

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008067.D
 Acq On : 07 Jan 2019 14:09
 Operator : SY/AP
 Sample : K1012-01RE
 Misc : 7.38G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-010419-ARE

Quant Time: Jan 08 03:43:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

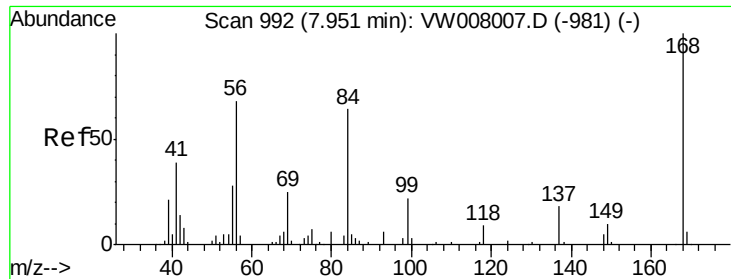
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	71354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	117429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	92182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	38135	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	41525	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
35) Dibromofluoromethane	7.88	113	36061	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	10.32	98	137417	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.62	95	41942	39.38	ug/l	0.00
Spiked Amount			Recovery	=	78.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	425	1.314	ug/l	99
16) Acetone	4.13	43	4030	32.987	ug/l	93
20) Methylene Chloride	4.91	84	6065	5.957	ug/l #	92
31) Cyclohexane	7.95	56	1628	1.350	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	5541	4.783	ug/l #	51
38) Carbon Tetrachloride	7.95	117	7966	5.738	ug/l #	14
52) Toluene	10.39	92	2848	1.412	ug/l	91
68) m/p-Xylenes	11.85	106	2264	1.675	ug/l	82
69) o-Xylene	12.17	106	2323	1.847	ug/l	92
71) Bromoform	12.38	173	521	1.576	ug/l #	87
73) Isopropylbenzene	12.46	105	4366	1.440	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.71	83	418	1.083	ug/l #	44
76) 1,2,3-Trichloropropane	12.62	75	24315	80.146	ug/l #	1
78) n-propylbenzene	12.81	91	5468	1.555	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	6676	2.558	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	24315	189.533	ug/l #	6
83) tert-Butylbenzene	13.26	119	6014	2.633	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.26	105	17976	6.799	ug/l	91
85) sec-Butylbenzene	13.50	105	3924	1.249	ug/l	100
89) n-Butylbenzene	13.83	91	3703	1.429	ug/l #	76
90) Hexachloroethane	14.10	117	1641	3.337	ug/l #	12
95) Naphthalene	15.38	128	2736	1.979	ug/l #	83

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

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ALS Vial : 7 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008067.D

Acq: 07 Jan 2019 14:09

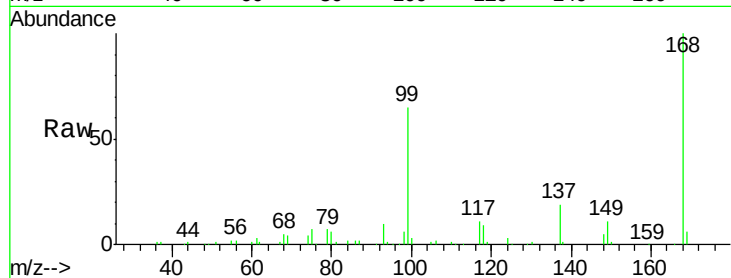
Instrument :
MSVOA_W
ClientSampleId :
EO-02-010419-ARE

Tot Ion:168 Resp: 71354

Ion Ratio Lower Upper

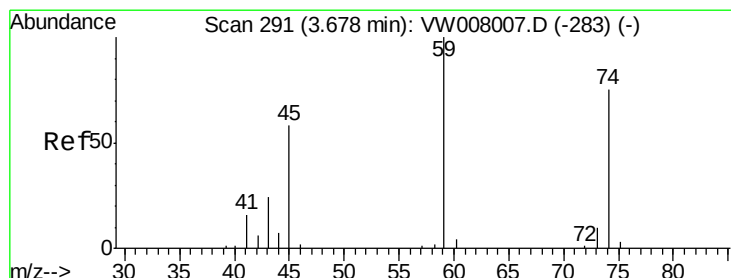
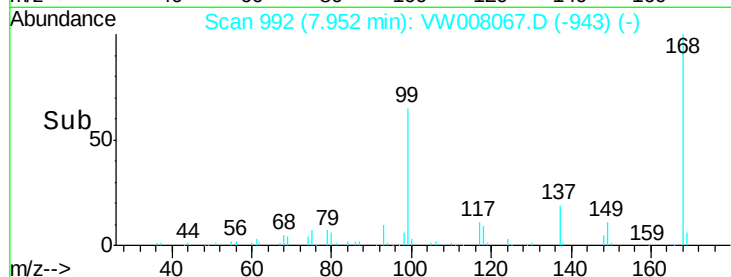
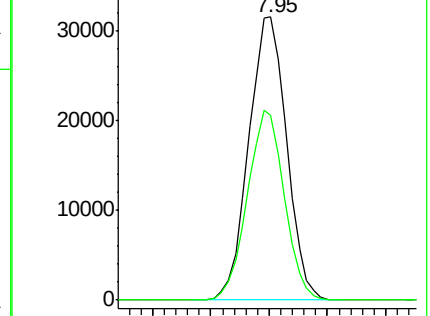
168 100

99 65.3 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.314 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW008067.D

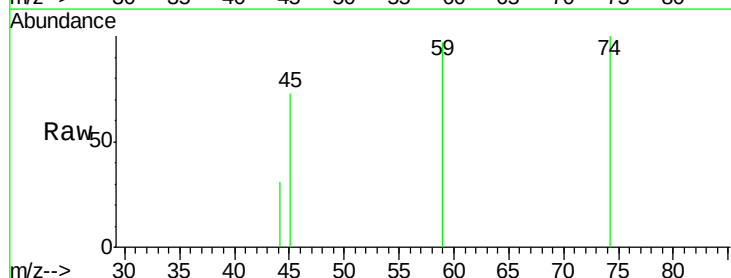
Acq: 07 Jan 2019 14:09

Tgt Ion: 74 Resp: 425

Ion Ratio Lower Upper

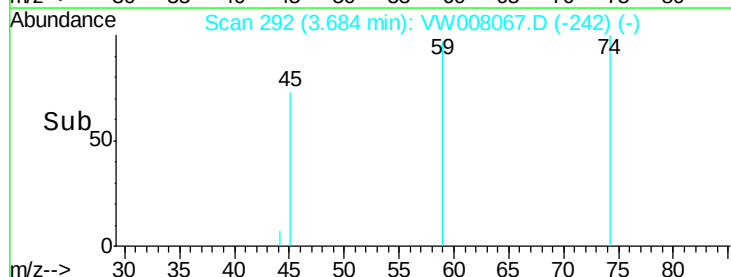
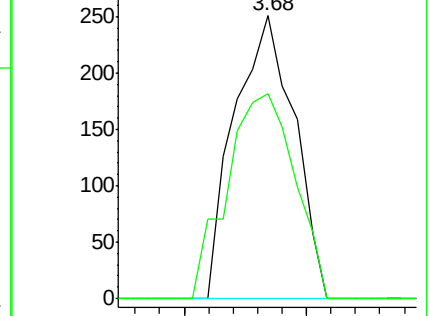
74 100

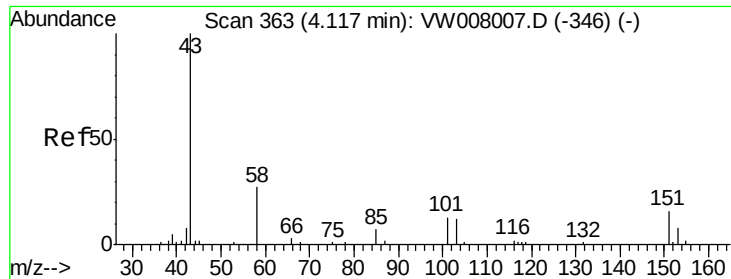
45 82.1 41.4 124.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

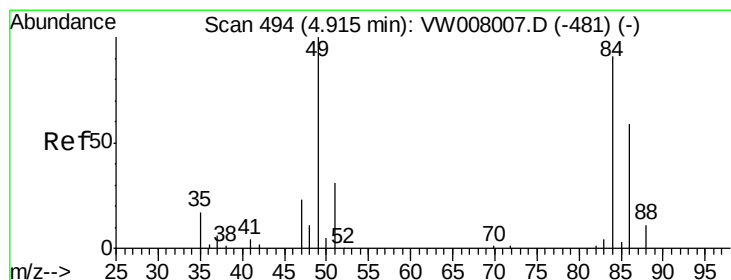
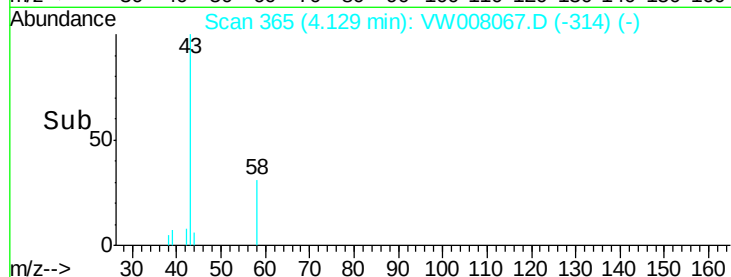
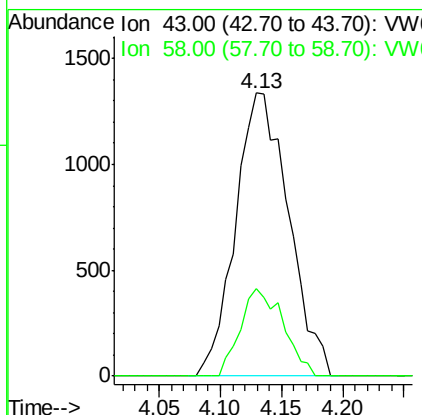
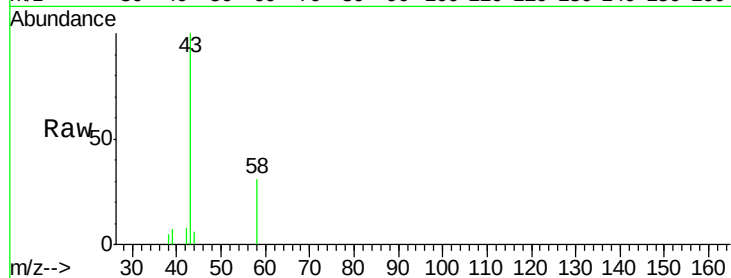




#16
Acetone
Concen: 32.987 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

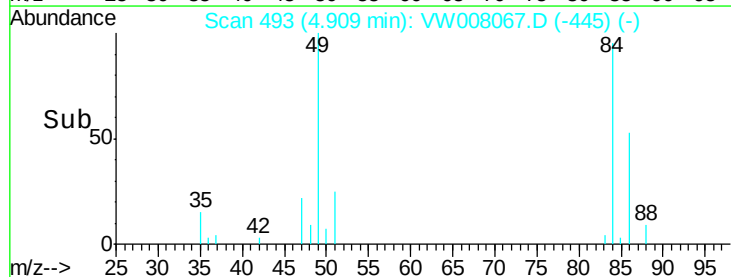
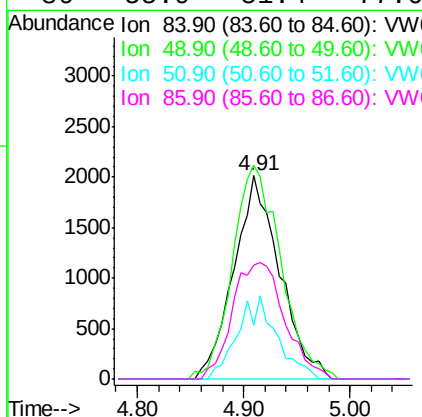
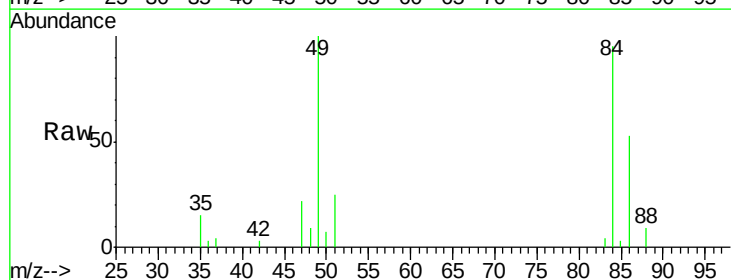
Instrument :
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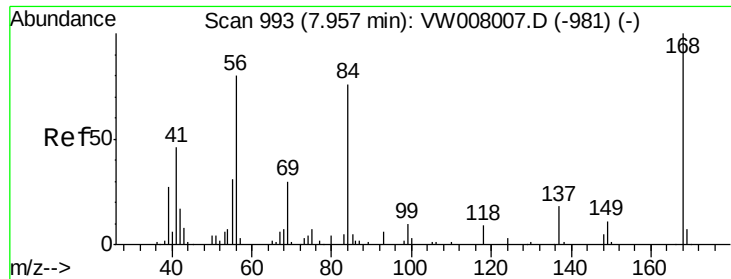
Tot Ion: 43 Resp: 4030
Ion Ratio Lower Upper
43 100
58 30.7 21.7 32.5



#20
Methylene Chloride
Concen: 5.957 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

Tgt Ion: 84 Resp: 6065
Ion Ratio Lower Upper
84 100
49 105.2 87.7 131.5
51 26.8 27.3 40.9#
86 55.9 51.4 77.0

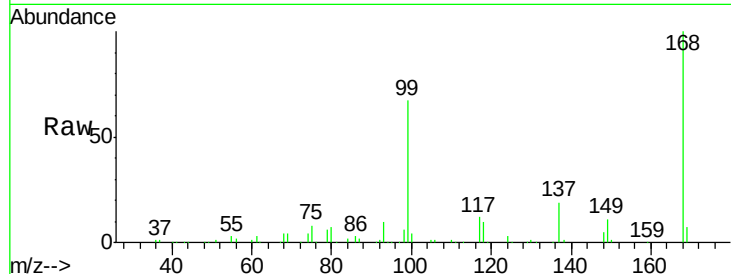




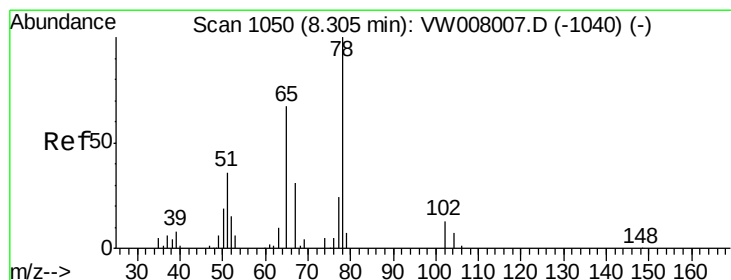
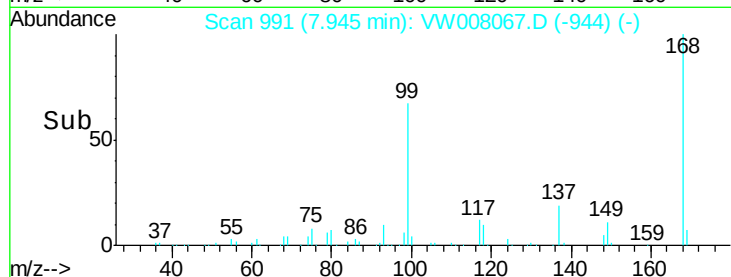
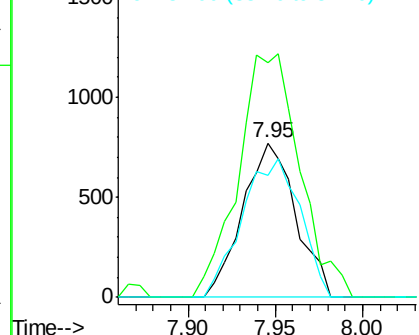
#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

Instrument :
MSVOA_W
ClientSampleId :
EO-02-010419-ARE

Tot Ion: 56 Resp: 1628
Ion Ratio Lower Upper
56 100
69 152.3 29.8 44.6#
84 79.0 75.2 112.8

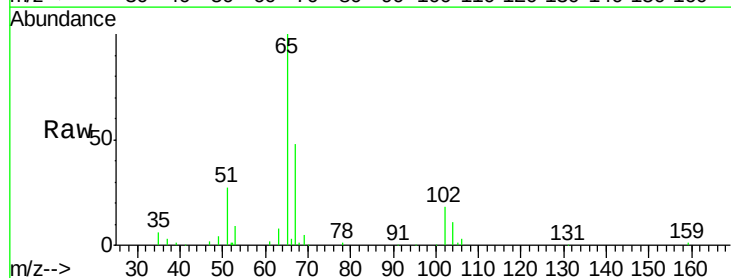


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

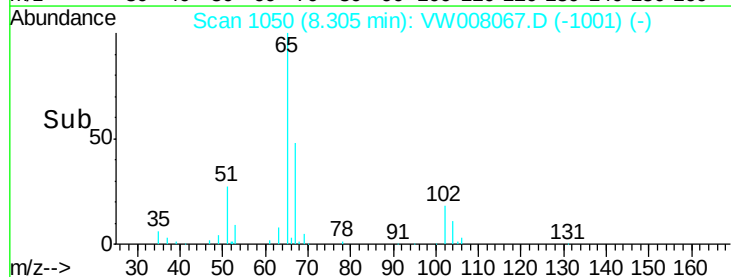
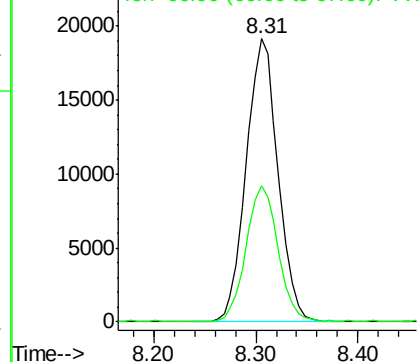


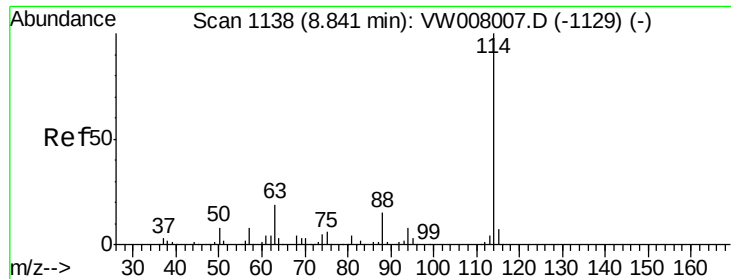
#33
1,2-Dichloroethane-d4
Concen: 52.615 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

Tgt Ion: 65 Resp: 41525
Ion Ratio Lower Upper
65 100
67 48.9 0.0 94.8



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: VW008067.D

Acq: 07 Jan 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

EO-02-010419-ARE

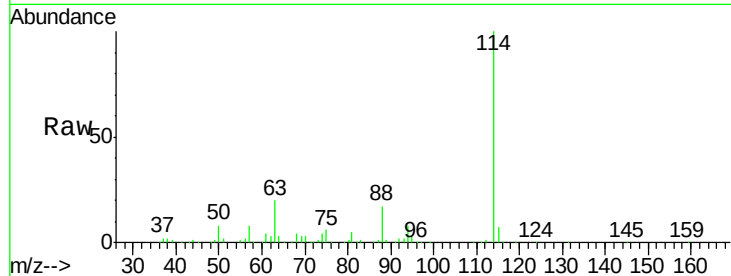
Tot Ion:114 Resp: 117429

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.8

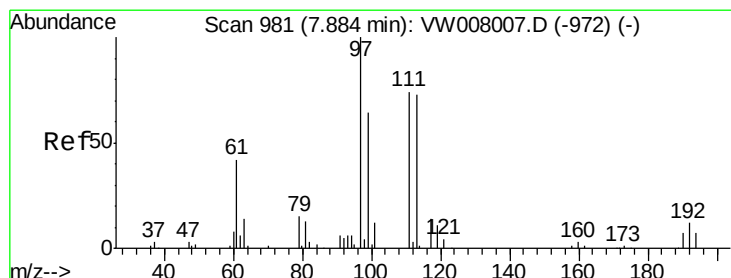
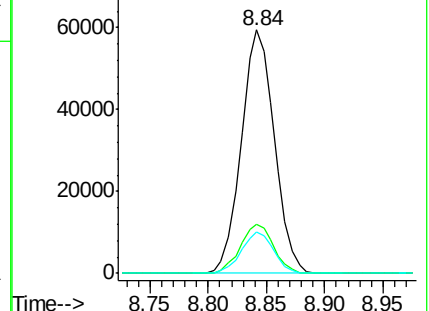
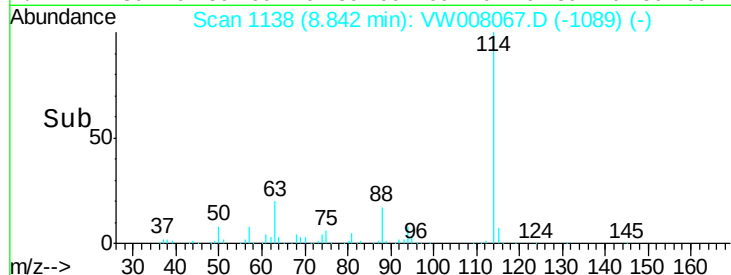
88 16.8 0.0 31.0



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: 48.713 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008067.D

Acq: 07 Jan 2019 14:09

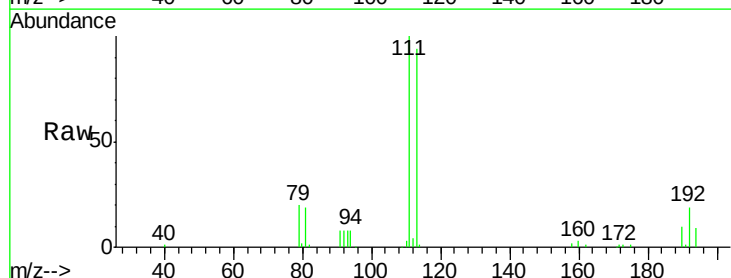
Tgt Ion:113 Resp: 36061

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

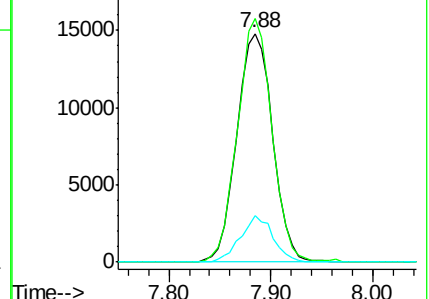
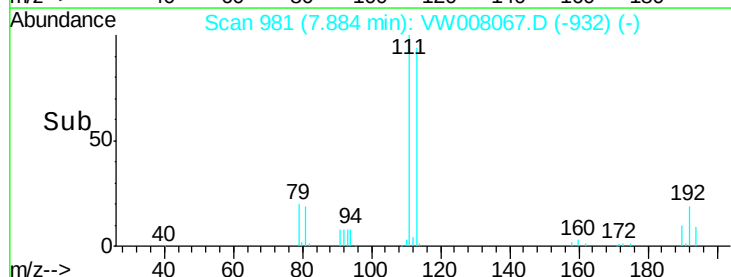
192 18.3 14.8 22.2

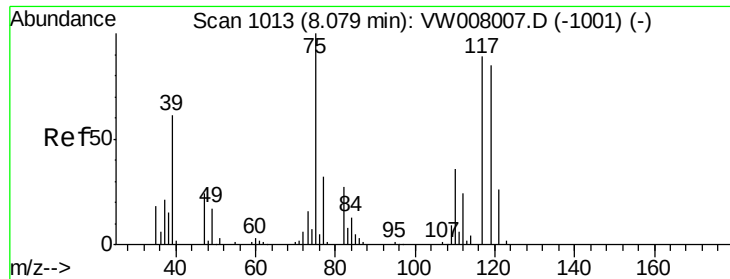


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

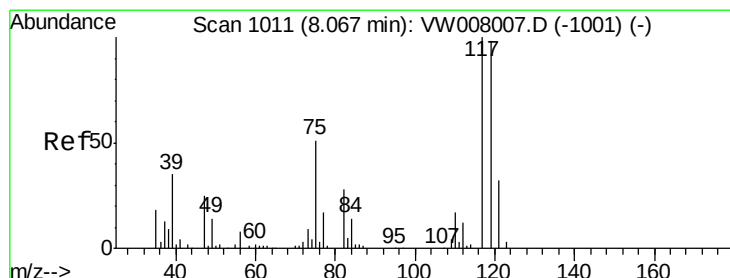
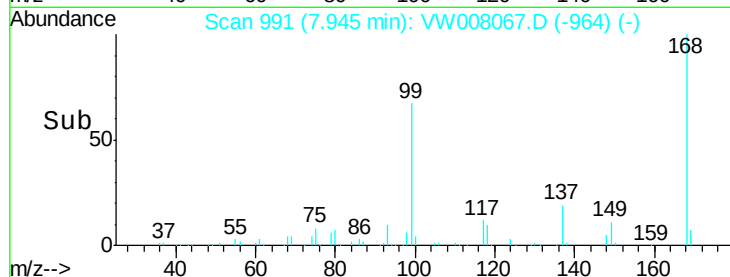
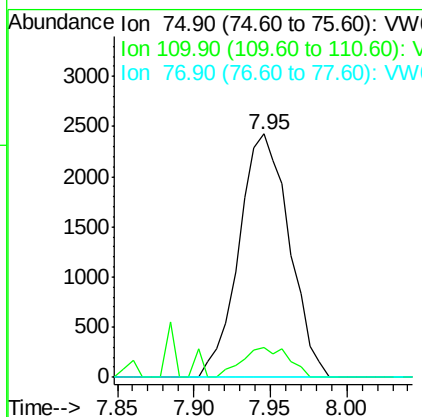
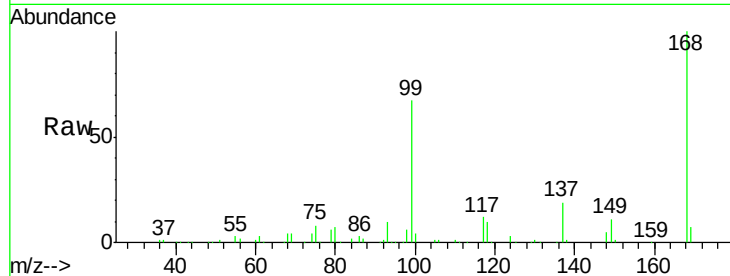




#36
 1,1-Dichloropropene
 Concen: 4.783 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008067.D
 Acq: 07 Jan 2019 14:09

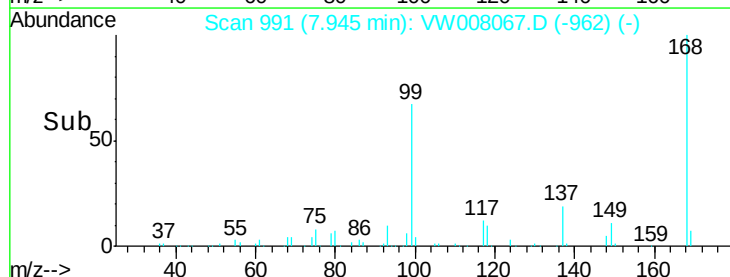
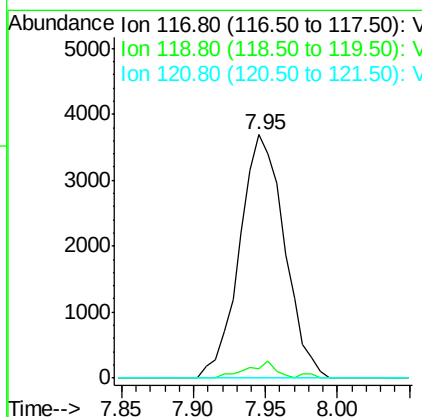
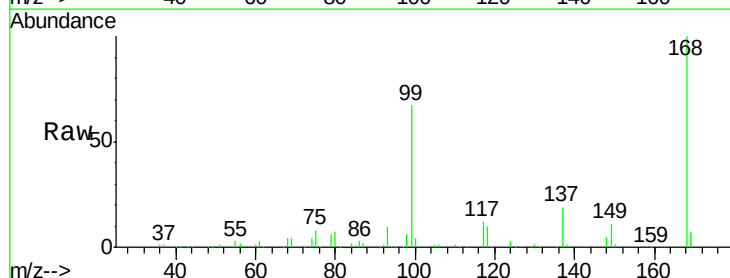
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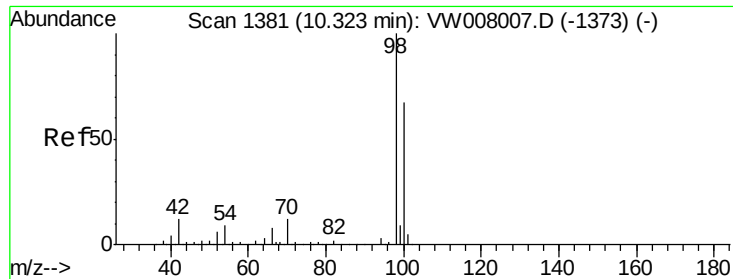
Tot Ion: 75 Resp: 5541
 Ion Ratio Lower Upper
 75 100
 110 11.4 18.1 54.3#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.738 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008067.D
 Acq: 07 Jan 2019 14:09

Tgt Ion: 117 Resp: 7966
 Ion Ratio Lower Upper
 117 100
 119 4.0 78.7 118.1#
 121 0.0 25.8 38.8#

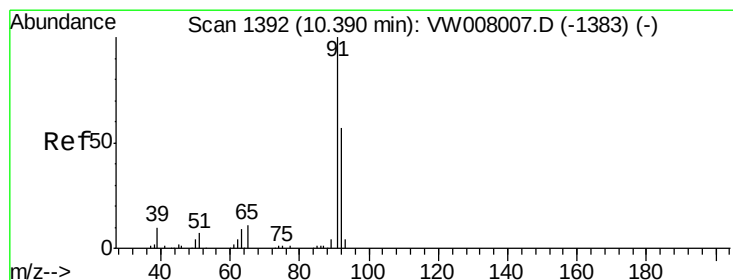
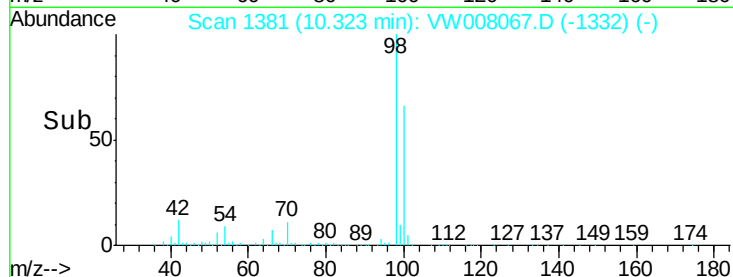
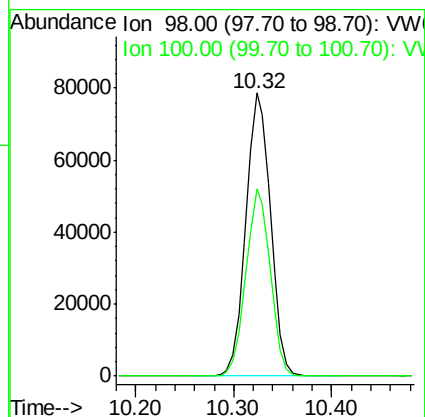
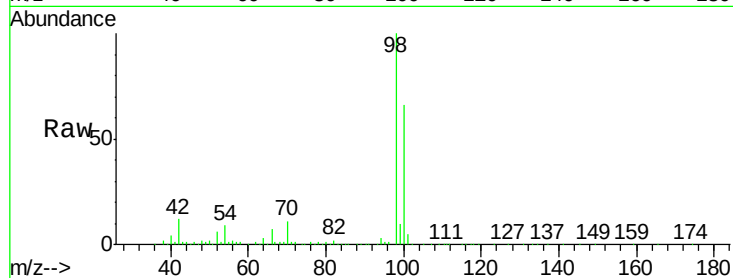




#50
Toluene-d8
Concen: 49.485 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

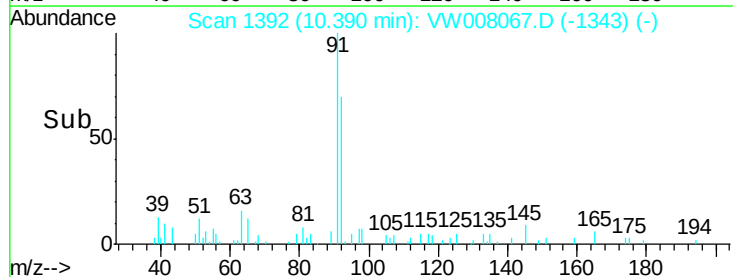
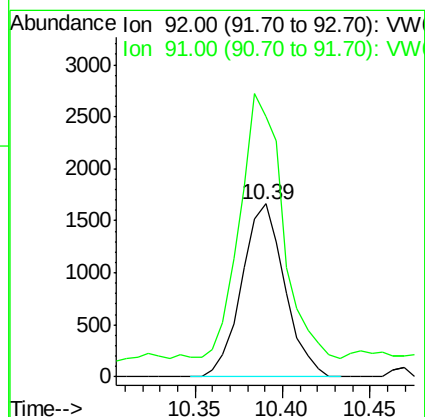
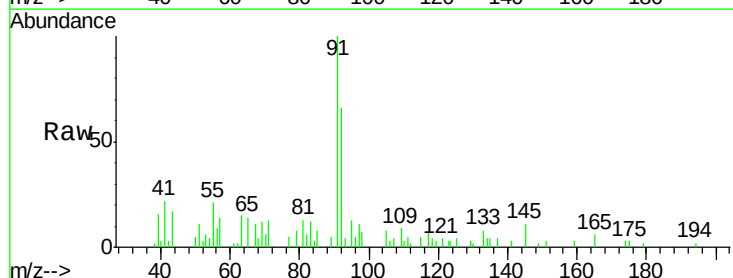
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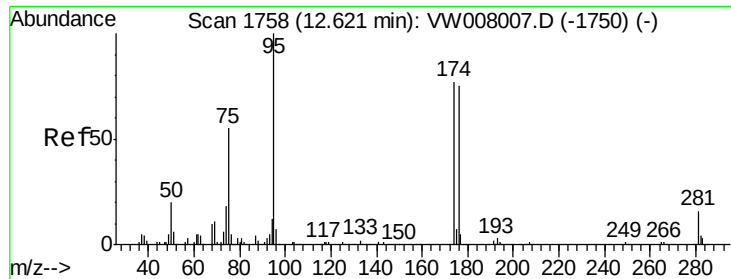
Tot Ion: 98 Resp: 137417
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3



#52
Toluene
Concen: 1.412 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

Tgt Ion: 92 Resp: 2848
Ion Ratio Lower Upper
92 100
91 159.3 136.9 205.3





#62

4-Bromofluorobenzene

Concen: 39.383 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008067.D

Acq: 07 Jan 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

EO-02-010419-ARE

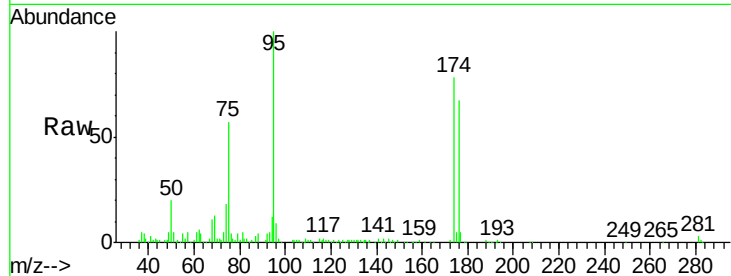
Tot Ion: 95 Resp: 41942

Ion Ratio Lower Upper

95 100

174 76.0 0.0 149.6

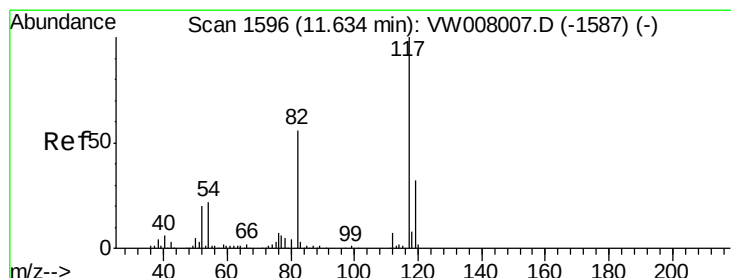
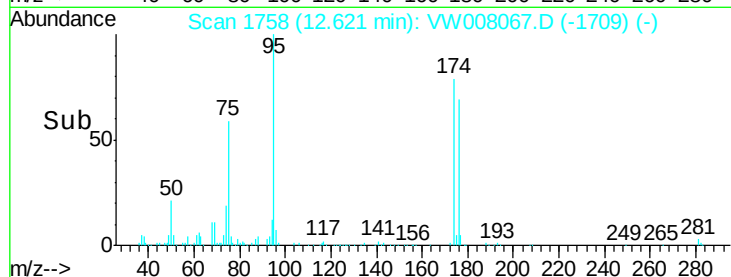
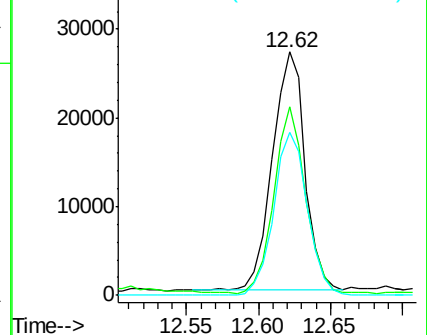
176 71.1 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008067.D

Acq: 07 Jan 2019 14:09

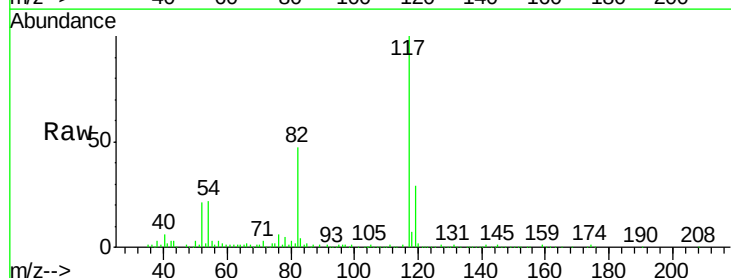
Tgt Ion: 117 Resp: 92182

Ion Ratio Lower Upper

117 100

82 47.2 44.8 67.2

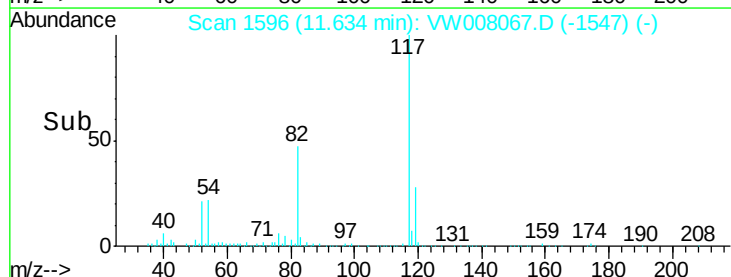
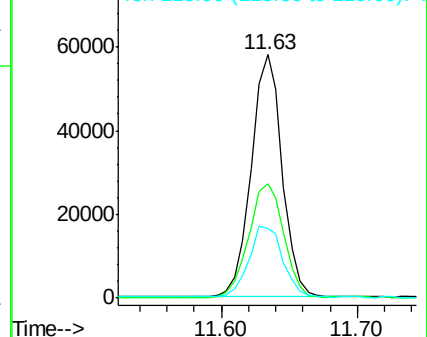
119 28.4 25.6 38.4

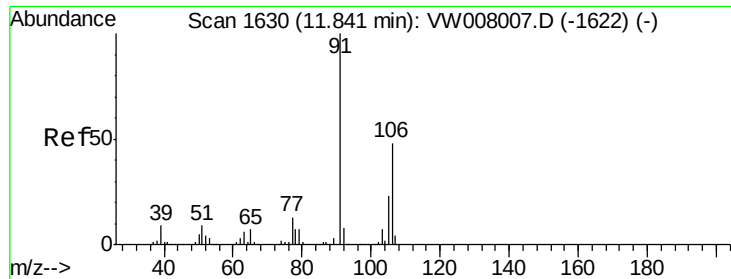


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

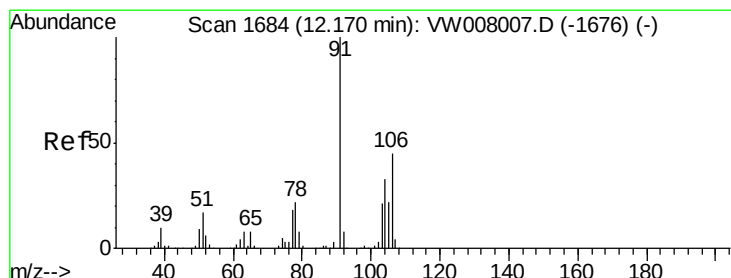
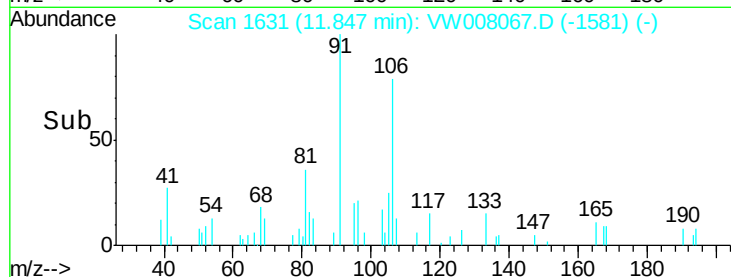
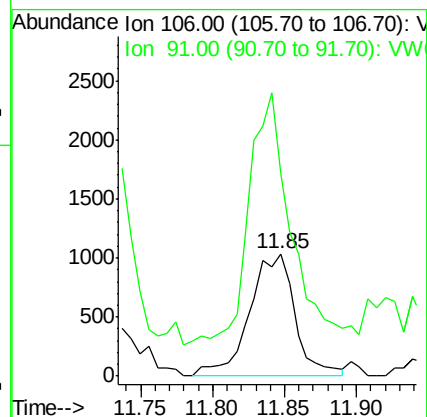
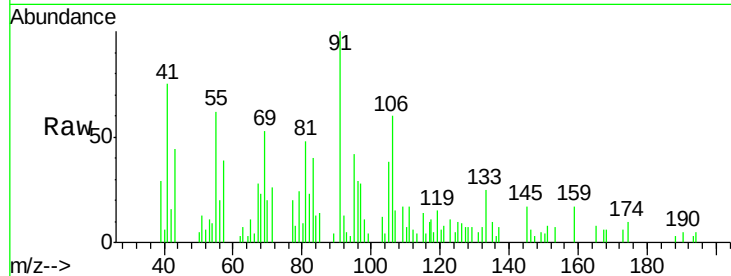




#68
m/p-Xylenes
Concen: 1.675 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

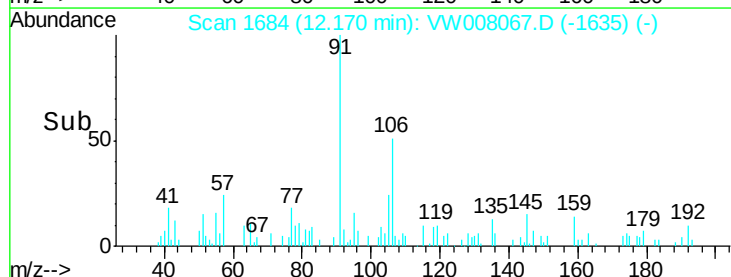
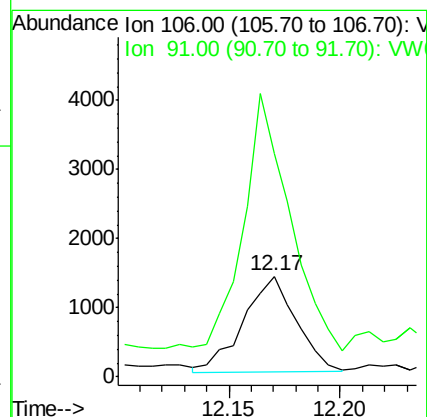
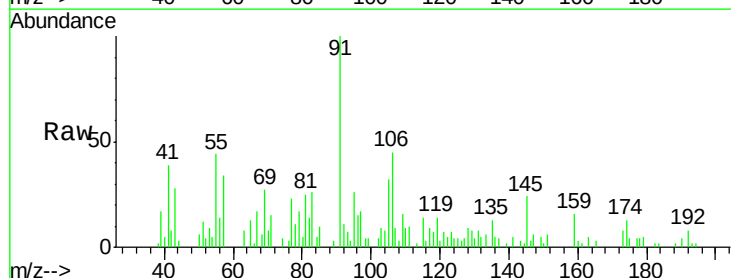
Instrument :
MSVOA_W
ClientSampleId :
EO-02-010419-ARE

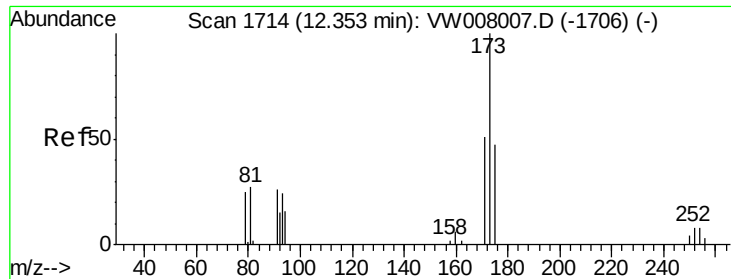
Tot Ion:106 Resp: 2264
Ion Ratio Lower Upper
106 100
91 180.1 165.8 248.8



#69
o-Xylene
Concen: 1.847 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

Tgt Ion:106 Resp: 2323
Ion Ratio Lower Upper
106 100
91 233.8 110.6 331.6

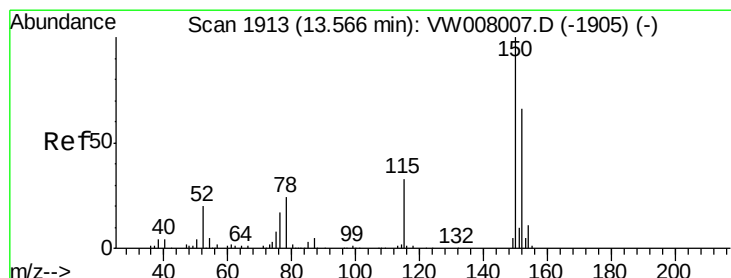
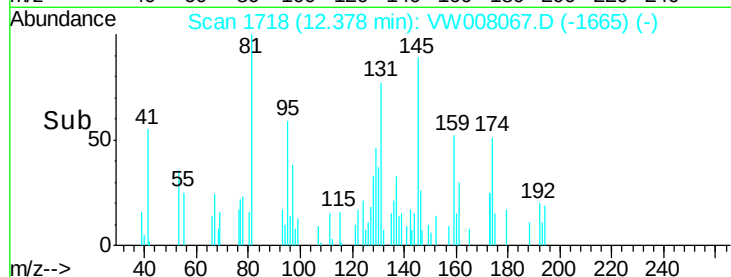
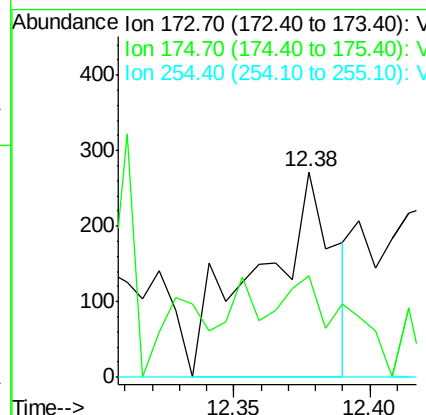
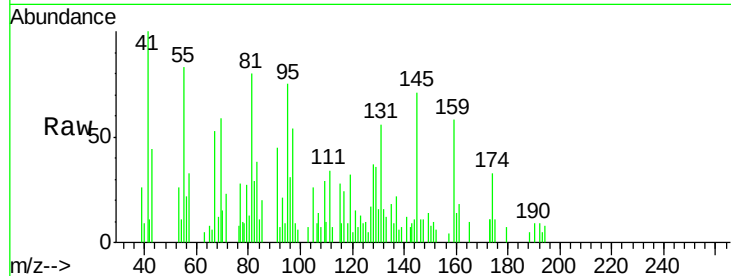




#71
Bromoform
Concen: 1.576 ug/l
RT: 12.38 min Scan# 1718
Delta R.T. 0.02 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

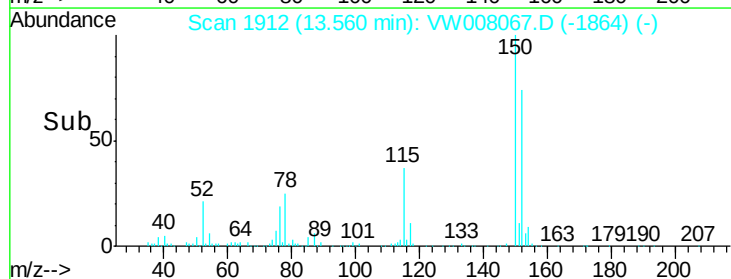
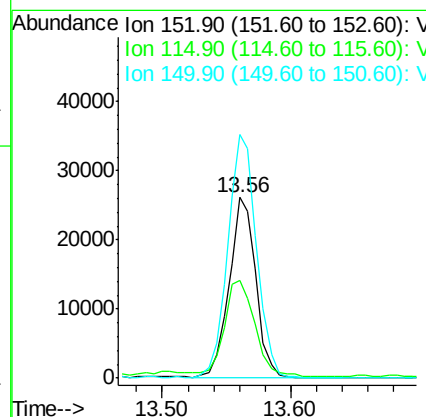
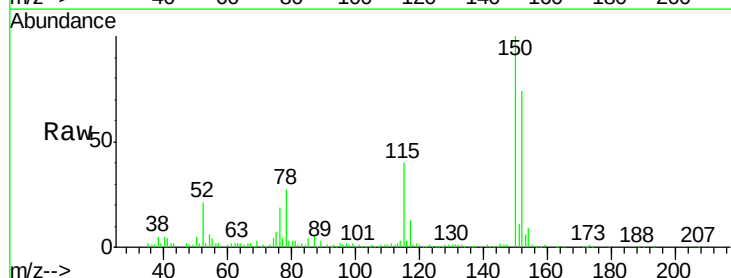
Instrument :
MSVOA_W
ClientSampleId :
EO-02-010419-ARE

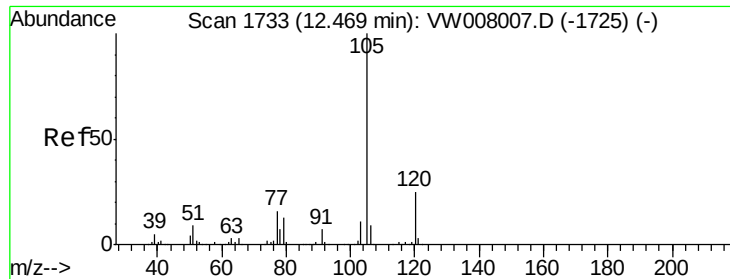
Tot Ion:173 Resp: 521
Ion Ratio Lower Upper
173 100
175 38.8 23.6 71.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

Tgt Ion:152 Resp: 38135
Ion Ratio Lower Upper
152 100
115 60.3 32.1 96.5
150 145.2 0.0 345.0





#73

Isopropylbenzene

Concen: 1.440 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008067.D

Acq: 07 Jan 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

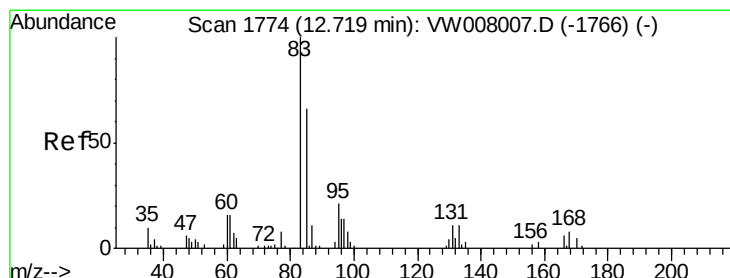
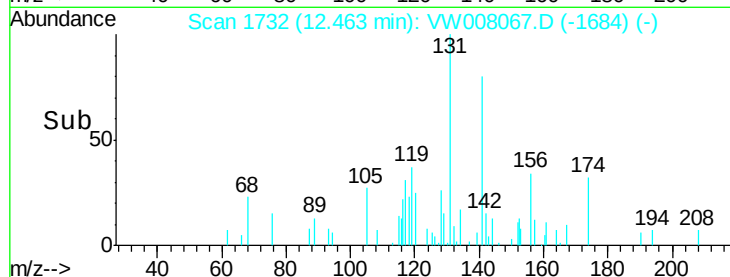
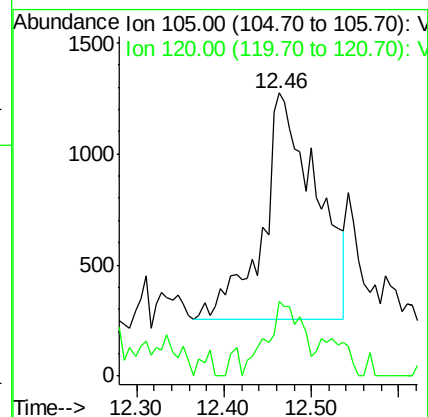
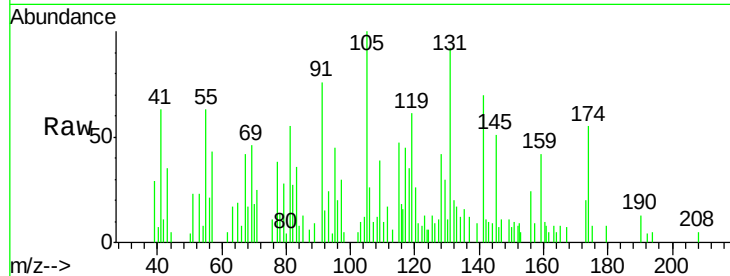
EO-02-010419-ARE

Tot Ion:105 Resp: 4366

Ion Ratio Lower Upper

105 100

120 21.3 12.8 38.3



#75

1,1,2,2-Tetrachloroethane

Concen: 1.083 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008067.D

Acq: 07 Jan 2019 14:09

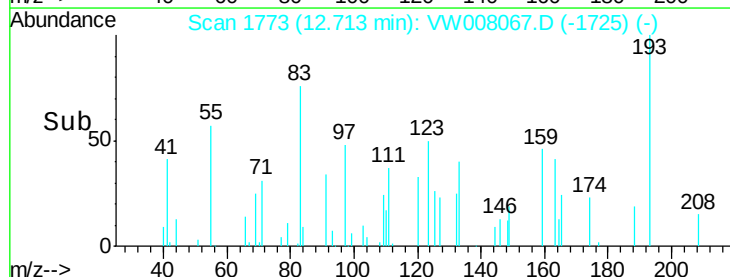
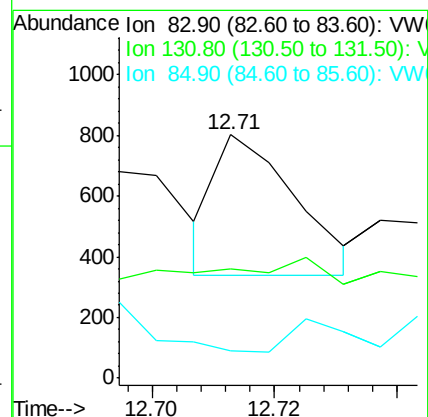
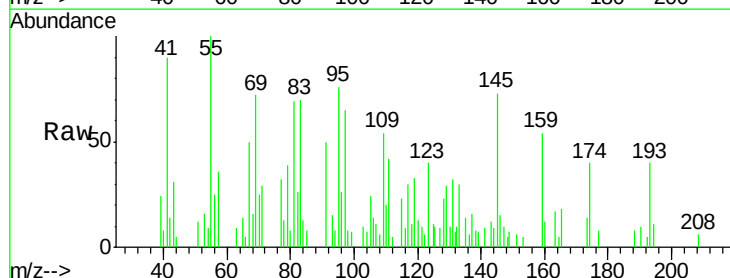
Tgt Ion: 83 Resp: 418

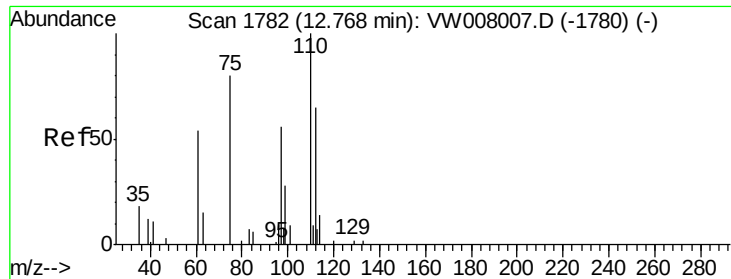
Ion Ratio Lower Upper

83 100

131 0.0 6.5 19.5#

85 17.2 32.8 98.3#

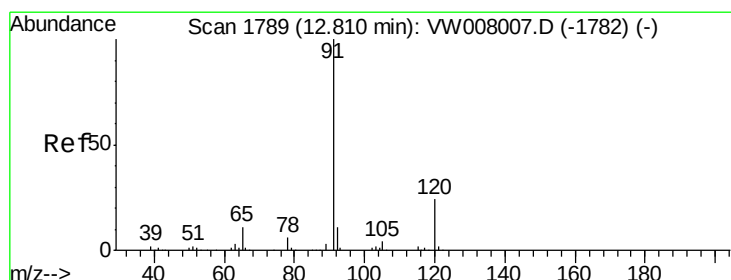
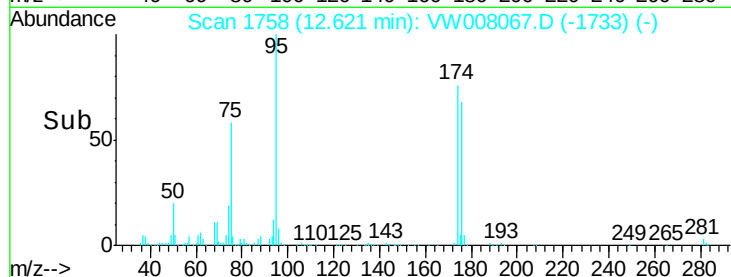
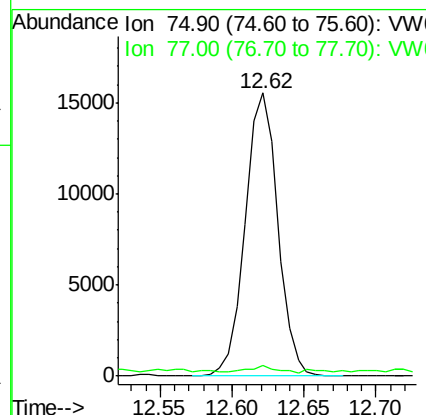
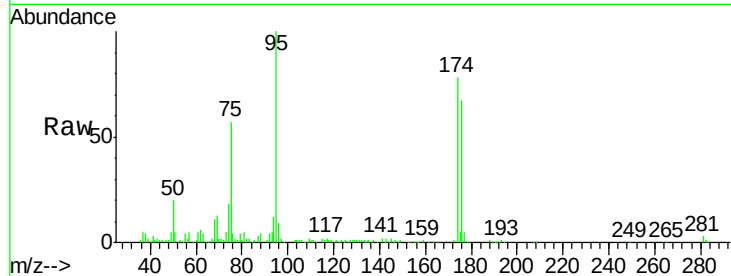




#76
 1,2,3-Trichloropropane
 Concen: 80.146 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008067.D
 Acq: 07 Jan 2019 14:09

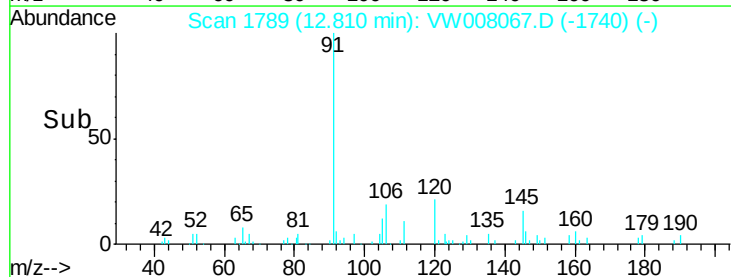
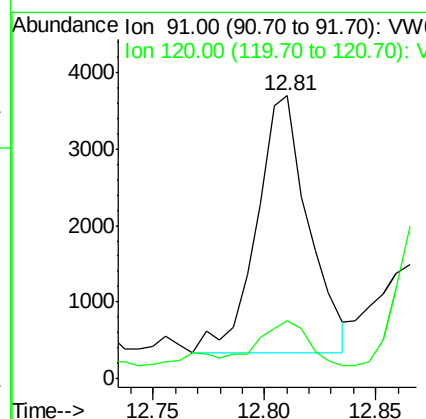
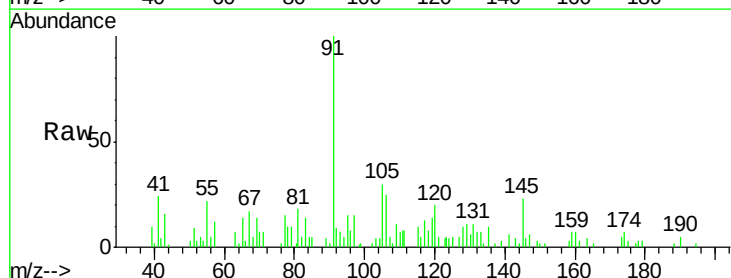
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-010419-ARE

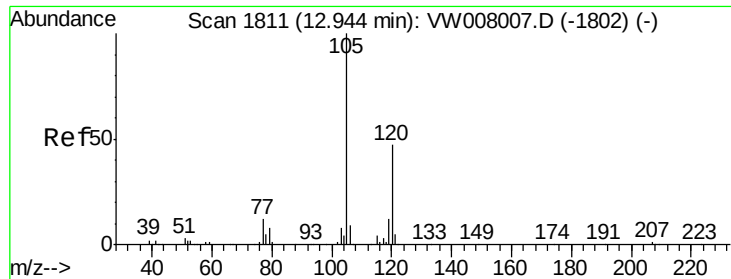
Tot Ion: 75 Resp: 24315
 Ion Ratio Lower Upper
 75 100
 77 1.9 186.2 558.6#



#78
 n-propylbenzene
 Concen: 1.555 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VW008067.D
 Acq: 07 Jan 2019 14:09

Tgt Ion: 91 Resp: 5468
 Ion Ratio Lower Upper
 91 100
 120 21.6 11.5 34.5

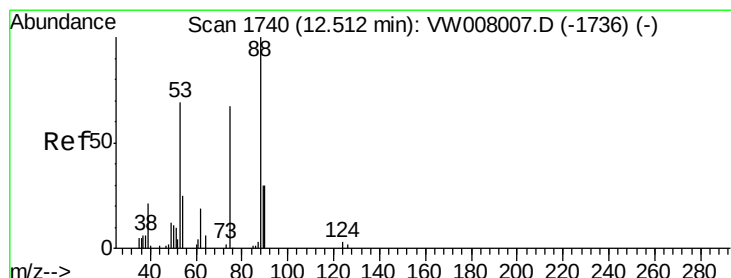
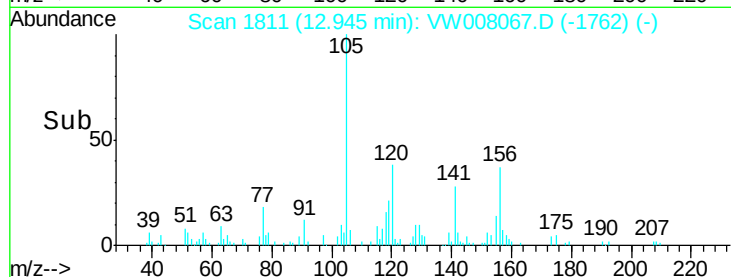
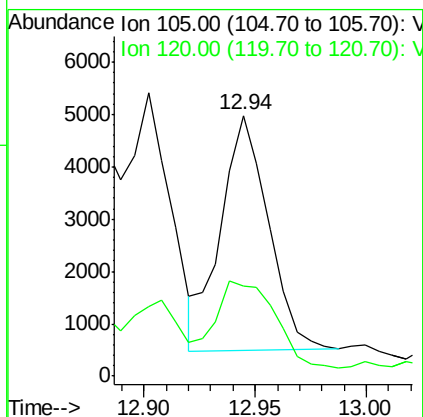
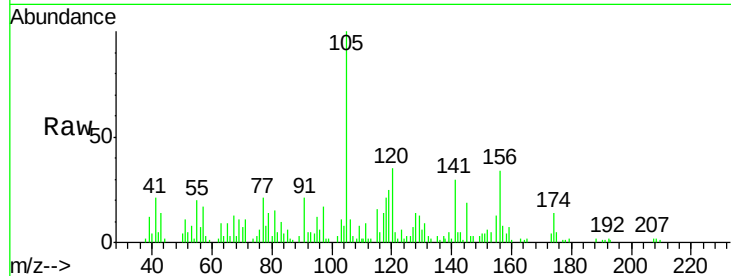




#80
 1,3,5-Trimethylbenzene
 Concen: 2.558 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008067.D
 Acq: 07 Jan 2019 14:09

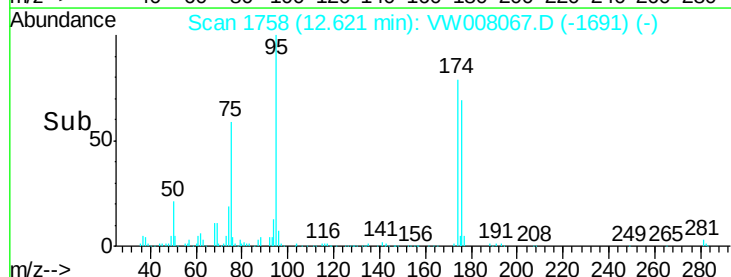
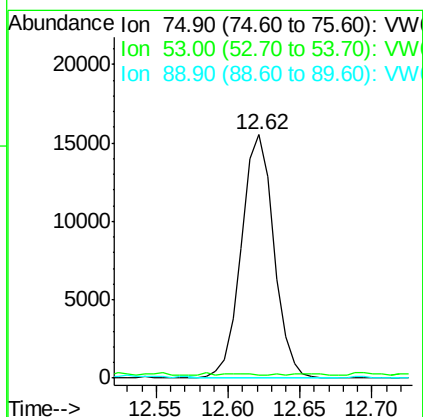
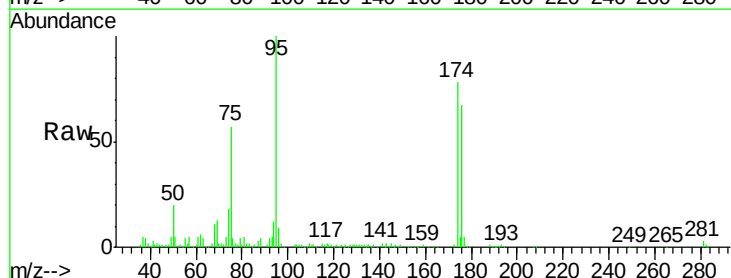
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-010419-ARE

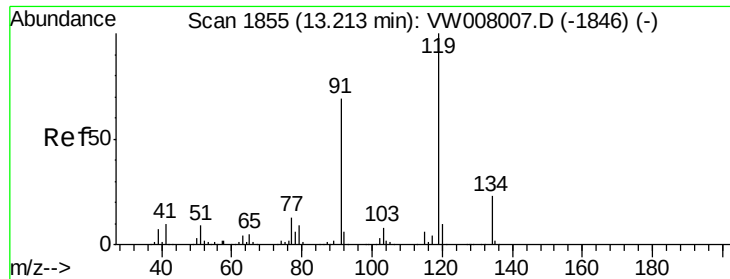
Tot Ion:105 Resp: 6676
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 189.533 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008067.D
 Acq: 07 Jan 2019 14:09

Tgt Ion: 75 Resp: 24315
 Ion Ratio Lower Upper
 75 100
 53 0.3 87.6 131.4#
 89 0.1 42.2 63.2#

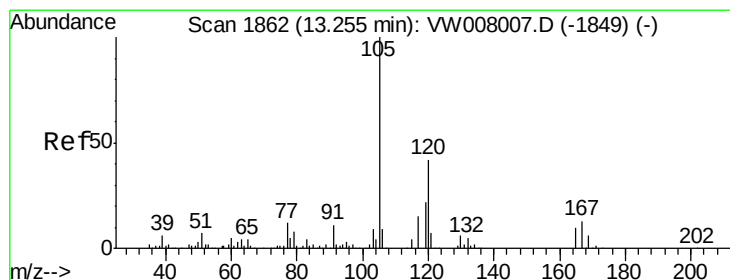
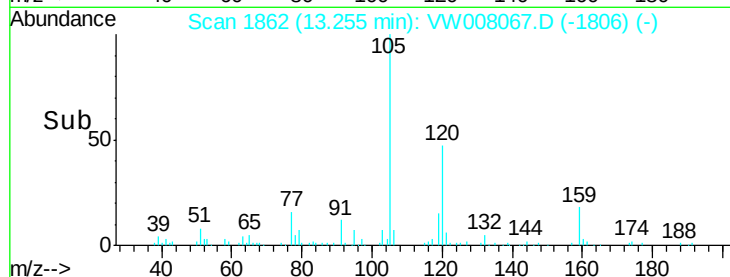
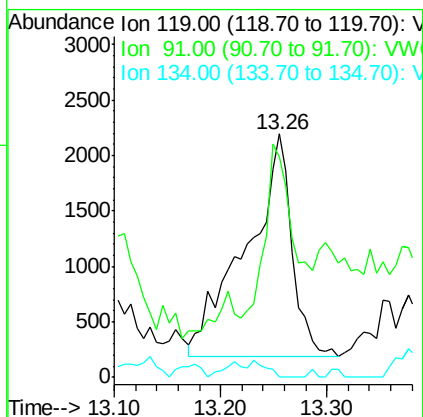
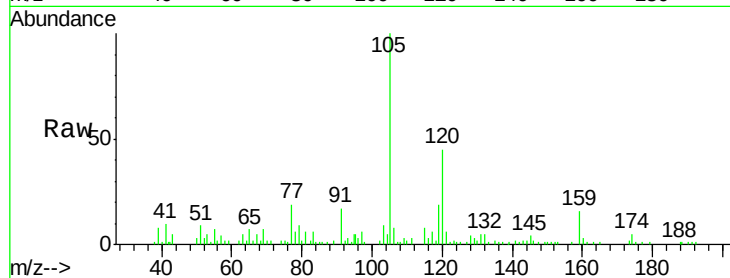




#83
tert-Butylbenzene
Concen: 2.633 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.04 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

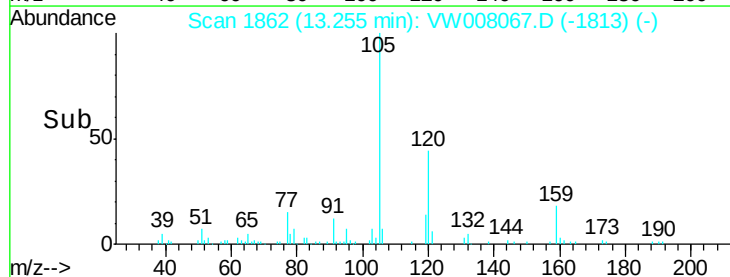
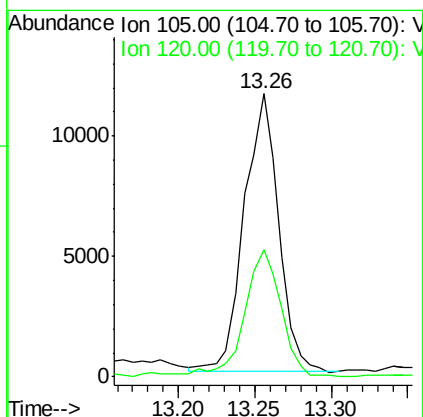
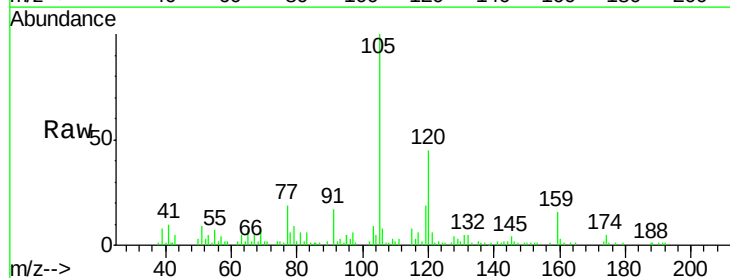
Instrument :
MSVOA_W
ClientSampleId :
EO-02-010419-ARE

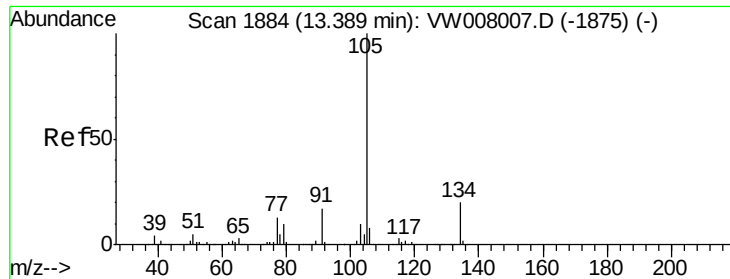
Tot Ion:119 Resp: 6014
Ion Ratio Lower Upper
119 100
91 49.2 34.7 104.1
134 0.0 11.5 34.4#



#84
1,2,4-Trimethylbenzene
Concen: 6.799 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

Tgt Ion:105 Resp: 17976
Ion Ratio Lower Upper
105 100
120 48.7 21.5 64.5





#85

sec-Butylbenzene

Concen: 1.249 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.11 min

Lab File: VW008067.D

Acq: 07 Jan 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

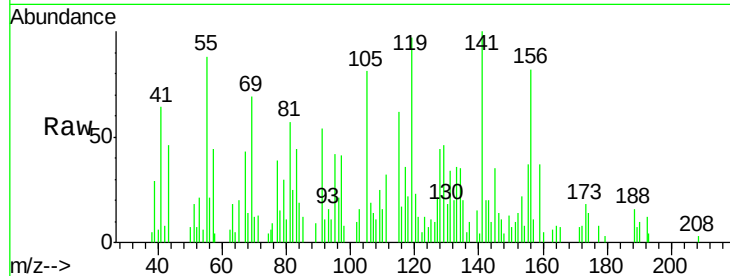
EO-02-010419-ARE

Tot Ion:105 Resp: 3924

Ion Ratio Lower Upper

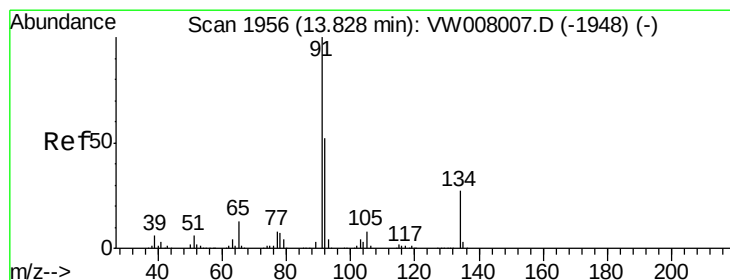
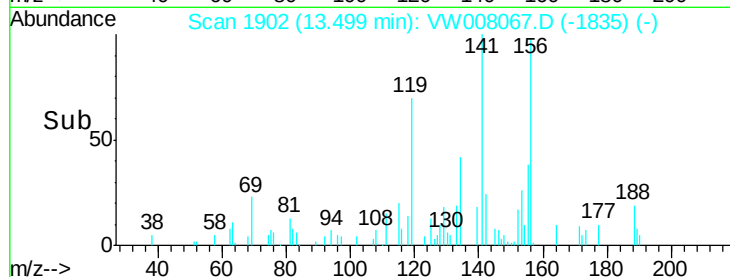
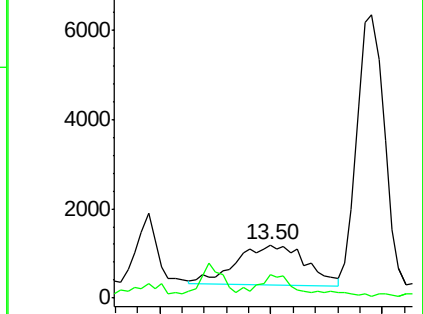
105 100

134 19.1 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 1.429 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008067.D

Acq: 07 Jan 2019 14:09

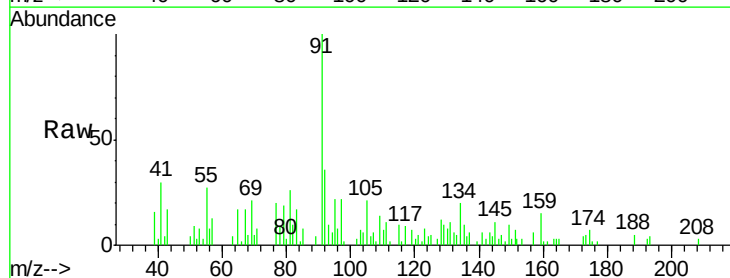
Tgt Ion: 91 Resp: 3703

Ion Ratio Lower Upper

91 100

92 59.6 26.4 79.2

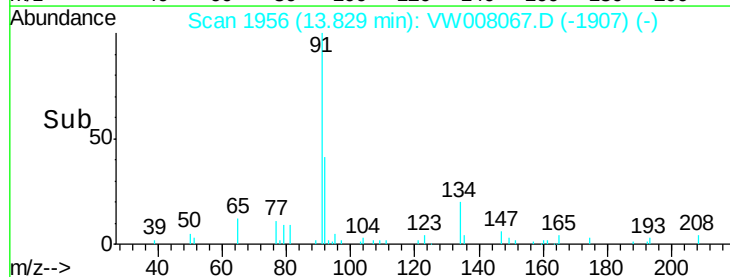
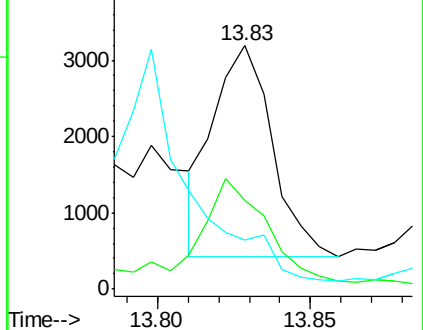
134 0.0 13.4 40.2#

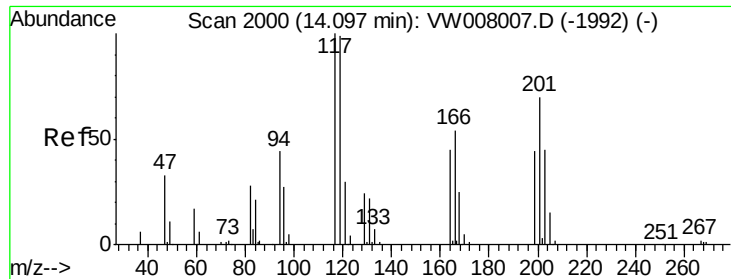


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

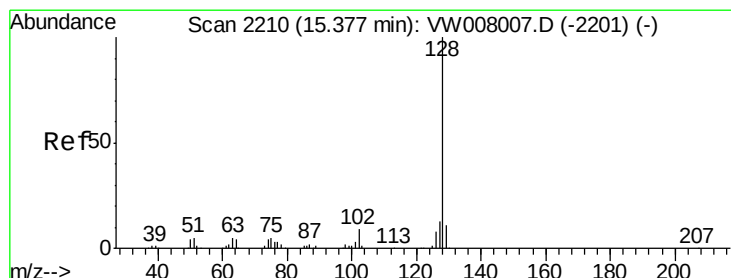
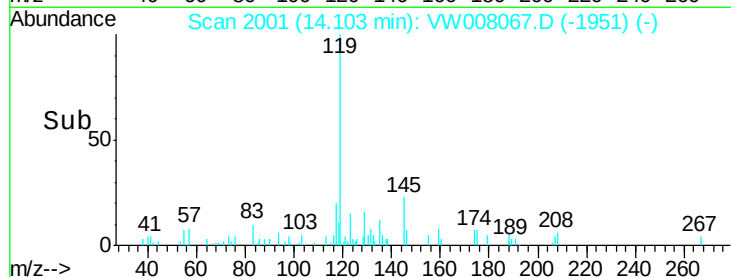
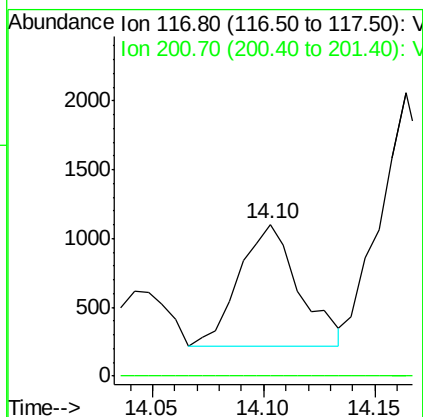
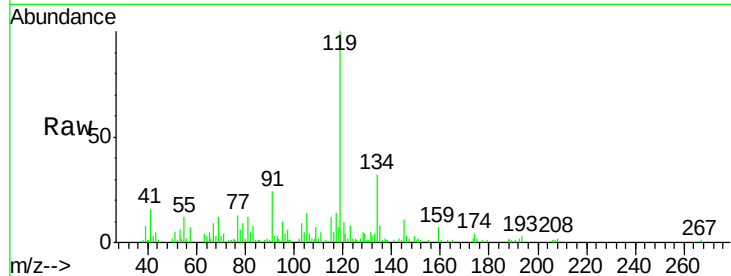




#90
Hexachloroethane
Concen: 3.337 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

Instrument :
MSVOA_W
ClientSampleId :
EO-02-010419-ARE

Tot Ion:117 Resp: 1641
Ion Ratio Lower Upper
117 100
201 0.0 37.1 111.5#



#95
Naphthalene
Concen: 1.979 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008067.D
Acq: 07 Jan 2019 14:09

Tgt Ion:128 Resp: 2736
Ion Ratio Lower Upper
128 100
127 16.4 10.8 16.2#
129 0.0 8.8 13.2#

