

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012819\
 Data File : VW008438.D
 Acq On : 28 Jan 2019 14:34
 Operator : SY/VA
 Sample : K1011-09RE
 Misc : 6.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-01-012519-ARE

Quant Time: Jan 29 04:14:38 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	424312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	681063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	563967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	200746	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	220892	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
35) Dibromofluoromethane	7.88	113	214261	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
50) Toluene-d8	10.32	98	789293	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.62	95	244099	39.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.54%	

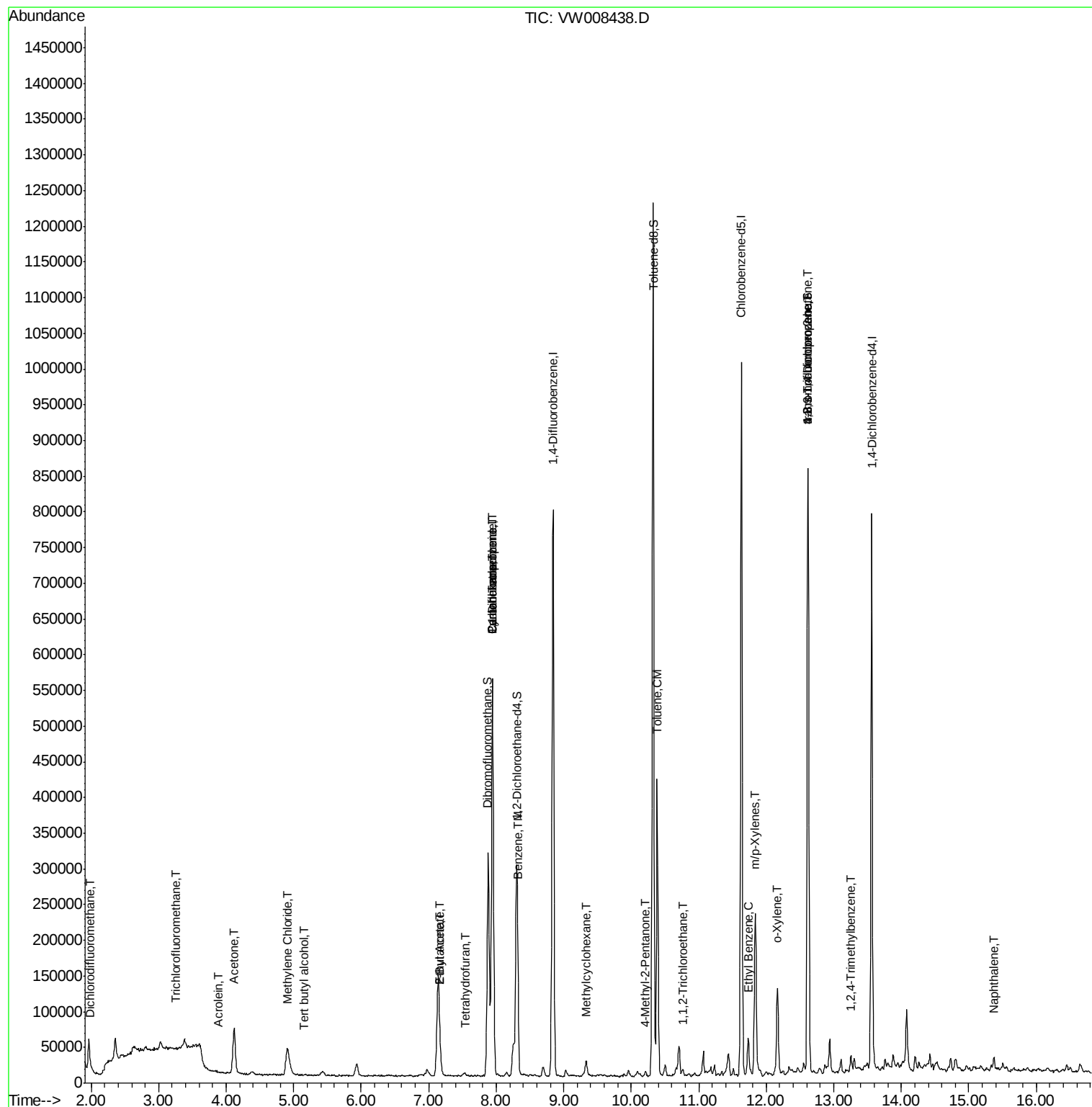
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	225	3.338	ug/l #	41
7) Trichlorofluoromethane	3.26	101	199	4.772	ug/l #	41
11) Tert butyl alcohol	5.17	59	2380	7.092	ug/l #	91
13) Acrolein	3.89	56	174	4.763	ug/l #	14
16) Acetone	4.12	43	108548	115.959	ug/l	99
20) Methylene Chloride	4.90	84	32174	7.457	ug/l	89
25) 2-Butanone	7.17	43	25452	19.575	ug/l	98
29) Tetrahydrofuran	7.53	42	3673	4.458	ug/l #	90
31) Cyclohexane	7.94	56	12045	1.472	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	29897	4.647	ug/l #	51
37) Ethyl Acetate	7.17	43	25452	8.942	ug/l #	71
38) Carbon Tetrachloride	7.94	117	39610	6.118	ug/l #	16
39) Methylcyclohexane	9.33	83	8817	1.043	ug/l	96
40) Benzene	8.32	78	23204	1.300	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	3977	1.361	ug/l #	86
52) Toluene	10.38	92	176700	14.994	ug/l	98
55) 1,1,2-Trichloroethane	10.76	97	3926	1.236	ug/l #	23
67) Ethyl Benzene	11.73	91	32923	1.556	ug/l	90
68) m/p-Xylenes	11.84	106	67157	8.179	ug/l	97
69) o-Xylene	12.17	106	32674	4.188	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	123892	70.984	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	123892	140.199	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	14589	1.147	ug/l	94
95) Naphthalene	15.38	128	16169	2.209	ug/l #	93

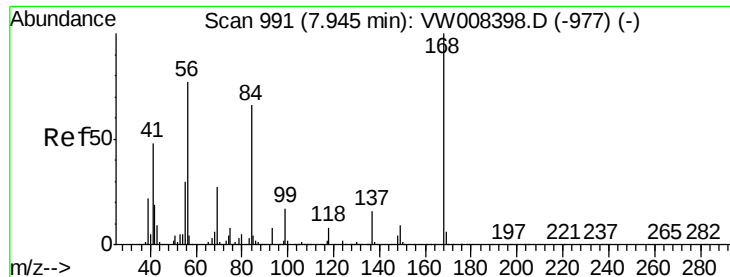
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012819\
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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: VW008438.D

Acq: 28 Jan 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

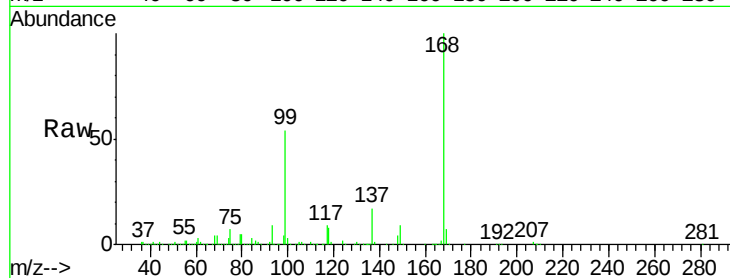
OR-01-012519-ARE

Tgt Ion:168 Resp: 424312

Ion Ratio Lower Upper

168 100

99 54.4 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

200000

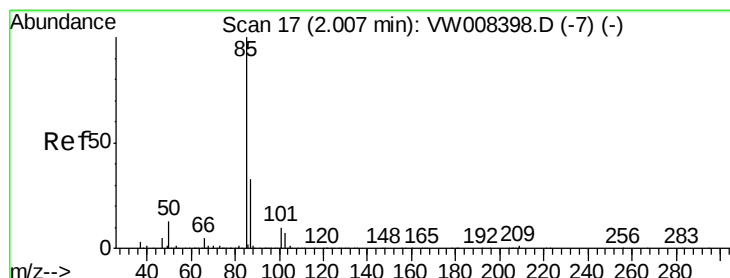
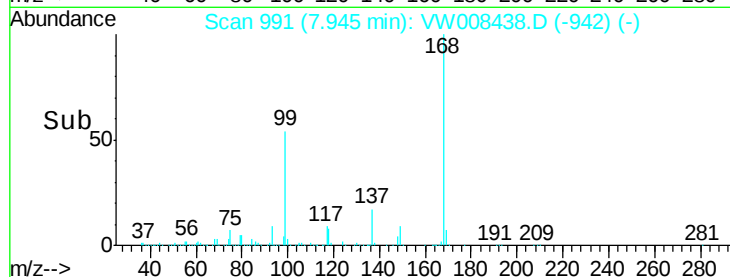
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 3.338 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW008438.D

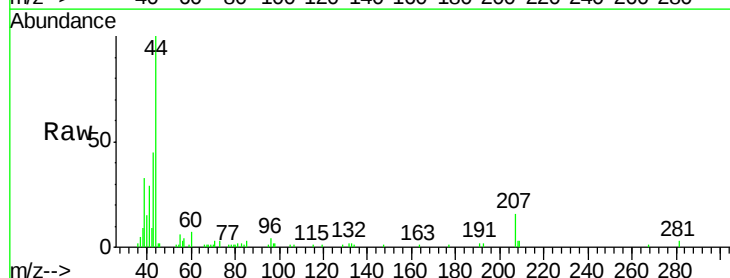
Acq: 28 Jan 2019 14:34

Tgt Ion: 85 Resp: 225

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

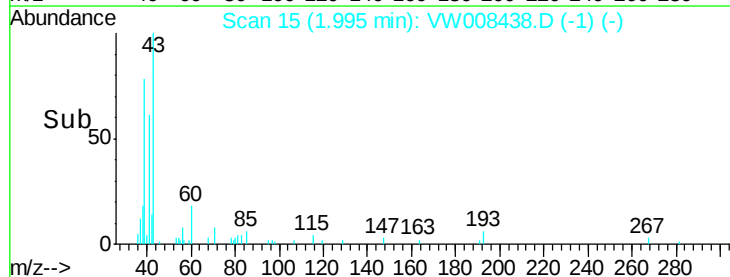
150

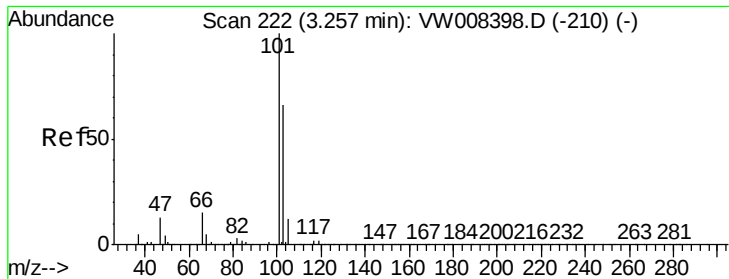
100

50

0

Time--> 1.96 1.98 2.00 2.02



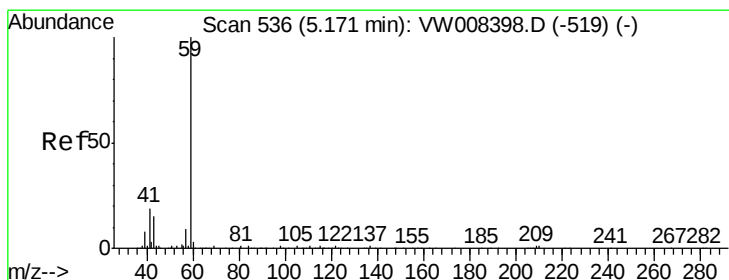
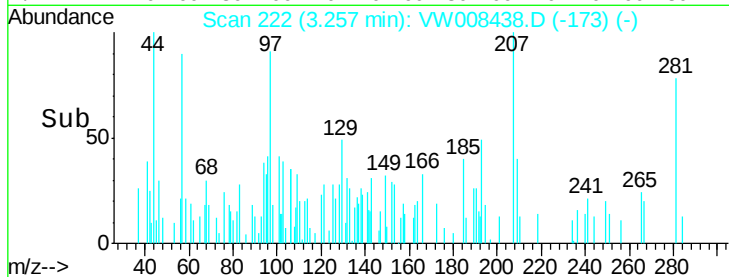
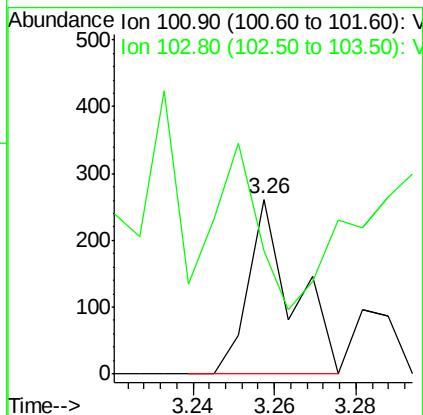
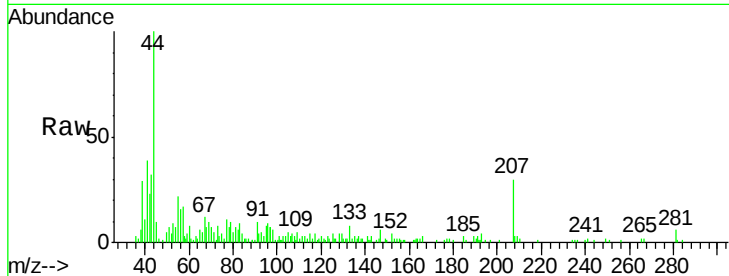


#7

Trichlorofluoromethane
 Concen: 4.772 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008438.D
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 OR-01-012519-ARE

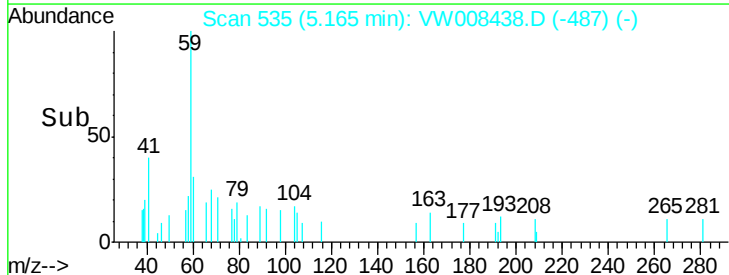
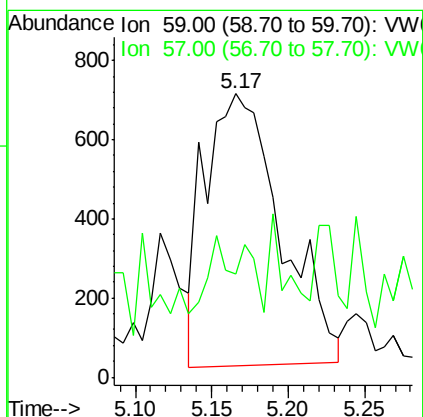
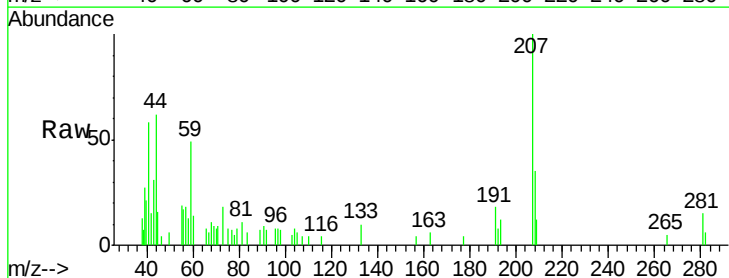
Tgt Ion: 101 Resp: 199
 Ion Ratio Lower Upper
 101 100
 103 19.2 52.5 78.7#

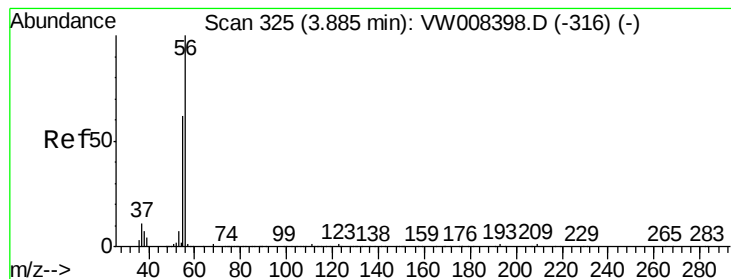


#11

Tert butyl alcohol
 Concen: 7.092 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW008438.D
 Acq: 28 Jan 2019 14:34

Tgt Ion: 59 Resp: 2380
 Ion Ratio Lower Upper
 59 100
 57 8.2 9.3 13.9#





#13

Acrolein

Concen: 4.763 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008438.D

Acq: 28 Jan 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

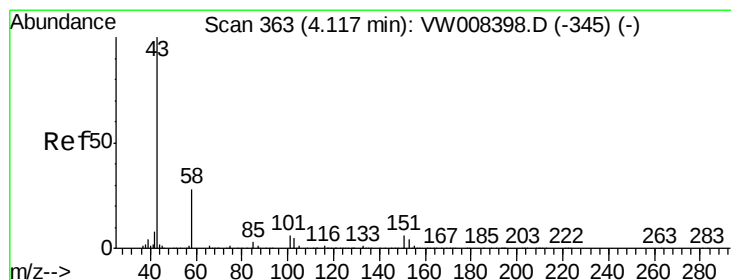
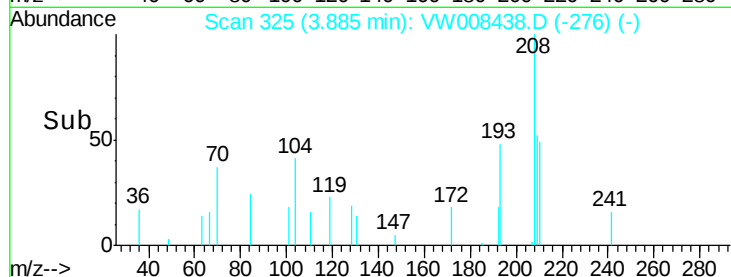
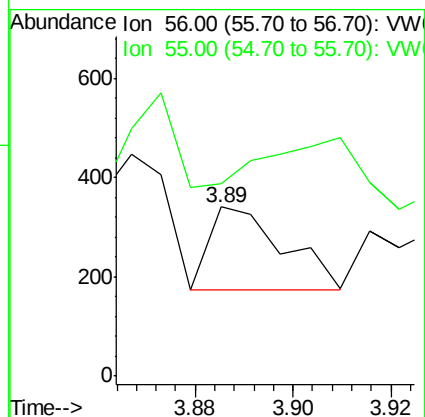
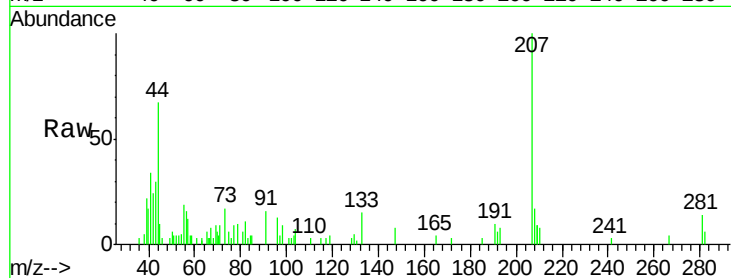
OR-01-012519-ARE

Tgt Ion: 56 Resp: 174

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 115.959 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008438.D

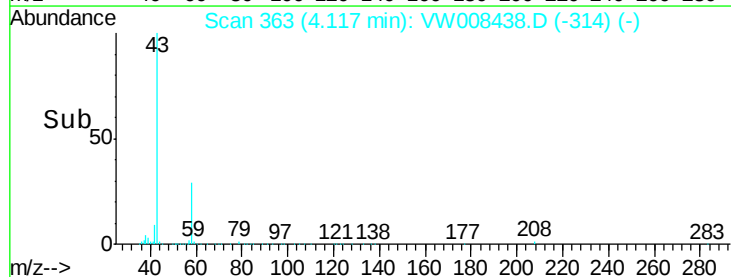
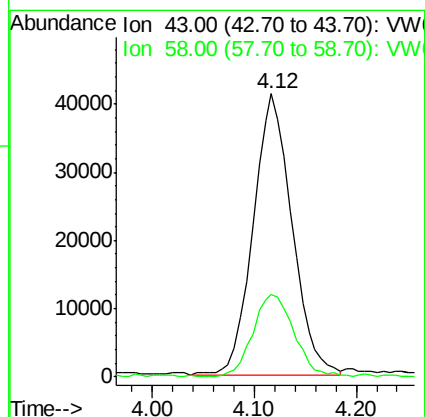
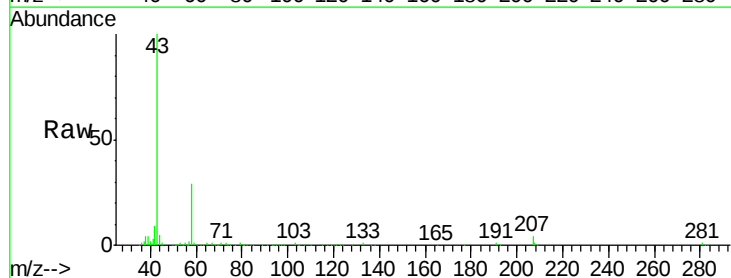
Acq: 28 Jan 2019 14:34

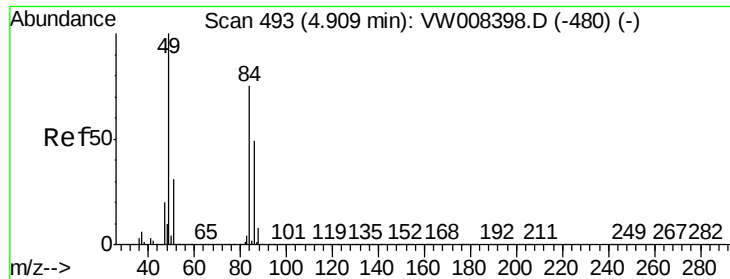
Tgt Ion: 43 Resp: 108548

Ion Ratio Lower Upper

43 100

58 28.9 22.6 34.0

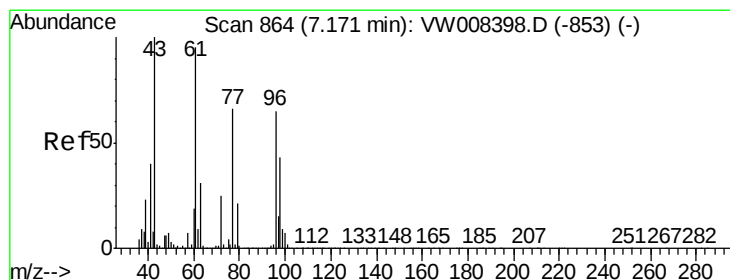
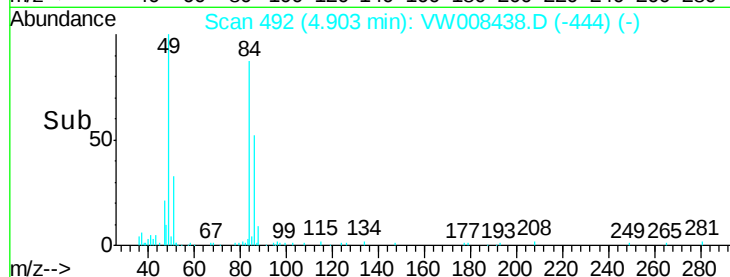
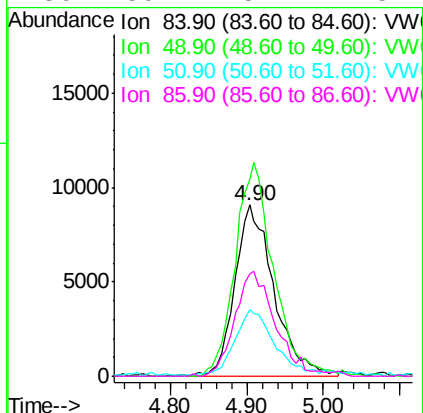
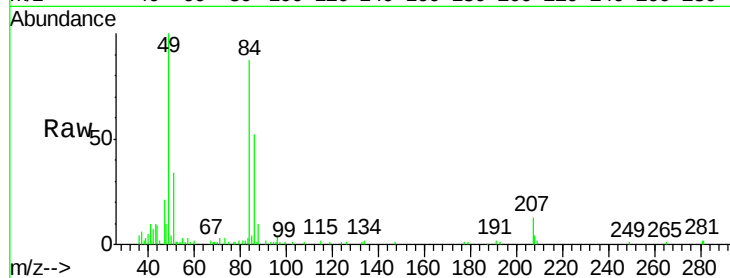




#20
Methylene Chloride
Concen: 7.457 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

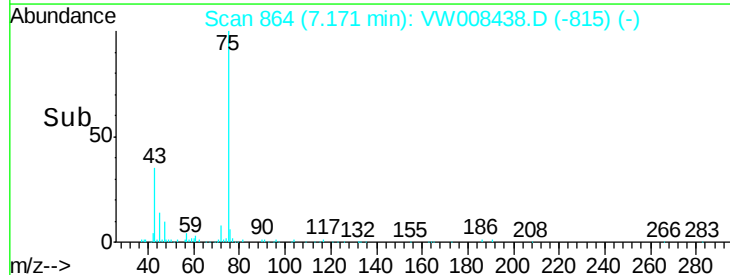
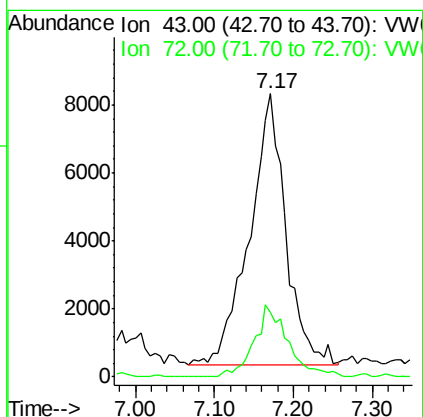
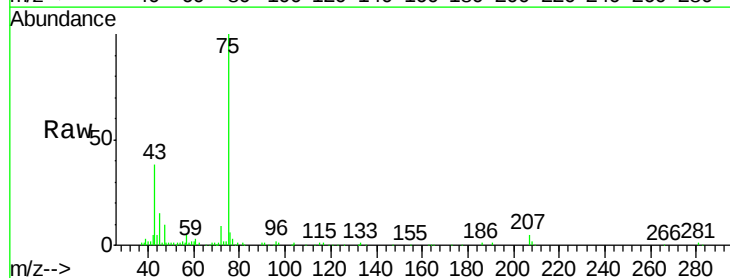
Instrument :
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ClientSampleId :
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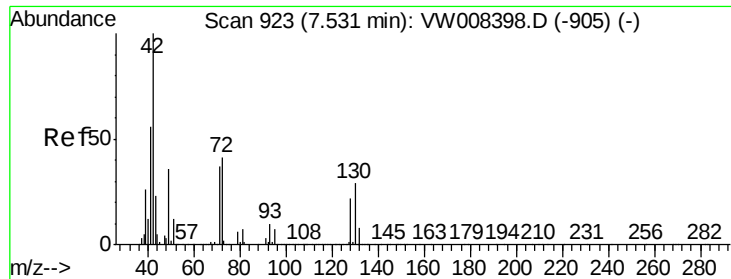
Tgt Ion:	84	Resp:	32174
Ion	Ratio	Lower	Upper
84	100		
49	115.1	106.8	160.2
51	38.0	32.9	49.3
86	59.7	52.2	78.2



#25
2-Butanone
Concen: 19.575 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

Tgt Ion:	43	Resp:	25452
Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.1	30.1

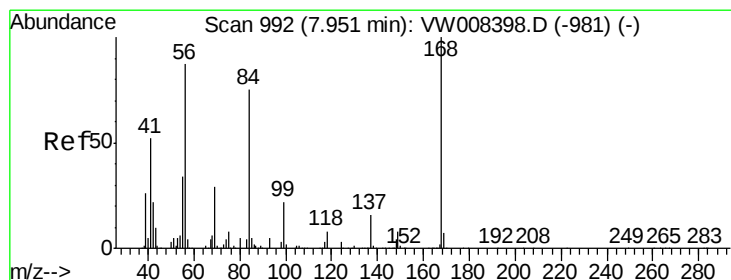
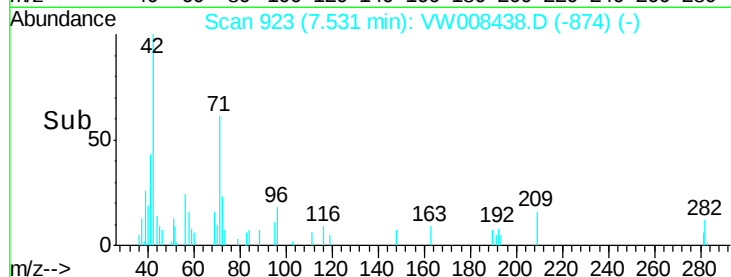
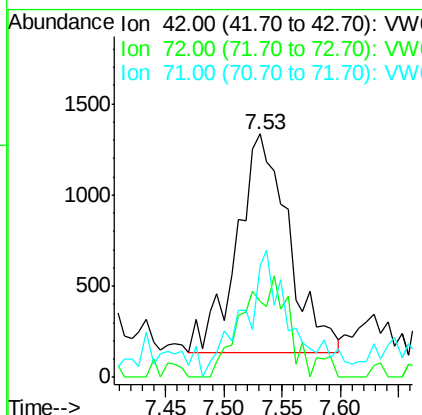
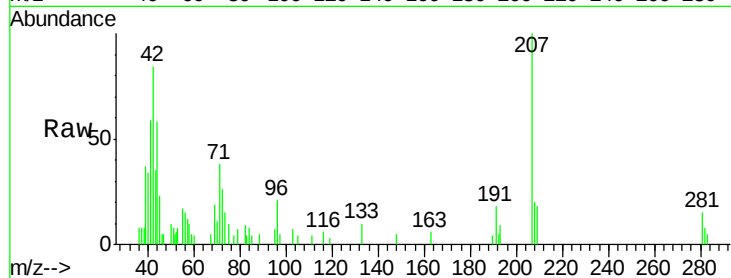




#29
Tetrahydrofuran
Concen: 4.458 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

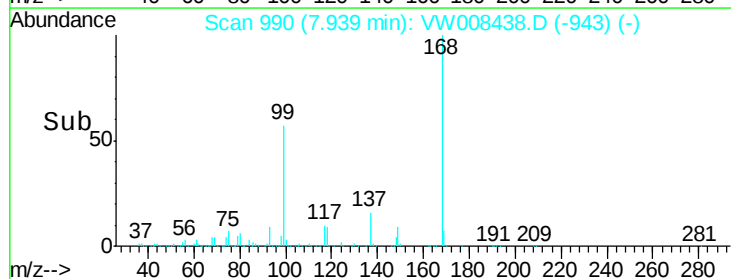
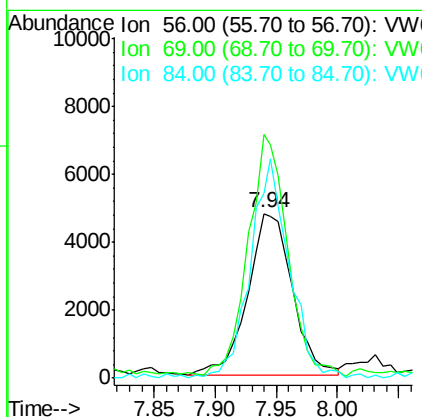
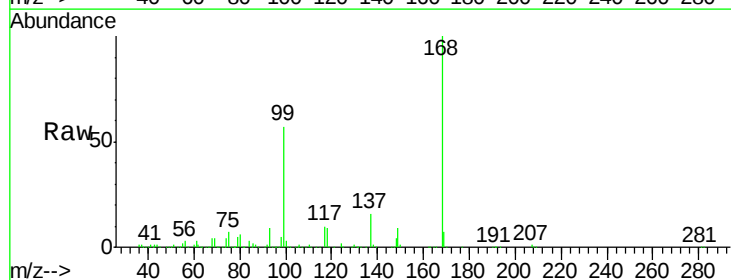
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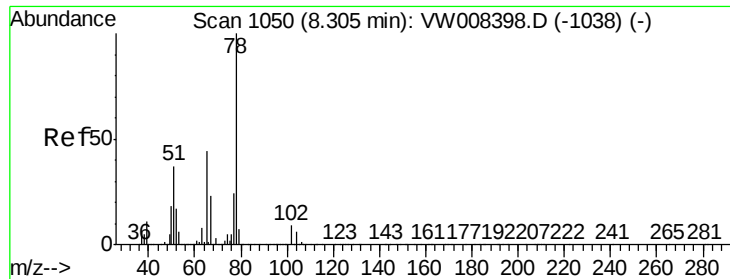
Tgt Ion: 42 Resp: 3673
Ion Ratio Lower Upper
42 100
72 40.3 31.9 47.9
71 49.0 29.9 44.9#



#31
Cyclohexane
Concen: 1.472 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

Tgt Ion: 56 Resp: 12045
Ion Ratio Lower Upper
56 100
69 147.9 26.4 39.6#
84 112.6 69.1 103.7#

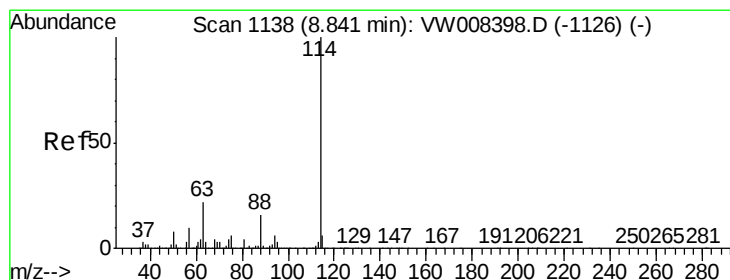
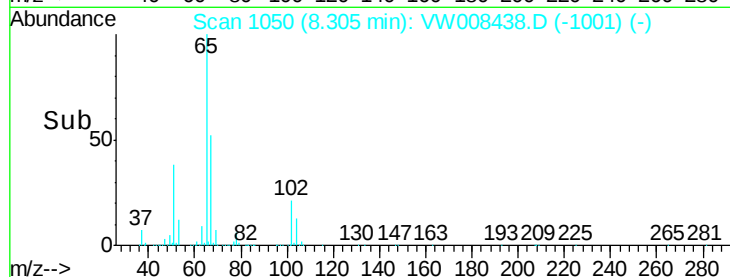
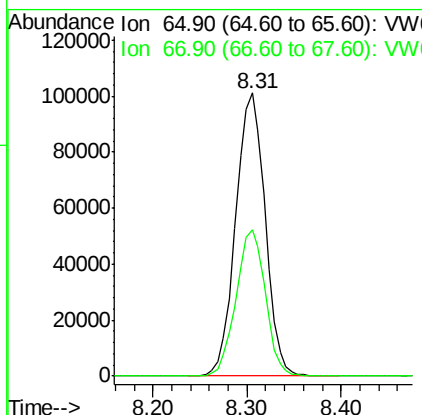
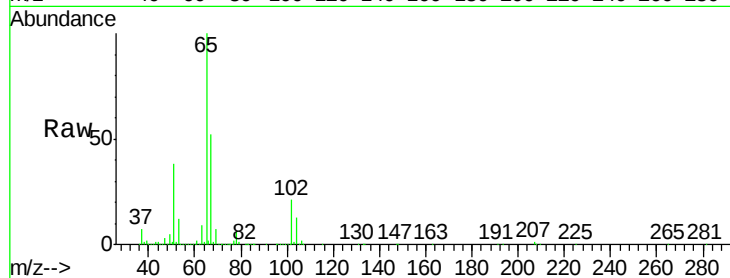




#33
 1,2-Dichloroethane-d4
 Concen: 52.991 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008438.D
 Acq: 28 Jan 2019 14:34

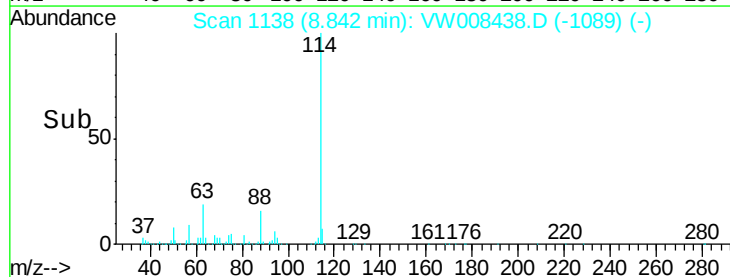
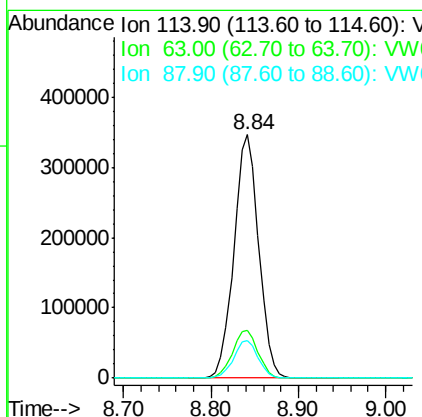
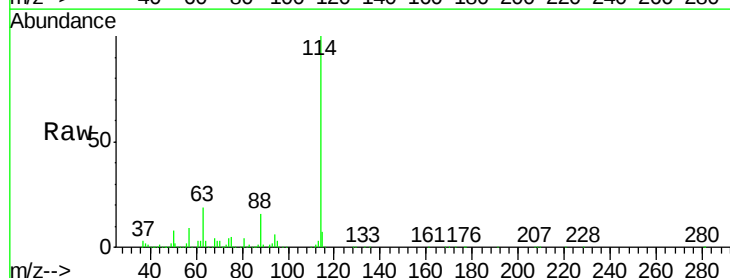
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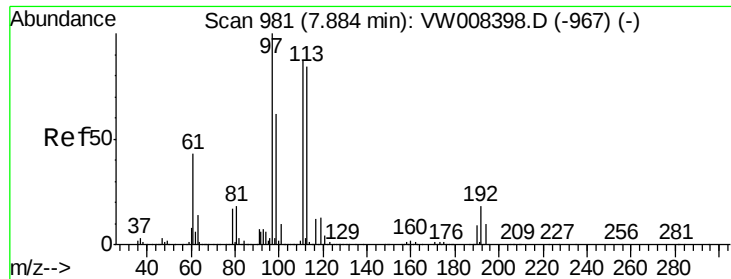
Tgt Ion: 65 Resp: 220892
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008438.D
 Acq: 28 Jan 2019 14:34

Tgt Ion: 114 Resp: 681063
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.6
 88 15.6 0.0 31.8

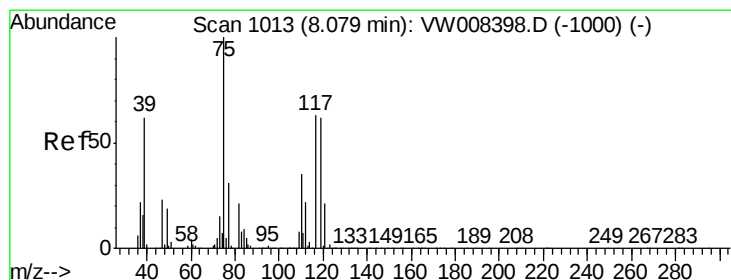
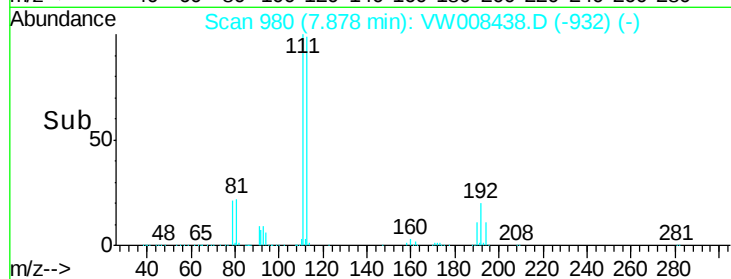
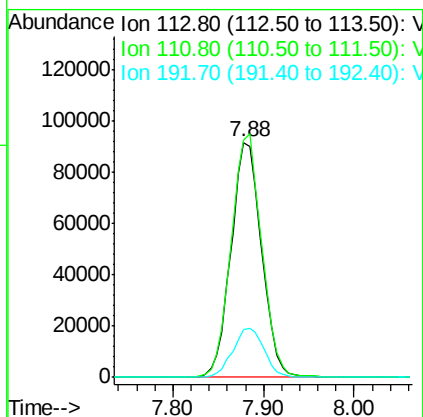
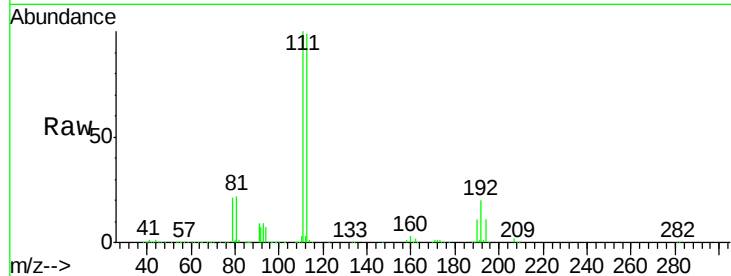




#35
 Dibromofluoromethane
 Concen: 53.802 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008438.D
 Acq: 28 Jan 2019 14:34

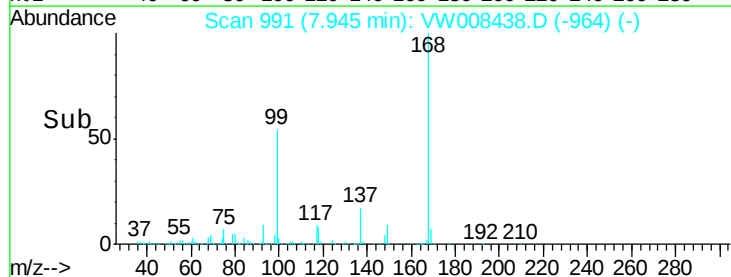
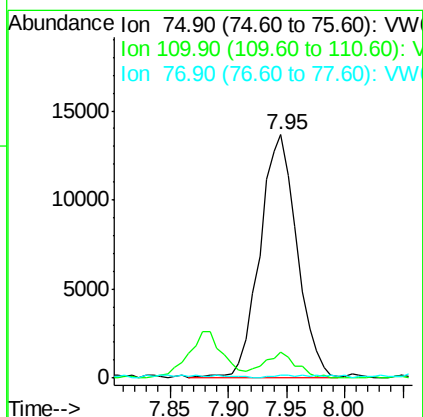
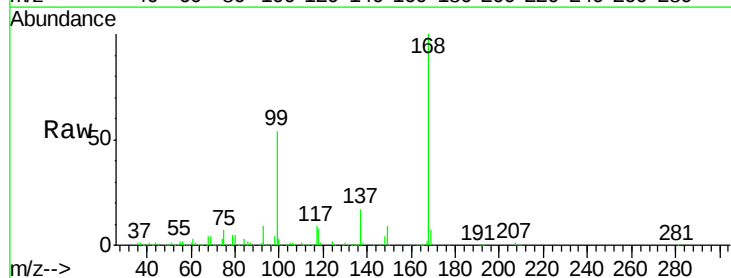
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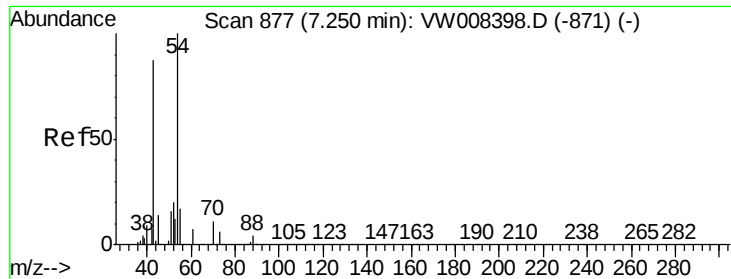
Tgt Ion: 113 Resp: 214261
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.0 121.4
 192 21.3 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.647 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008438.D
 Acq: 28 Jan 2019 14:34

Tgt Ion: 75 Resp: 29897
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.3 52.0#
 77 1.1 24.7 37.1#





#37

Ethyl Acetate

Concen: 8.942 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW008438.D

Acq: 28 Jan 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

OR-01-012519-ARE

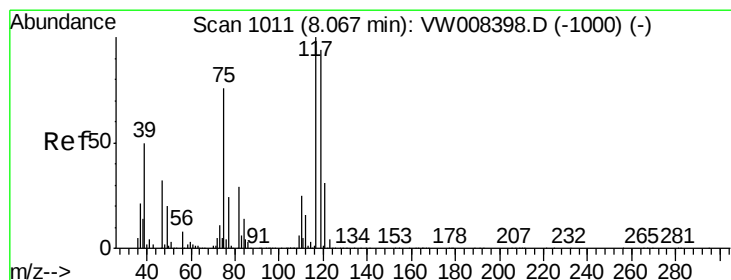
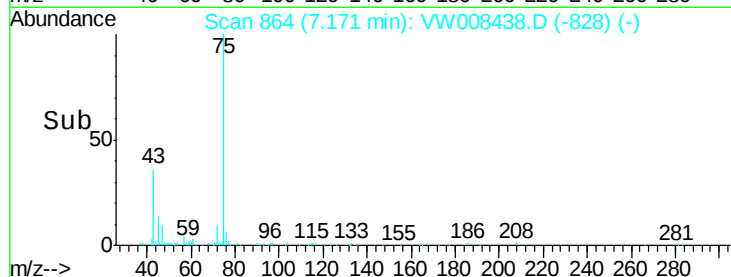
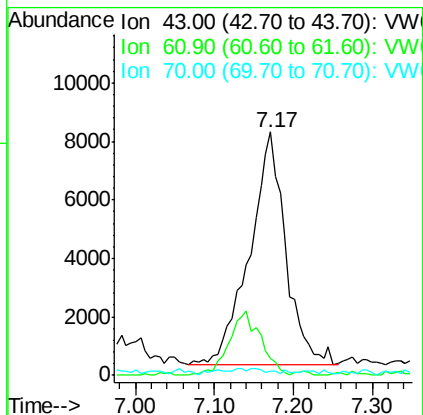
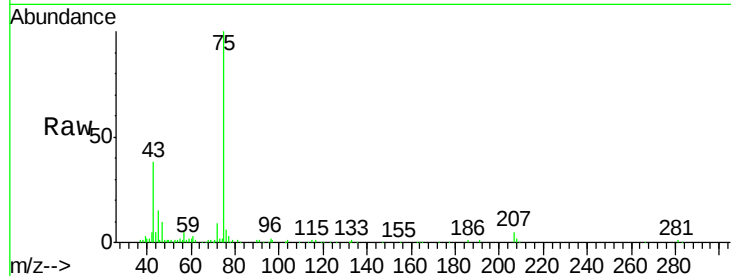
Tgt Ion: 43 Resp: 25452

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.3 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 6.118 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW008438.D

Acq: 28 Jan 2019 14:34

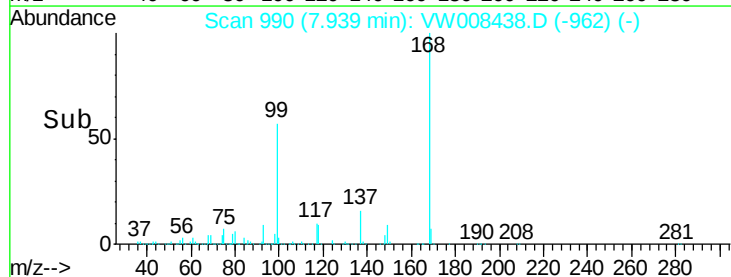
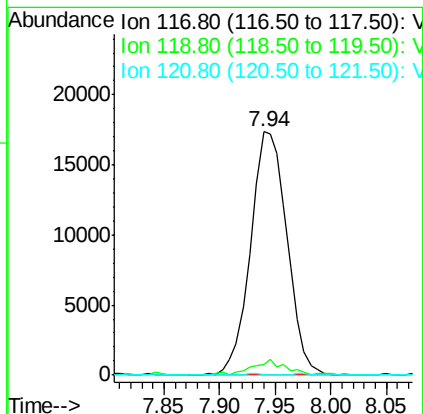
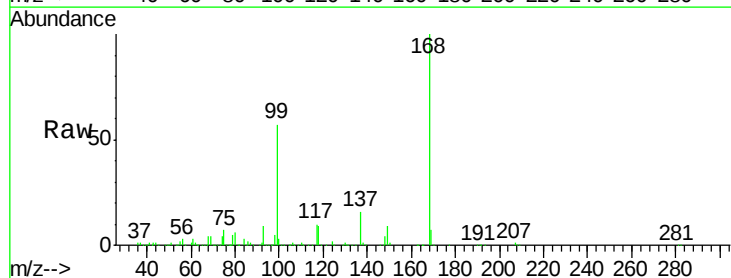
Tgt Ion: 117 Resp: 39610

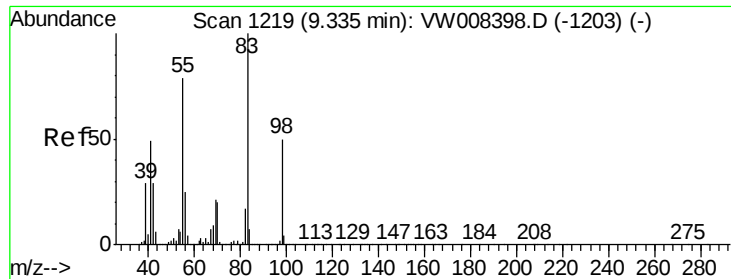
Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.4#

121 0.3 24.9 37.3#

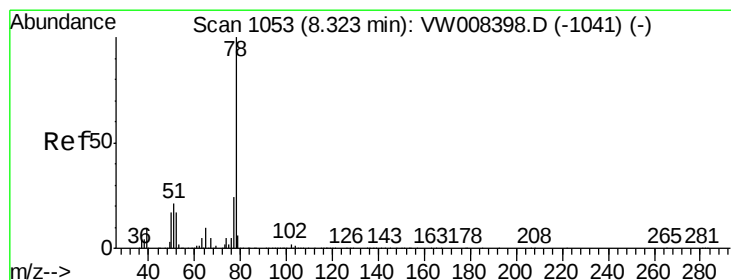
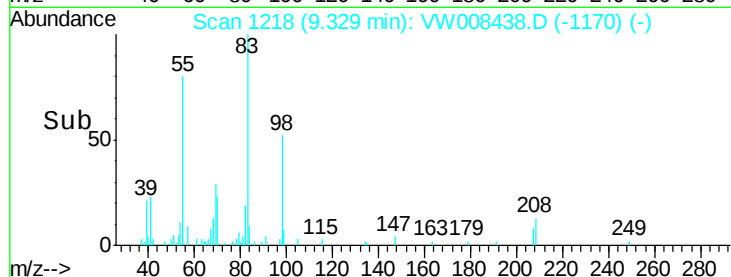
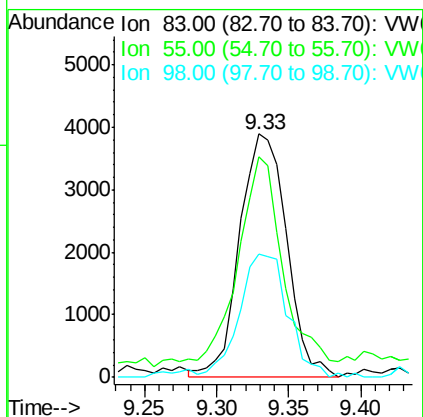
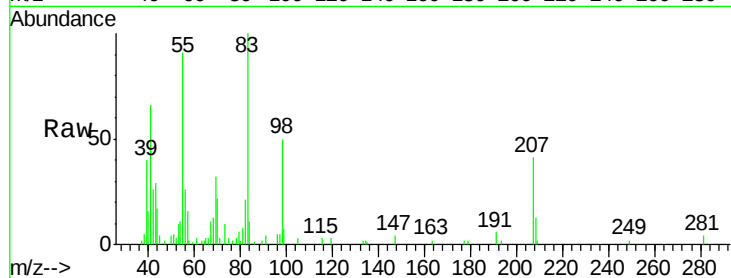




#39
Methylcyclohexane
Concen: 1.043 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

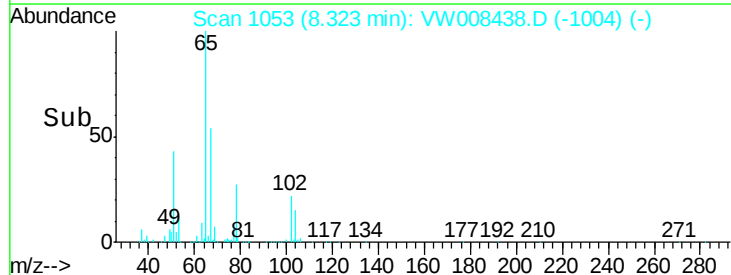
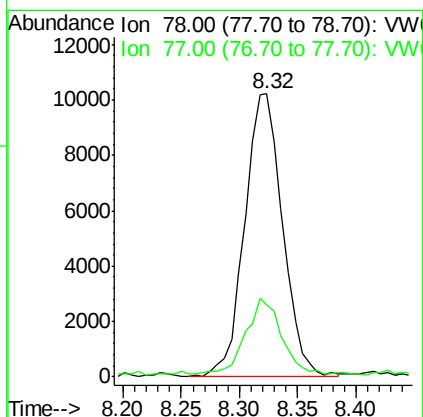
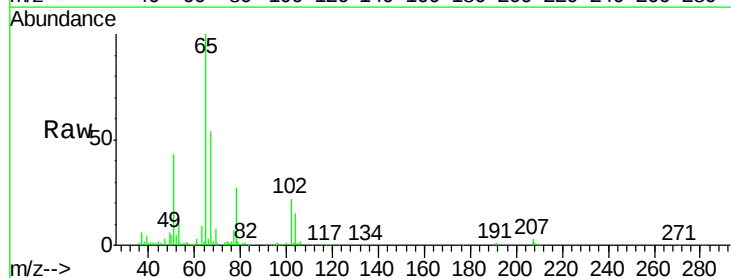
Instrument :
MSVOA_W
ClientSampleId :
OR-01-012519-ARE

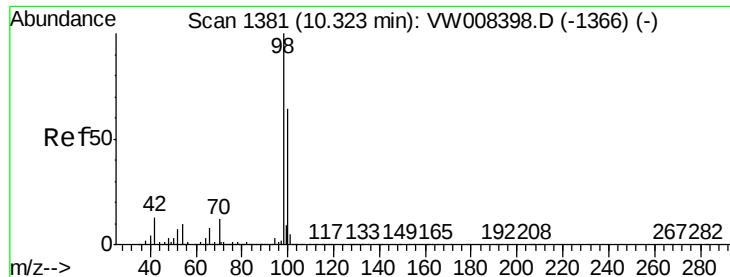
Tgt Ion: 83 Resp: 8817
Ion Ratio Lower Upper
83 100
55 84.4 63.3 94.9
98 48.5 39.7 59.5



#40
Benzene
Concen: 1.300 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

Tgt Ion: 78 Resp: 23204
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6





#50

Toluene-d8

Concen: 49.425 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008438.D

Acq: 28 Jan 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

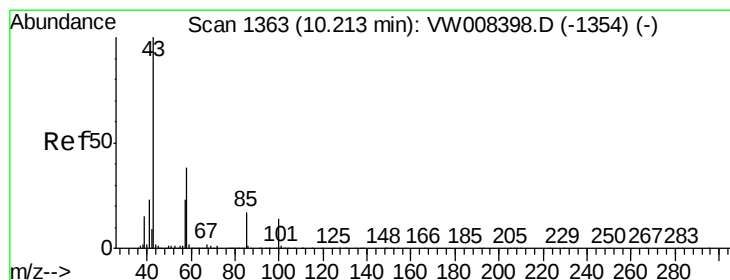
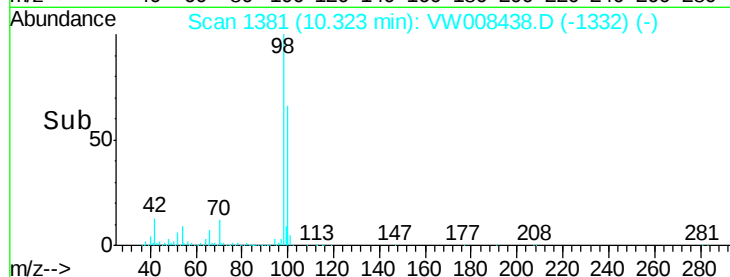
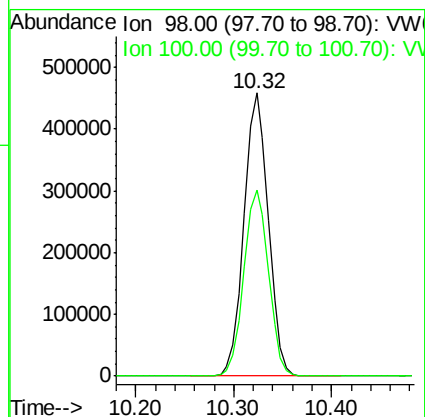
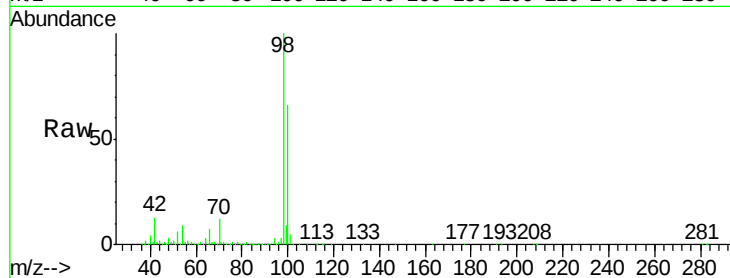
OR-01-012519-ARE

Tgt Ion: 98 Resp: 789293

Ion Ratio Lower Upper

98 100

100 66.8 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 1.361 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008438.D

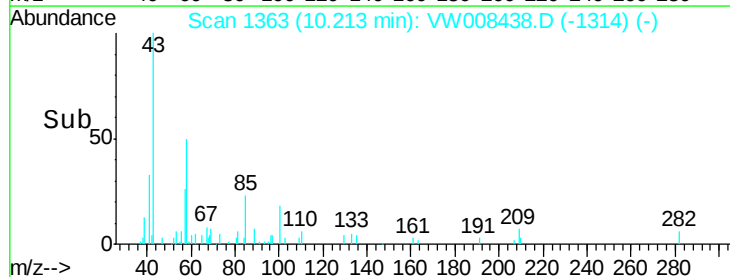
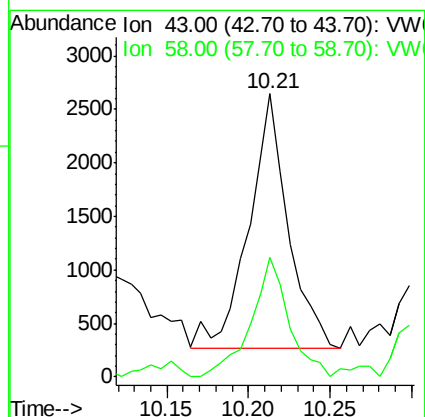
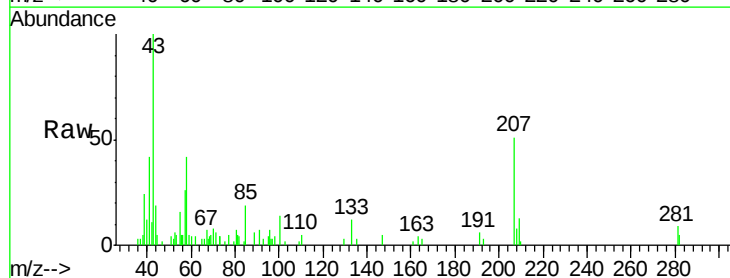
Acq: 28 Jan 2019 14:34

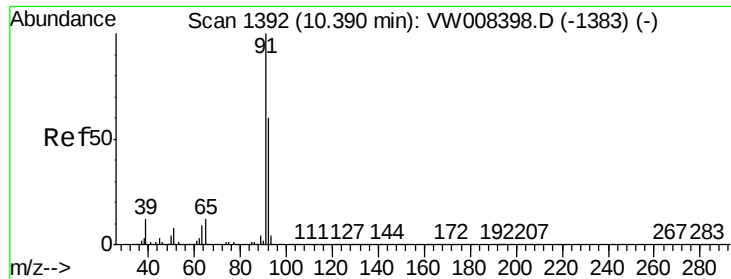
Tgt Ion: 43 Resp: 3977

Ion Ratio Lower Upper

43 100

58 45.2 29.7 44.5#





#52

Toluene

Concen: 14.994 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008438.D

Acq: 28 Jan 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

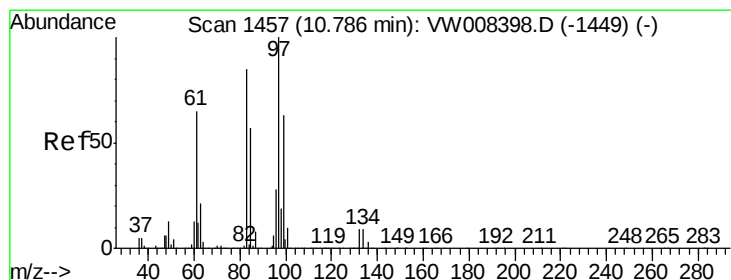
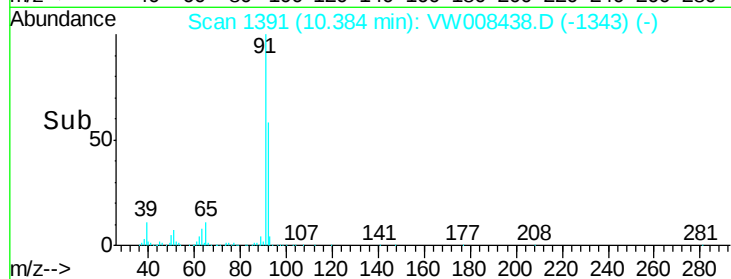
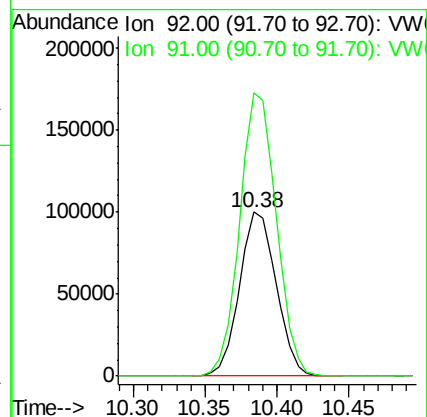
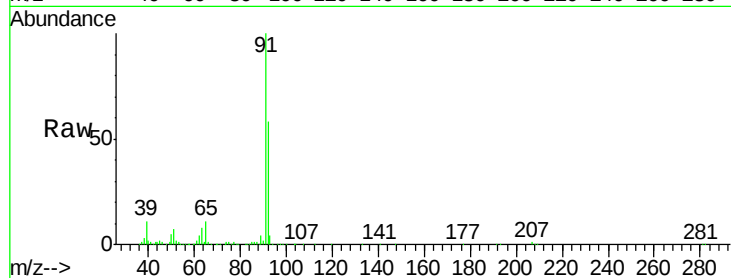
OR-01-012519-ARE

Tgt Ion: 92 Resp: 176700

Ion Ratio Lower Upper

92 100

91 172.5 135.5 203.3



#55

1,1,2-Trichloroethane

Concen: 1.236 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW008438.D

Acq: 28 Jan 2019 14:34

Tgt Ion: 97 Resp: 3926

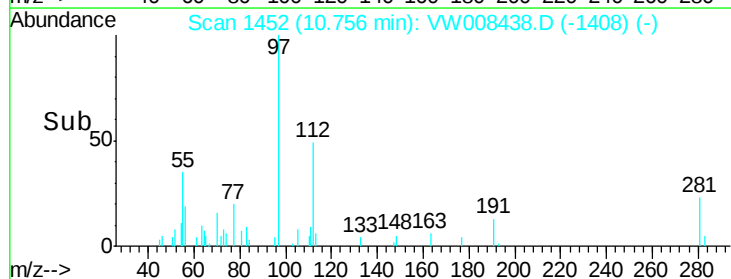
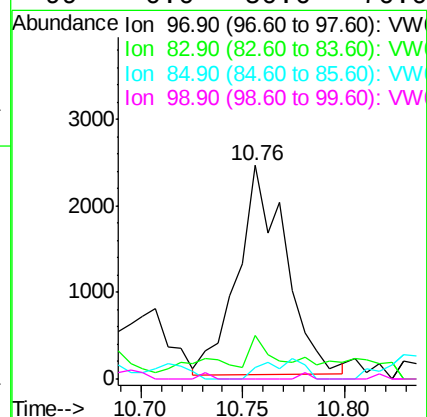
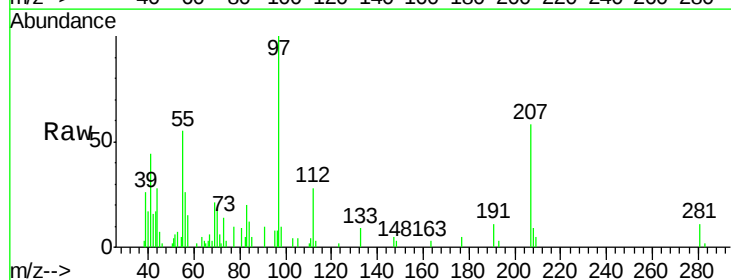
Ion Ratio Lower Upper

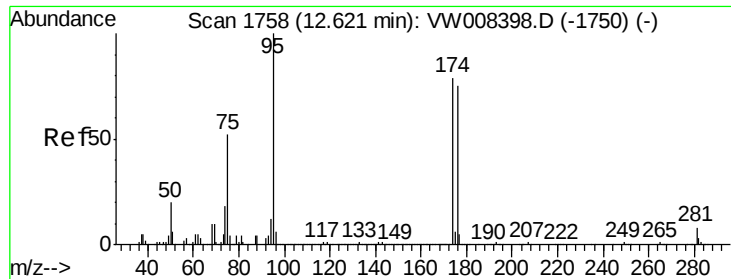
97 100

83 14.0 68.4 102.6#

85 5.6 45.3 67.9#

99 0.0 50.6 76.0#

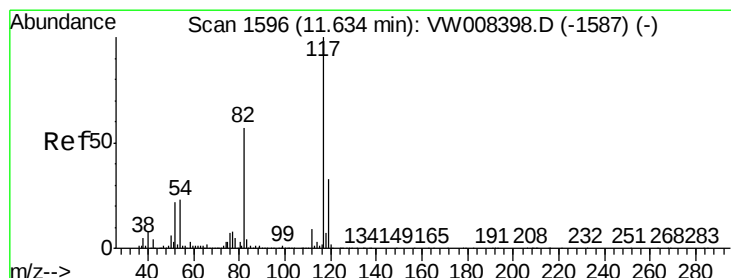
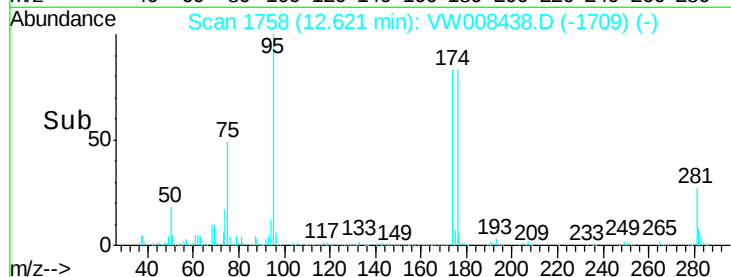
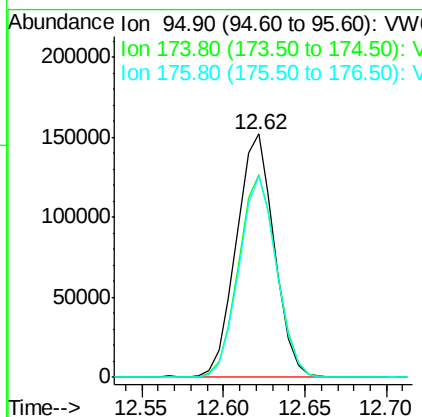
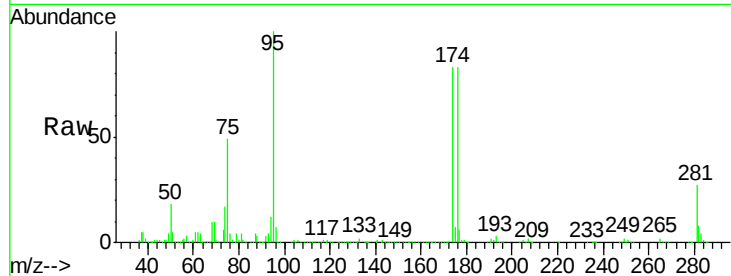




#62
4-Bromofluorobenzene
Concen: 39.766 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

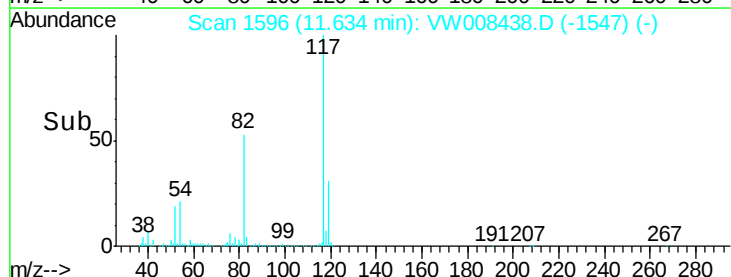
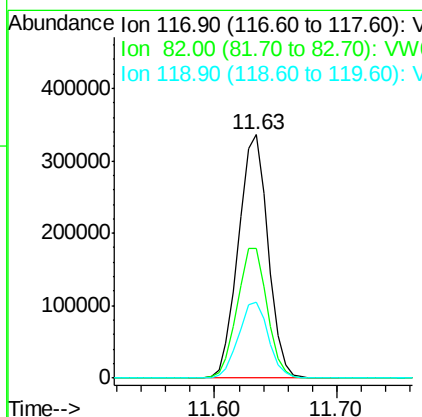
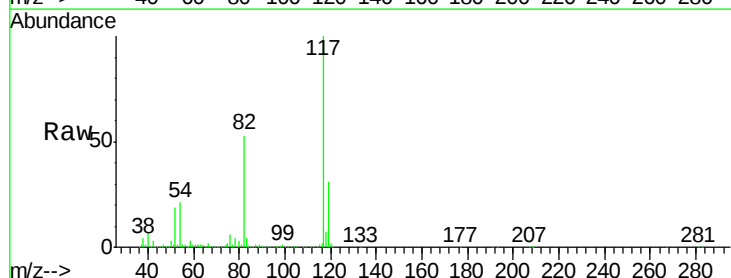
Instrument :
MSVOA_W
ClientSampleId :
OR-01-012519-ARE

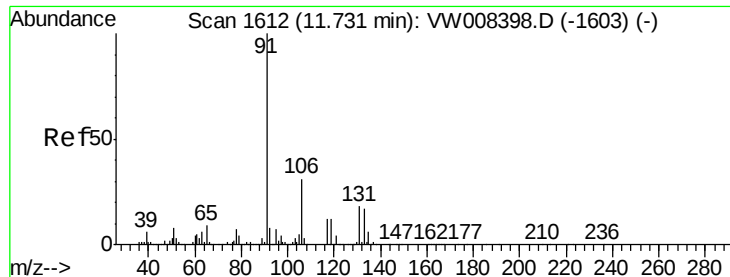
Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	157.6
176	82.0	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.4	68.0
119	31.3	26.2	39.4

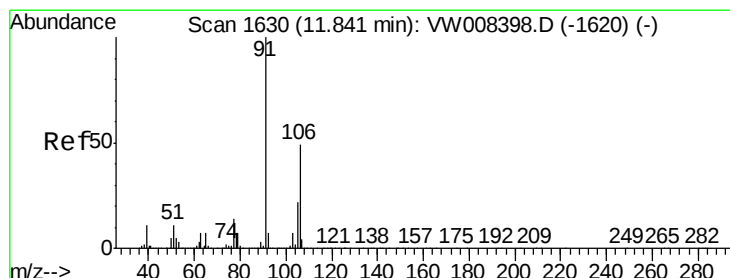
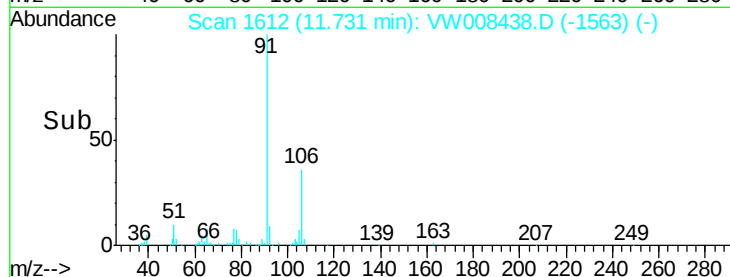
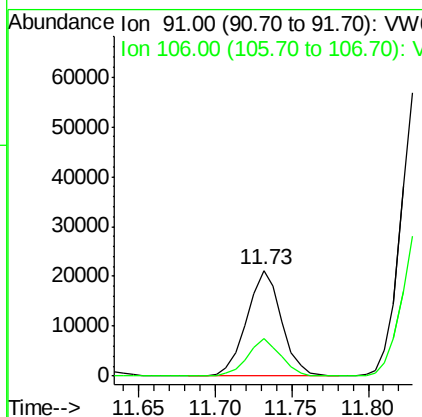
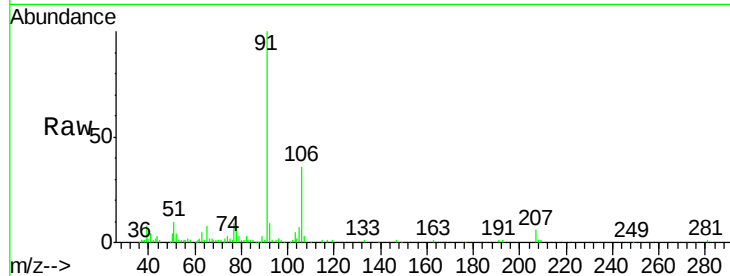




#67
Ethyl Benzene
Concen: 1.556 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

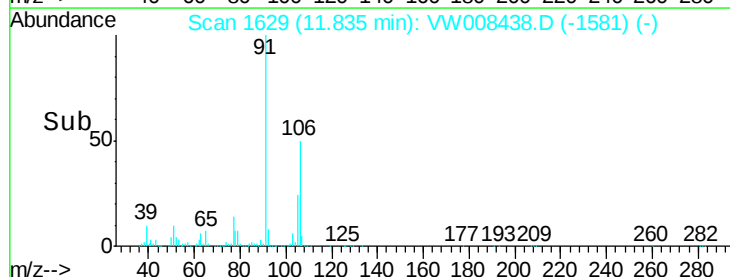
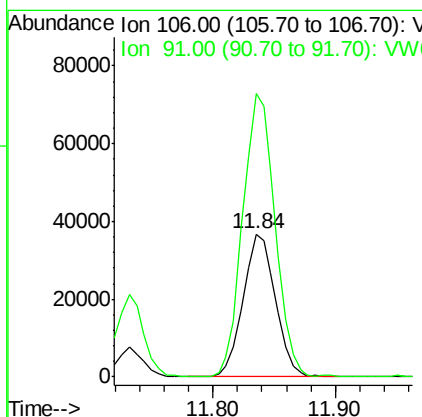
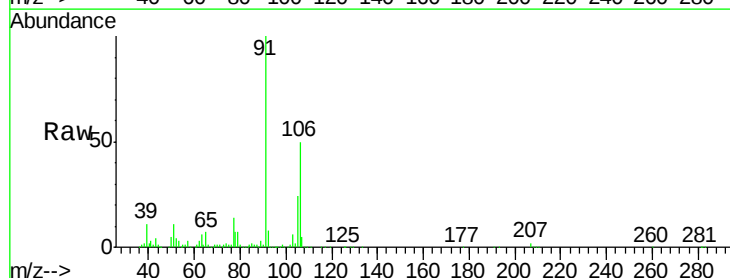
Instrument :
MSVOA_W
ClientSampleId :
OR-01-012519-ARE

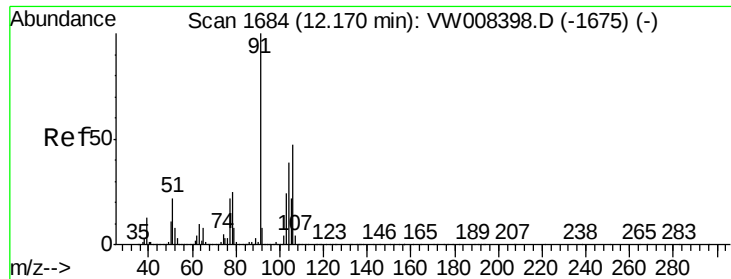
Tgt Ion: 91 Resp: 32923
Ion Ratio Lower Upper
91 100
106 36.3 24.7 37.1



#68
m/p-Xylenes
Concen: 8.179 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

Tgt Ion: 106 Resp: 67157
Ion Ratio Lower Upper
106 100
91 198.8 162.9 244.3

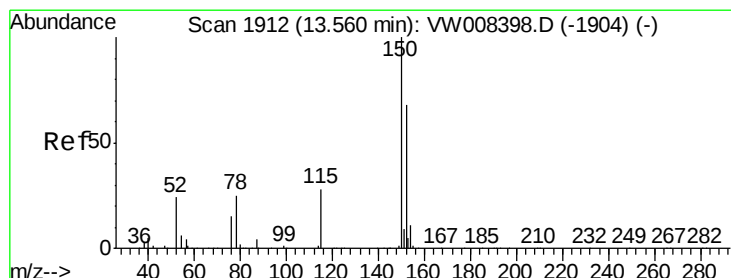
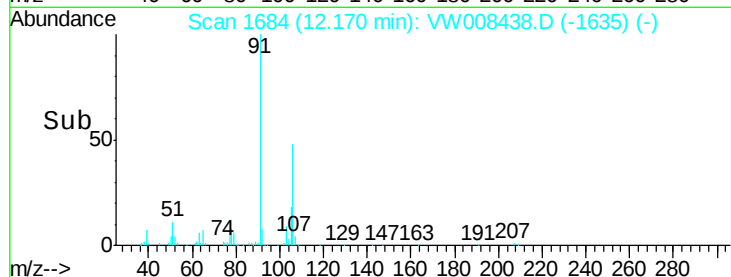
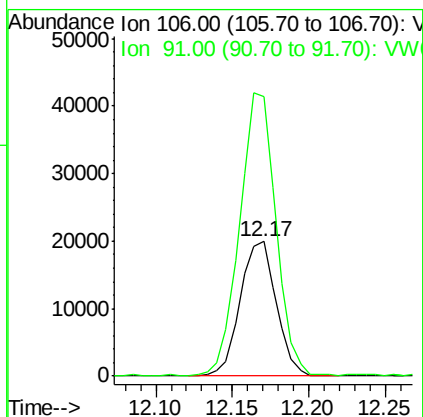
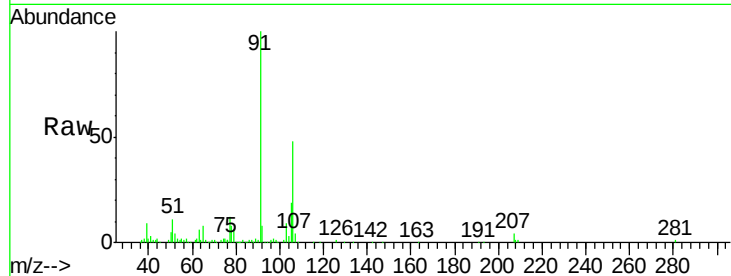




#69
o-Xylene
Concen: 4.188 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

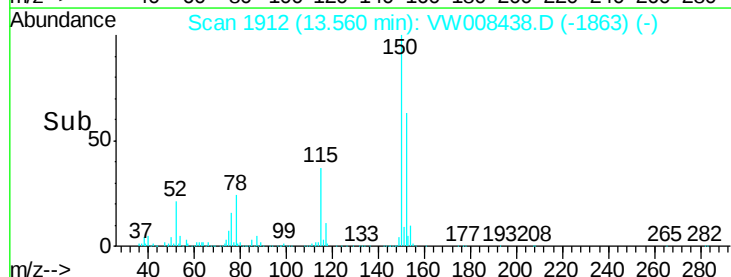
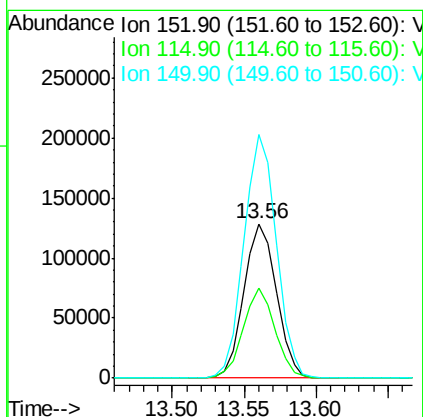
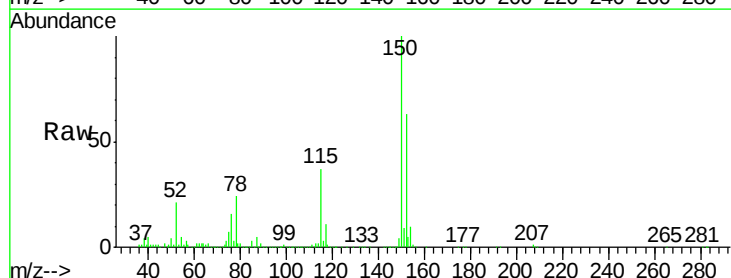
Instrument :
MSVOA_W
ClientSampleId :
OR-01-012519-ARE

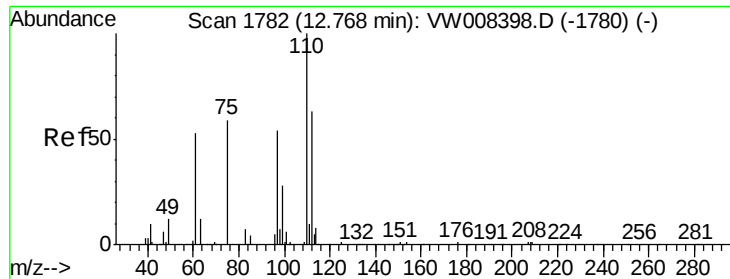
Tgt Ion:106 Resp: 32674
Ion Ratio Lower Upper
106 100
91 211.2 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008438.D
Acq: 28 Jan 2019 14:34

Tgt Ion:152 Resp: 200746
Ion Ratio Lower Upper
152 100
115 56.8 29.9 89.7
150 157.3 0.0 351.4

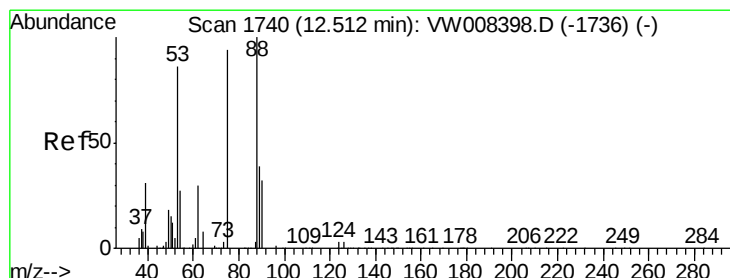
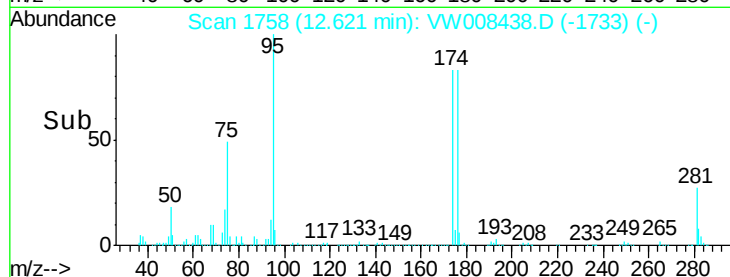
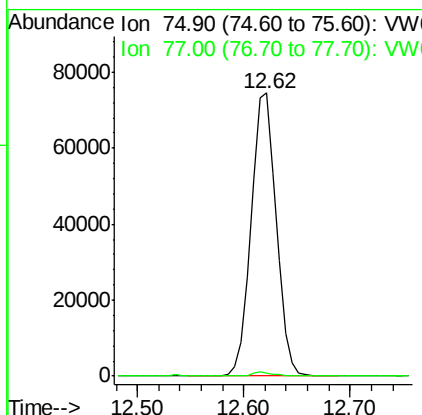
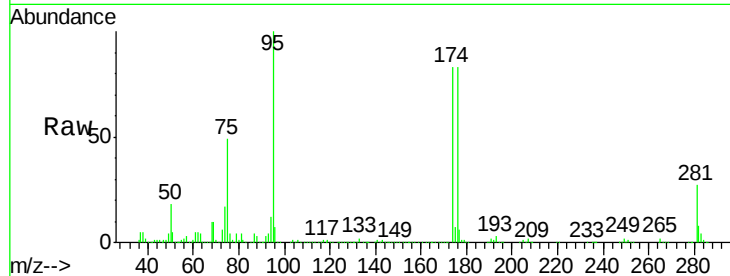




#76
 1,2,3-Trichloropropane
 Concen: 70.984 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008438.D
 Acq: 28 Jan 2019 14:34

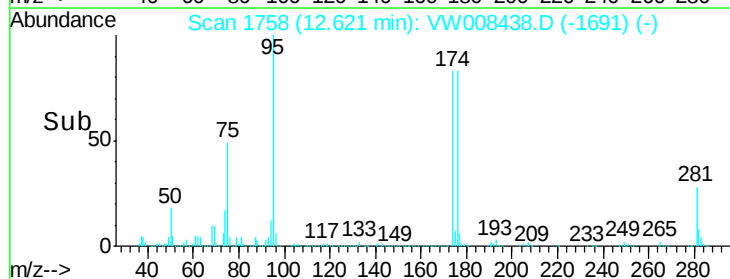
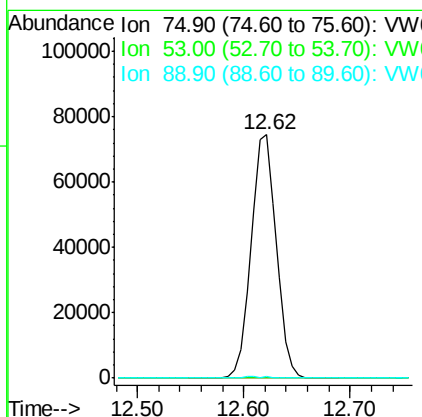
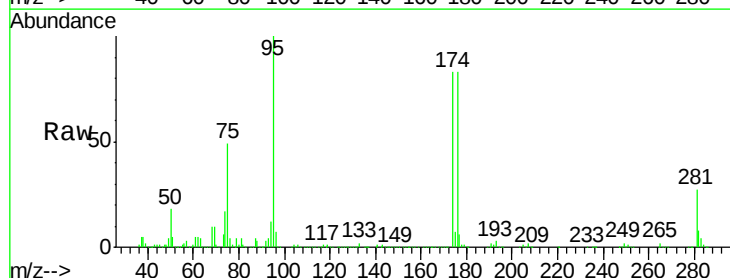
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-01-012519-ARE

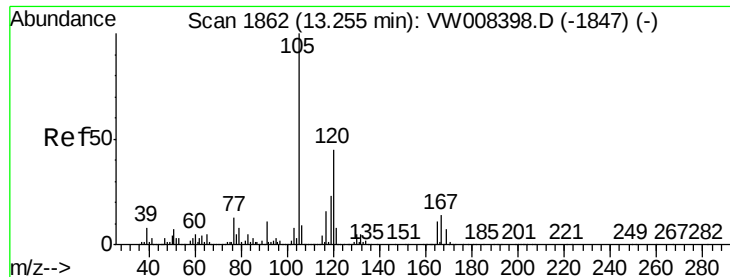
Tgt Ion: 75 Resp: 123892
 Ion Ratio Lower Upper
 75 100
 77 1.2 180.7 542.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.199 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008438.D
 Acq: 28 Jan 2019 14:34

Tgt Ion: 75 Resp: 123892
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.0 114.0#
 89 0.4 35.4 53.0#

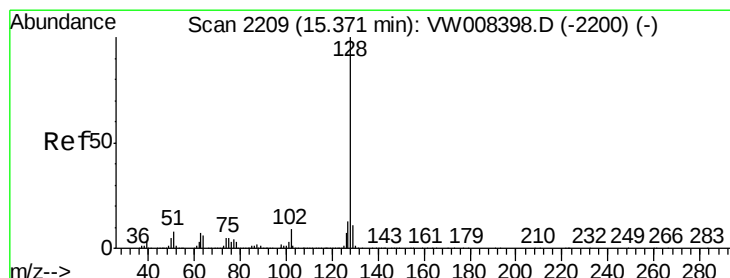
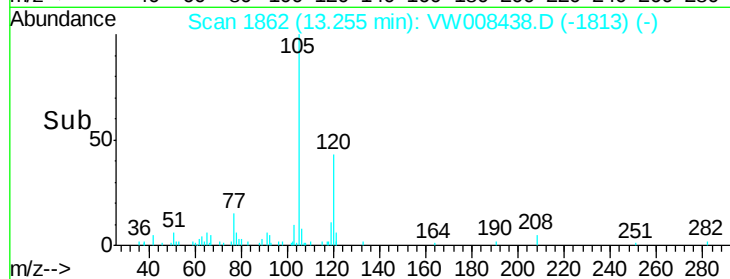
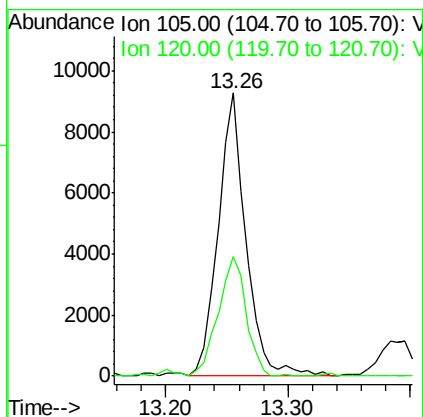
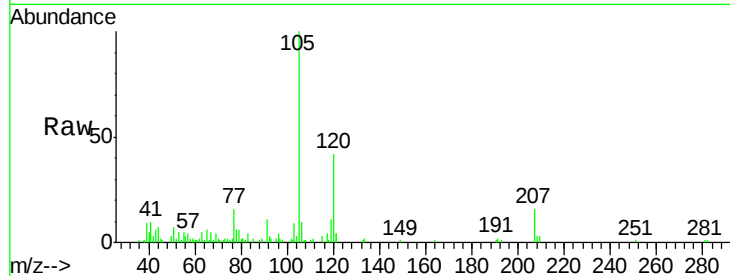




#84
 1,2,4-Trimethylbenzene
 Concen: 1.147 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008438.D
 Acq: 28 Jan 2019 14:34

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-01-012519-ARE

Tgt Ion:105 Resp: 14589
 Ion Ratio Lower Upper
 105 100
 120 42.3 23.1 69.2



#95
 Naphthalene
 Concen: 2.209 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW008438.D
 Acq: 28 Jan 2019 14:34

Tgt Ion:128 Resp: 16169
 Ion Ratio Lower Upper
 128 100
 127 15.8 10.6 15.8
 129 13.9 8.7 13.1#

