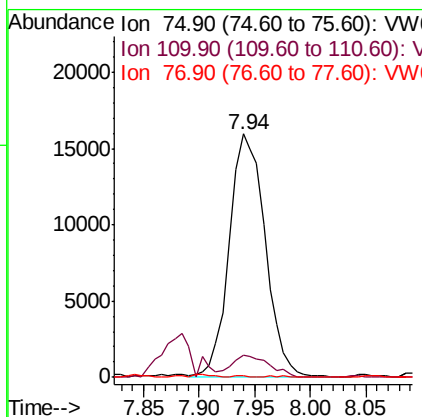
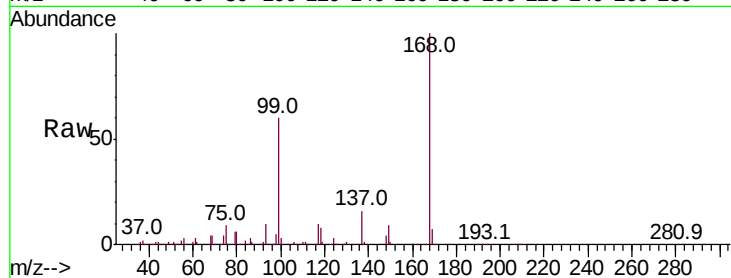




#36
 1,1-Dichloropropene
 Concen: 5.151 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008577.D
 Acq: 08 Feb 2019 16:34

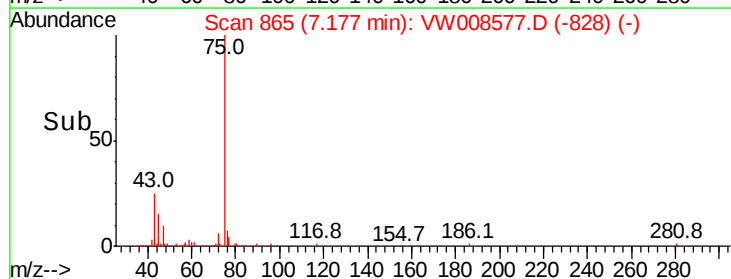
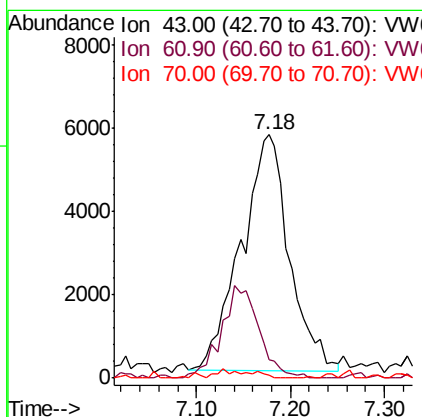
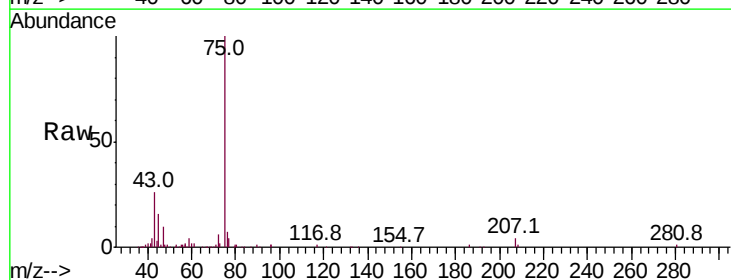
Instrument :
 MSVOA_W
 ClientSampleId :
 SS2-RBR200035

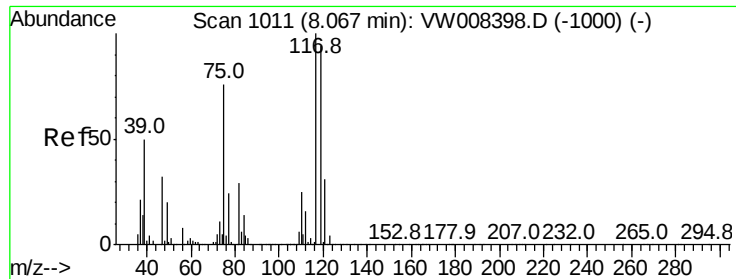
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.3	52.0#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 6.628 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW008577.D
 Acq: 08 Feb 2019 16:34

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.8	11.6#





#38

Carbon Tetrachloride

Concen: 6.347 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008577.D

Acq: 08 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

SS2-RBR200035

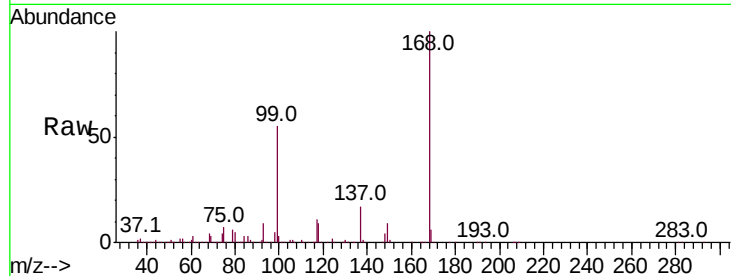
Tot Ion:117 Resp: 44341

Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.4#

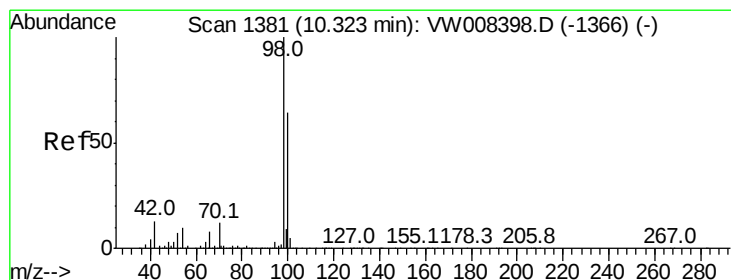
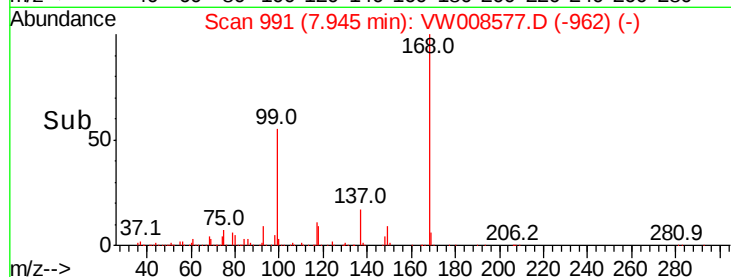
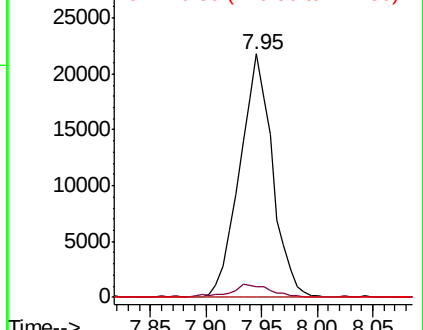
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.160 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008577.D

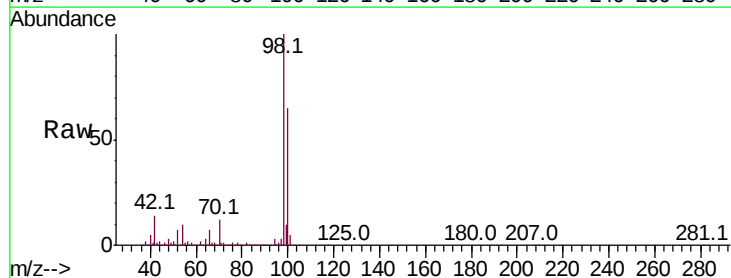
Acq: 08 Feb 2019 16:34

Tgt Ion: 98 Resp: 898914

Ion Ratio Lower Upper

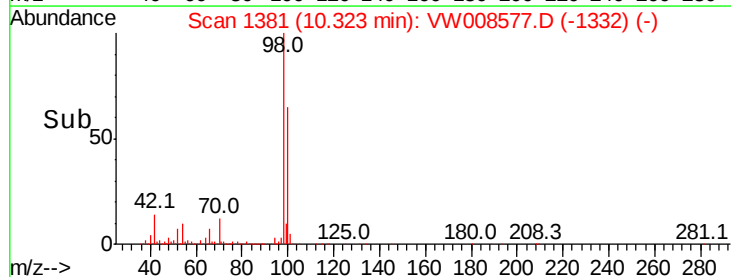
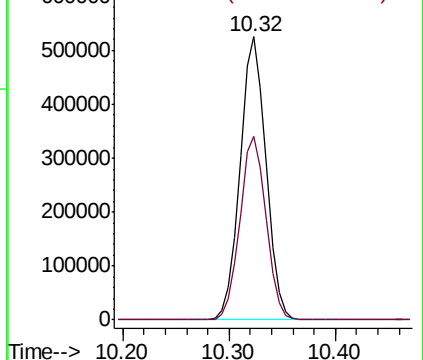
98 100

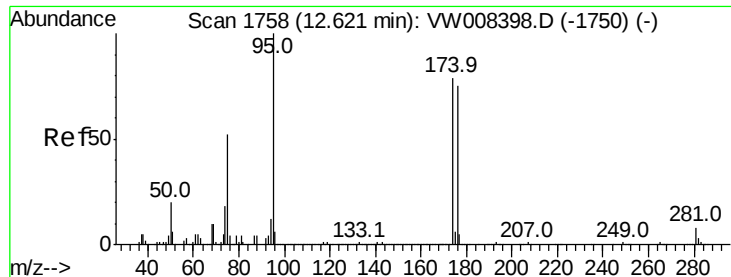
100 65.4 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

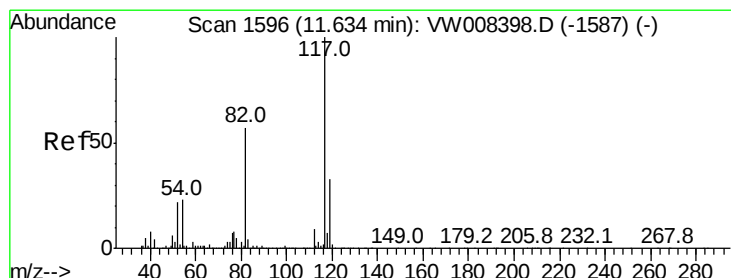
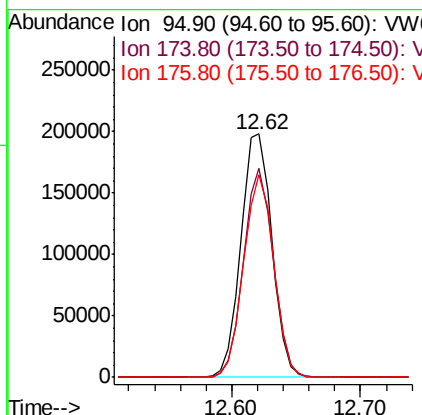
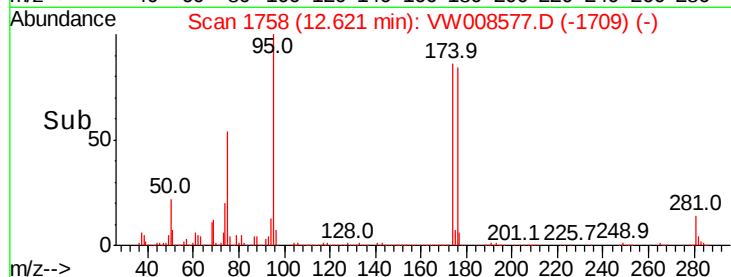
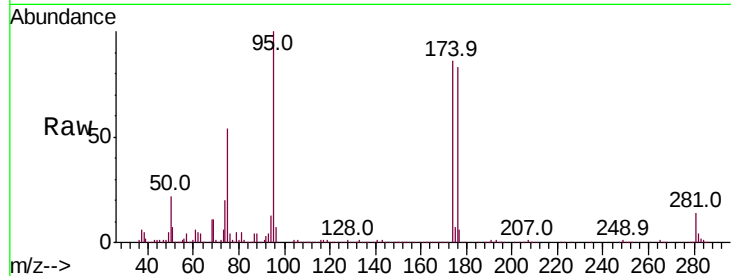




#62
4-Bromofluorobenzene
Concen: 49.519 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008577.D
Acq: 08 Feb 2019 16:34

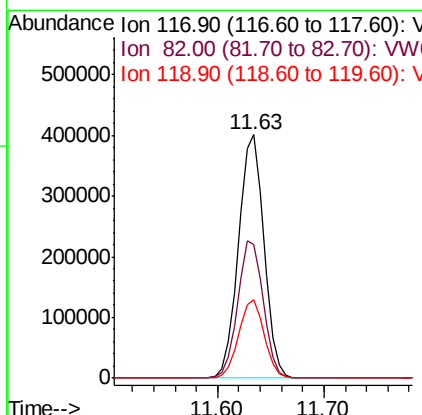
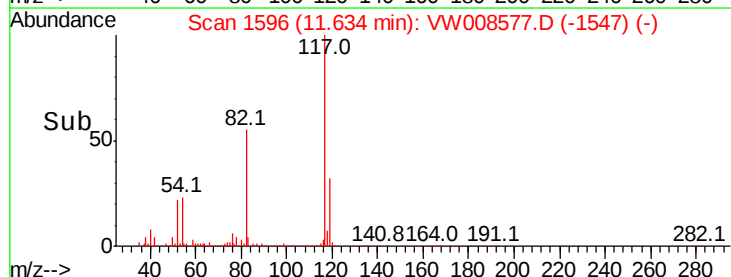
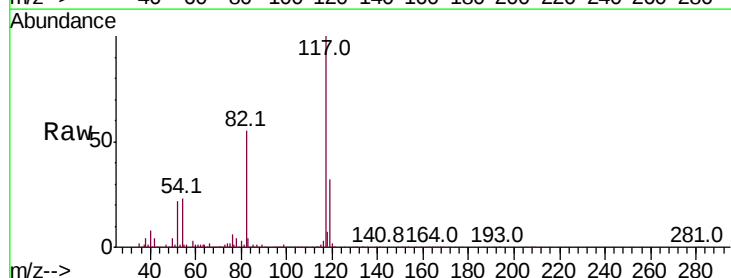
Instrument :
MSVOA_W
ClientSampleId :
SS2-RBR200035

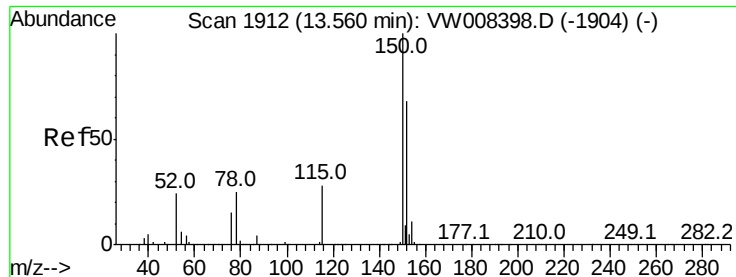
Tot Ion: 95 Resp: 328034
Ion Ratio Lower Upper
95 100
174 82.9 0.0 157.6
176 81.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008577.D
Acq: 08 Feb 2019 16:34

Tgt Ion: 117 Resp: 676293
Ion Ratio Lower Upper
117 100
82 54.8 45.4 68.0
119 32.4 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: VW008577.D

Acq: 08 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

SS2-RBR200035

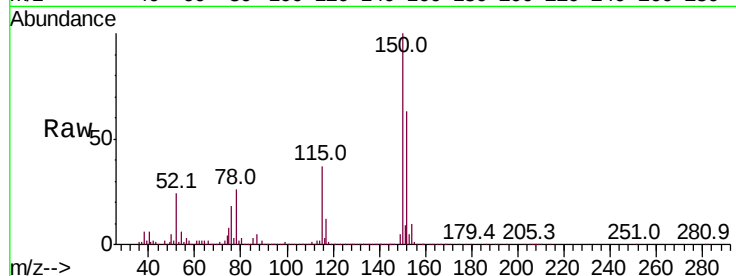
Tot Ion:152 Resp: 326693

Ion Ratio Lower Upper

152 100

115 59.2 29.9 89.7

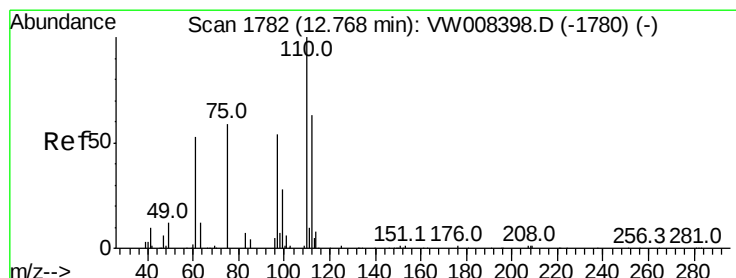
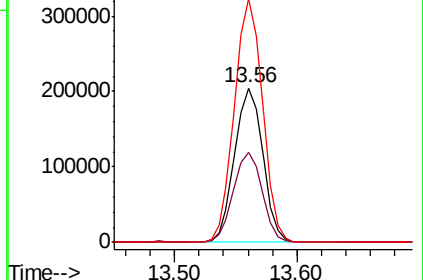
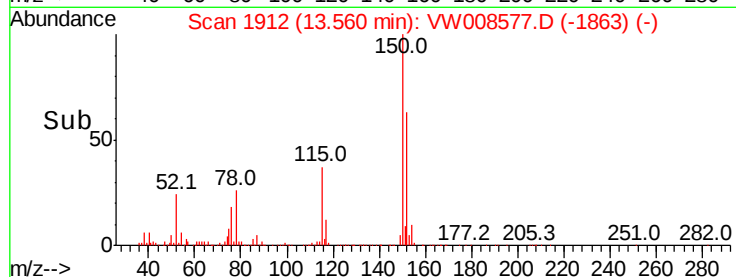
150 157.4 0.0 351.4



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: 63.374 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008577.D

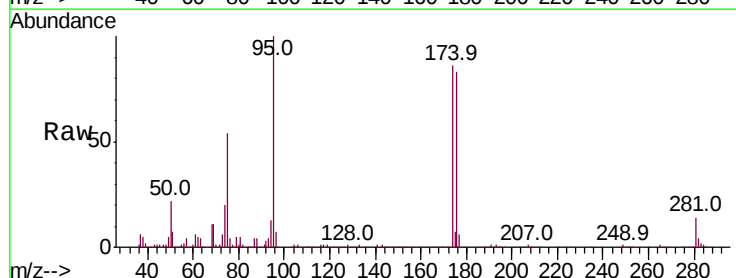
Acq: 08 Feb 2019 16:34

Tgt Ion: 75 Resp: 180005

Ion Ratio Lower Upper

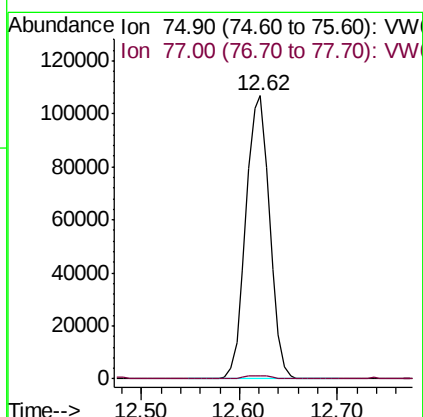
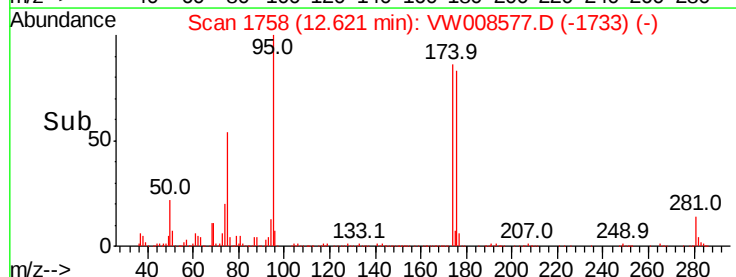
75 100

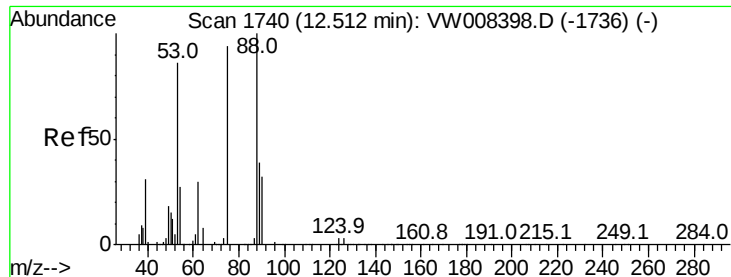
77 1.2 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 125.168 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008577.D

Acq: 08 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

SS2-RBR200035

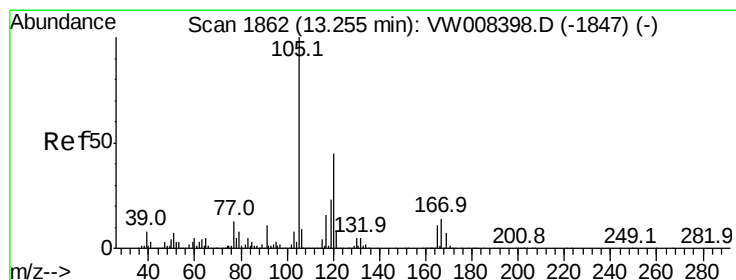
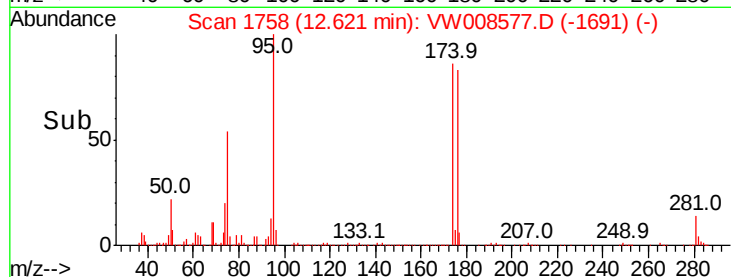
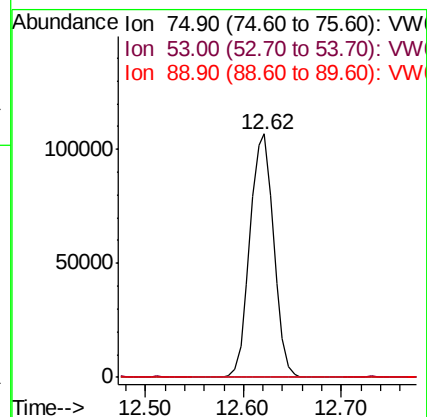
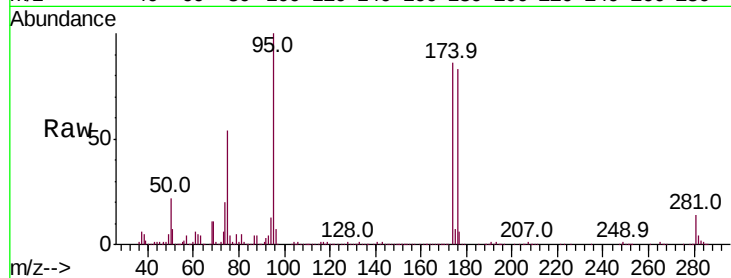
Tot Ion: 75 Resp: 180005

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.2 35.4 53.0#



#84

1,2,4-Trimethylbenzene

Concen: 1.636 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW008577.D

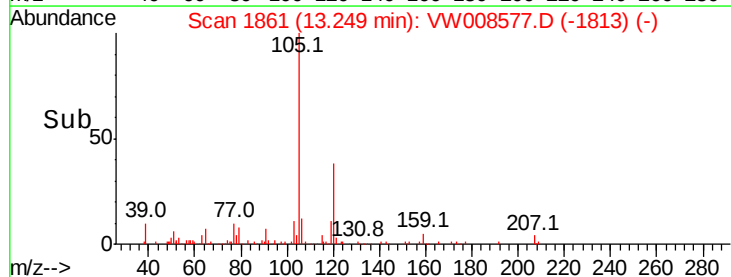
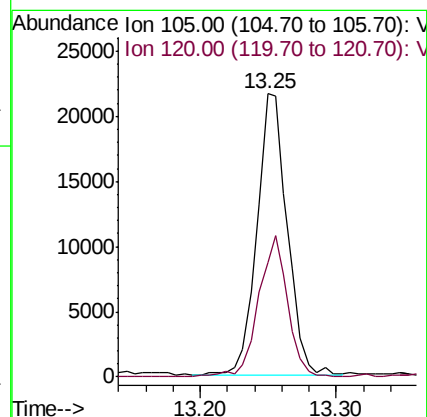
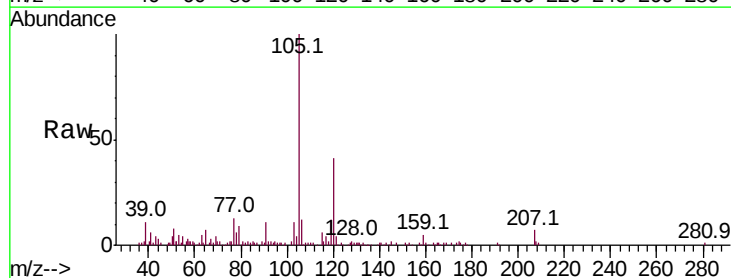
Acq: 08 Feb 2019 16:34

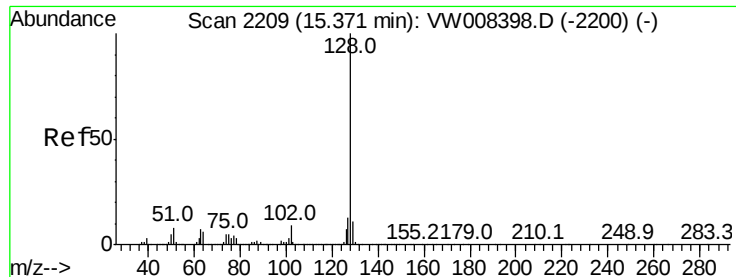
Tgt Ion: 105 Resp: 33860

Ion Ratio Lower Upper

105 100

120 48.2 23.1 69.2





#95

Naphthalene

Concen: 1.924 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008577.D

Acq: 08 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

SS2-RBR200035

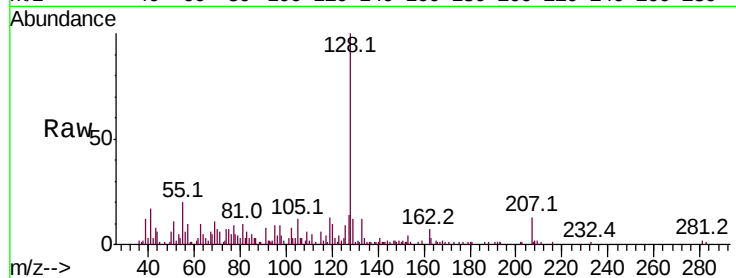
Tot Ion:128 Resp: 22917

Ion Ratio Lower Upper

128 100

127 14.4 10.6 15.8

129 9.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

