

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008554.D
 Acq On : 07 Feb 2019 15:55
 Operator : SY/VA
 Sample : K1390-04
 Misc : 5.92G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(0-2)

Quant Time: Feb 08 22:41:55 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	847300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1403500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1278436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	603207	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	496662	59.67	ug/l	0.00
Spiked Amount			Recovery	=	119.34%	
35) Dibromofluoromethane	7.88	113	439826	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
50) Toluene-d8	10.32	98	1697336	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.62	95	658059	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	

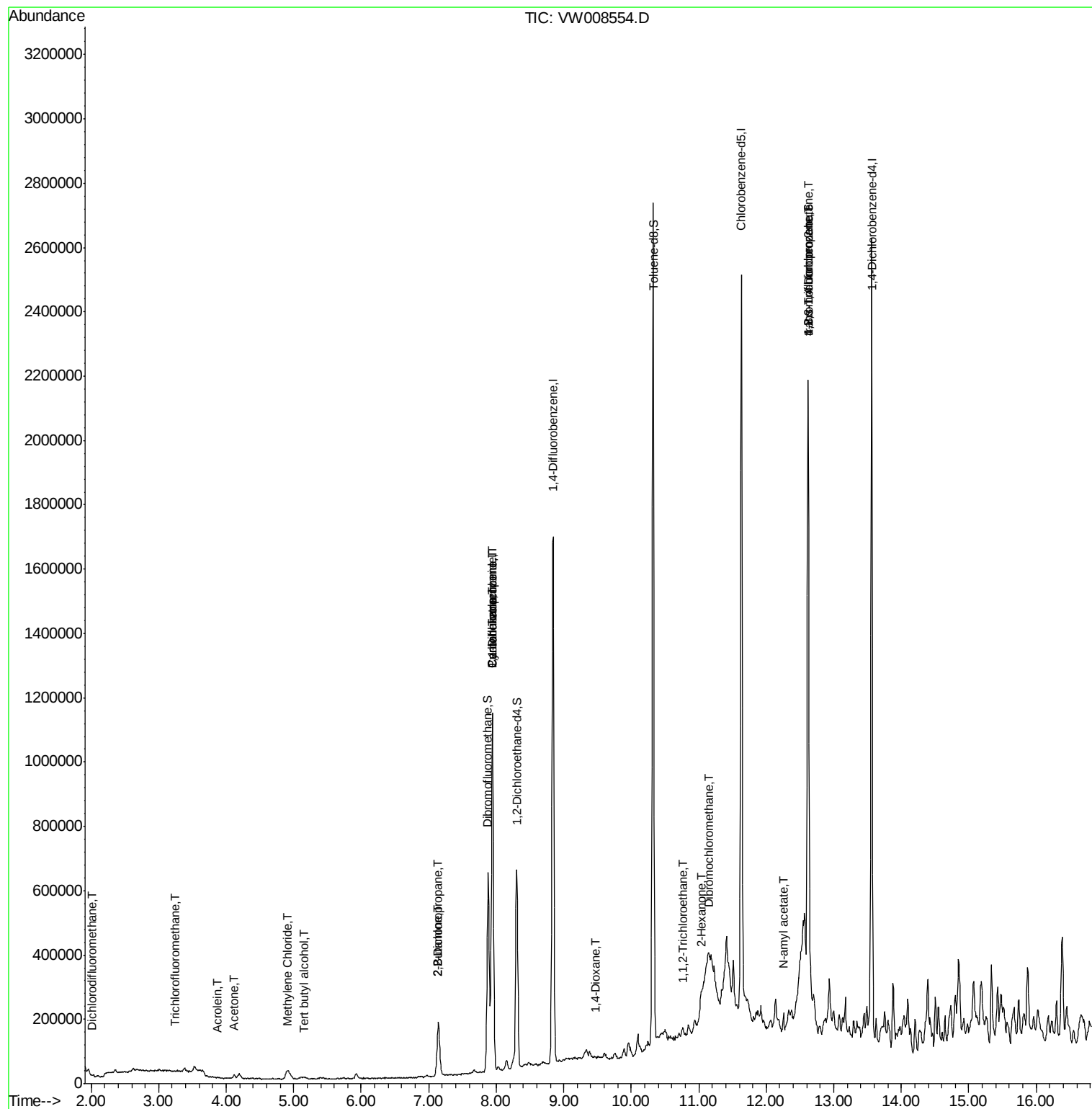
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	333	3.316	ug/l #	41
7) Trichlorofluoromethane	3.25	101	556	4.791	ug/l #	56
11) Tert butyl alcohol	5.15	59	7435	11.094	ug/l #	70
13) Acrolein	3.88	56	205	4.526	ug/l	84
16) Acetone	4.12	43	17176	9.189	ug/l	100
20) Methylene Chloride	4.90	84	23041	2.674	ug/l	95
25) 2-Butanone	7.14	43	10514	4.050	ug/l #	71
26) 2,2-Dichloropropane	7.15	77	12653	1.185	ug/l #	60
31) Cyclohexane	7.94	56	22478	1.376	ug/l #	22
36) 1,1-Dichloropropene	7.94	75	64950	4.899	ug/l #	52
38) Carbon Tetrachloride	7.95	117	86505	6.484	ug/l #	17
49) 1,4-Dioxane	9.48	88	91	1.141	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	9774	1.494	ug/l #	22
59) 2-Hexanone	11.03	43	13761	3.238	ug/l	71
60) Dibromochloromethane	11.15	129	199835	23.763	ug/l #	10
74) N-amyl acetate	12.26	43	17970	1.551	ug/l #	64
76) 1,2,3-Trichloropropane	12.62	75	333296	63.552	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	333296	125.520	ug/l #	12

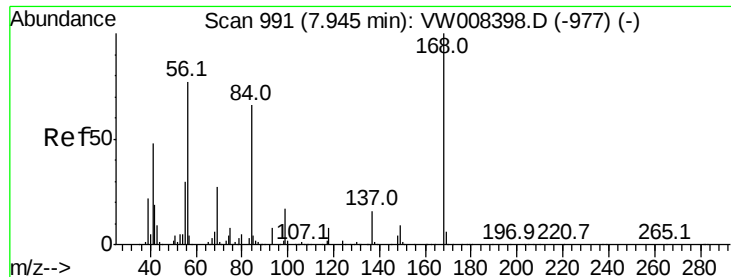
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008554.D

Acq: 07 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

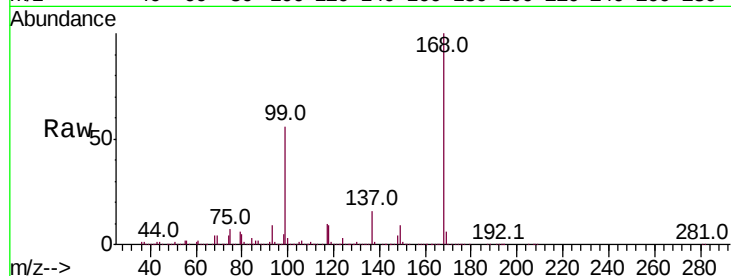
SB-04(0-2)

Tot Ion:168 Resp: 847300

Ion Ratio Lower Upper

168 100

99 56.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

300000

200000

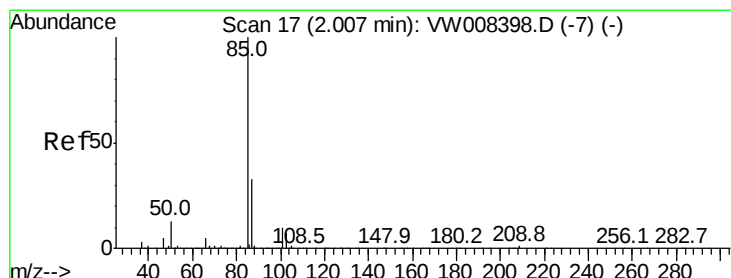
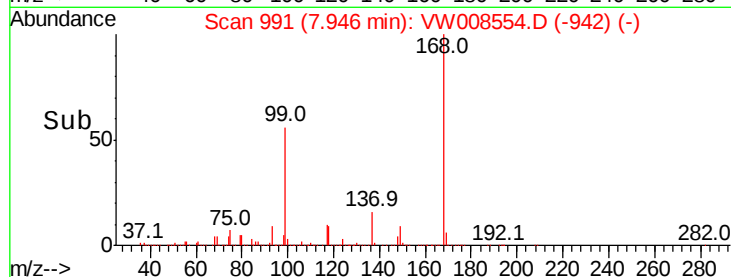
100000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 3.316 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW008554.D

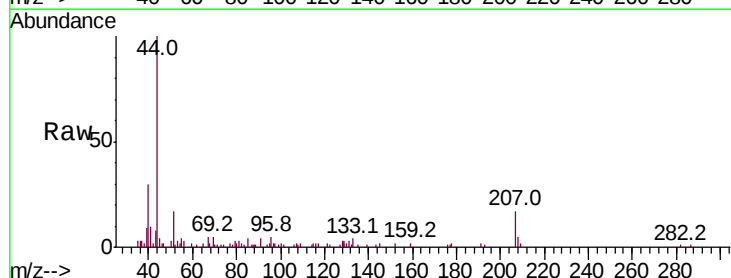
Acq: 07 Feb 2019 15:55

Tgt Ion: 85 Resp: 333

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

2.02

300

200

100

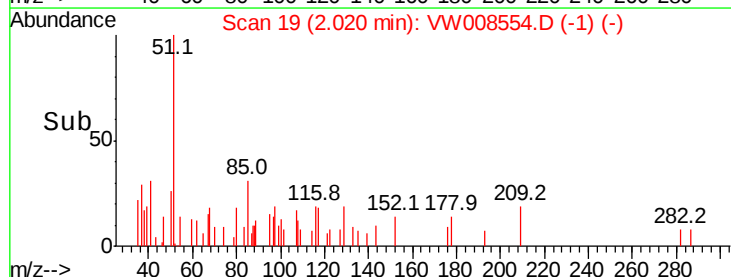
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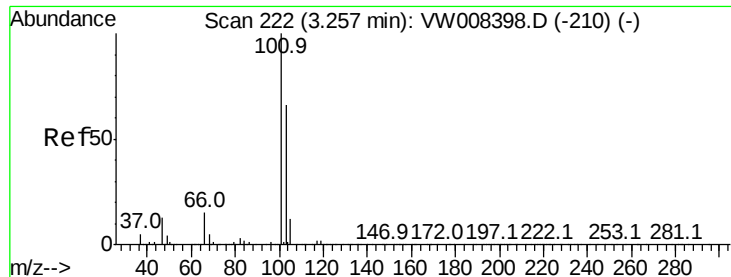
1.98

2.00

2.02

Time-->



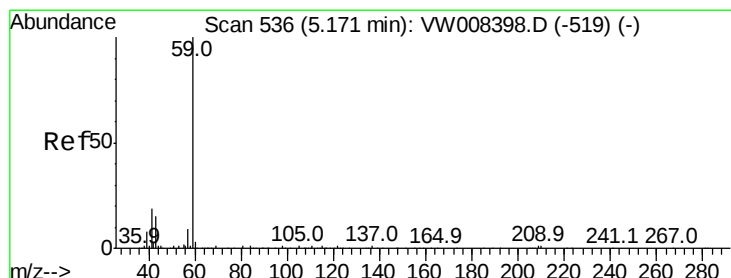
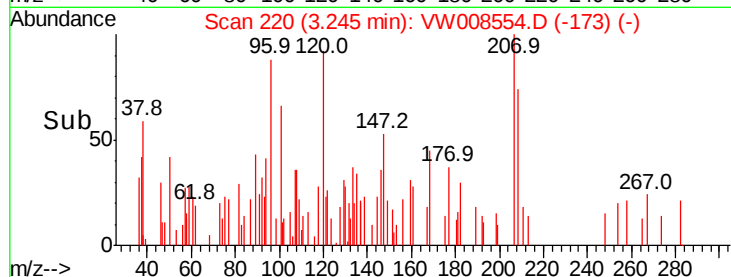
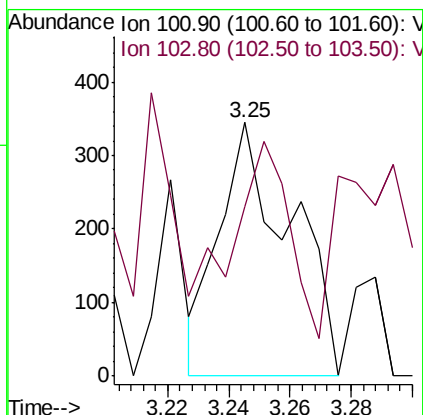
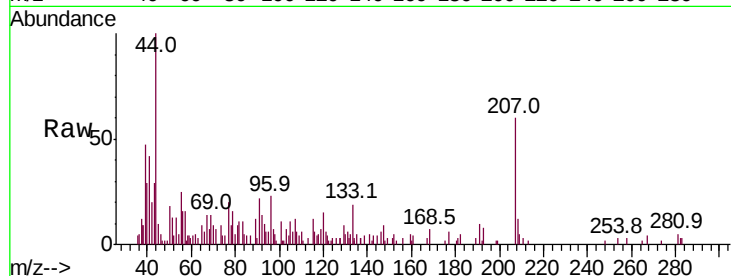


#7

Trichlorofluoromethane
Concen: 4.791 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008554.D
Acq: 07 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
SB-04(0-2)

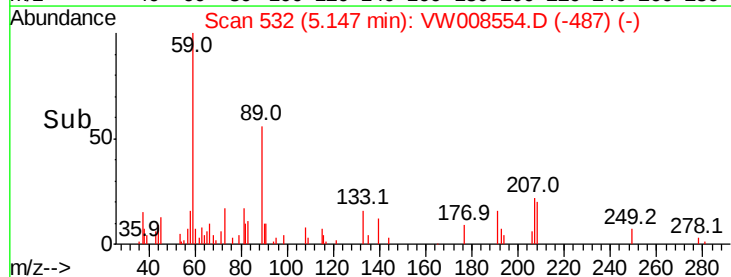
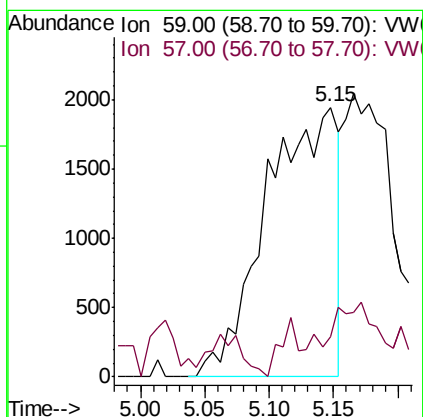
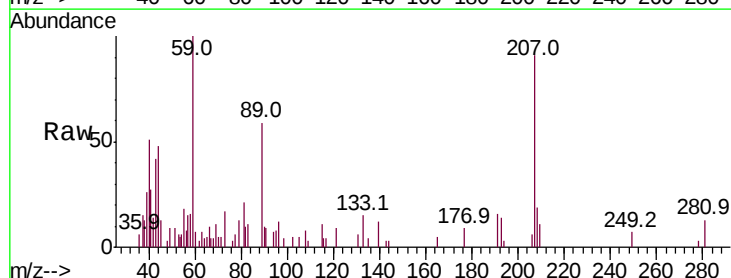
Tot Ion:101 Resp: 556
Ion Ratio Lower Upper
101 100
103 30.4 52.5 78.7#

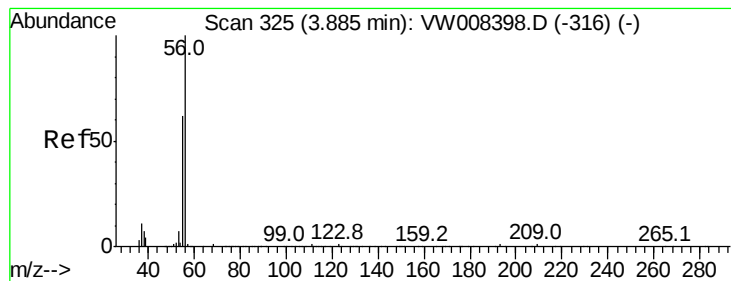


#11

Tert butyl alcohol
Concen: 11.094 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.02 min
Lab File: VW008554.D
Acq: 07 Feb 2019 15:55

Tgt Ion: 59 Resp: 7435
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#





#13

Acrolein

Concen: 4.526 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008554.D

Acq: 07 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

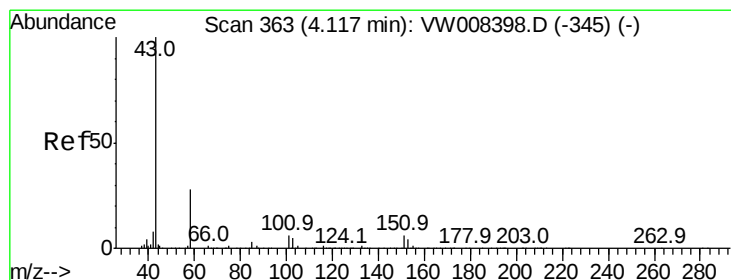
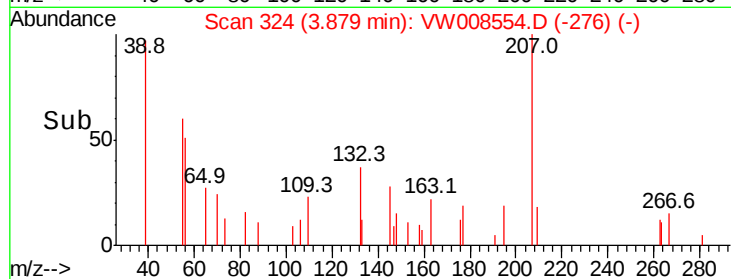
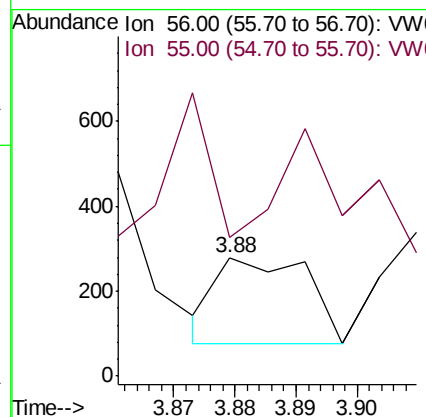
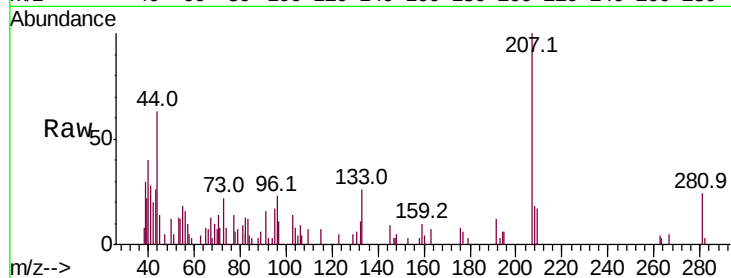
SB-04(0-2)

Tot Ion: 56 Resp: 205

Ion Ratio Lower Upper

56 100

55 83.9 56.7 85.1



#16

Acetone

Concen: 9.189 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008554.D

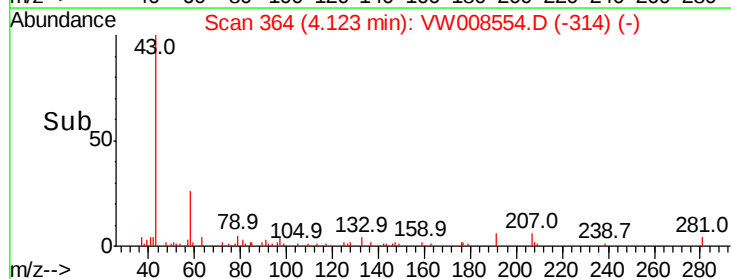
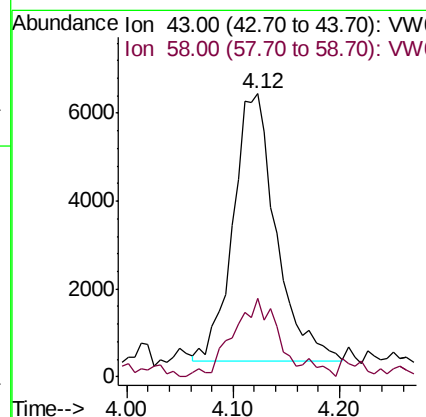
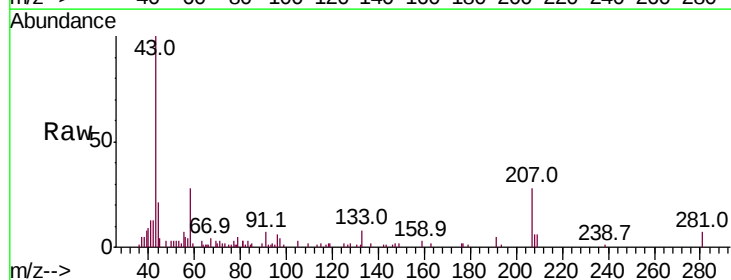
Acq: 07 Feb 2019 15:55

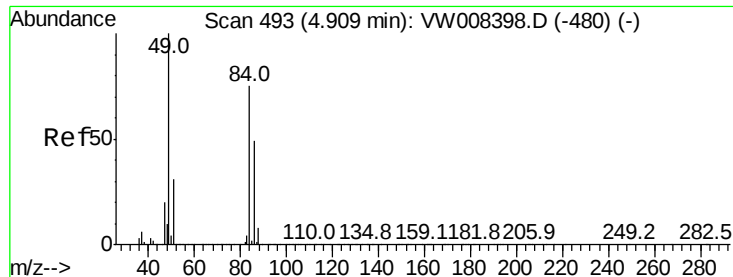
Tgt Ion: 43 Resp: 17176

Ion Ratio Lower Upper

43 100

58 28.3 22.6 34.0

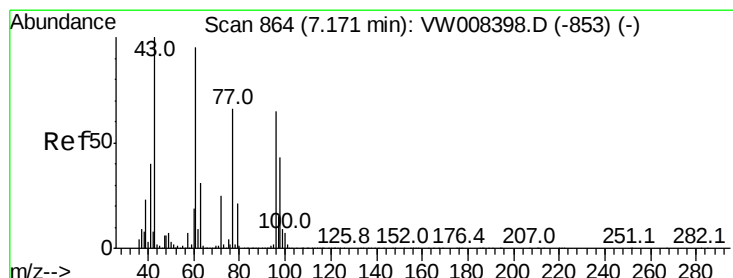
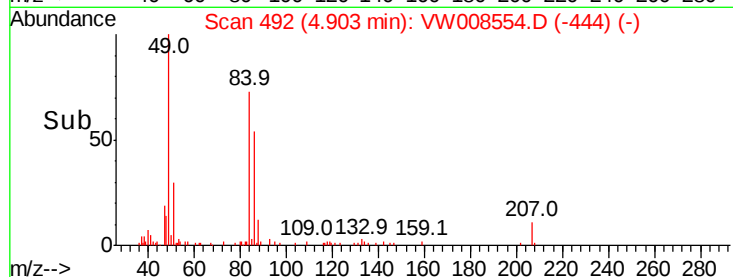
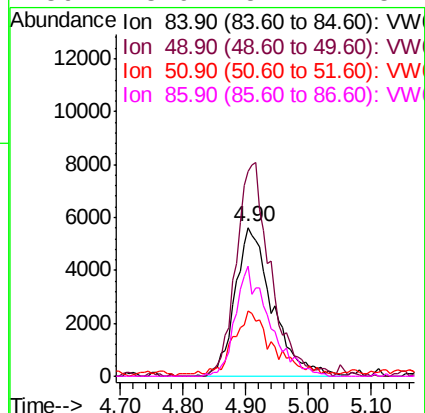
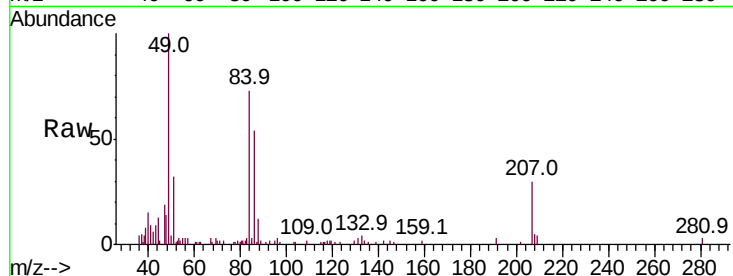




#20
Methvlene Chloride
Concen: 2.674 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008554.D
Acq: 07 Feb 2019 15:55

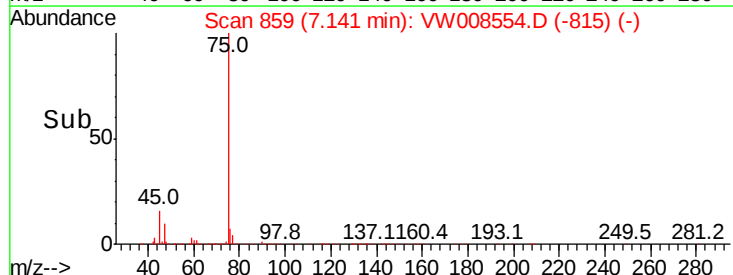
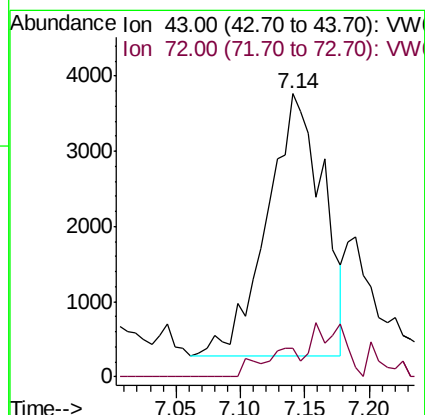
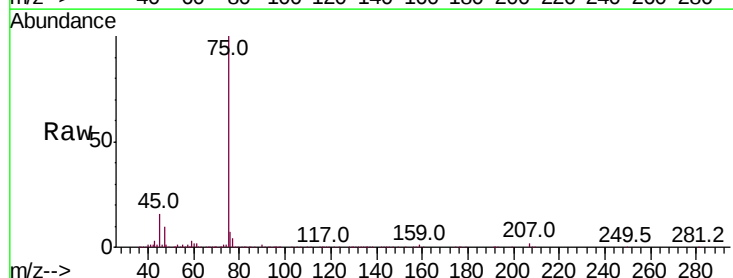
Instrument :
MSVOA_W
ClientSampleId :
SB-04(0-2)

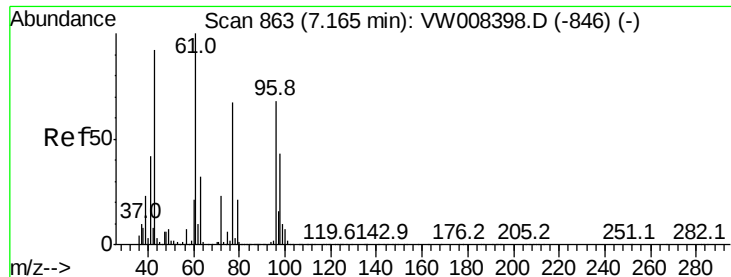
Tot Ion:	84	Resp:	23041
Ion	Ratio	Lower	Upper
84	100		
49	137.6	106.8	160.2
51	42.0	32.9	49.3
86	73.9	52.2	78.2



#25
2-Butanone
Concen: 4.050 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008554.D
Acq: 07 Feb 2019 15:55

Tgt Ion:	43	Resp:	10514
Ion	Ratio	Lower	Upper
43	100		
72	10.7	20.1	30.1#

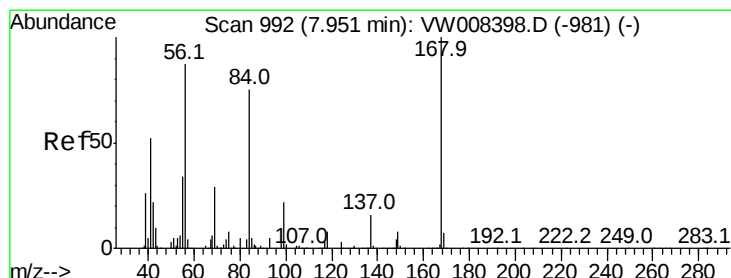
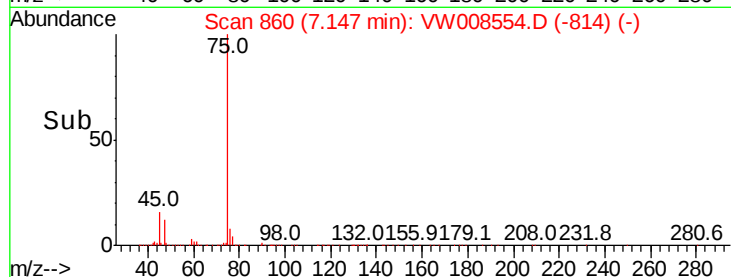
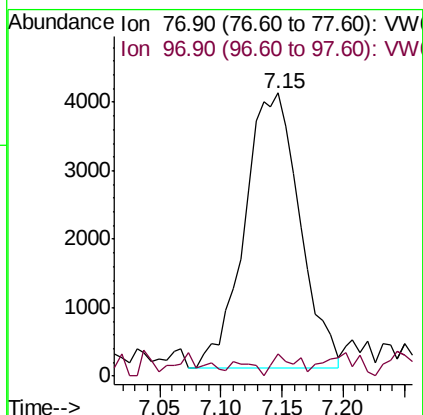
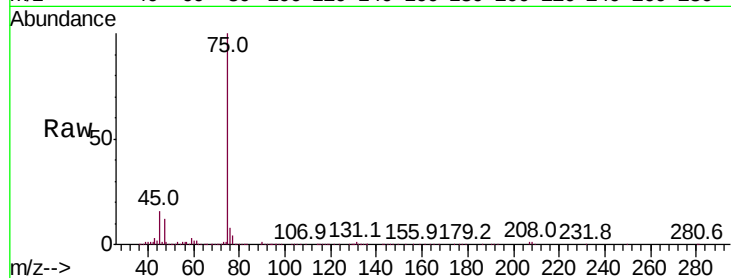




#26
 2,2-Dichloropropane
 Concen: 1.185 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW008554.D
 Acq: 07 Feb 2019 15:55

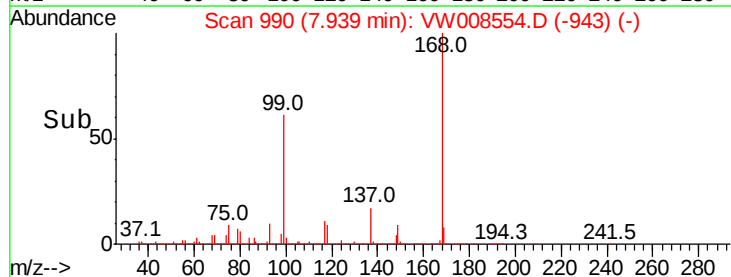
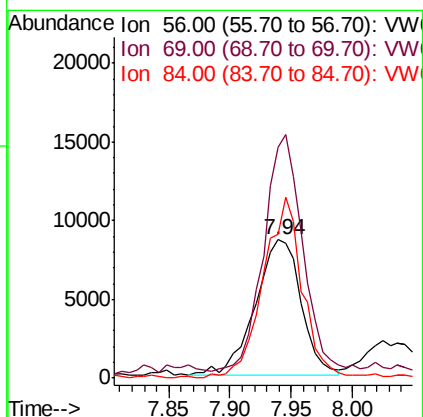
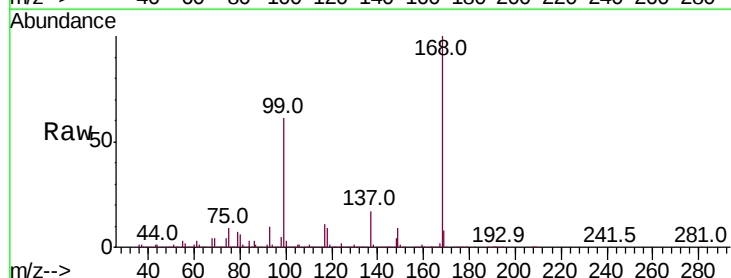
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(0-2)

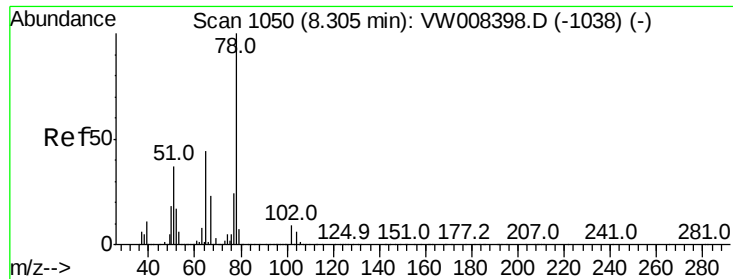
Tot Ion: 77 Resp: 12653
 Ion Ratio Lower Upper
 77 100
 97 3.4 11.5 34.5#



#31
 Cyclohexane
 Concen: 1.376 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW008554.D
 Acq: 07 Feb 2019 15:55

Tgt Ion: 56 Resp: 22478
 Ion Ratio Lower Upper
 56 100
 69 161.7 26.4 39.6#
 84 105.8 69.1 103.7#





#33

1,2-Dichloroethane-d4

Concen: 59.667 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008554.D

Acq: 07 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

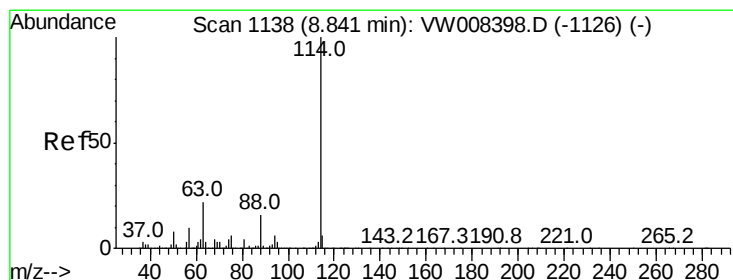
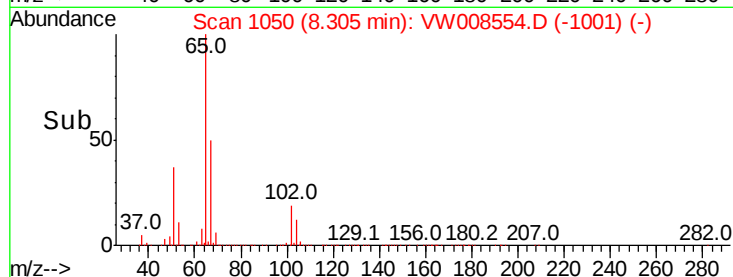
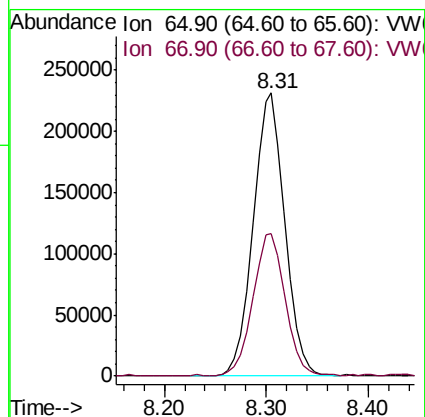
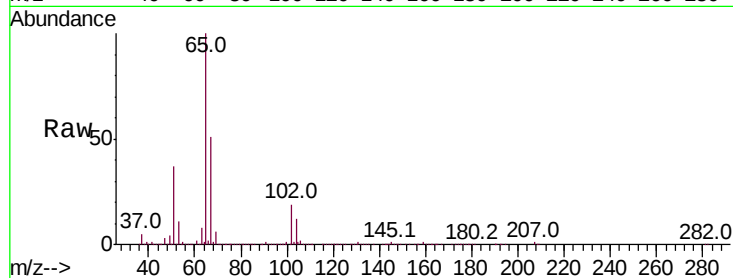
SB-04(0-2)

Tot Ion: 65 Resp: 496662

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008554.D

Acq: 07 Feb 2019 15:55

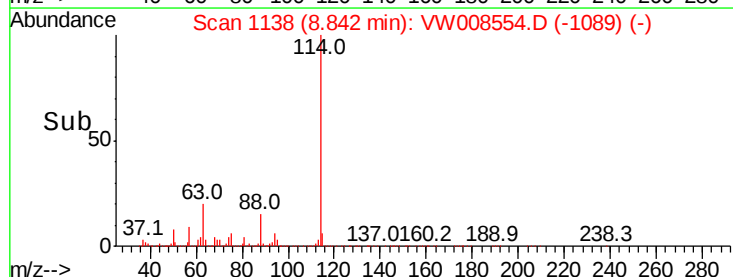
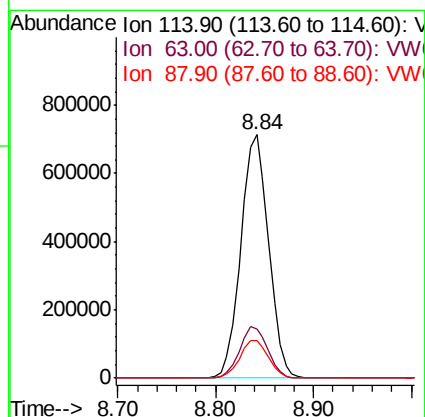
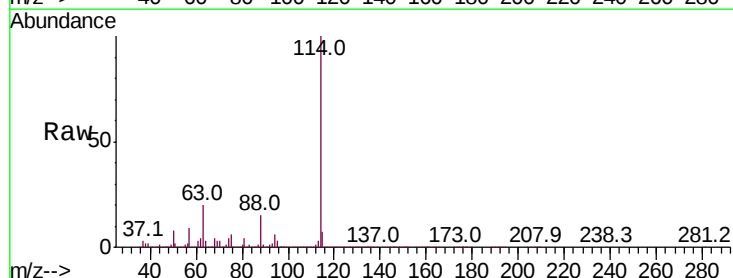
Tgt Ion: 114 Resp: 1403500

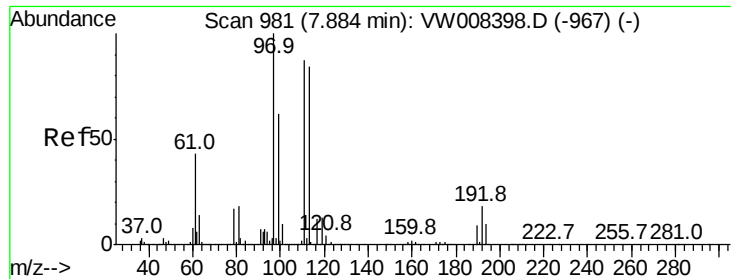
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.6

88 15.2 0.0 31.8

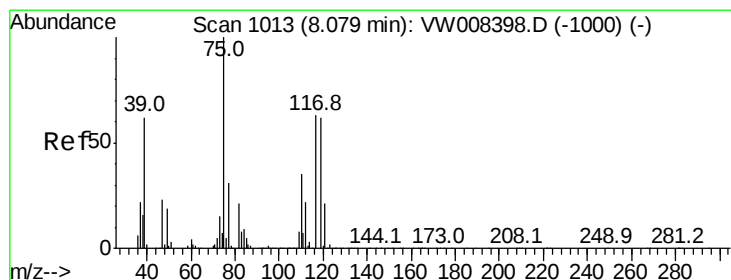
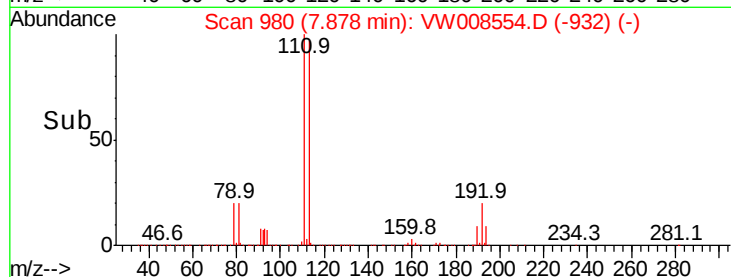
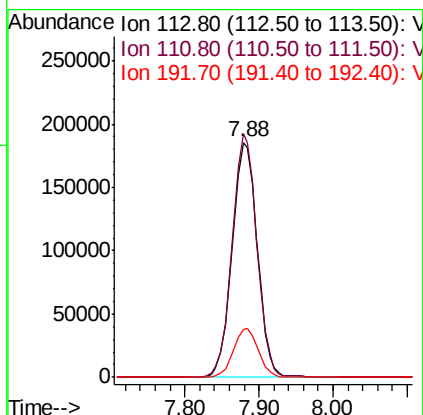
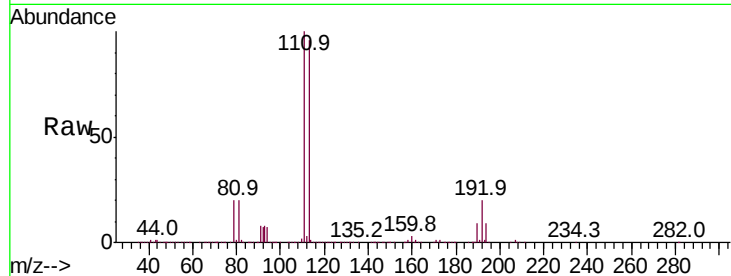




#35
 Dibromofluoromethane
 Concen: 53.593 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008554.D
 Acq: 07 Feb 2019 15:55

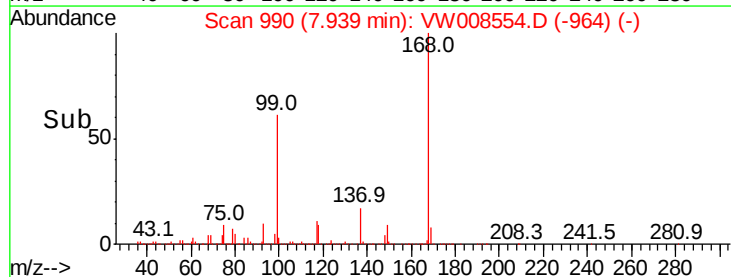
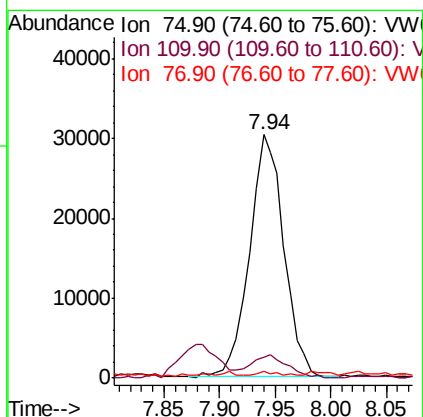
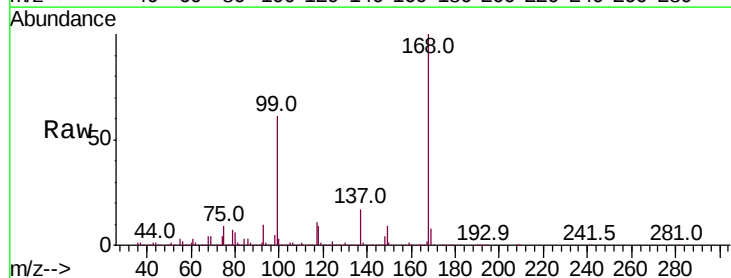
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(0-2)

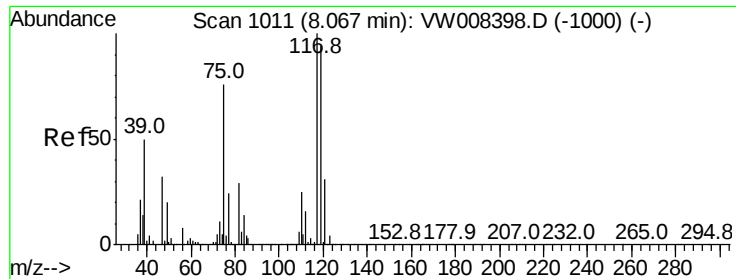
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.0	121.4
192	20.7	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.899 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008554.D
 Acq: 07 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.3	52.0#
77	0.9	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.484 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008554.D

Acq: 07 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

SB-04(0-2)

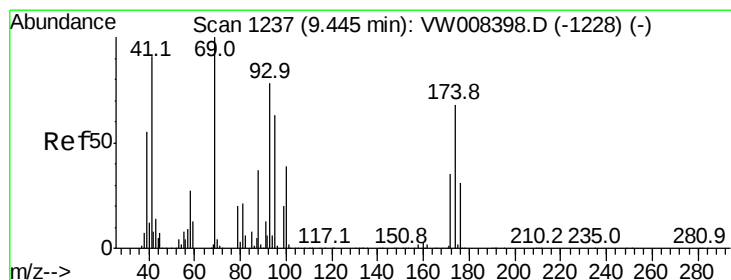
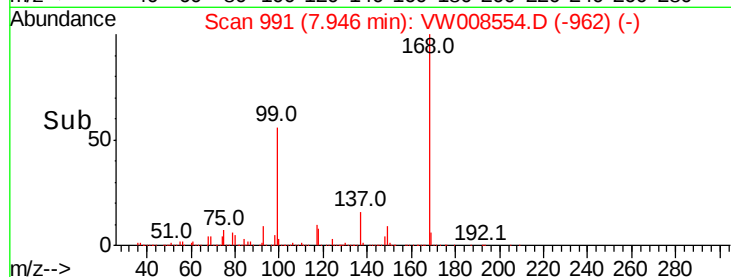
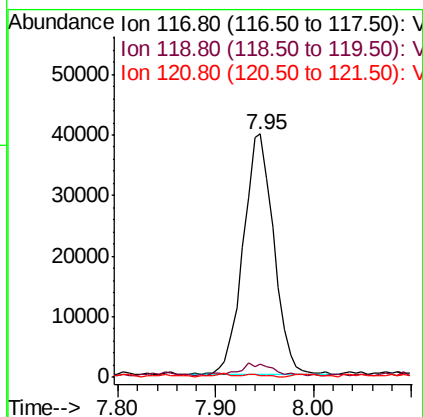
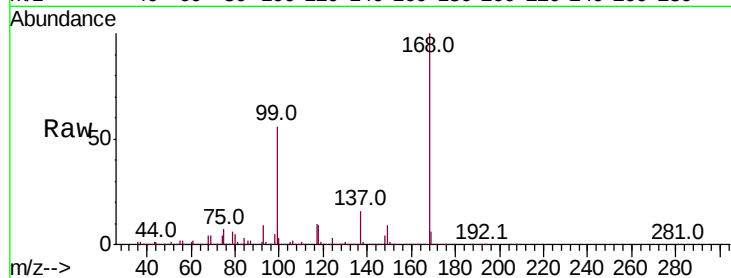
Tot Ion:117 Resp: 86505

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.4#

121 0.6 24.9 37.3#



#49

1,4-Dioxane

Concen: 1.141 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.03 min

Lab File: VW008554.D

Acq: 07 Feb 2019 15:55

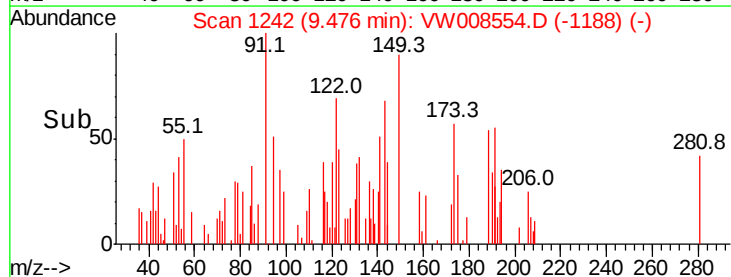
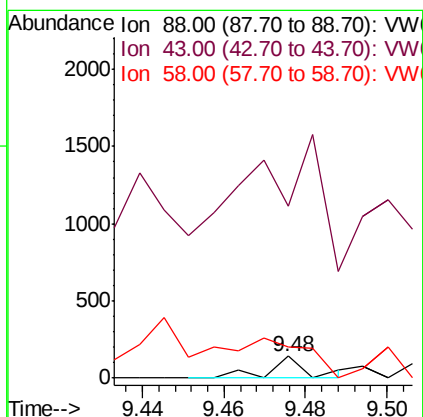
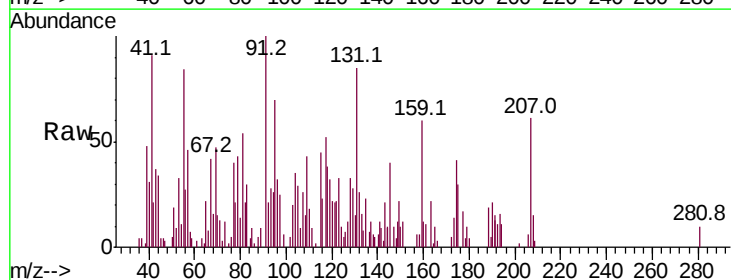
Tgt Ion: 88 Resp: 91

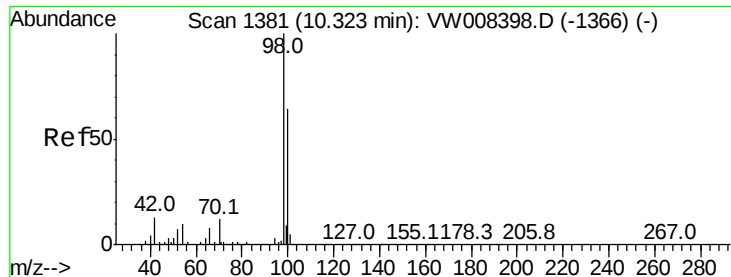
Ion Ratio Lower Upper

88 100

43 1140.7 29.0 43.4#

58 263.7 56.4 84.6#





#50

Toluene-d8

Concen: 51.576 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008554.D

Acq: 07 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

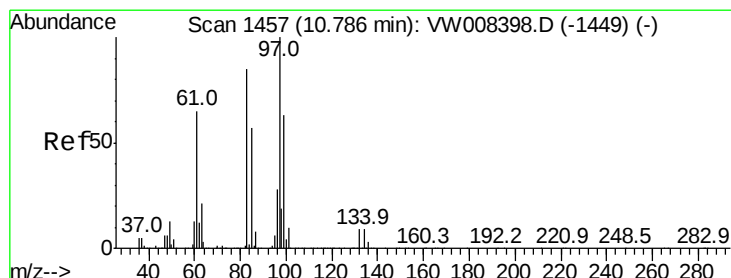
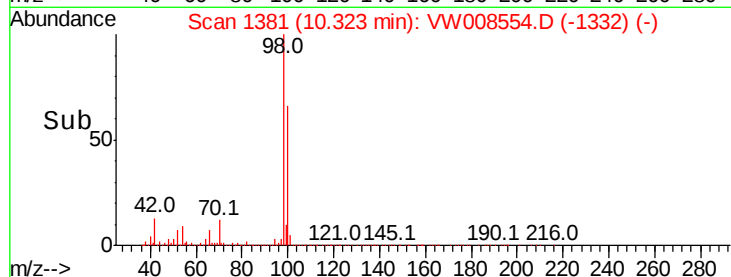
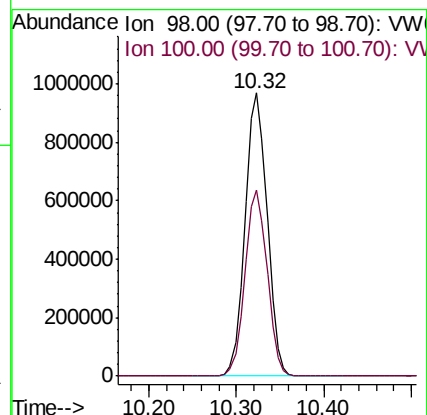
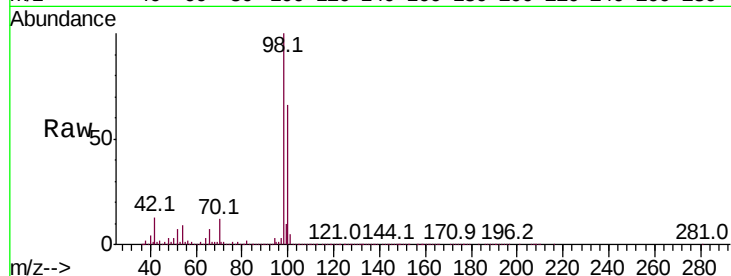
SB-04(0-2)

Tot Ion: 98 Resp: 1697336

Ion Ratio Lower Upper

98 100

100 65.8 52.6 78.8



#55

1,1,2-Trichloroethane

Concen: 1.494 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW008554.D

Acq: 07 Feb 2019 15:55

Tgt Ion: 97 Resp: 9774

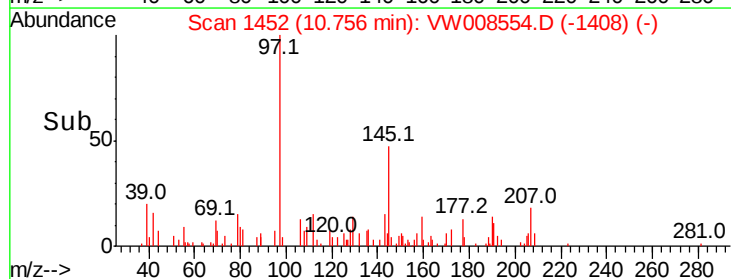
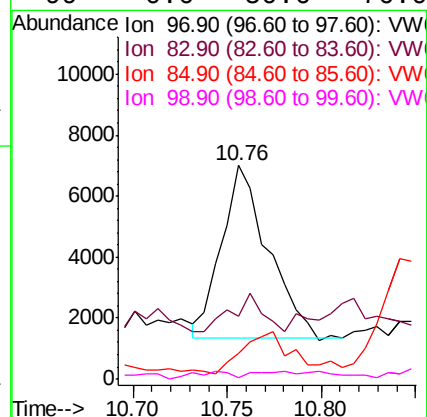
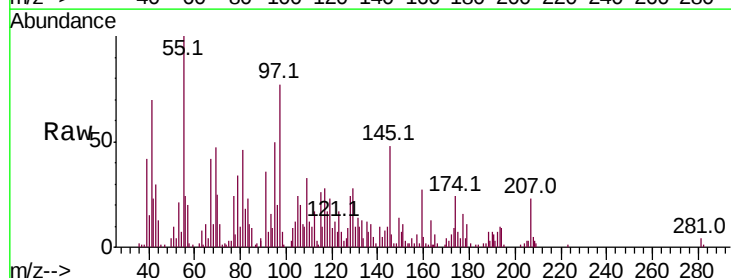
Ion Ratio Lower Upper

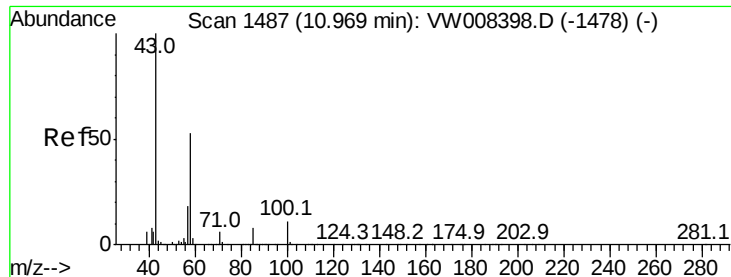
97 100

83 8.6 68.4 102.6#

85 9.4 45.3 67.9#

99 0.0 50.6 76.0#

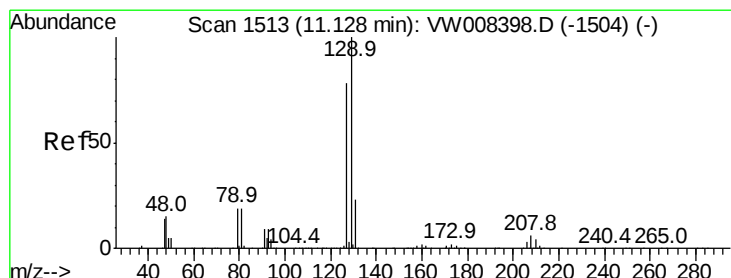
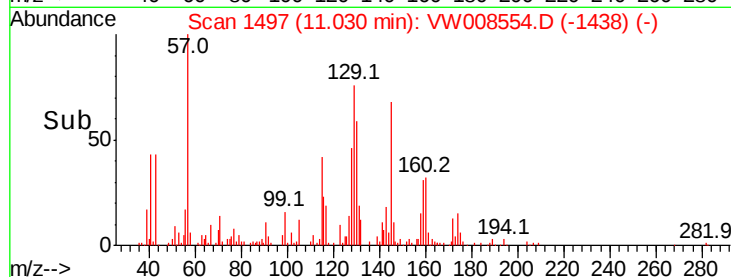
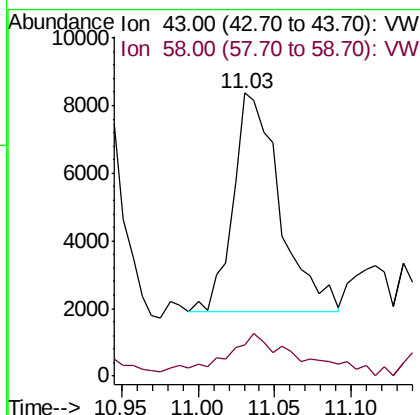
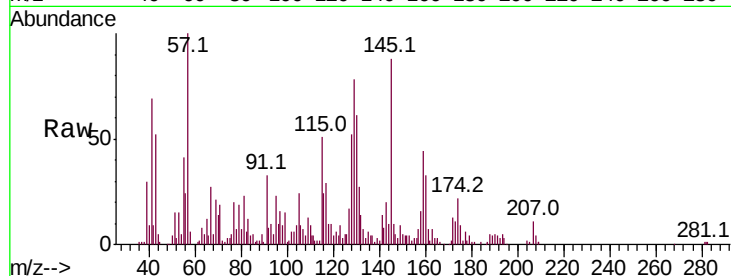




#59
2-Hexanone
Concen: 3.238 ug/l
RT: 11.03 min Scan# 1497
Delta R.T. 0.06 min
Lab File: VW008554.D
Acq: 07 Feb 2019 15:55

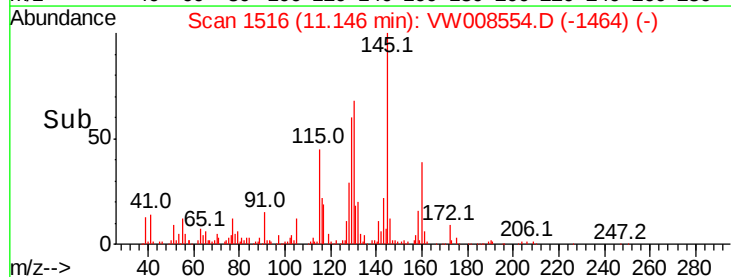
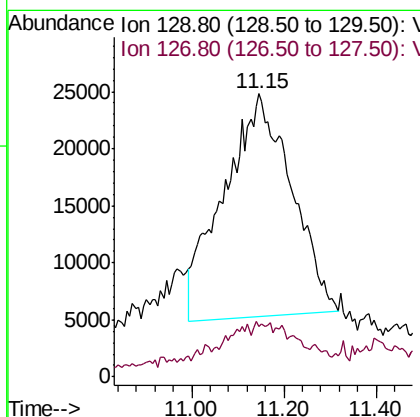
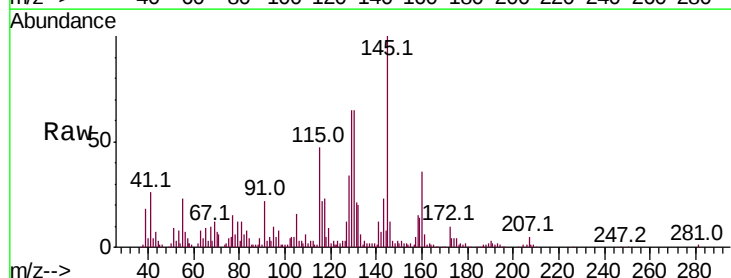
Instrument :
MSVOA_W
ClientSampleId :
SB-04(0-2)

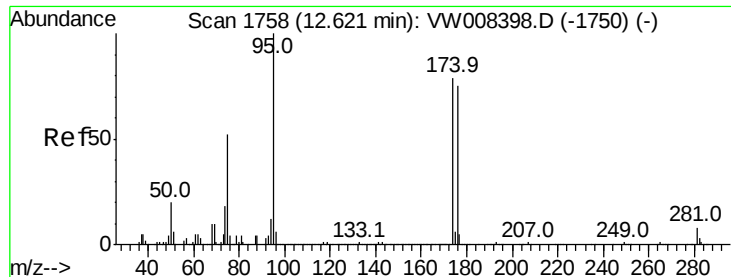
Tot Ion: 43 Resp: 13761
Ion Ratio Lower Upper
43 100
58 31.8 25.9 77.7



#60
Dibromochloromethane
Concen: 23.763 ug/l
RT: 11.15 min Scan# 1516
Delta R.T. 0.02 min
Lab File: VW008554.D
Acq: 07 Feb 2019 15:55

Tgt Ion: 129 Resp: 199835
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

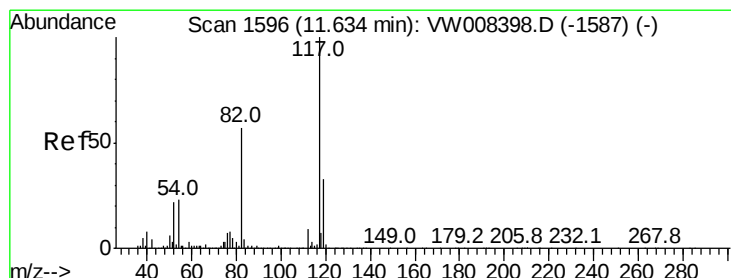
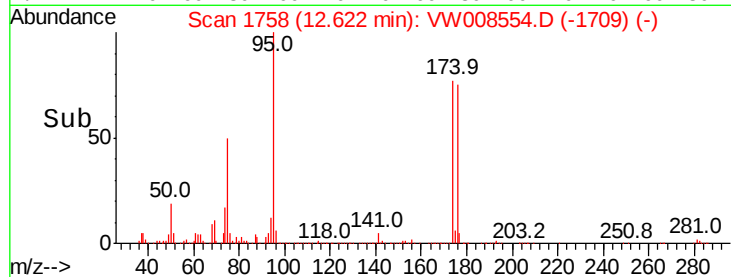
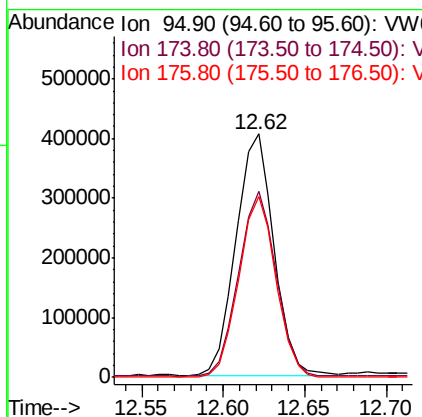
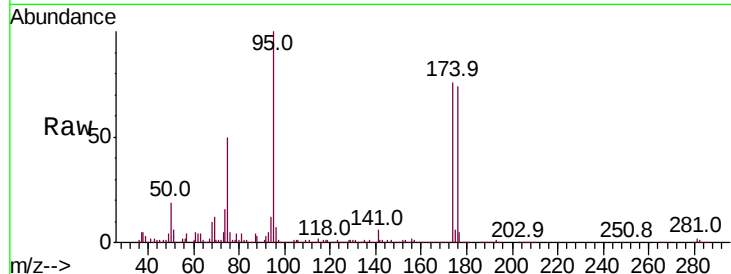




#62
4-Bromofluorobenzene
Concen: 52.021 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008554.D
Acq: 07 Feb 2019 15:55

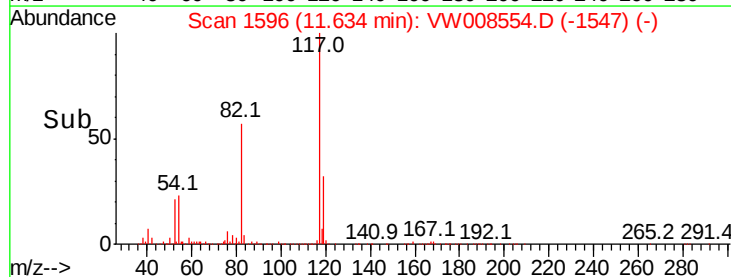
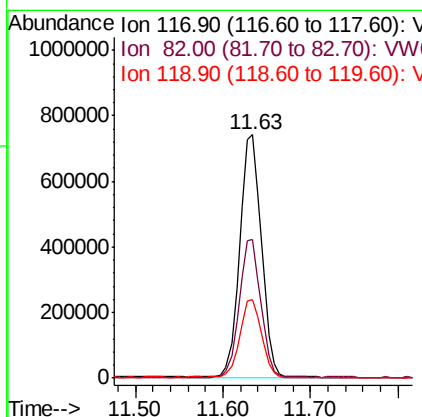
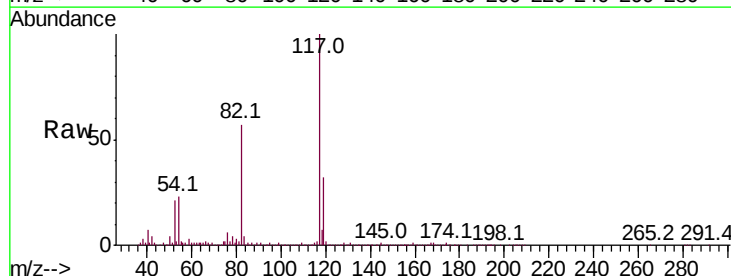
Instrument :
MSVOA_W
ClientSampled :
SB-04(0-2)

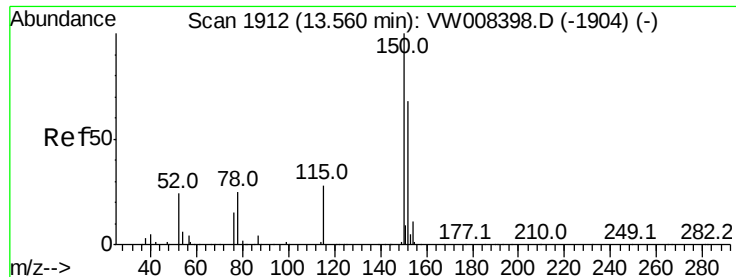
Tot Ion	95	Resp	658059
Ion Ratio	100	Lower	Upper
174	75.6	0.0	157.6
176	72.9	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008554.D
Acq: 07 Feb 2019 15:55

Tgt Ion	117	Resp	1278436
Ion Ratio	100	Lower	Upper
82	56.6	45.4	68.0
119	32.0	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: VW008554.D

Acq: 07 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

SB-04(0-2)

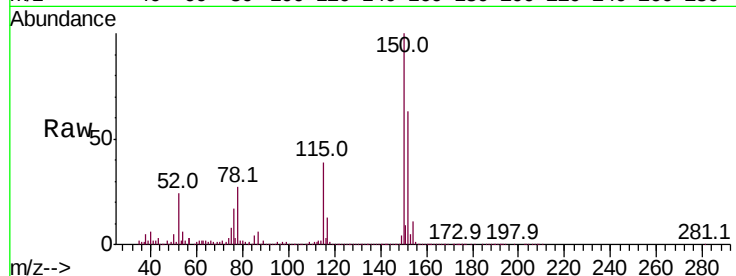
Tot Ion:152 Resp: 603207

Ion Ratio Lower Upper

152 100

115 60.4 29.9 89.7

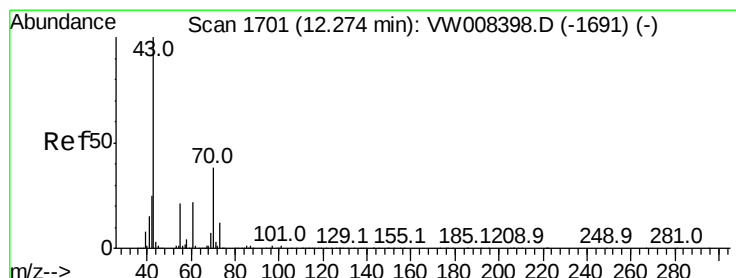
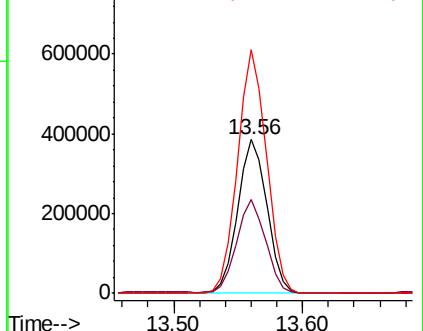
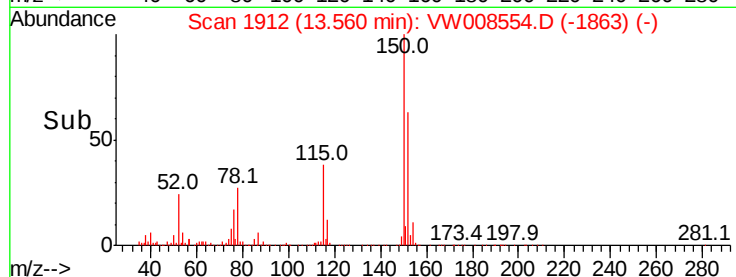
150 157.3 0.0 351.4



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



#74

N-ethyl acetate

Concen: 1.551 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008554.D

Acq: 07 Feb 2019 15:55

Tgt Ion: 43 Resp: 17970

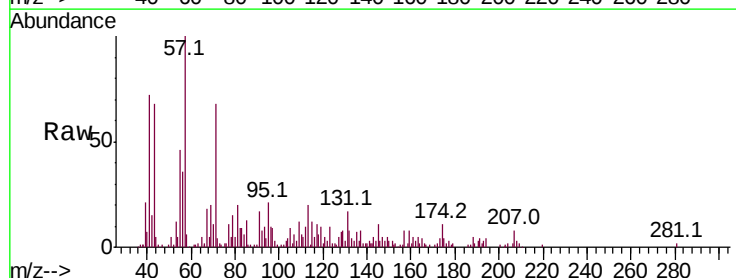
Ion Ratio Lower Upper

43 100

70 9.5 31.0 46.6#

55 19.5 17.4 26.2

61 0.9 18.2 27.4#

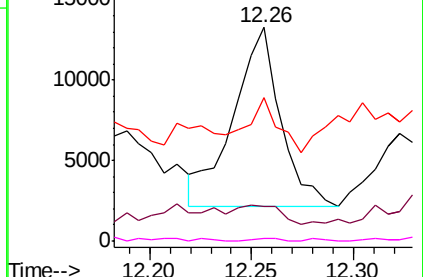
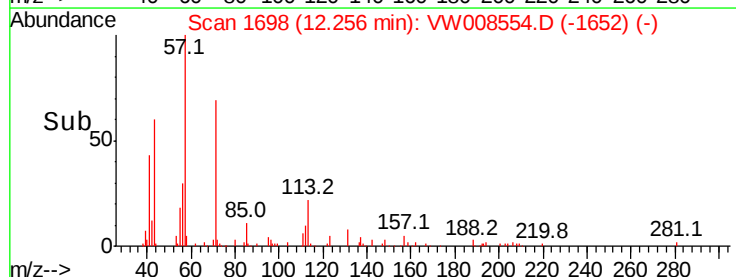


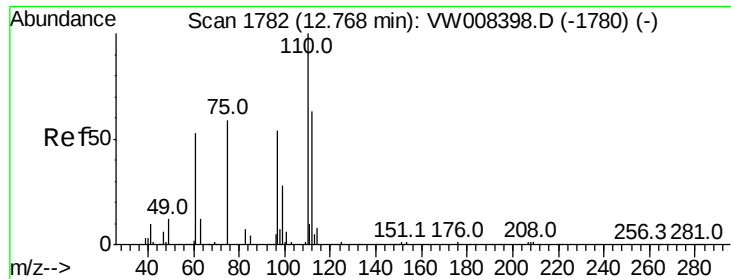
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

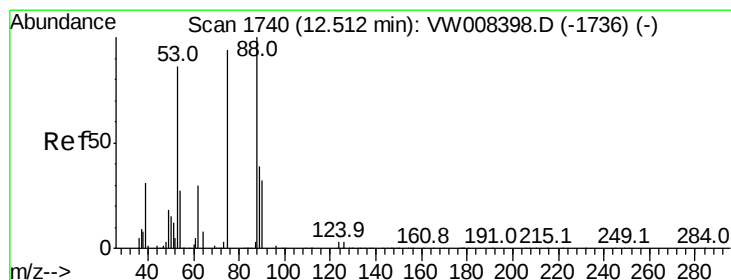
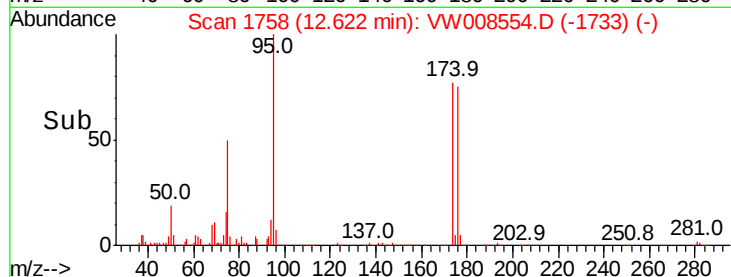
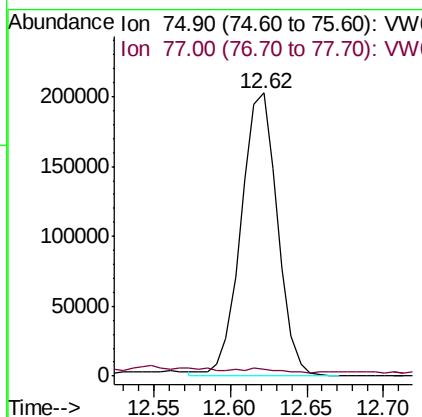
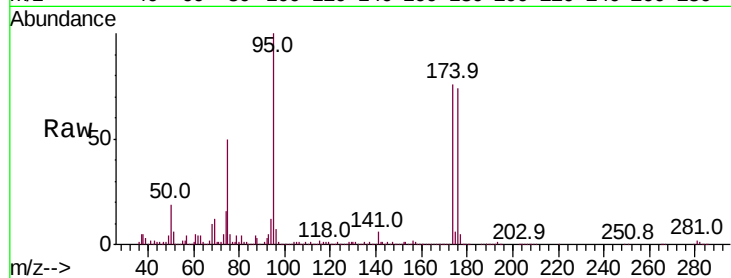




#76
 1,2,3-Trichloropropane
 Concen: 63.552 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008554.D
 Acq: 07 Feb 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(0-2)

Tot Ion: 75 Resp: 333296
 Ion Ratio Lower Upper
 75 100
 77 1.9 180.7 542.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.520 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008554.D
 Acq: 07 Feb 2019 15:55

Tgt Ion: 75 Resp: 333296
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.0 114.0#
 89 0.0 35.4 53.0#

