

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008509.D
 Acq On : 04 Feb 2019 18:36
 Operator : SY/VA
 Sample : K1299-07
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0040-AMND-COMP-3

Quant Time: Feb 05 04:02:06 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	341052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	549980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	505250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	240892	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	196975	58.79	ug/l	0.00
Spiked Amount			Recovery	=	117.58%	
35) Dibromofluoromethane	7.88	113	143657	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	
50) Toluene-d8	10.32	98	660294	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.62	95	249227	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	

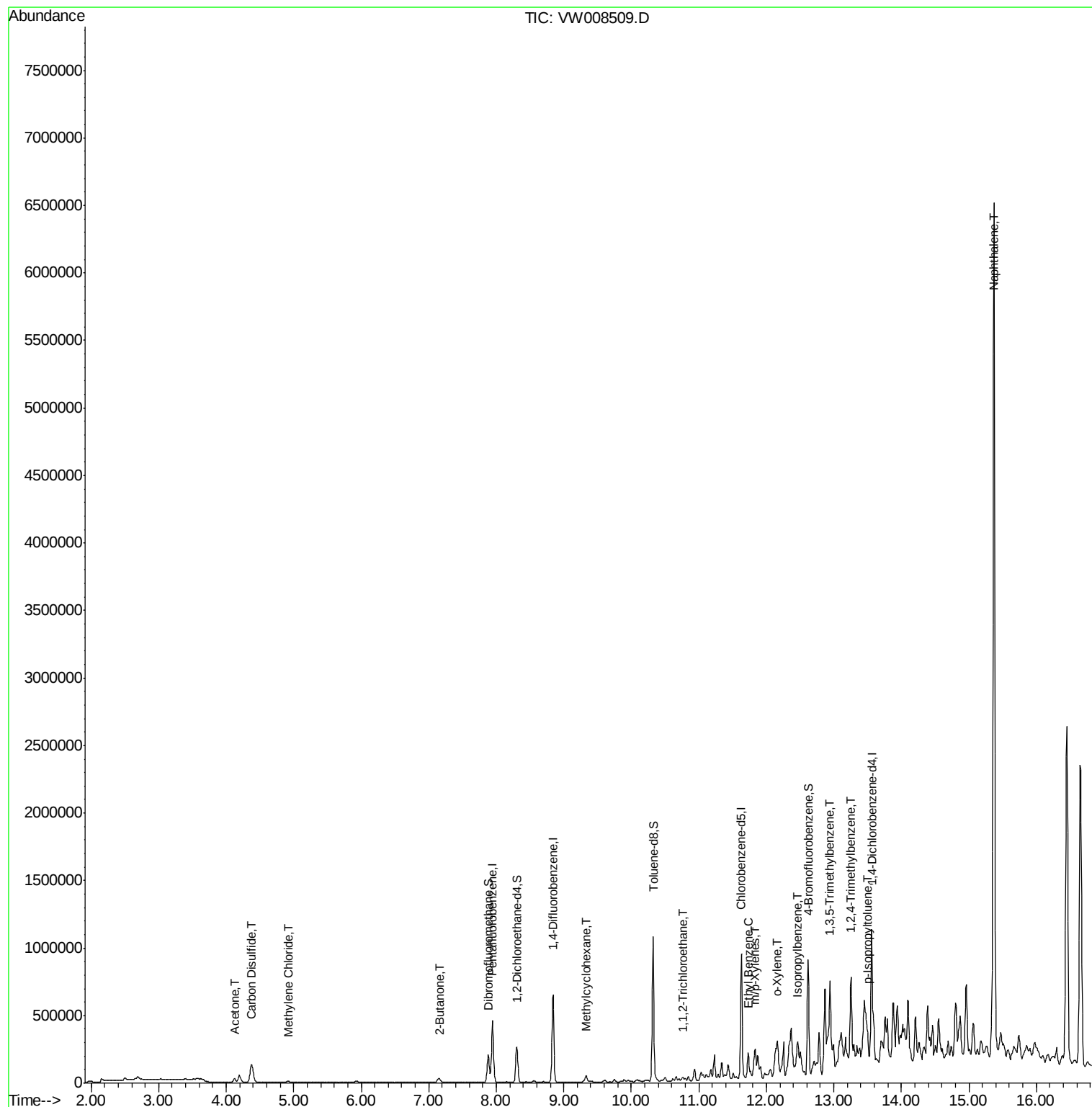
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	47865	63.616	ug/l	95
17) Carbon Disulfide	4.37	76	323552	32.452	ug/l	97
20) Methylene Chloride	4.92	84	6863	1.979	ug/l #	84
25) 2-Butanone	7.17	43	13657	13.068	ug/l	91
39) Methylcyclohexane	9.33	83	18721	2.743	ug/l	100
55) 1,1,2-Trichloroethane	10.76	97	8965	3.496	ug/l #	23
67) Ethyl Benzene	11.73	91	128703	6.789	ug/l	96
68) m/p-Xylenes	11.83	106	58641	7.972	ug/l	96
69) o-Xylene	12.16	106	58922	8.430	ug/l	97
73) Isopropylbenzene	12.47	105	96274	5.361	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	165573	11.030	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	332572	21.798	ug/l	99
86) p-Isopropyltoluene	13.50	119	81142	4.856	ug/l	98
95) Naphthalene	15.37	128	5229706	595.515	ug/l	99

(#) = 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: VW008509.D

Acq: 04 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

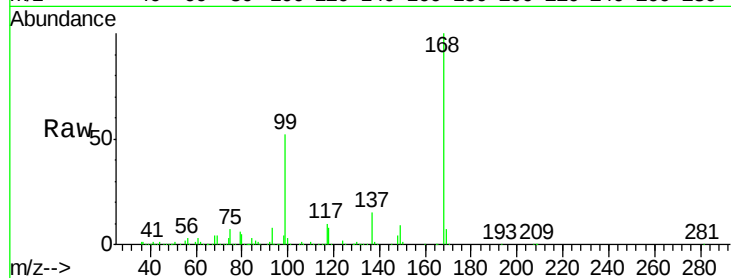
0040-AMND-COMP-3

Tot Ion:168 Resp: 341052

Ion Ratio Lower Upper

168 100

99 52.1 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

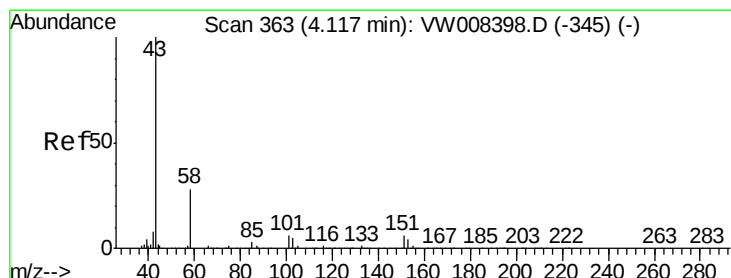
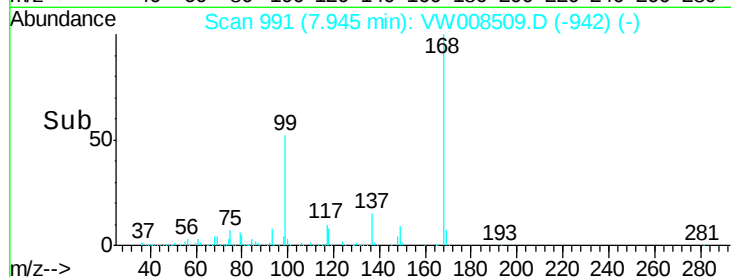
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 63.616 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008509.D

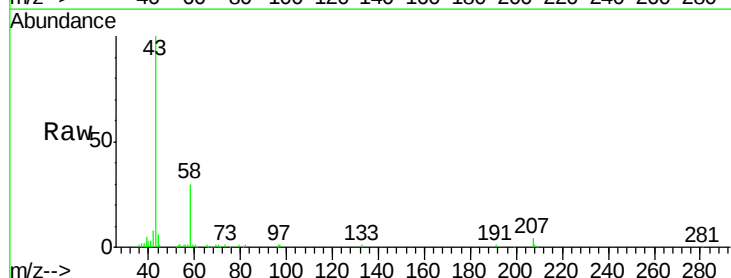
Acq: 04 Feb 2019 18:36

Tgt Ion: 43 Resp: 47865

Ion Ratio Lower Upper

43 100

58 30.7 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

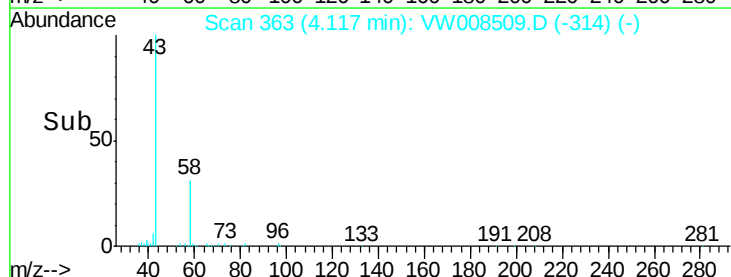
15000

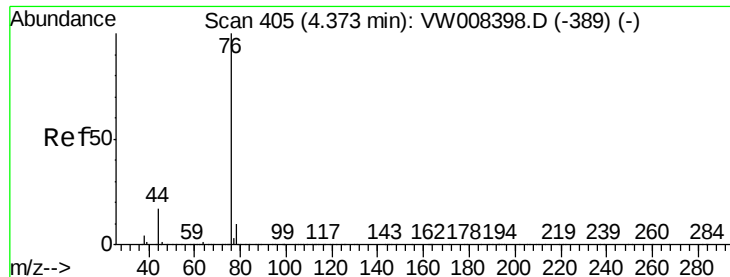
10000

5000

0

Time--> 4.00 4.10 4.20

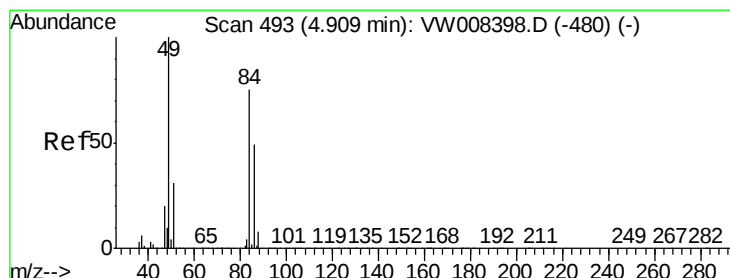
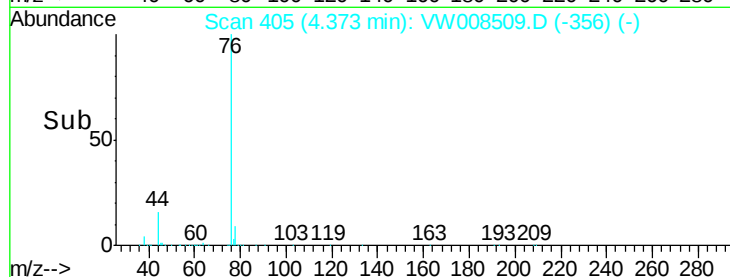
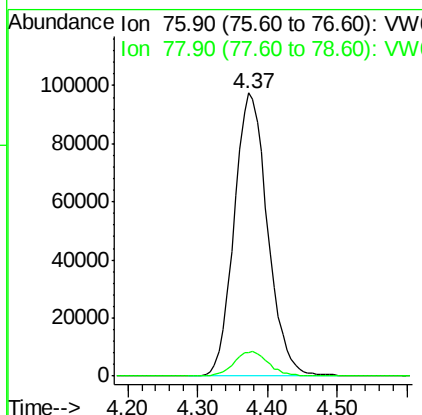
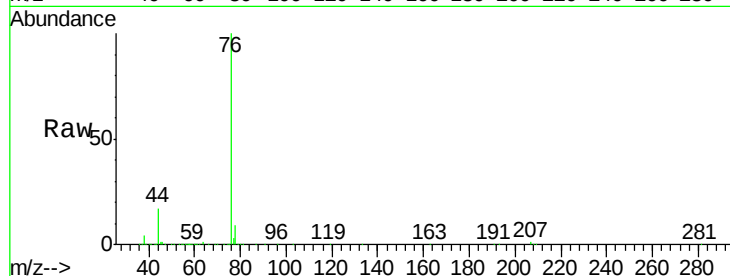




#17
Carbon Disulfide
Concen: 32.452 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

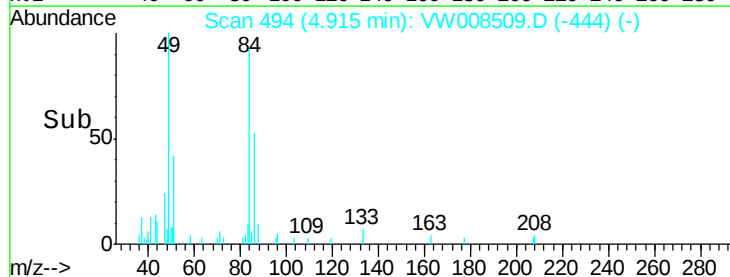
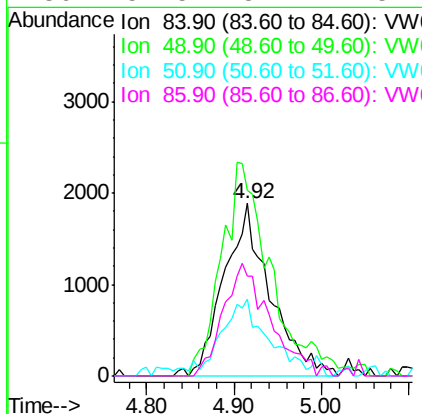
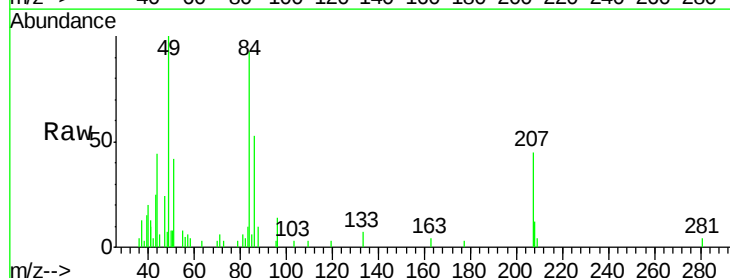
Instrument :
MSVOA_W
ClientSampleId :
0040-AMND-COMP-3

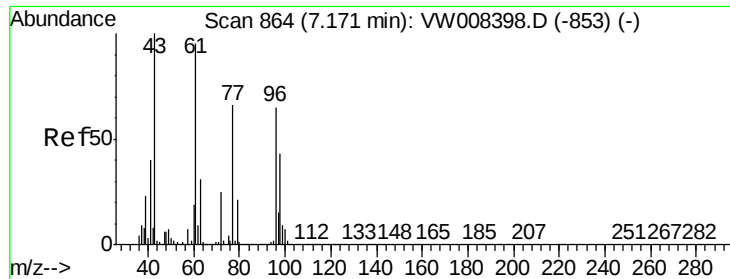
Tot Ion: 76 Resp: 32352
Ion Ratio Lower Upper
76 100
78 8.5 7.7 11.5



#20
Methylene Chloride
Concen: 1.979 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

Tgt Ion: 84 Resp: 6863
Ion Ratio Lower Upper
84 100
49 104.5 106.8 160.2#
51 41.6 32.9 49.3
86 57.5 52.2 78.2





#25

2-Butanone

Concen: 13.068 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008509.D

Acq: 04 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

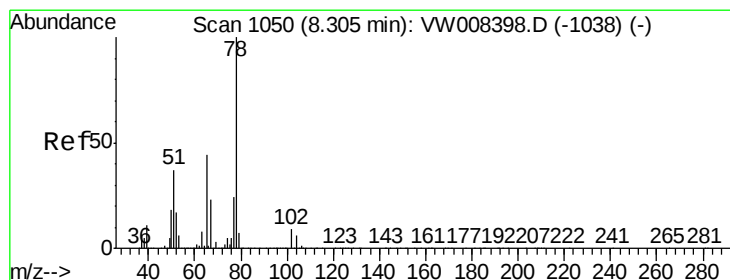
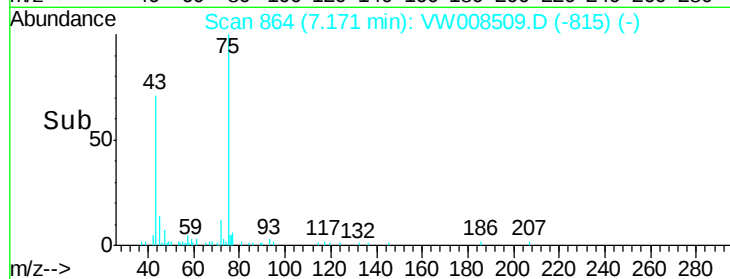
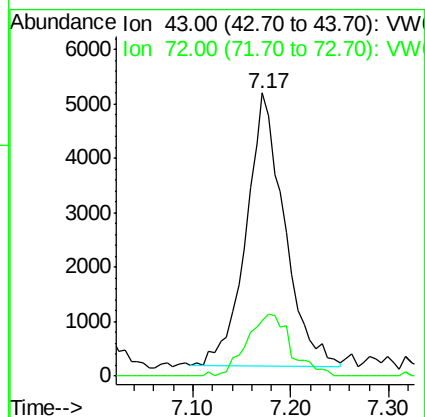
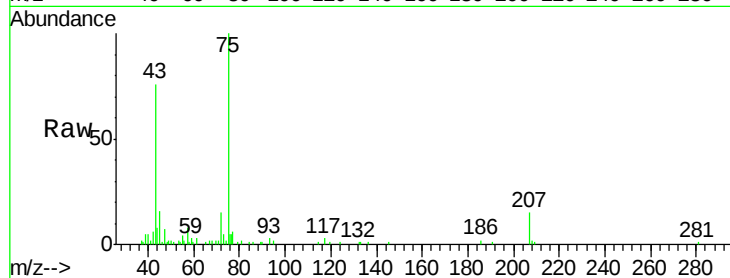
0040-AMND-COMP-3

Tot Ion: 43 Resp: 13657

Ion Ratio Lower Upper

43 100

72 20.5 20.1 30.1



#33

1,2-Dichloroethane-d4

Concen: 58.789 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008509.D

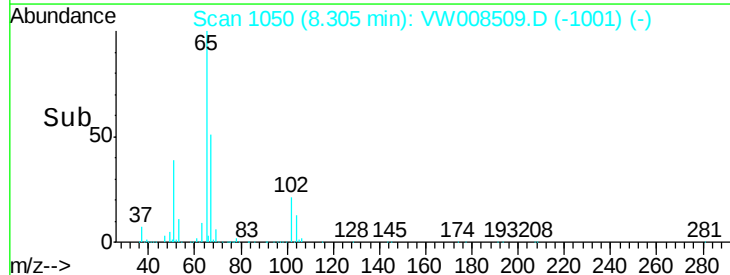
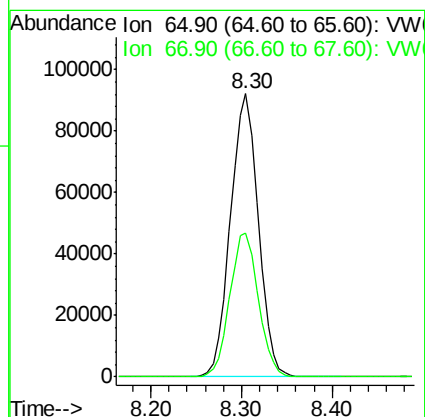
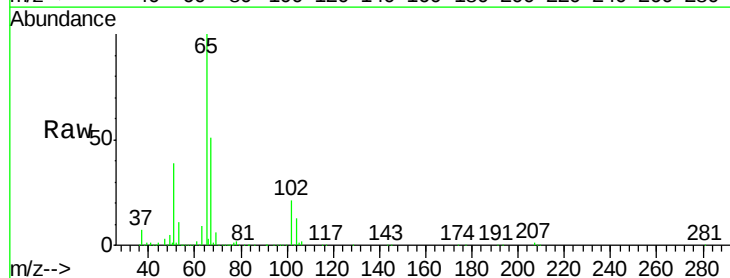
Acq: 04 Feb 2019 18:36

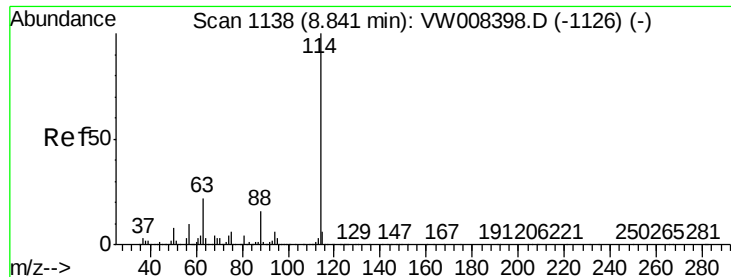
Tgt Ion: 65 Resp: 196975

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.0

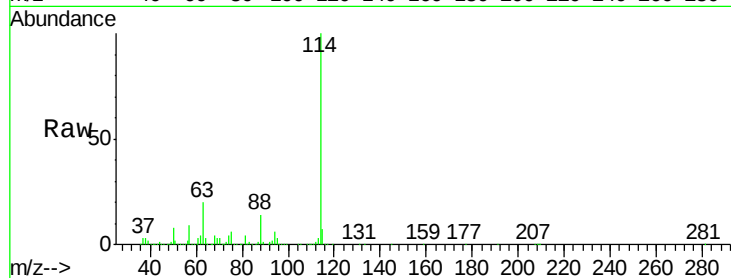




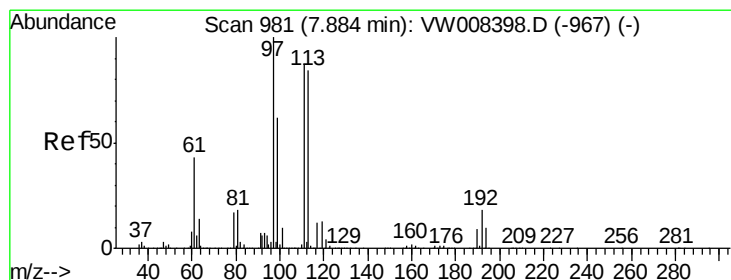
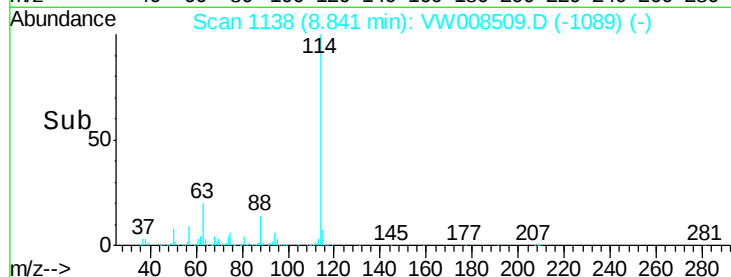
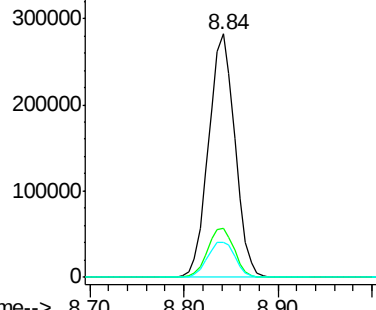
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

Instrument :
MSVOA_W
ClientSampleId :
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Tot Ion:114 Resp: 549980
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.6
88 14.3 0.0 31.8

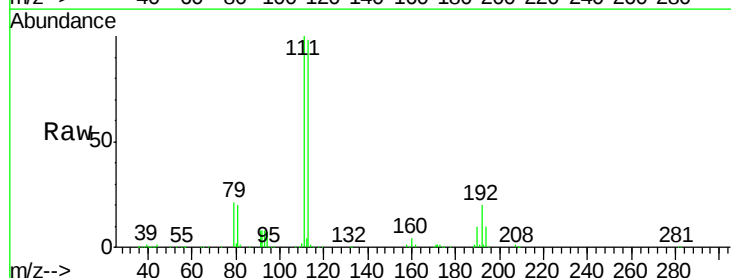


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VV
Ion 87.90 (87.60 to 88.60): VV

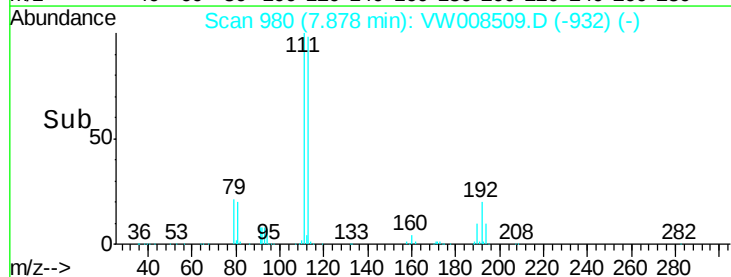
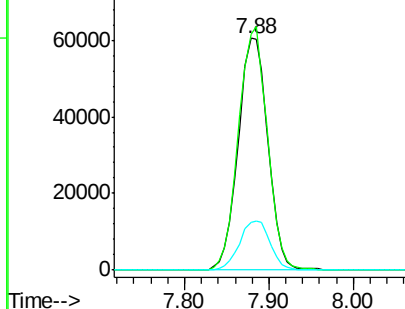


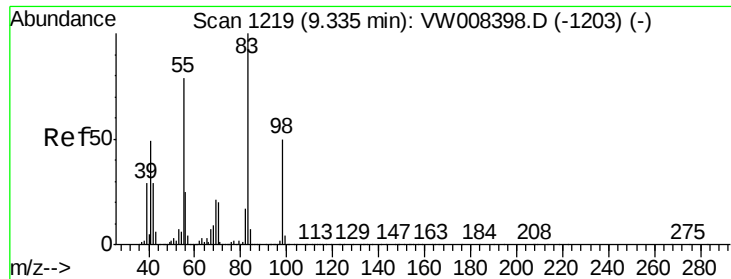
#35
Dibromofluoromethane
Concen: 44.671 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

Tgt Ion:113 Resp: 143657
Ion Ratio Lower Upper
113 100
111 102.2 81.0 121.4
192 21.7 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

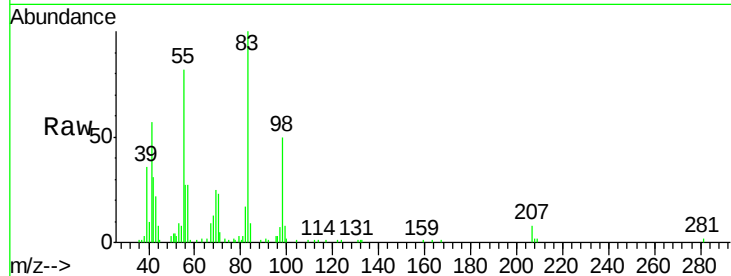




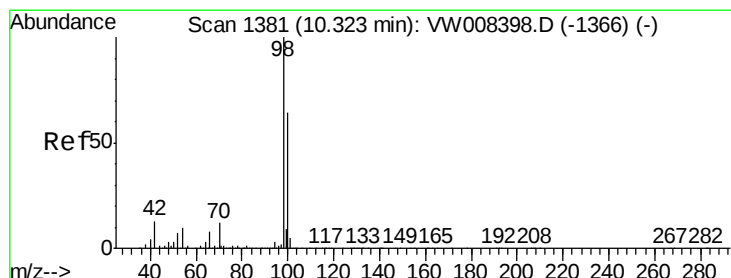
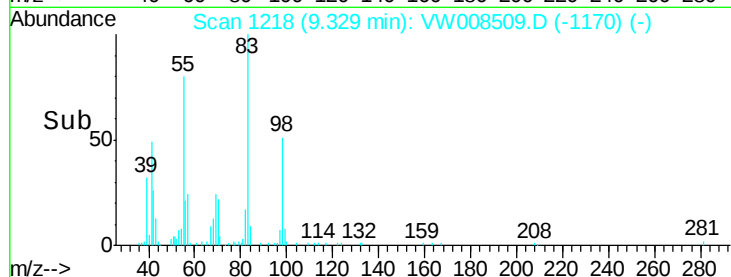
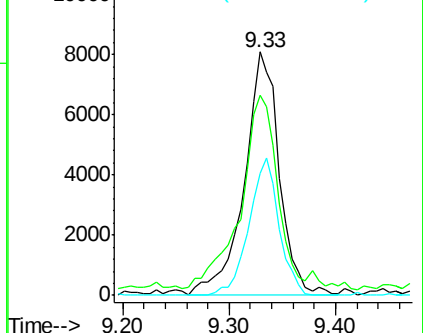
#39
Methvlcvclohexane
Concen: 2.743 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

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Tot Ion: 83 Resp: 18721
Ion Ratio Lower Upper
83 100
55 78.7 63.3 94.9
98 49.9 39.7 59.5

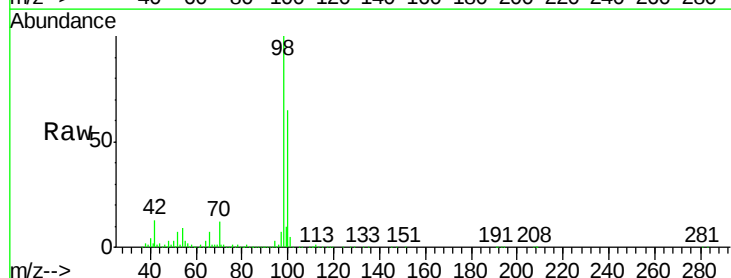


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

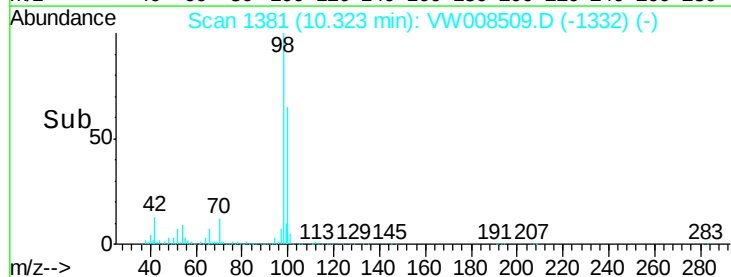
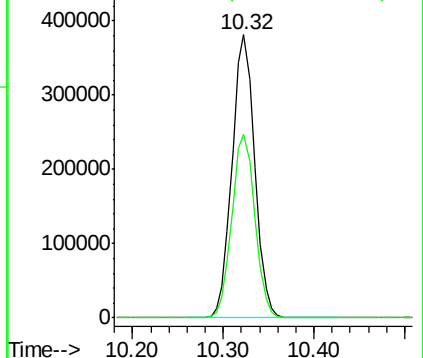


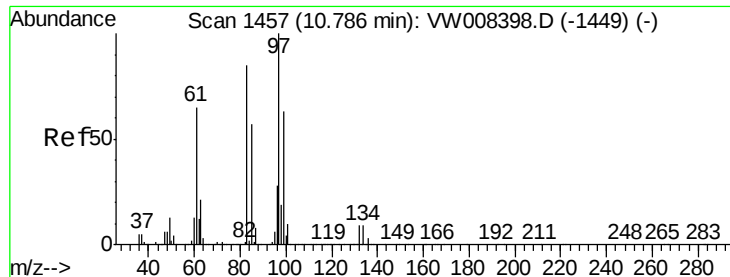
#50
Toluene-d8
Concen: 51.202 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

Tgt Ion: 98 Resp: 660294
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#55

1,1,2-Trichloroethane

Concen: 3.496 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW008509.D

Acq: 04 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

0040-AMND-COMP-3

Tot Ion: 97 Resp: 8965

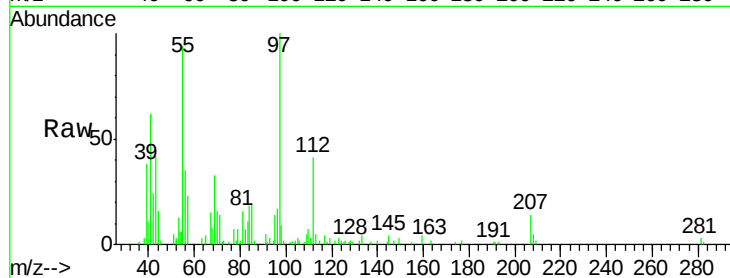
Ion Ratio Lower Upper

97 100

83 4.6 68.4 102.6#

85 13.7 45.3 67.9#

99 1.6 50.6 76.0#

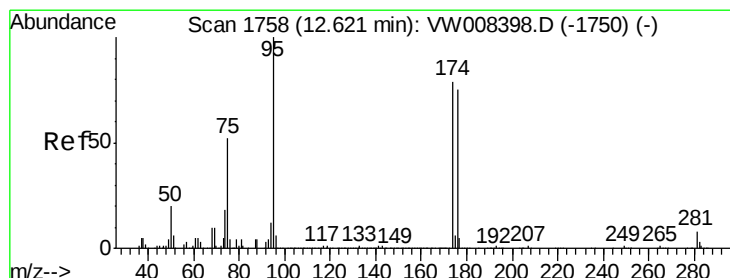
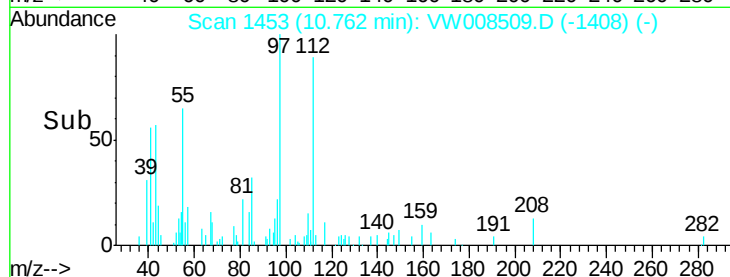
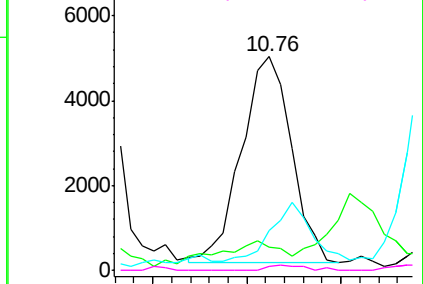


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#62

4-Bromofluorobenzene

Concen: 50.278 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008509.D

Acq: 04 Feb 2019 18:36

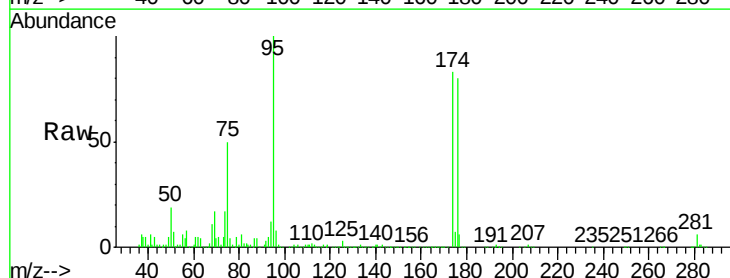
Tgt Ion: 95 Resp: 249227

Ion Ratio Lower Upper

95 100

174 82.2 0.0 157.6

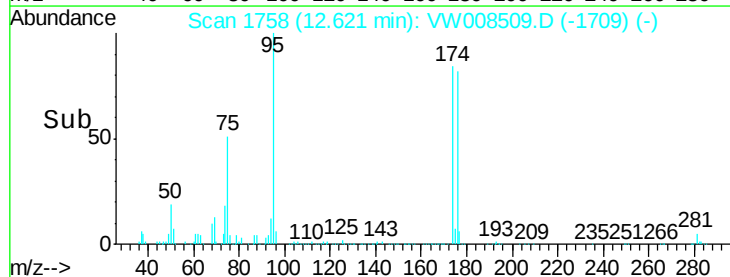
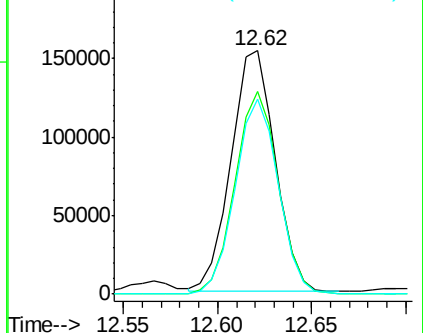
176 79.4 0.0 151.8

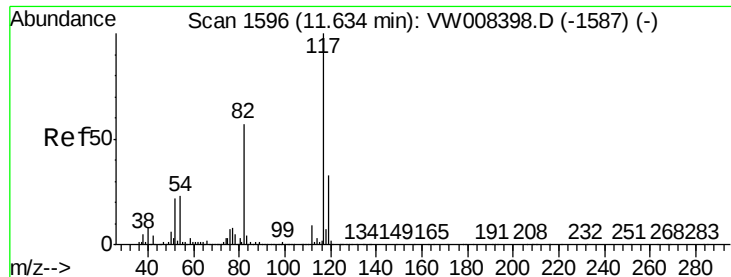


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

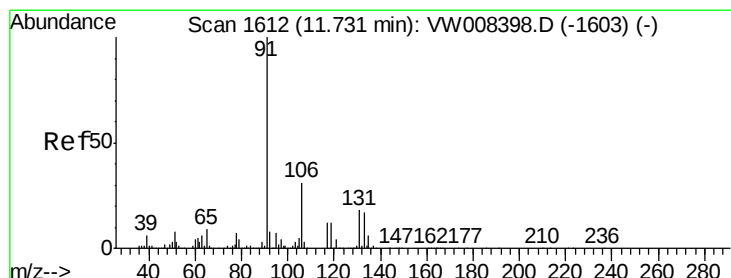
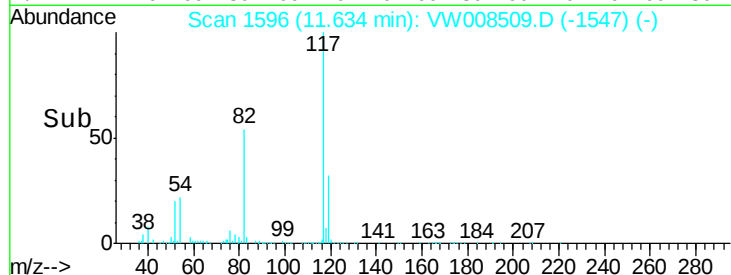
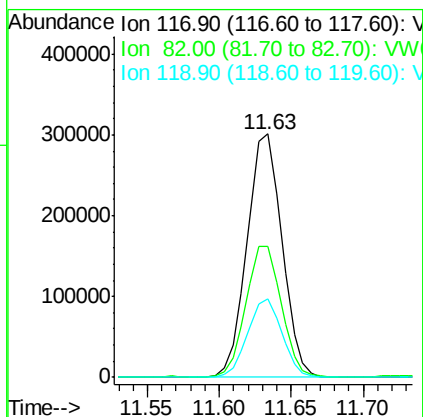
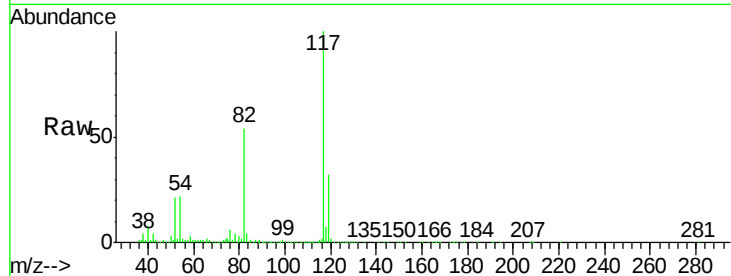




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

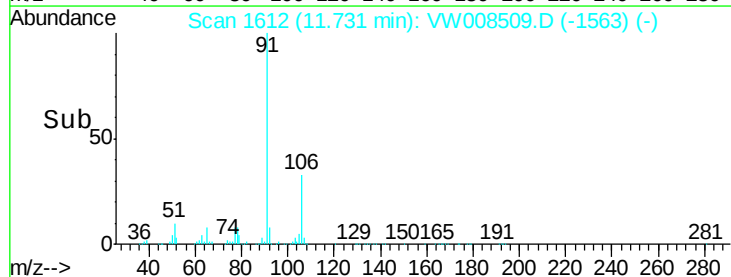
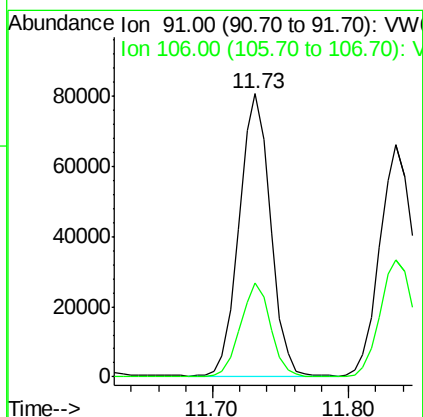
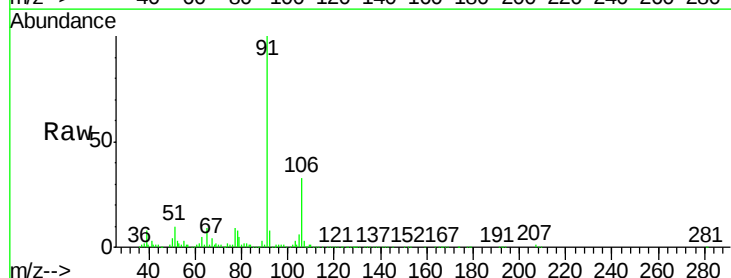
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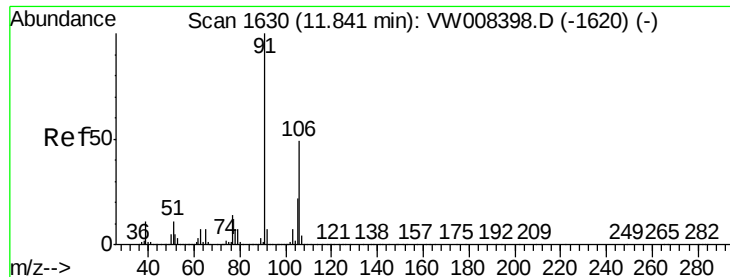
Tot Ion:117 Resp: 505250
Ion Ratio Lower Upper
117 100
82 53.4 45.4 68.0
119 32.2 26.2 39.4



#67
Ethyl Benzene
Concen: 6.789 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

Tgt Ion: 91 Resp: 128703
Ion Ratio Lower Upper
91 100
106 33.1 24.7 37.1

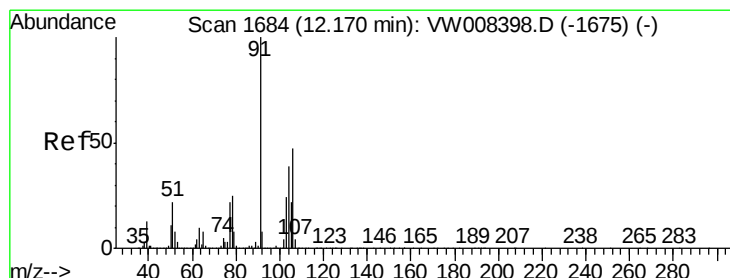
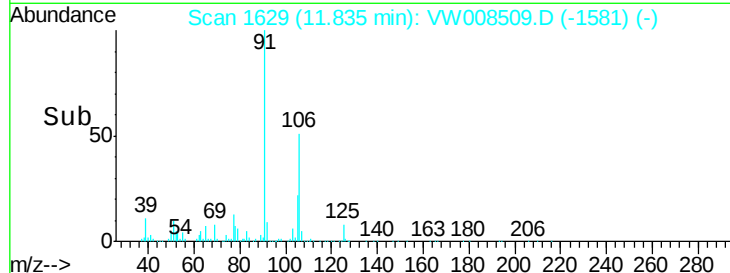
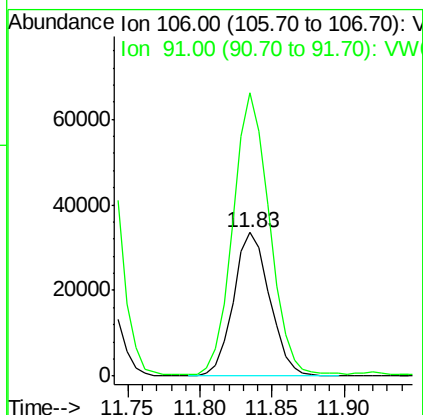
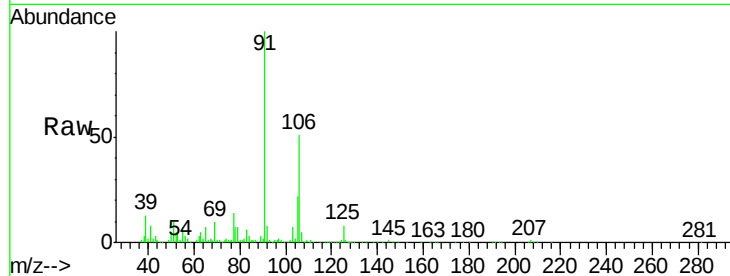




#68
m/p-Xylenes
Concen: 7.972 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

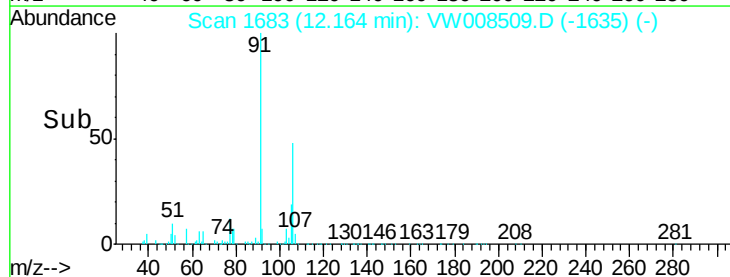
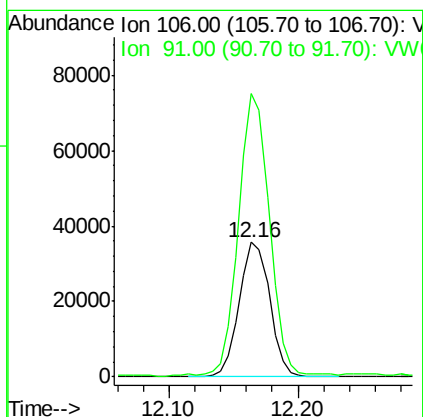
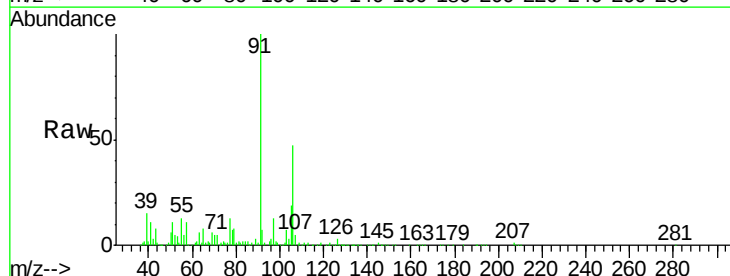
Instrument :
MSVOA_W
ClientSampleId :
0040-AMND-COMP-3

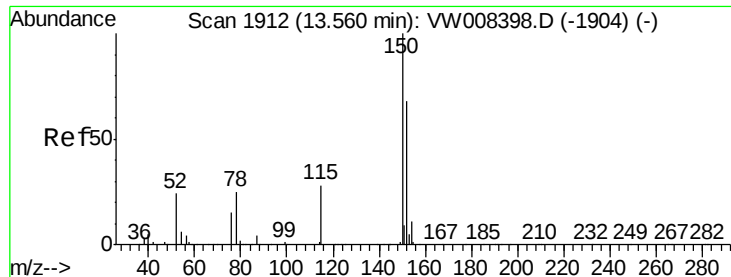
Tot Ion:106 Resp: 58641
Ion Ratio Lower Upper
106 100
91 197.6 162.9 244.3



#69
o-Xylene
Concen: 8.430 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

Tgt Ion:106 Resp: 58922
Ion Ratio Lower Upper
106 100
91 210.6 107.5 322.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008509.D

Acq: 04 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

0040-AMND-COMP-3

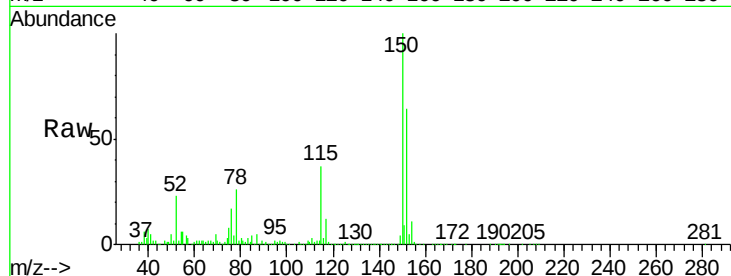
Tot Ion:152 Resp: 240892

Ion Ratio Lower Upper

152 100

115 58.4 29.9 89.7

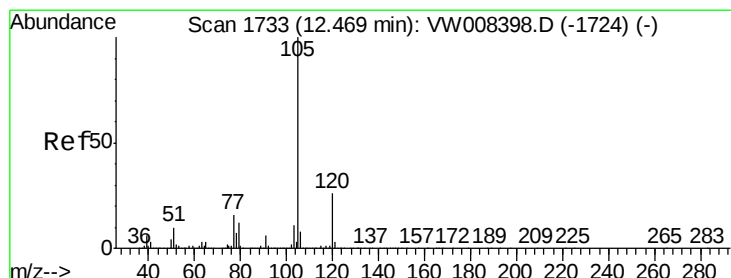
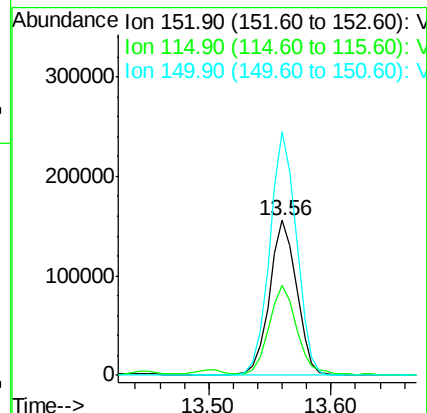
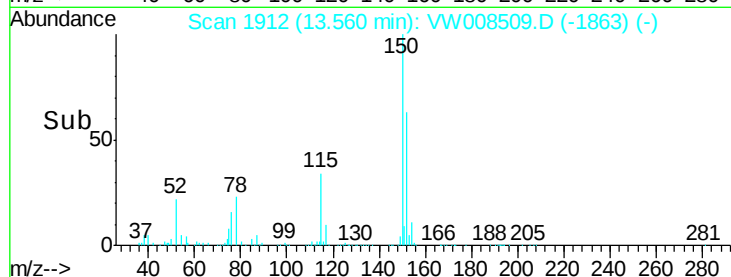
150 154.7 0.0 351.4



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



#73

Isopropylbenzene

Concen: 5.361 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008509.D

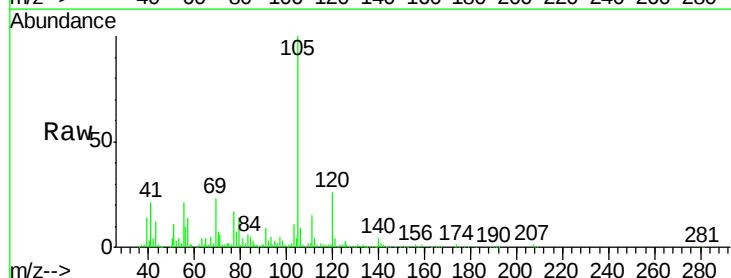
Acq: 04 Feb 2019 18:36

Tgt Ion:105 Resp: 96274

Ion Ratio Lower Upper

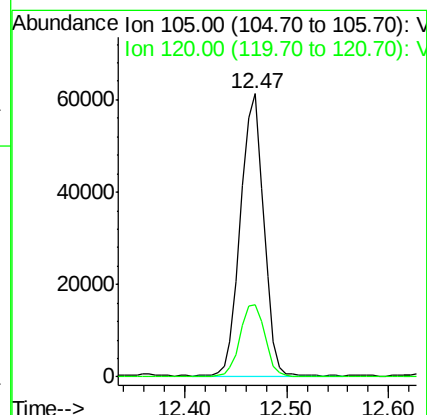
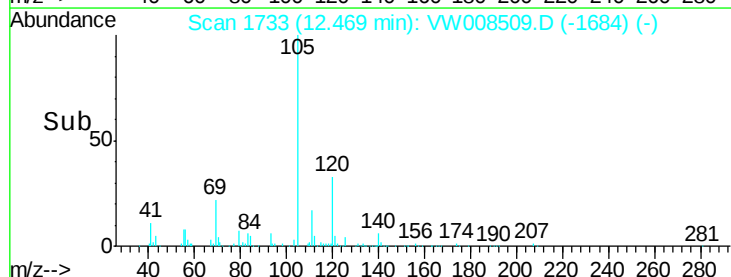
105 100

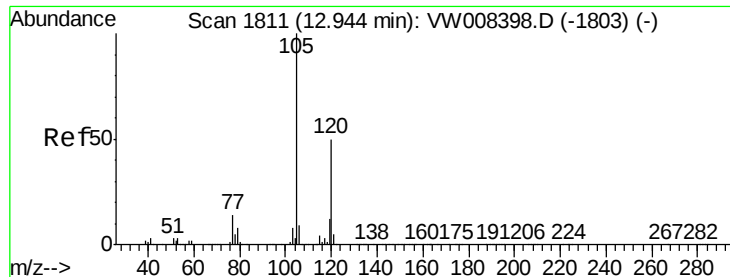
120 27.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

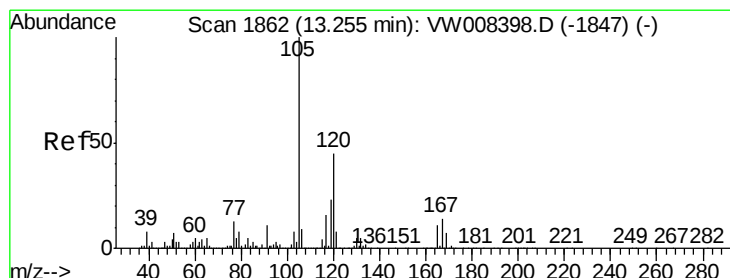
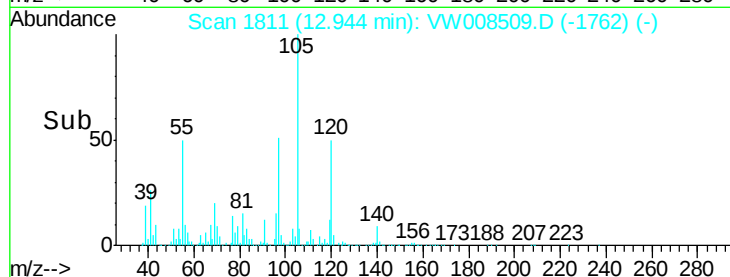
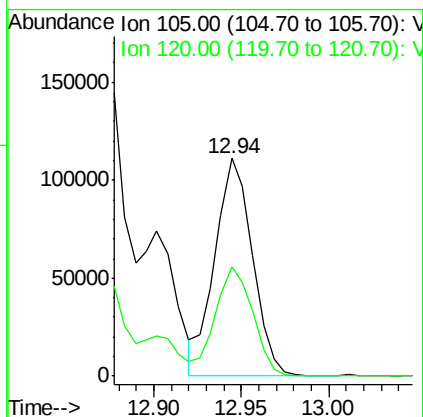
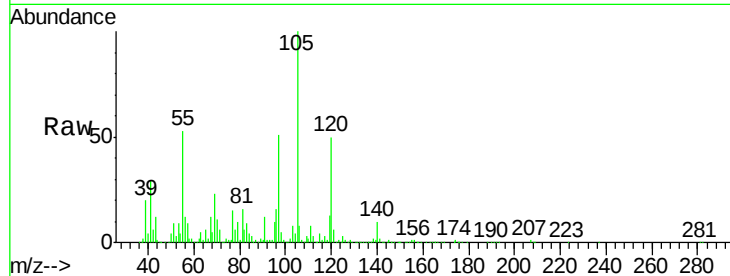




#80
 1,3,5-Trimethylbenzene
 Concen: 11.030 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008509.D
 Acq: 04 Feb 2019 18:36

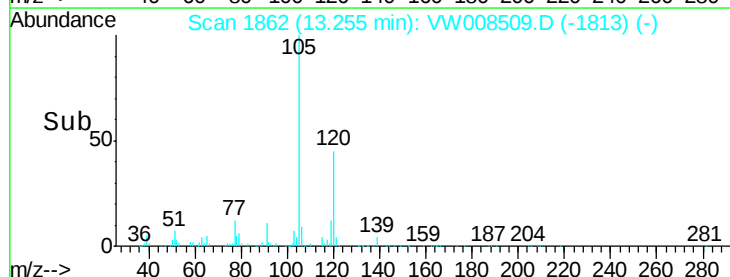
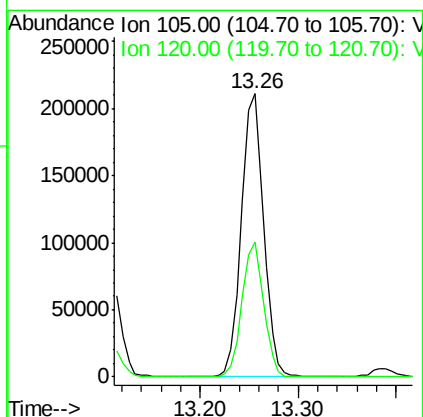
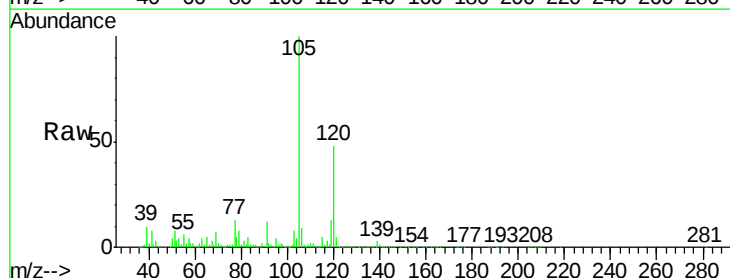
Instrument :
 MSVOA_W
 ClientSampleId :
 0040-AMND-COMP-3

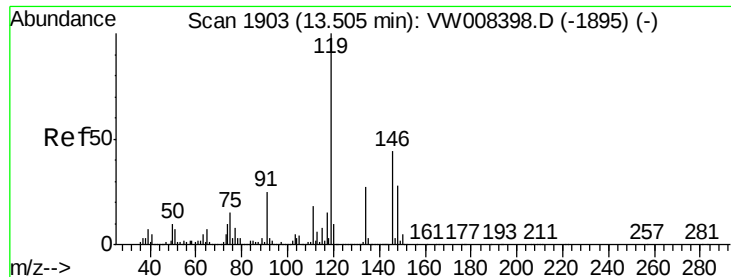
Tot Ion:105 Resp: 165573
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.798 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008509.D
 Acq: 04 Feb 2019 18:36

Tgt Ion:105 Resp: 332572
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.1 69.2

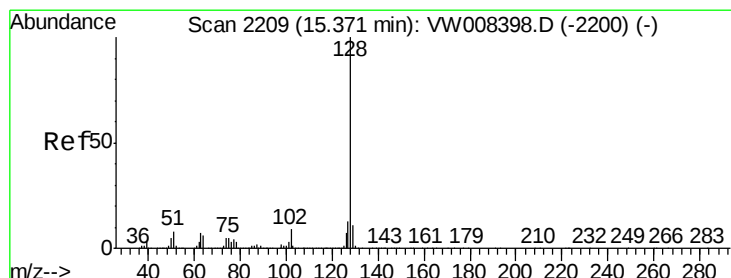
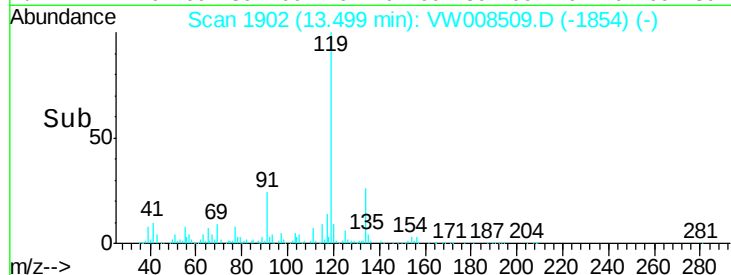
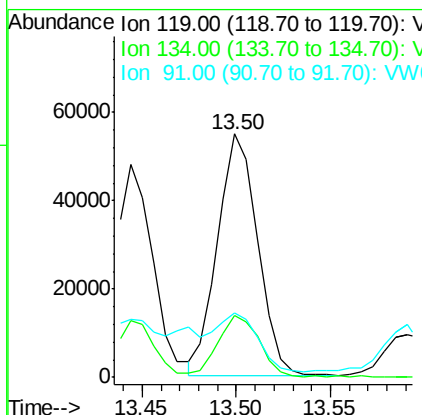
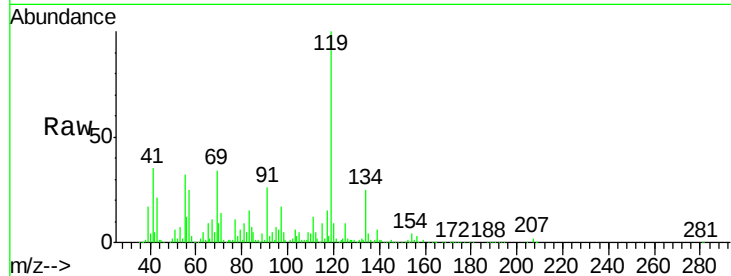




#86
p-Isopropyltoluene
Concen: 4.856 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

Instrument :
MSVOA_W
ClientSampleId :
0040-AMND-COMP-3

Tot Ion:119 Resp: 81142
Ion Ratio Lower Upper
119 100
134 25.7 13.4 40.2
91 25.9 12.6 37.6



#95
Naphthalene
Concen: 595.515 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008509.D
Acq: 04 Feb 2019 18:36

Tgt Ion:128 Resp: 5229706
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.0 8.7 13.1

