

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008585.D
 Acq On : 08 Feb 2019 21:00
 Operator : SY/VA
 Sample : K1390-05RE
 Misc : 5.19G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(13-14)RE

Quant Time: Feb 09 00:29:24 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	197998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	316130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	285802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147040	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	106424	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	
35) Dibromofluoromethane	7.88	113	95847	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
50) Toluene-d8	10.32	98	377133	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.62	95	140650	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	

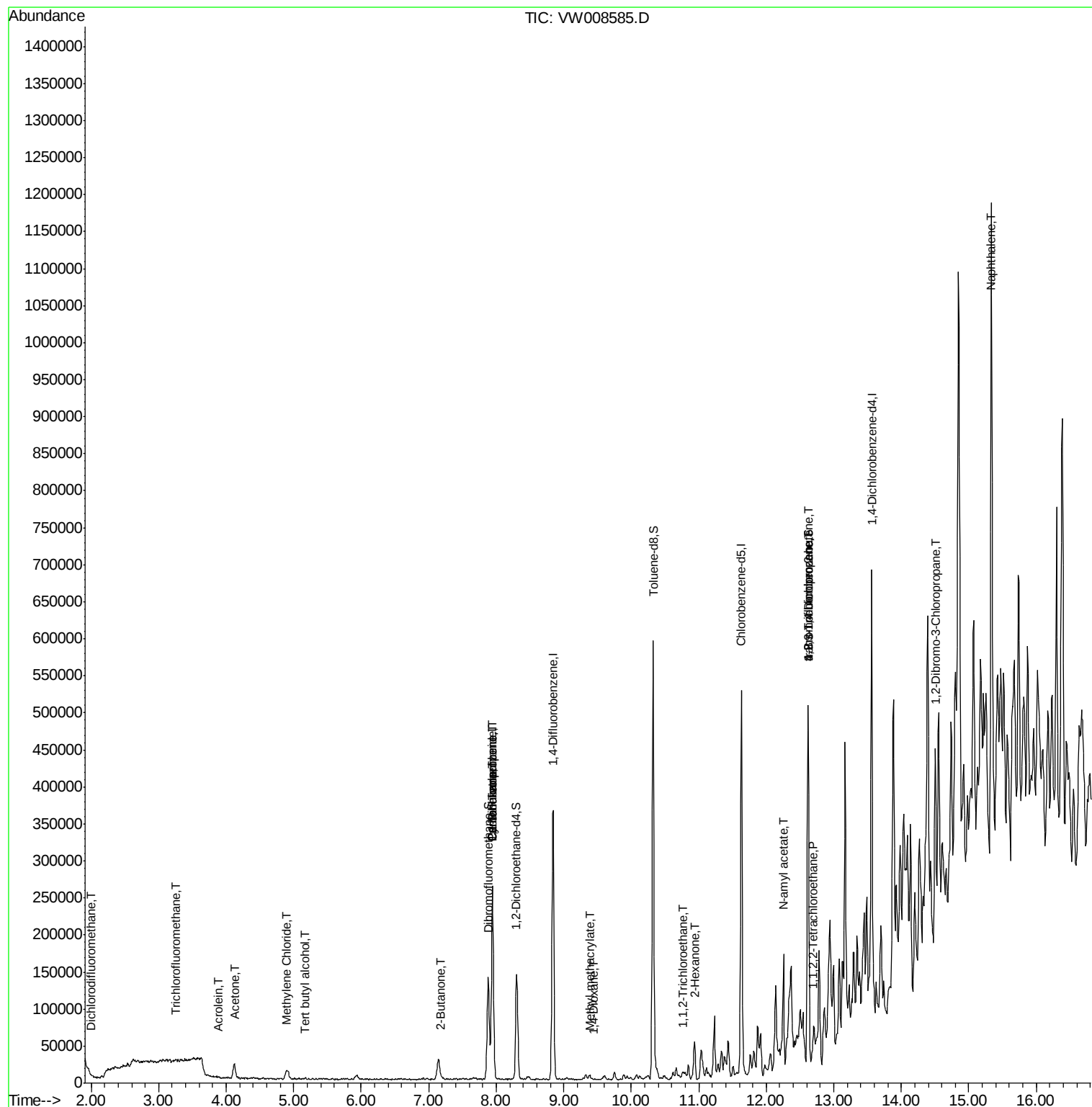
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	155	3.379	ug/l	97
7) Trichlorofluoromethane	3.25	101	290	4.872	ug/l #	1
11) Tert butyl alcohol	5.17	59	1015	6.481	ug/l #	92
13) Acrolein	3.88	56	229	5.815	ug/l #	14
16) Acetone	4.12	43	33141	75.870	ug/l	99
20) Methylene Chloride	4.90	84	8151	4.049	ug/l	86
25) 2-Butanone	7.18	43	2784	4.589	ug/l #	75
31) Cyclohexane	7.94	56	4929	1.291	ug/l #	47
36) 1,1-Dichloropropene	7.95	75	14571	4.879	ug/l #	52
38) Carbon Tetrachloride	7.94	117	18666	6.212	ug/l #	17
48) Methyl methacrylate	9.38	41	1473	1.098	ug/l #	53
49) 1,4-Dioxane	9.44	88	72	4.008	ug/l #	23
55) 1,1,2-Trichloroethane	10.76	97	2521	1.710	ug/l #	29
59) 2-Hexanone	10.94	43	20222	21.124	ug/l #	34
74) N-amyl acetate	12.26	43	34889	12.354	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.69	83	3198	1.843	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	73018	57.116	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	73018	112.809	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.51	75	892	2.709	ug/l #	24
95) Naphthalene	15.34	128	6486	1.210	ug/l #	1

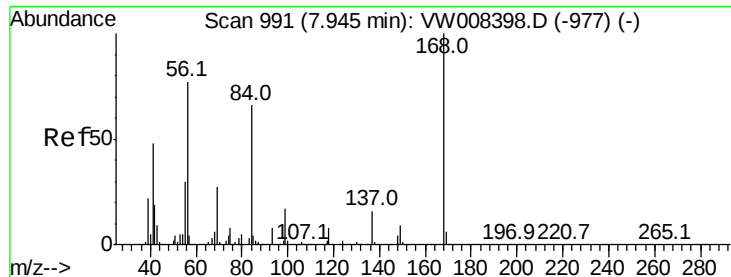
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008585.D

Acq: 08 Feb 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

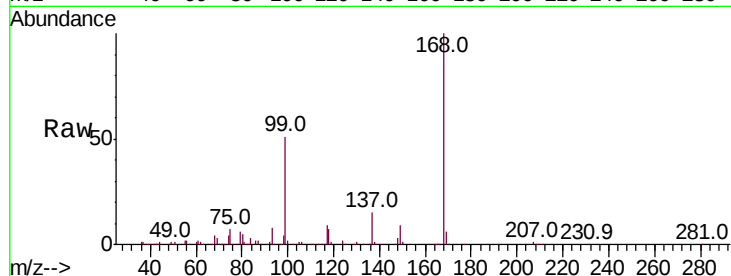
SB-04(13-14)RE

Tot Ion:168 Resp: 197998

Ion Ratio Lower Upper

168 100

99 51.4 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

100000

80000

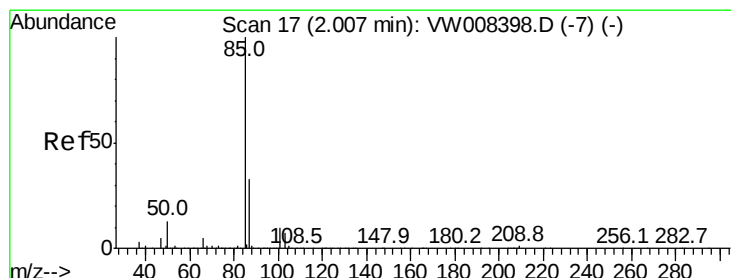
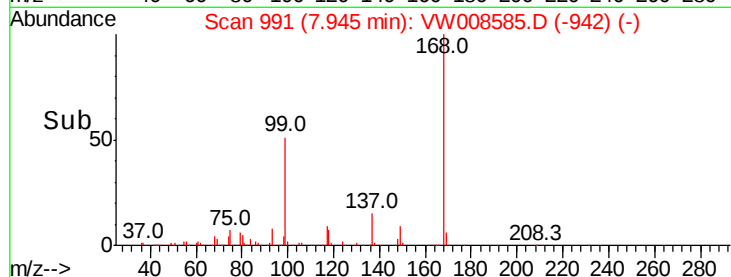
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.379 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008585.D

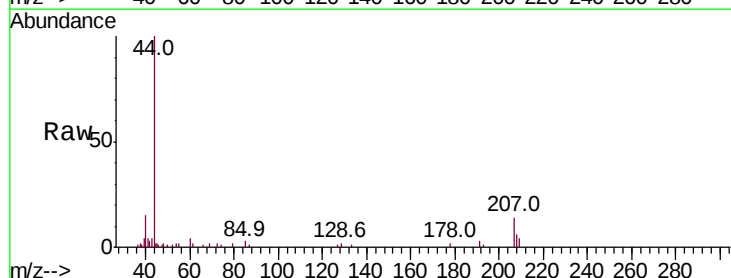
Acq: 08 Feb 2019 21:00

Tgt Ion: 85 Resp: 155

Ion Ratio Lower Upper

85 100

87 31.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

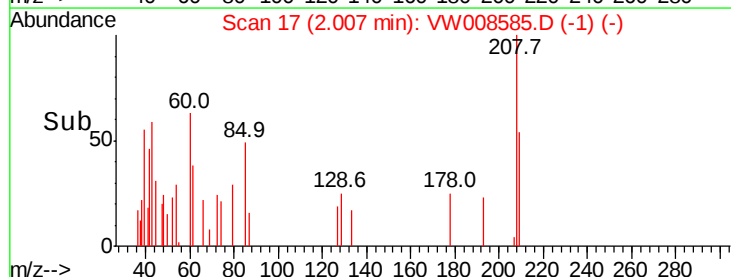
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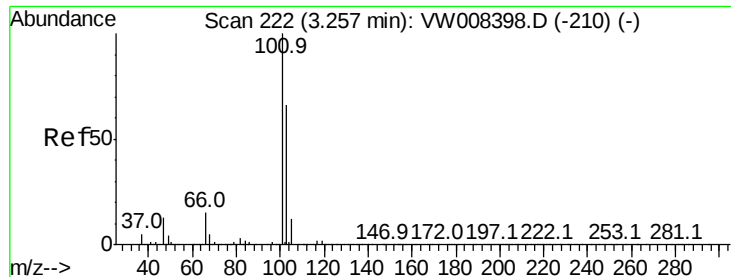
100

50

0

Time-->



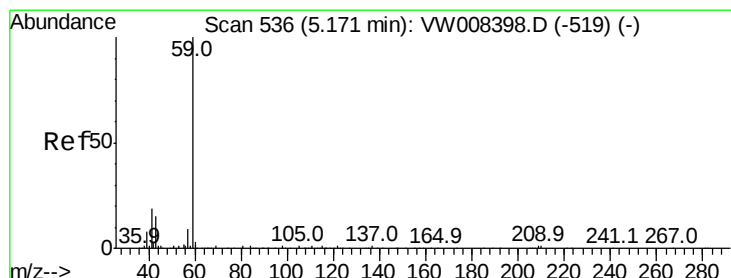
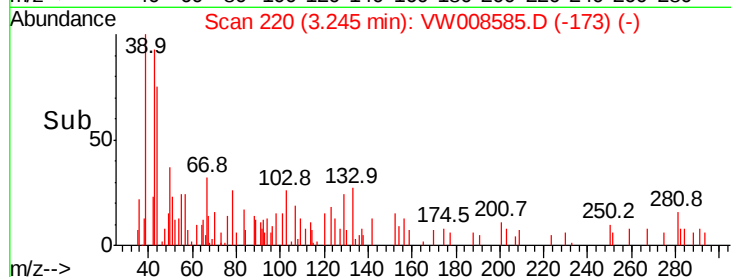
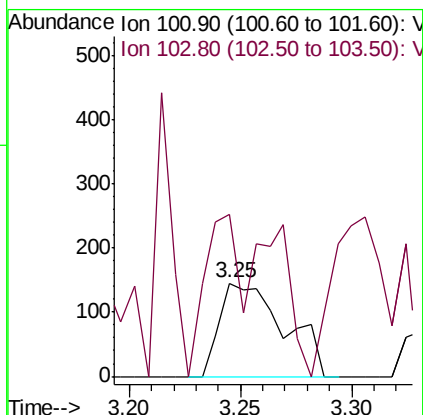
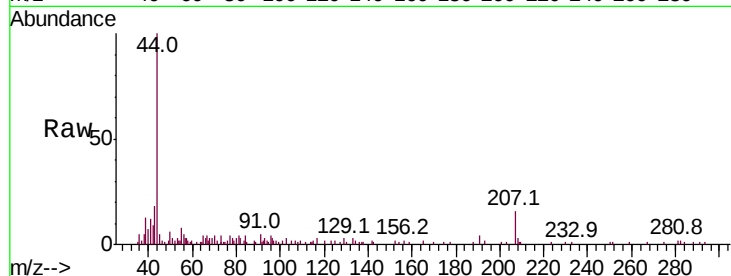


#7

Trichlorofluoromethane
Concen: 4.872 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
SB-04(13-14)RE

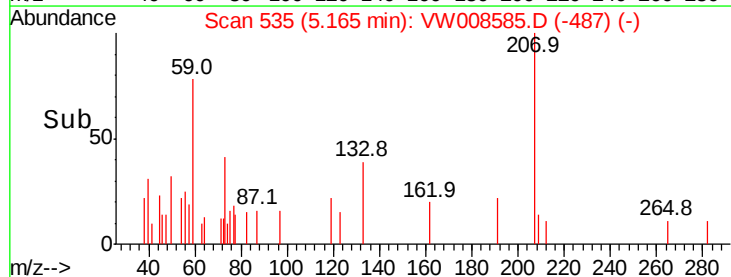
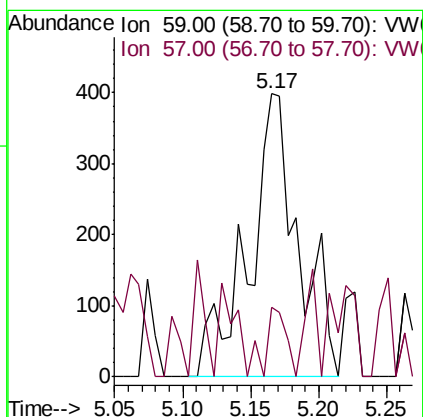
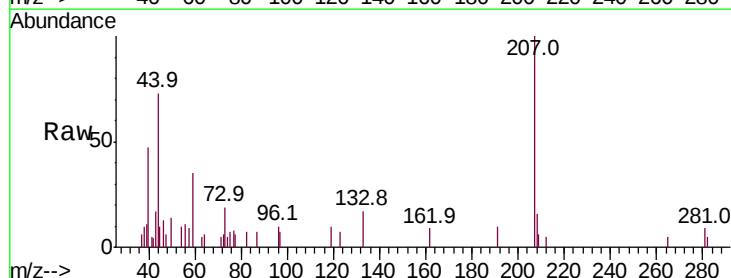
Tot Ion:101 Resp: 290
Ion Ratio Lower Upper
101 100
103 173.8 52.5 78.7#

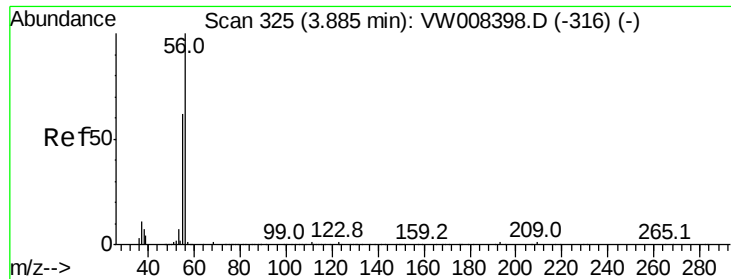


#11

Tert butyl alcohol
Concen: 6.481 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

Tgt Ion: 59 Resp: 1015
Ion Ratio Lower Upper
59 100
57 8.7 9.3 13.9#





#13

Acrolein

Concen: 5.815 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008585.D

Acq: 08 Feb 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

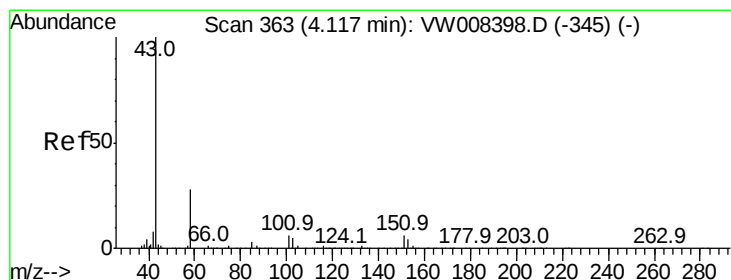
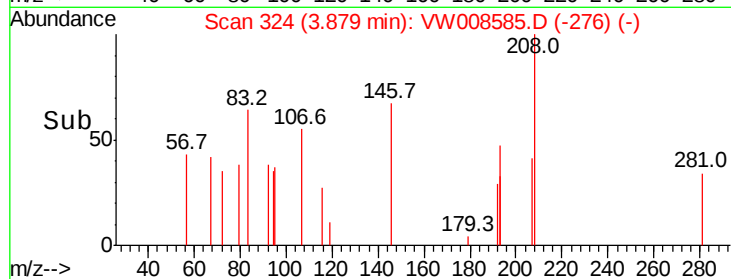
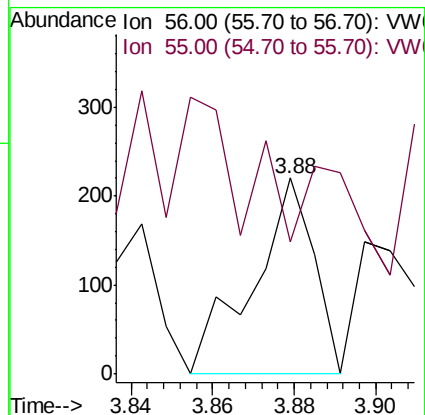
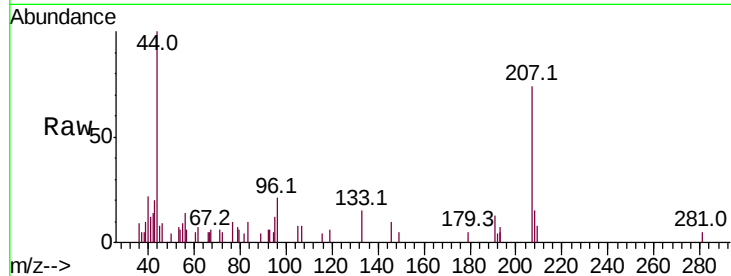
SB-04(13-14)RE

Tot Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 75.870 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008585.D

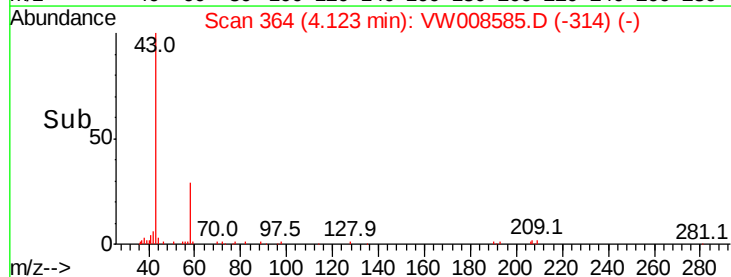
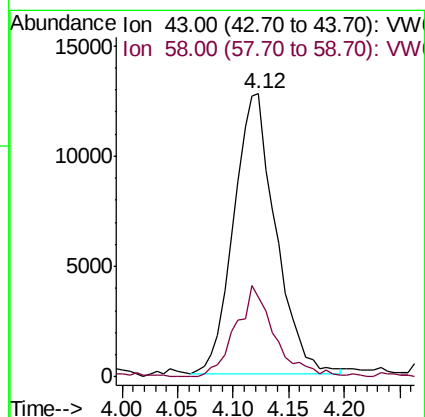
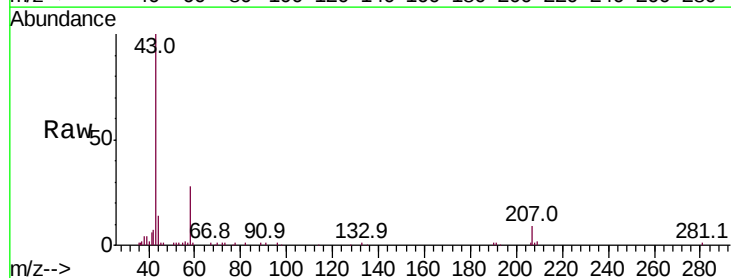
Acq: 08 Feb 2019 21:00

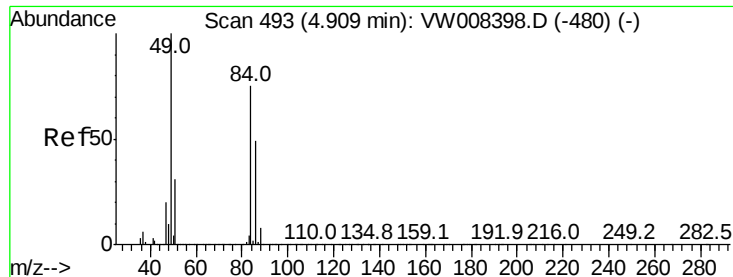
Tgt Ion: 43 Resp: 33141

Ion Ratio Lower Upper

43 100

58 28.6 22.6 34.0

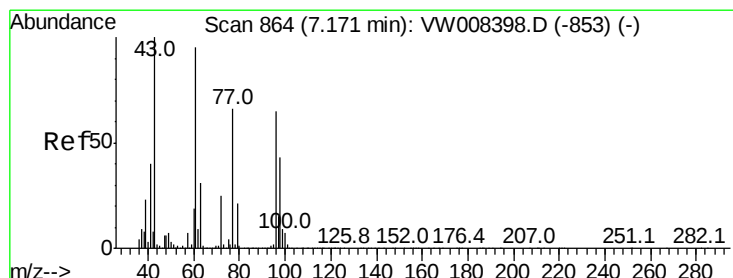
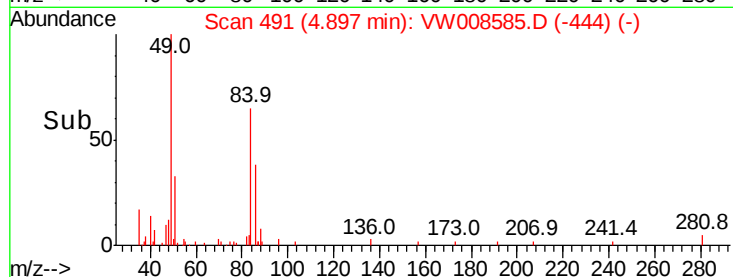
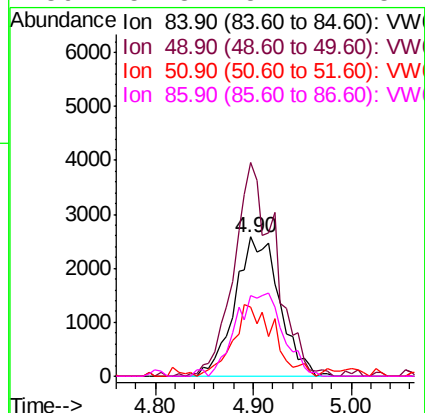
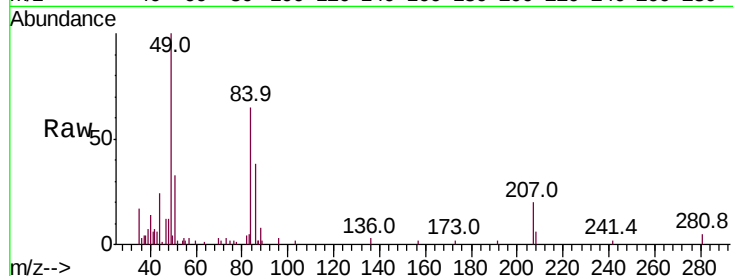




#20
Methvlene Chloride
Concen: 4.049 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

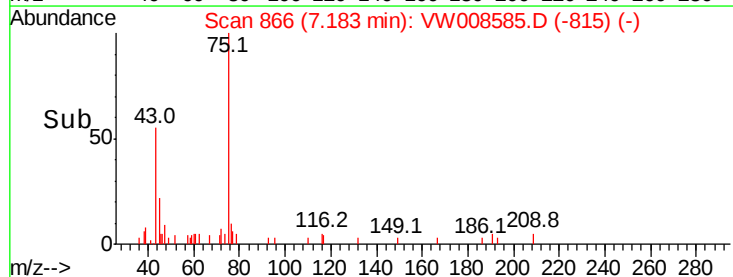
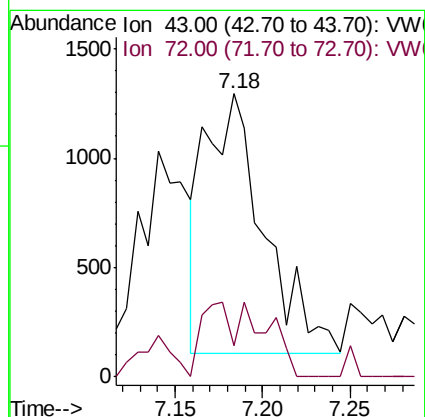
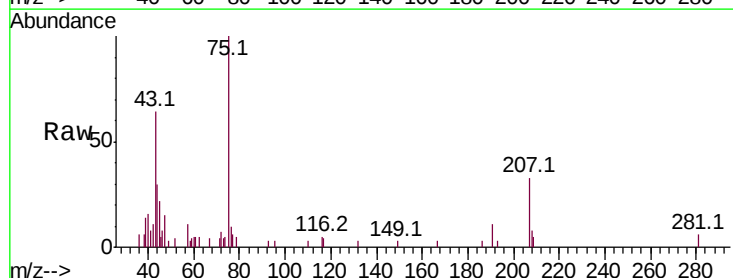
Instrument :
MSVOA_W
ClientSampleId :
SB-04(13-14)RE

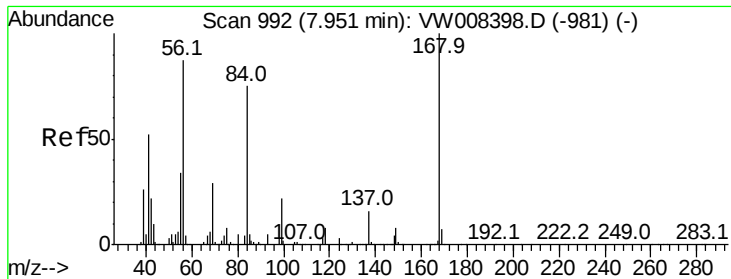
Tot Ion:	84	Resp:	8151
Ion	Ratio	Lower	Upper
84	100		
49	153.6	106.8	160.2
51	47.3	32.9	49.3
86	57.8	52.2	78.2



#25
2-Butanone
Concen: 4.589 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

Tgt Ion:	43	Resp:	2784
Ion	Ratio	Lower	Upper
43	100		
72	12.3	20.1	30.1#

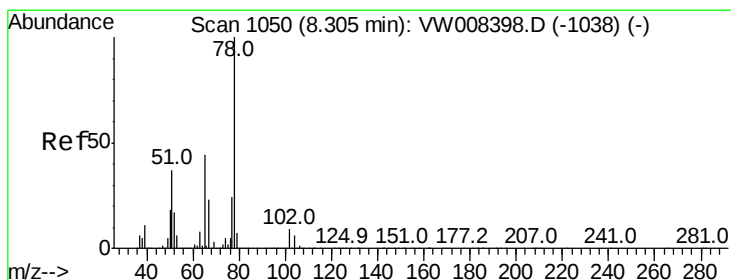
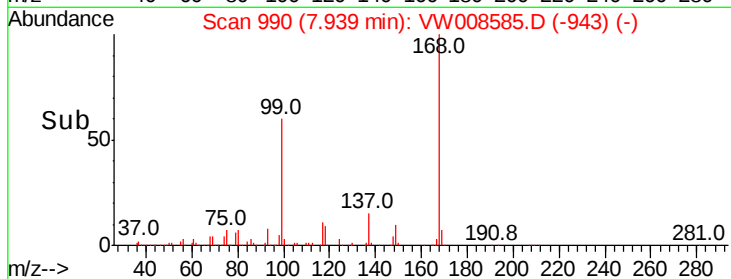
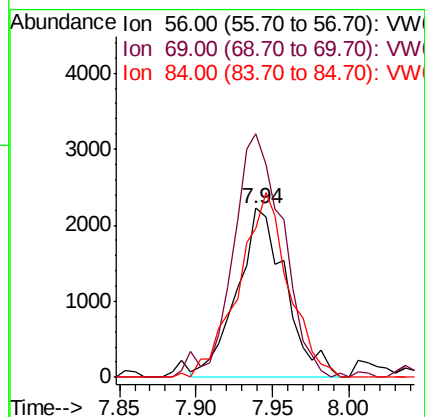
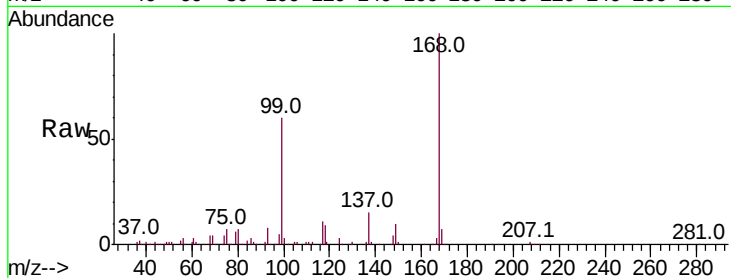




#31
Cyclohexane
Concen: 1.291 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

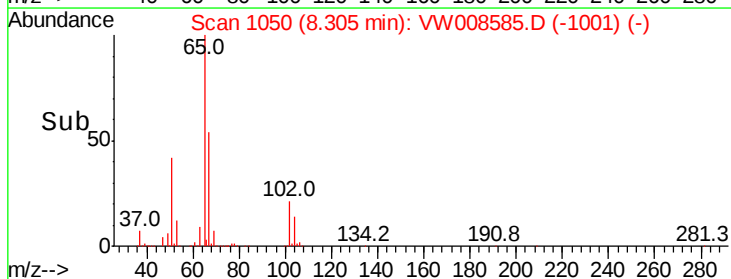
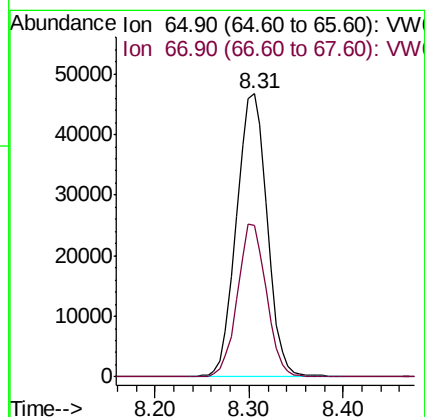
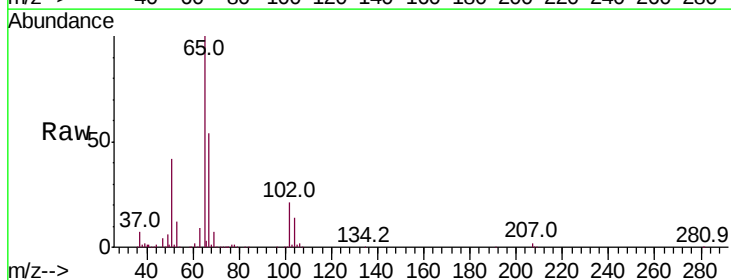
Instrument :
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ClientSampleId :
SB-04(13-14)RE

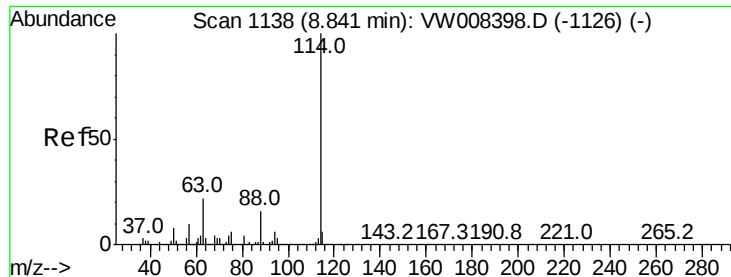
Tot Ion: 56 Resp: 4929
Ion Ratio Lower Upper
56 100
69 138.3 26.4 39.6#
84 88.0 69.1 103.7



#33
1,2-Dichloroethane-d4
Concen: 54.713 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

Tgt Ion: 65 Resp: 106424
Ion Ratio Lower Upper
65 100
67 51.0 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: VW008585.D

Acq: 08 Feb 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

SB-04(13-14)RE

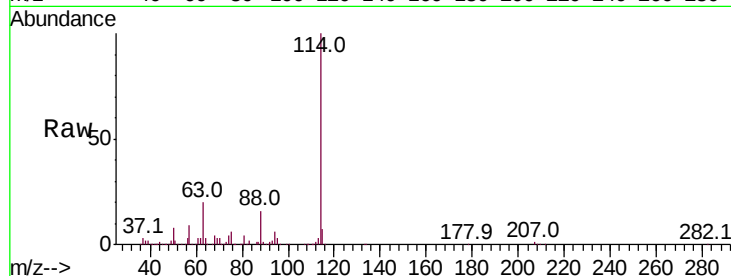
Tot Ion:114 Resp: 316130

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.6

88 15.7 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

200000

150000

100000

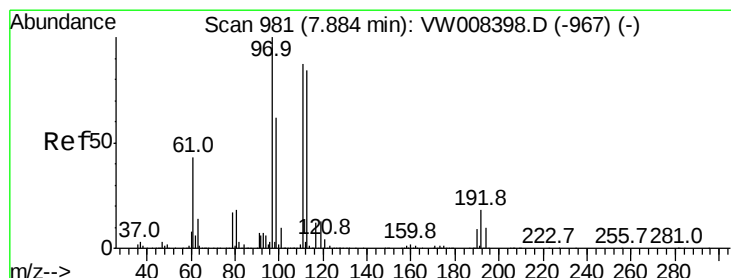
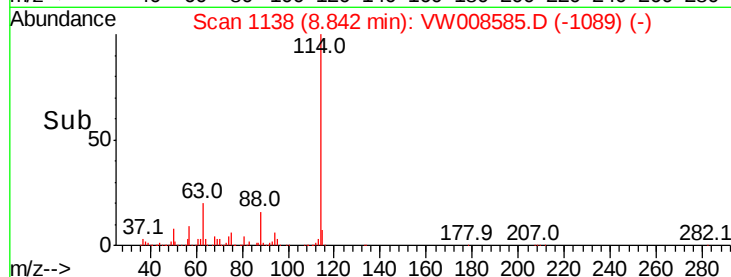
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0

8.84

8.80 8.90

Time-->



#35

Dibromofluoromethane

Concen: 51.851 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008585.D

Acq: 08 Feb 2019 21:00

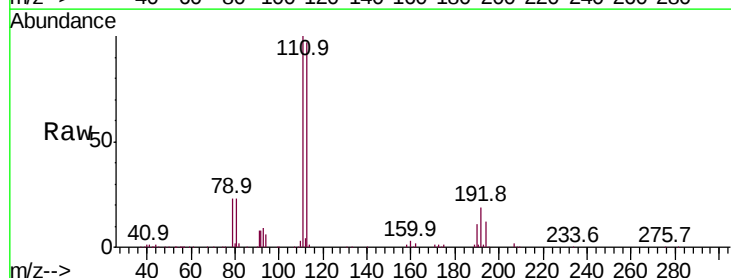
Tgt Ion:113 Resp: 95847

Ion Ratio Lower Upper

113 100

111 102.1 81.0 121.4

192 21.4 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

50000

40000

30000

20000

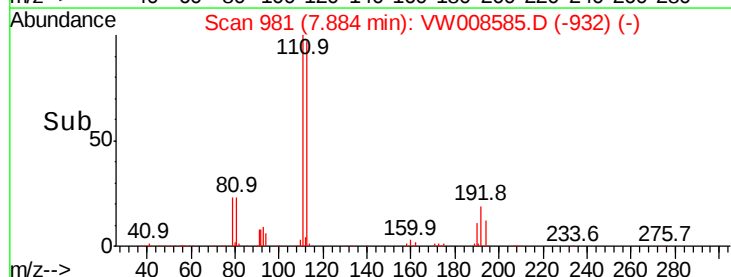
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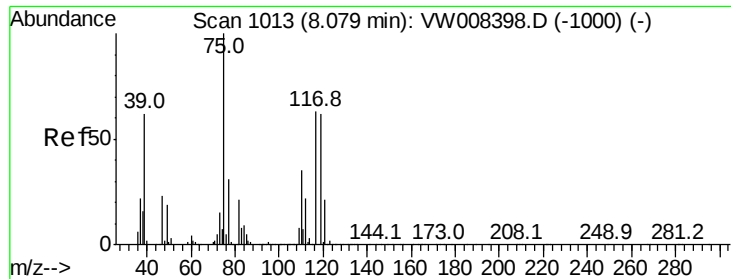
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7.88

7.80 7.90 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 4.879 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008585.D

Acq: 08 Feb 2019 21:00

Instrument :

MSVOA_W

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SB-04(13-14)RE

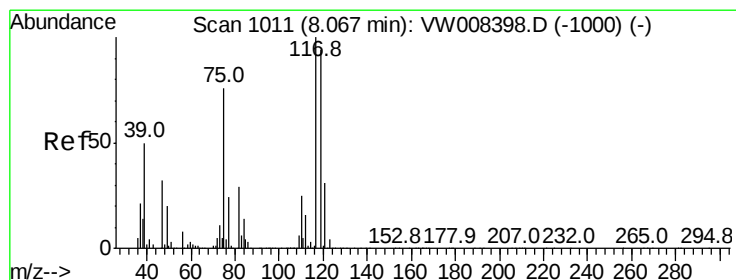
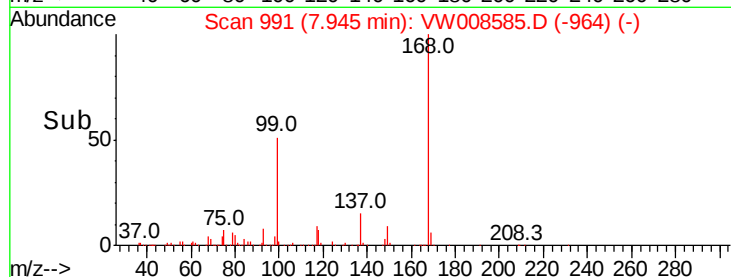
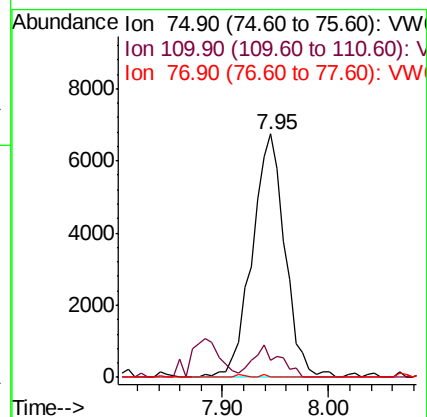
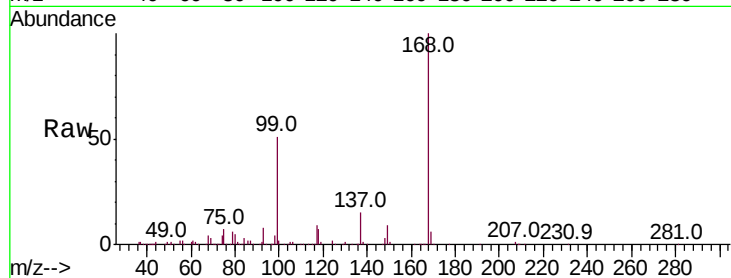
Tot Ion: 75 Resp: 14571

Ion Ratio Lower Upper

75 100

110 10.9 17.3 52.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.212 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW008585.D

Acq: 08 Feb 2019 21:00

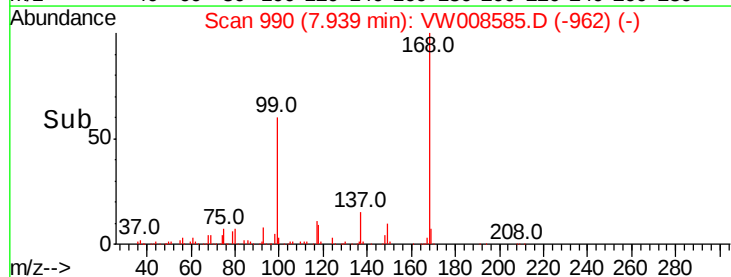
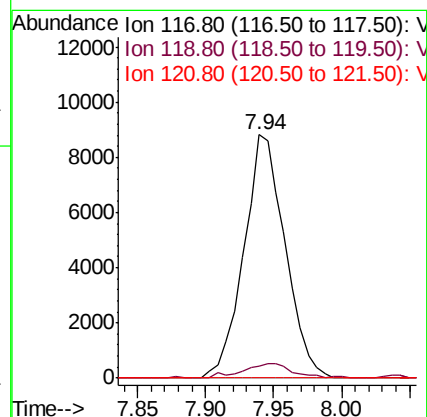
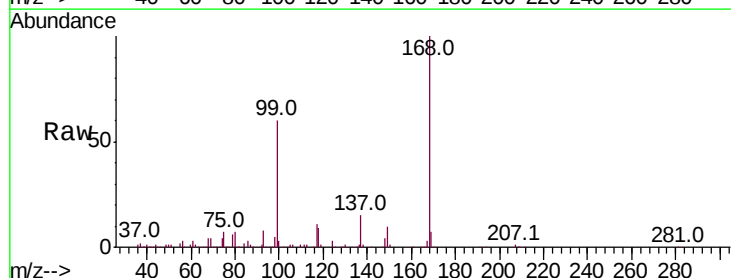
Tgt Ion: 117 Resp: 18666

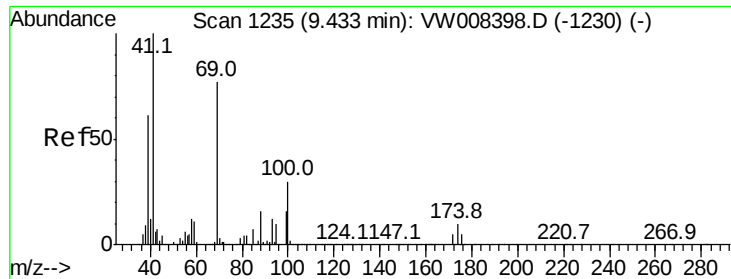
Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.4#

121 0.0 24.9 37.3#

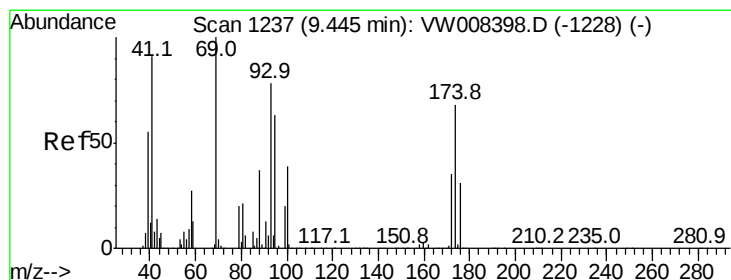
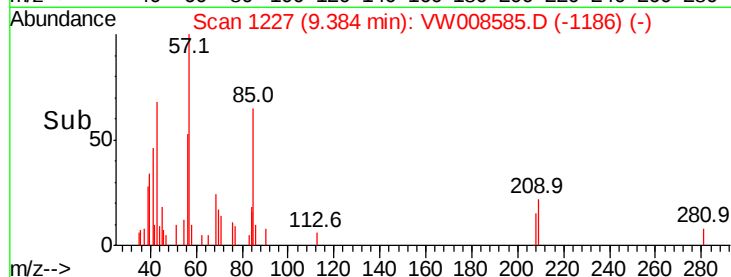
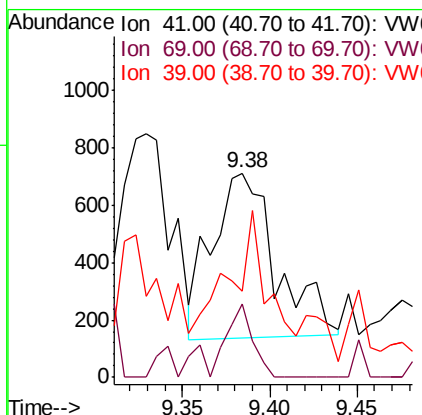
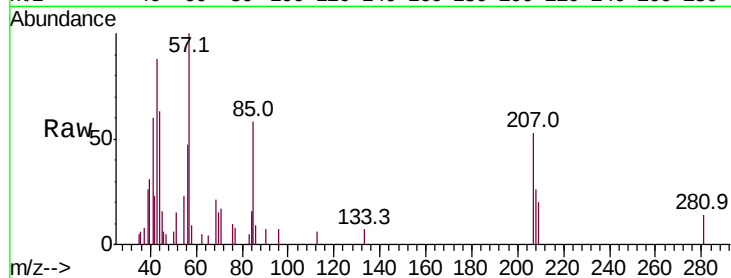




#48
Methyl methacrylate
Concen: 1.098 ug/l
RT: 9.38 min Scan# 1227
Delta R.T. -0.05 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

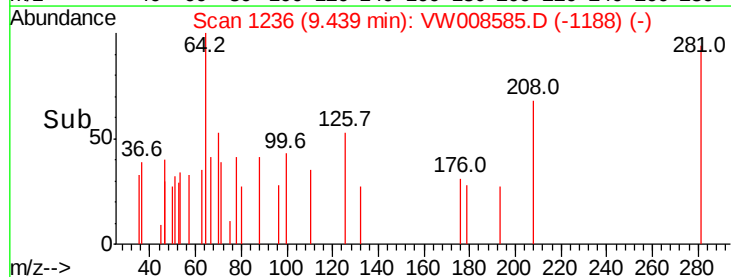
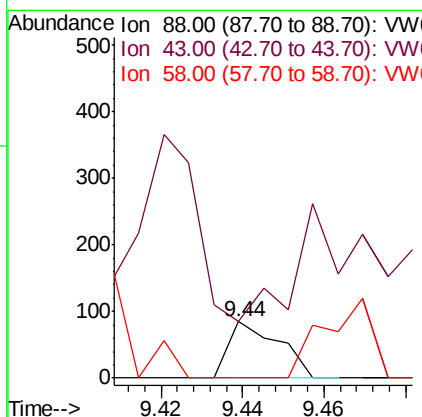
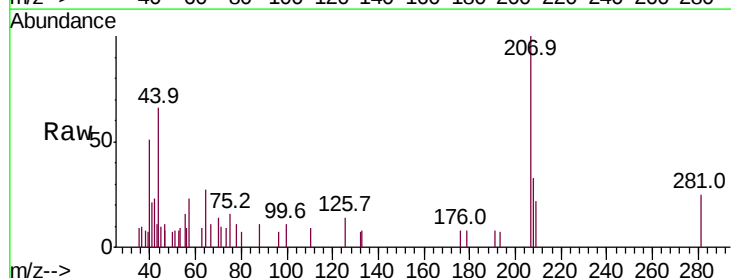
Instrument :
MSVOA_W
ClientSampleId :
SB-04(13-14)RE

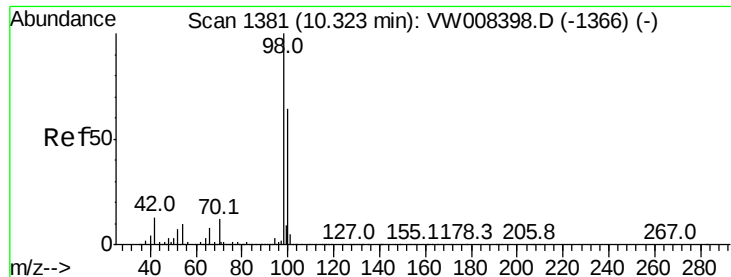
Tot Ion: 41 Resp: 1473
Ion Ratio Lower Upper
41 100
69 17.9 64.8 97.2#
39 50.0 49.1 73.7



#49
1,4-Dioxane
Concen: 4.008 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 0.0 56.4 84.6#

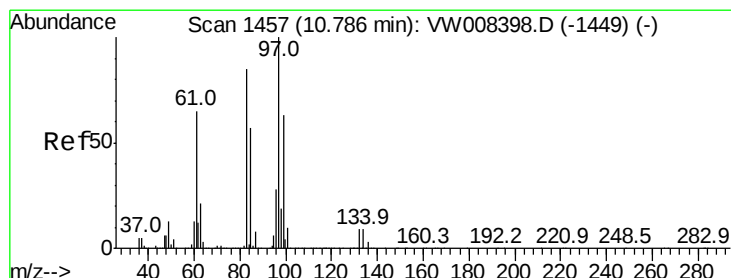
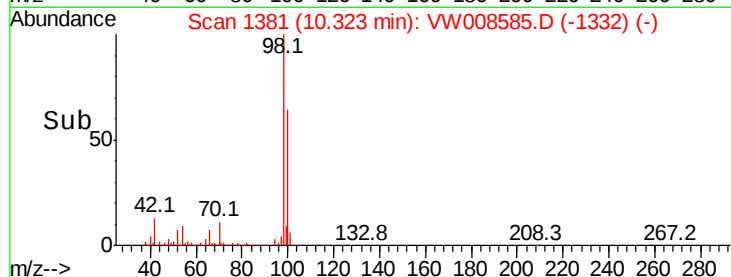
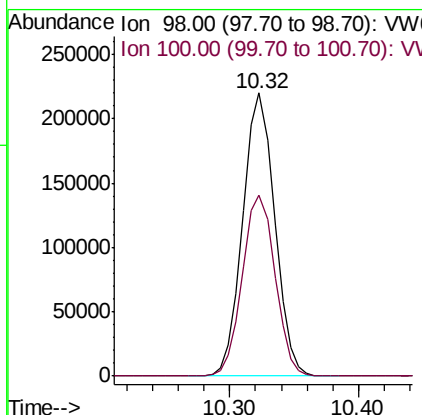
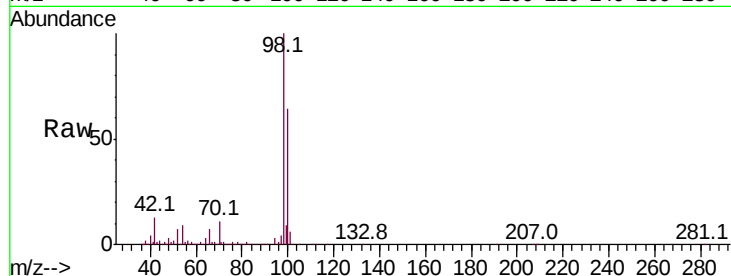




#50
Toluene-d8
Concen: 50.877 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

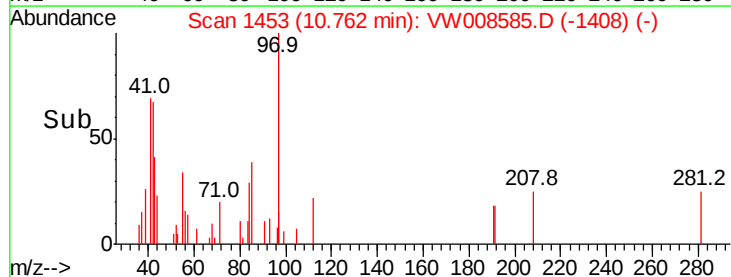
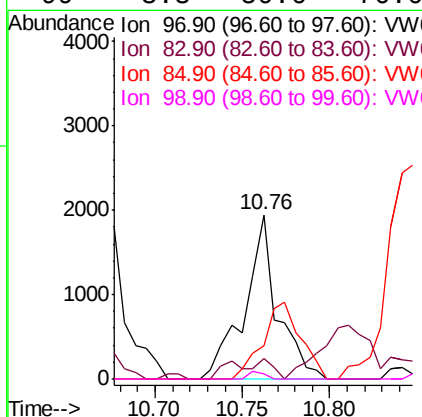
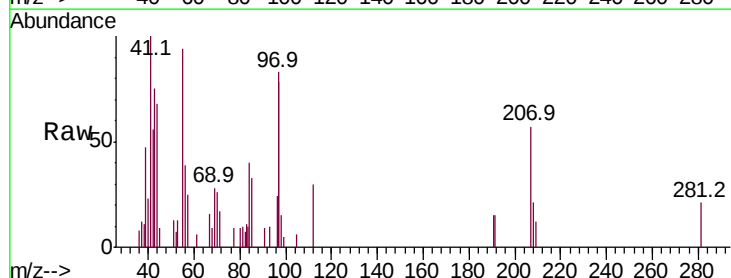
Instrument :
MSVOA_W
ClientSampleId :
SB-04(13-14)RE

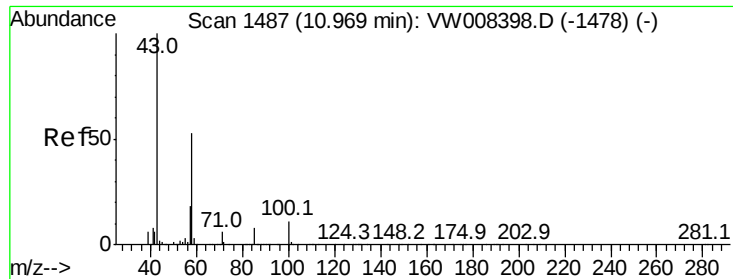
Tot Ion: 98 Resp: 377133
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 1.710 ug/l
RT: 10.76 min Scan# 1453
Delta R.T. -0.02 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

Tgt Ion: 97 Resp: 2521
Ion Ratio Lower Upper
97 100
83 12.7 68.4 102.6#
85 20.3 45.3 67.9#
99 3.3 50.6 76.0#

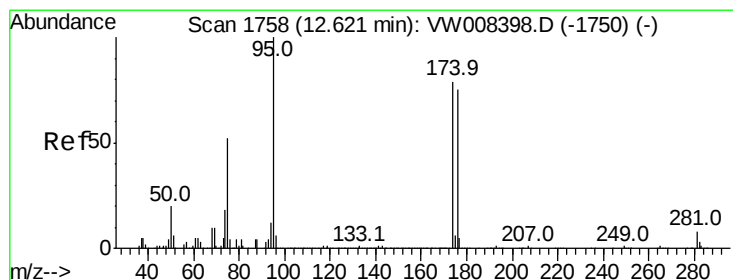
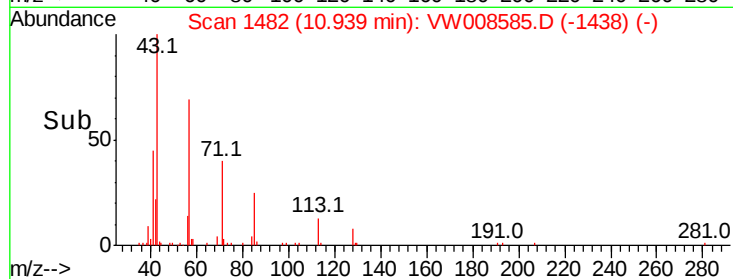
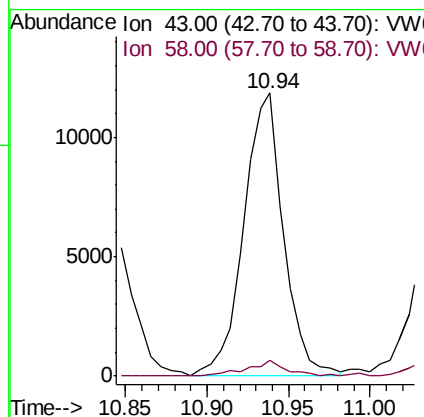
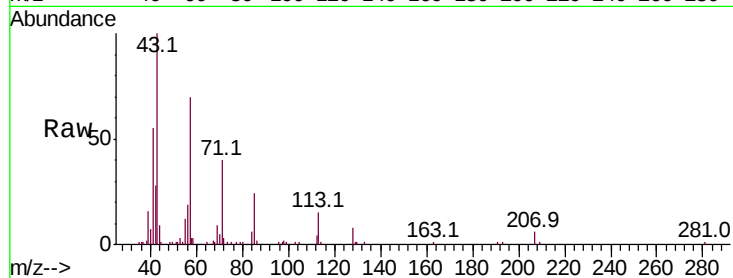




#59
2-Hexanone
Concen: 21.124 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

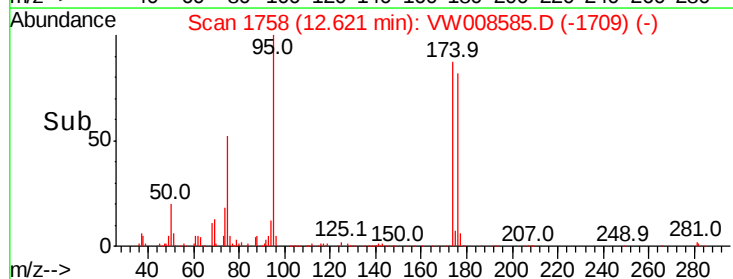
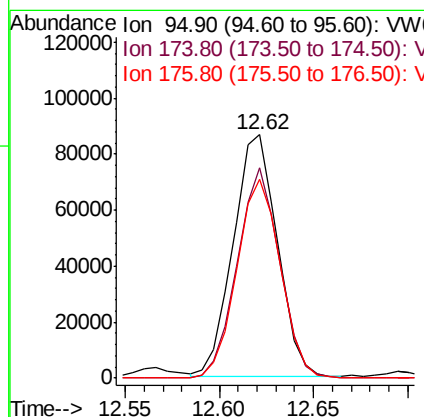
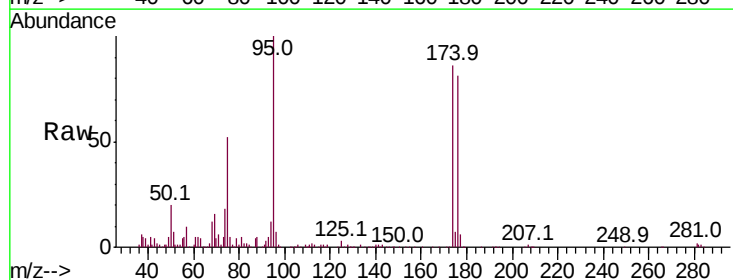
Instrument :
MSVOA_W
ClientSampleId :
SB-04(13-14)RE

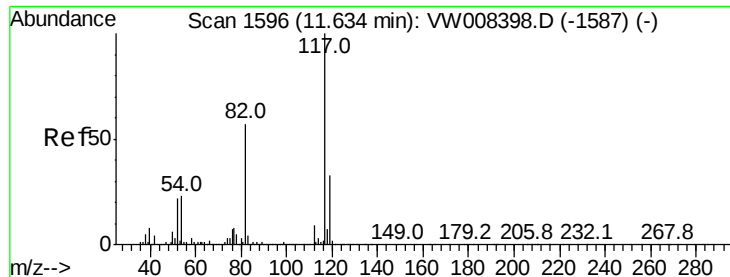
Tot Ion: 43 Resp: 20222
Ion Ratio Lower Upper
43 100
58 5.3 25.9 77.7#



#62
4-Bromofluorobenzene
Concen: 49.363 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008585.D
Acq: 08 Feb 2019 21:00

Tgt Ion: 95 Resp: 140650
Ion Ratio Lower Upper
95 100
174 83.4 0.0 157.6
176 81.1 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: VW008585.D

Acq: 08 Feb 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

SB-04(13-14)RE

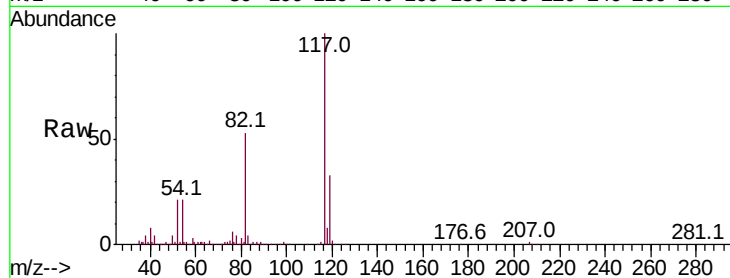
Tot Ion:117 Resp: 285802

Ion Ratio Lower Upper

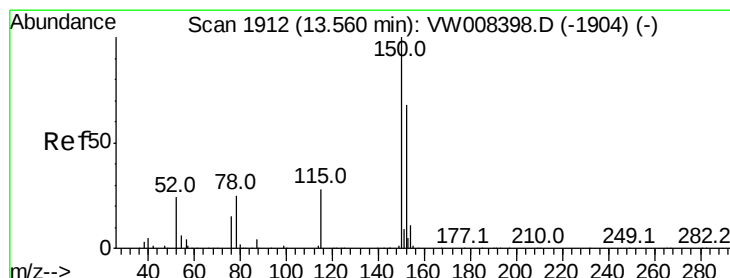
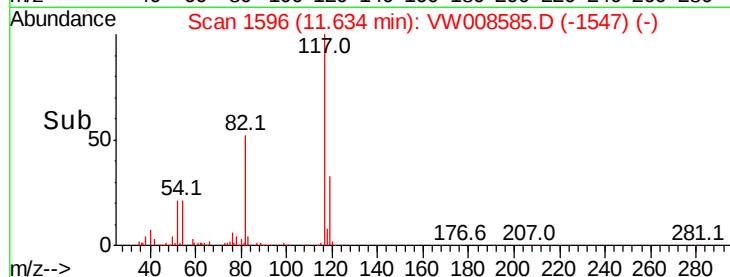
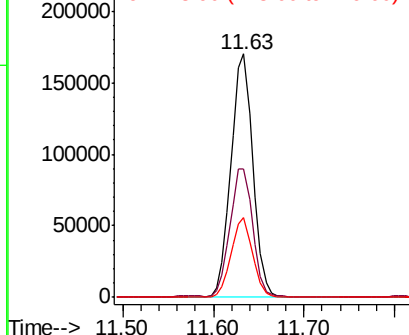
117 100

82 52.5 45.4 68.0

119 32.9 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008585.D

Acq: 08 Feb 2019 21:00

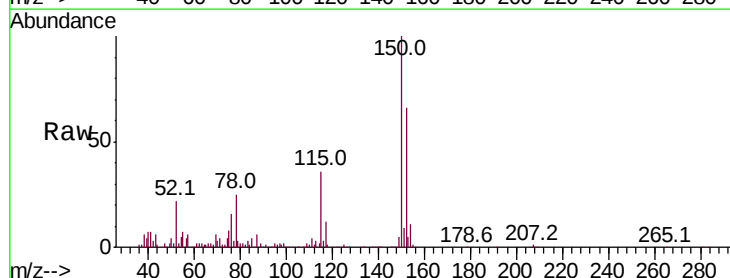
Tgt Ion:152 Resp: 147040

Ion Ratio Lower Upper

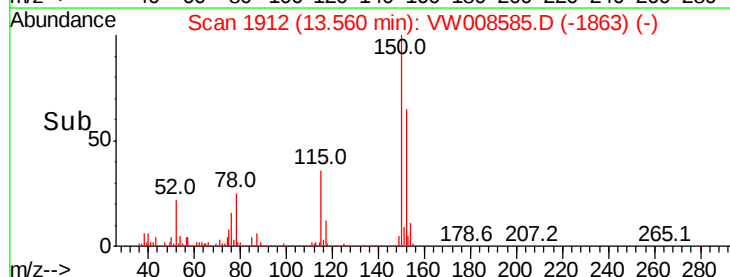
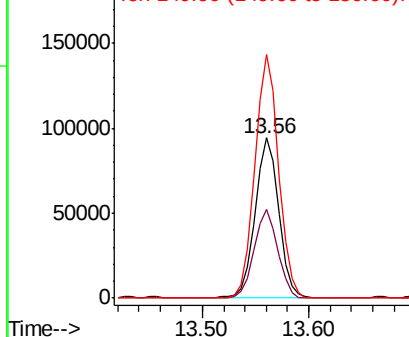
152 100

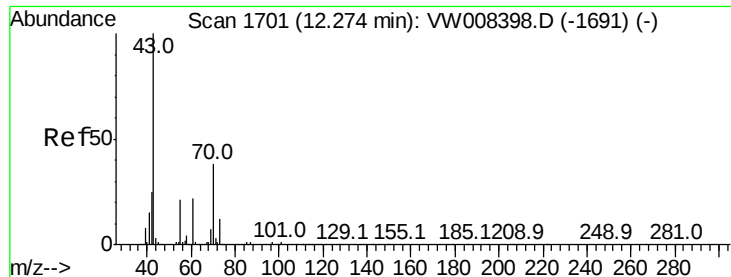
115 55.2 29.9 89.7

150 151.9 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-amvl acetate

Concen: 12.354 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

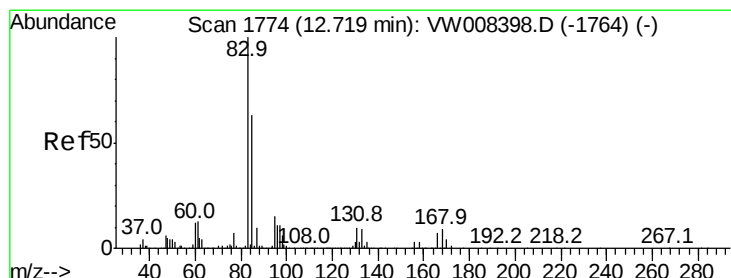
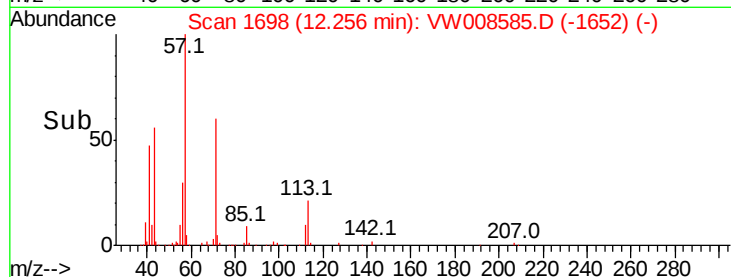
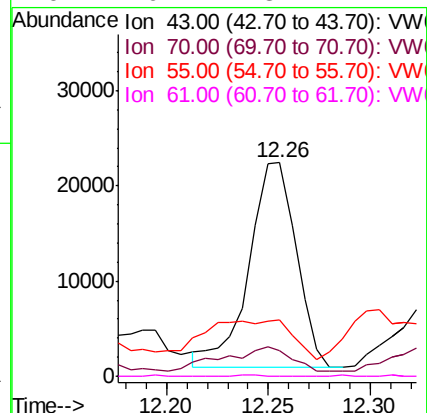
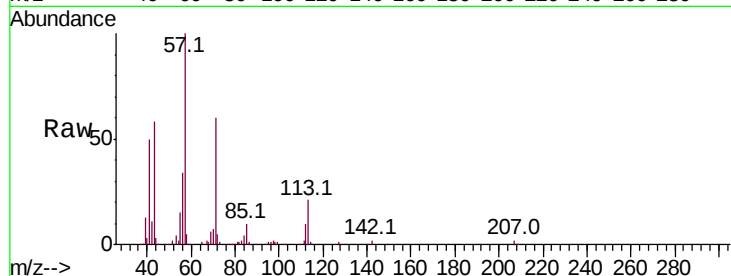
Lab File: VW008585.D

Acq: 08 Feb 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
SB-04(13-14)RE

Tot Ion: 43 Resp: 34889

Ion	Ratio	Lower	Upper
43	100		
70	16.9	31.0	46.6#
55	34.5	17.4	26.2#
61	0.2	18.2	27.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.843 ug/l

RT: 12.69 min Scan# 1769

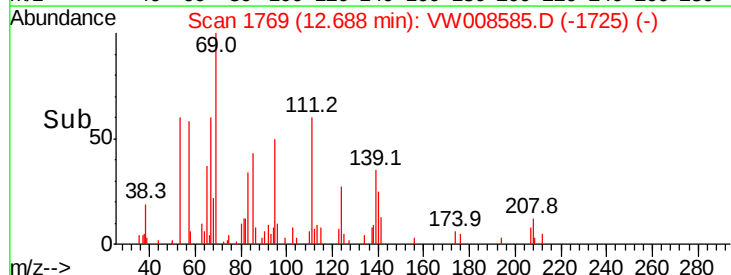
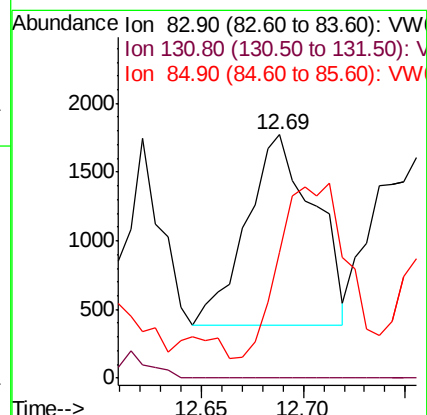
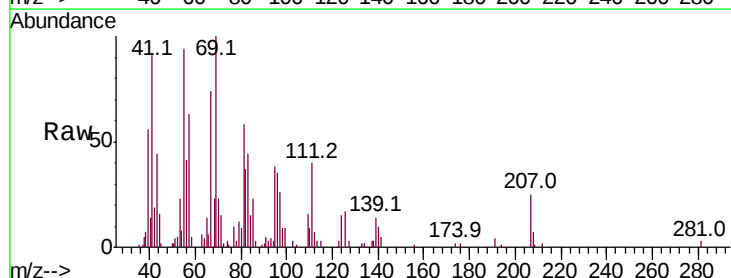
Delta R.T. -0.03 min

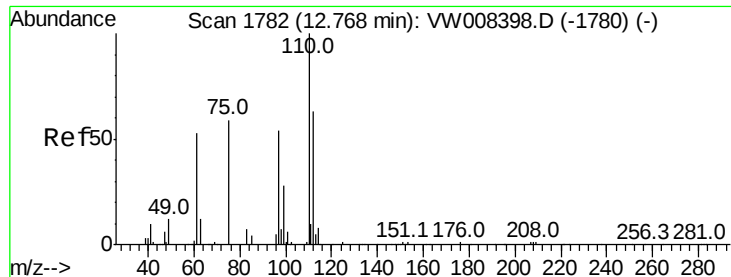
Lab File: VW008585.D

Acq: 08 Feb 2019 21:00

Tgt Ion: 83 Resp: 3198

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.4#
85	0.0	31.9	95.5#

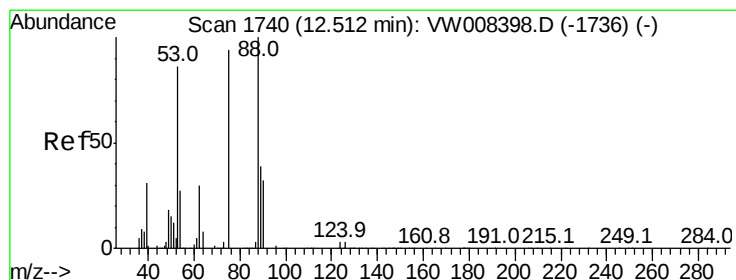
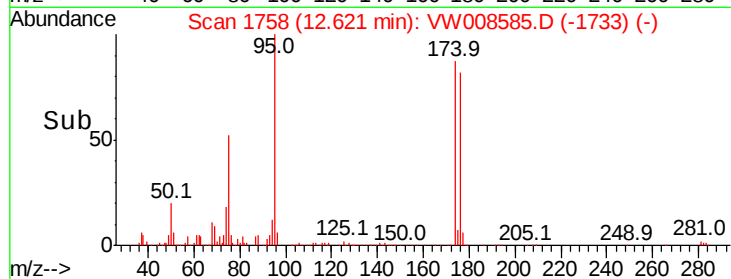
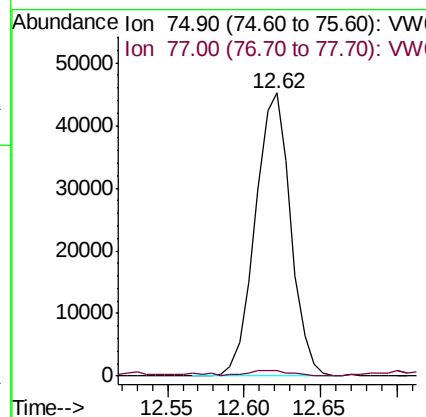
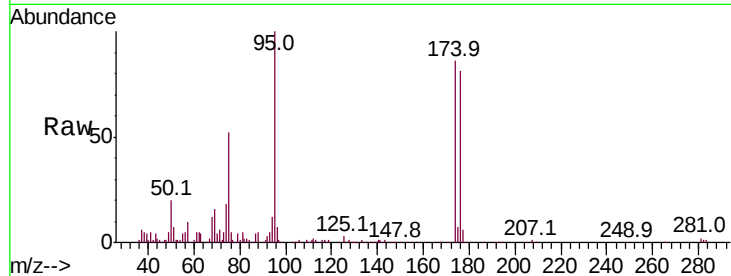




#76
 1,2,3-Trichloropropane
 Concen: 57.116 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008585.D
 Acq: 08 Feb 2019 21:00

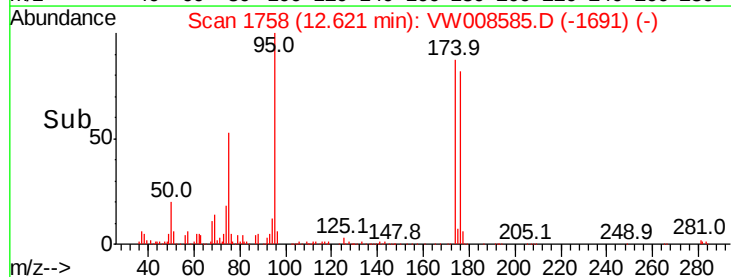
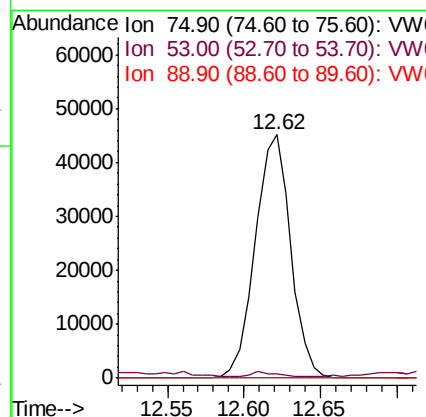
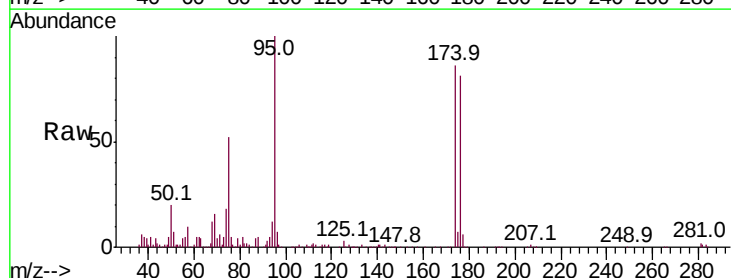
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(13-14)RE

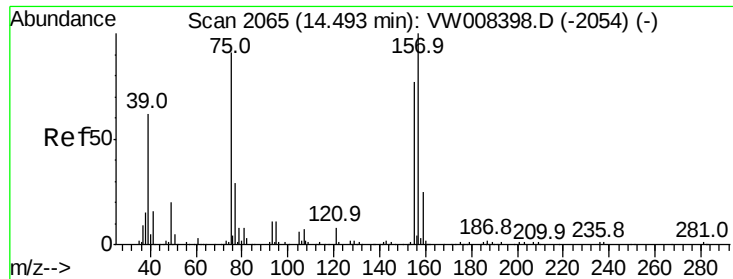
Tot Ion: 75 Resp: 73018
 Ion Ratio Lower Upper
 75 100
 77 2.2 180.7 542.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.809 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008585.D
 Acq: 08 Feb 2019 21:00

Tgt Ion: 75 Resp: 73018
 Ion Ratio Lower Upper
 75 100
 53 1.5 76.0 114.0#
 89 0.1 35.4 53.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.709 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.01 min

Lab File: VW008585.D

Acq: 08 Feb 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

SB-04(13-14)RE

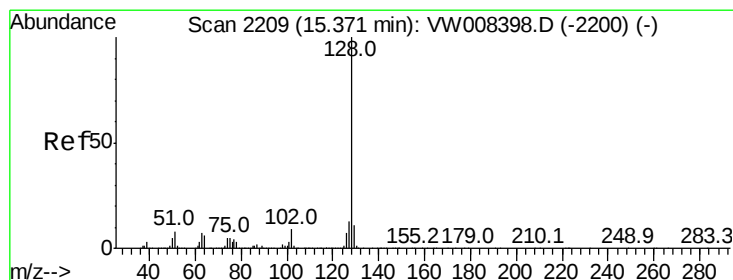
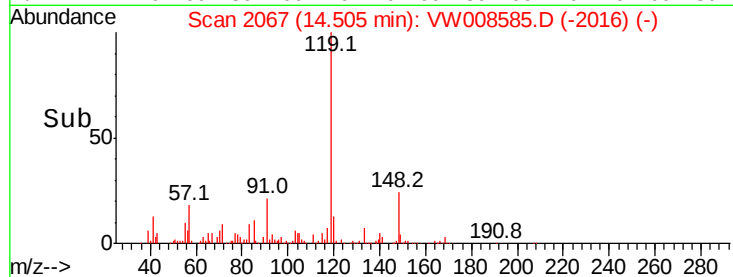
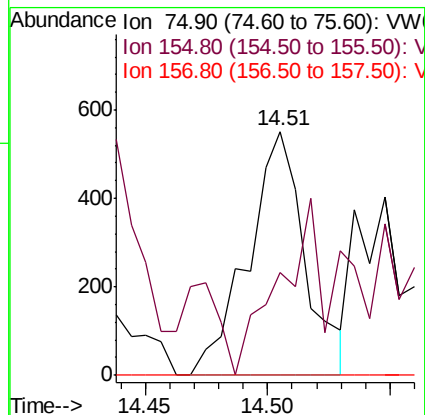
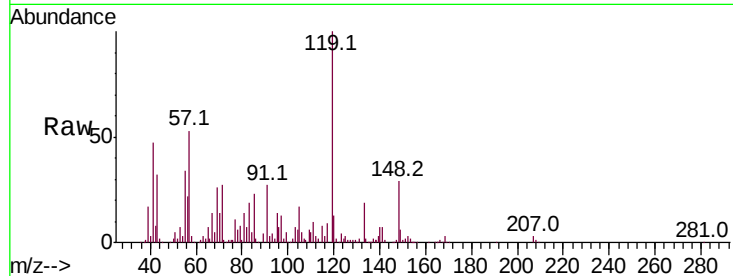
Tot Ion: 75 Resp: 892

Ion Ratio Lower Upper

75 100

155 50.2 42.7 128.1

157 0.0 55.5 166.3#



#95

Naphthalene

Concen: 1.210 ug/l

RT: 15.34 min Scan# 2204

Delta R.T. -0.03 min

Lab File: VW008585.D

Acq: 08 Feb 2019 21:00

Tgt Ion: 128 Resp: 6486

Ion Ratio Lower Upper

128 100

127 121.4 10.6 15.8#

129 82.7 8.7 13.1#

