

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112219\
 Data File : VN059361.D
 Acq On : 22 Nov 2019 13:57
 Operator : JC/SP
 Sample : K5957-11
 Misc : 2.53g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5-(12-14)

Quant Time: Nov 22 15:41:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	342928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	528077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	455643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	167596	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	197728	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
35) Dibromofluoromethane	7.57	113	154883	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	10.08	98	637947	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	203809	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	

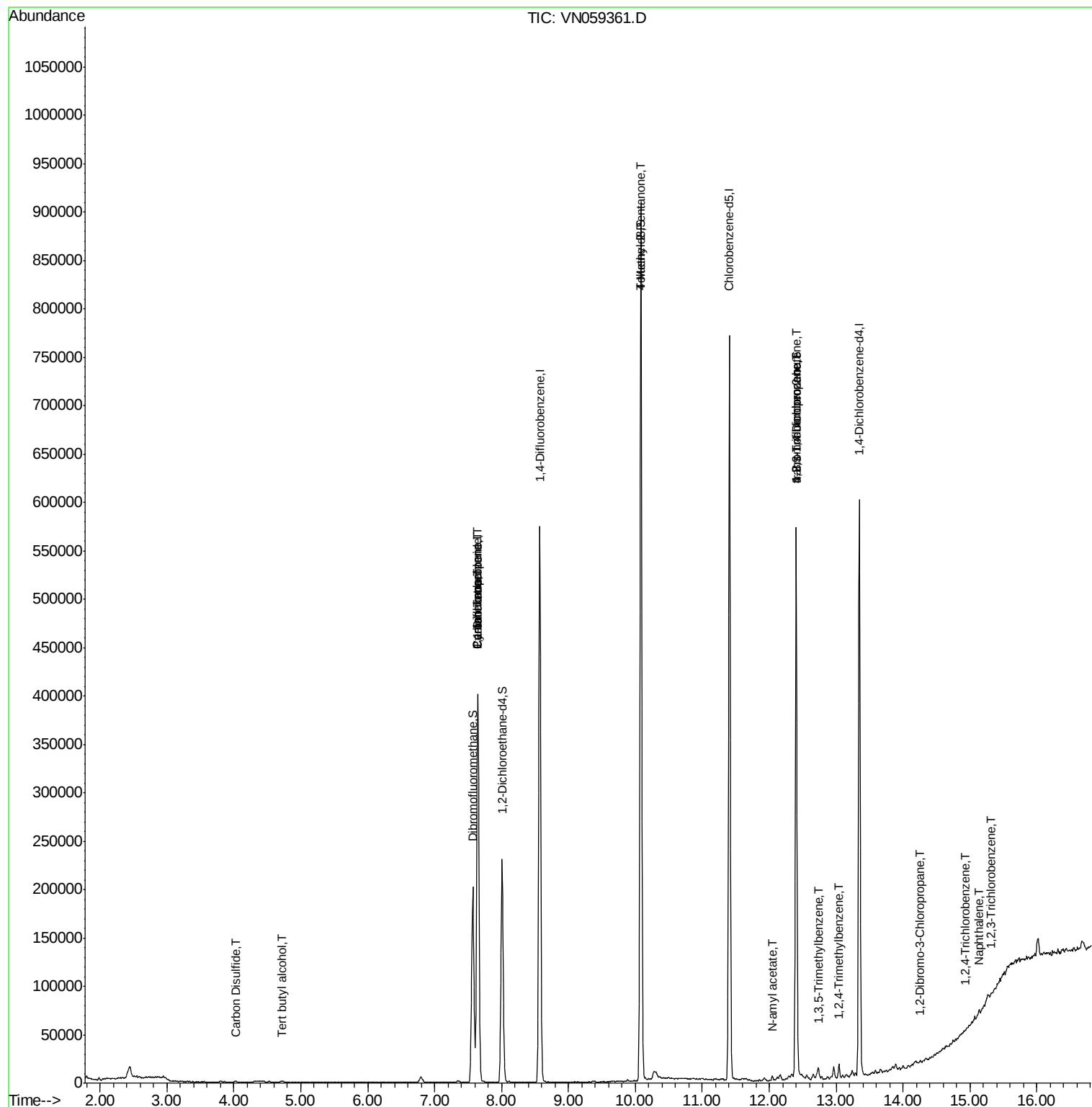
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	233	0.283	ug/l #	73
17) Carbon Disulfide	4.02	76	1005	0.226	ug/l #	75
31) Cyclohexane	7.64	56	6134	0.847	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	24813	4.552	ug/l #	50
38) Carbon Tetrachloride	7.65	117	31797	6.093	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	2342	0.447	ug/l #	1
74) N-amyl acetate	12.05	43	1751	0.317	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	97969	25.303	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3197	0.277	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	97969	63.286	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.04	105	7998	0.707	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	507	0.525	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	179	2.986	ug/l #	3
95) Naphthalene	15.14	128	741	3.238	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	307	1.986	ug/l #	17

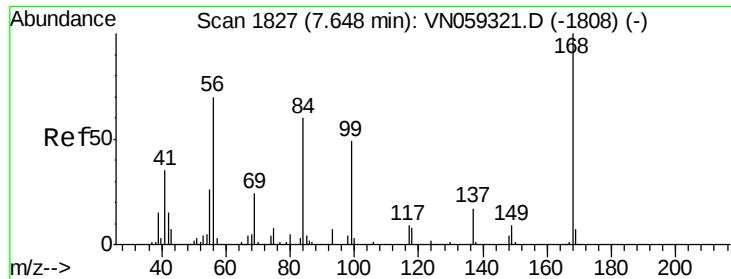
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN112219\
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Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059361.D

Acq: 22 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

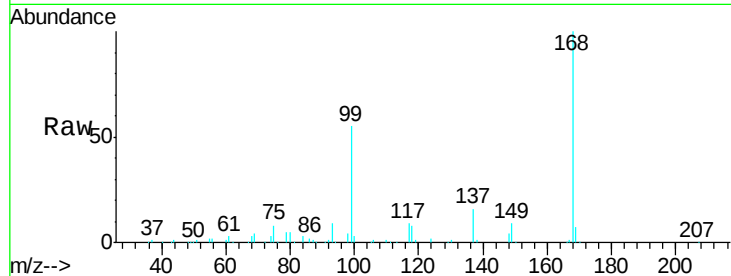
MW-5-(12-14)

Tgt Ion:168 Resp: 342928

Ion Ratio Lower Upper

168 100

99 54.6 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059361.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN059361.D (-1734) (-)

7.64

150000

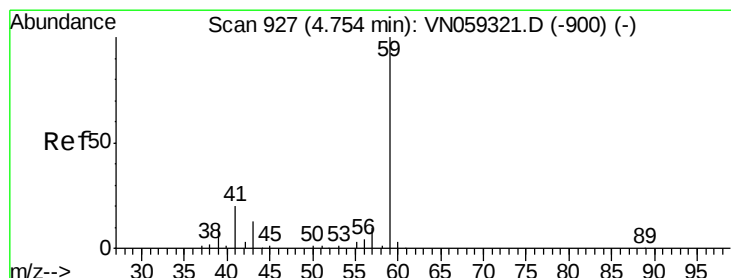
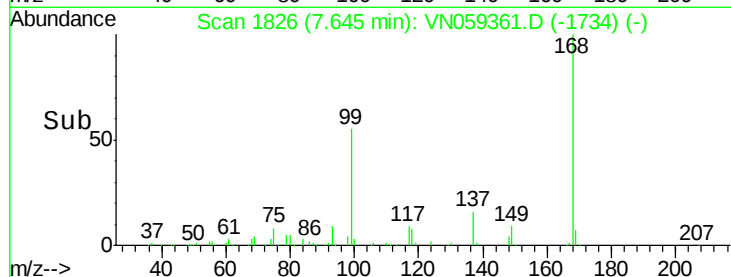
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.283 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.03 min

Lab File: VN059361.D

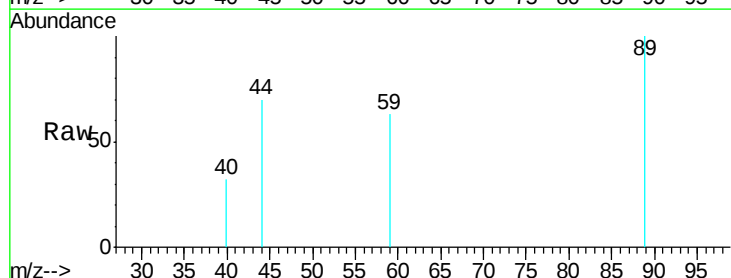
Acq: 22 Nov 2019 13:57

Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN059361.D (-834) (-)

Ion 57.00 (56.70 to 57.70): VN059361.D (-834) (-)

4.72

500

400

300

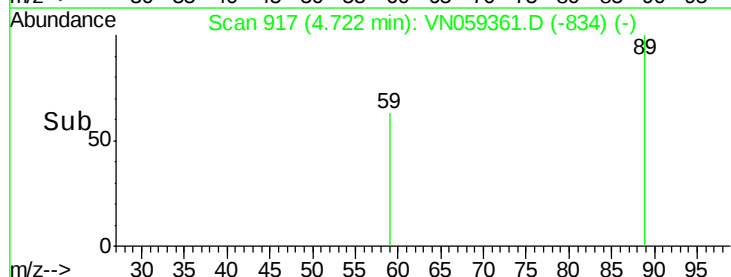
200

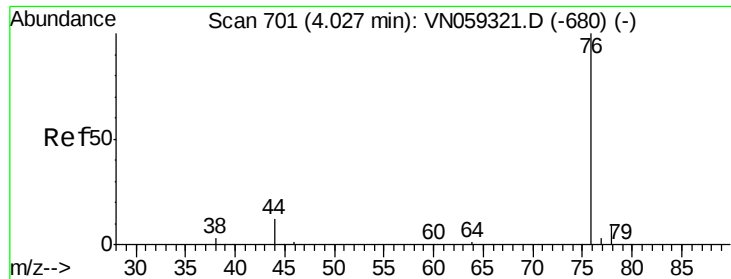
100

0

4.71 4.72 4.73 4.74

Time-->

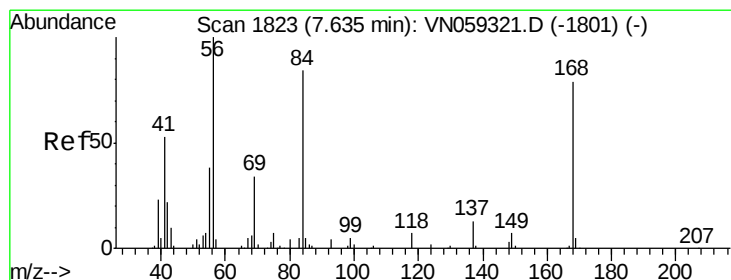
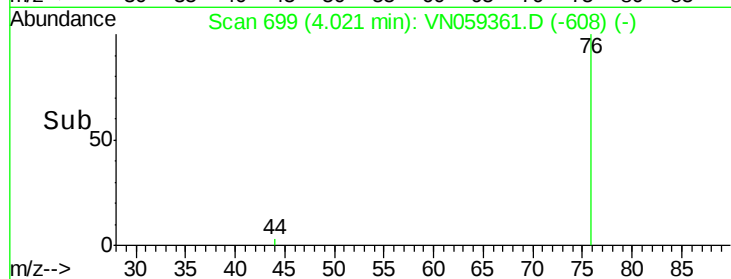
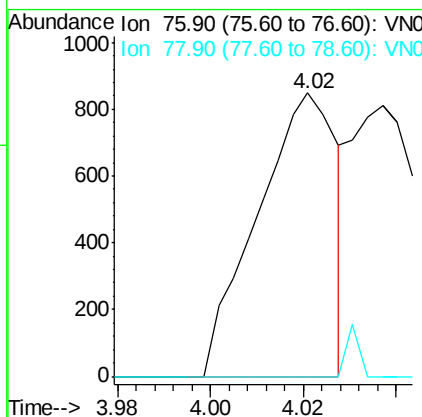
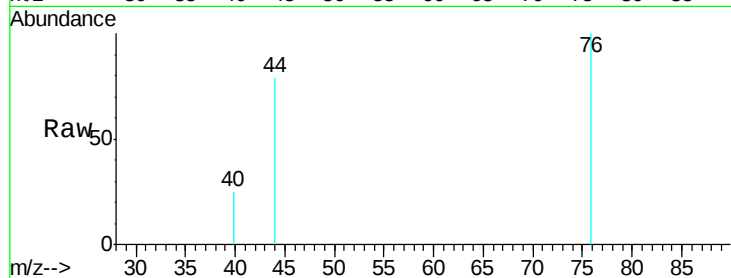




#17
Carbon Disulfide
Concen: 0.226 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN059361.D
Acq: 22 Nov 2019 13:57

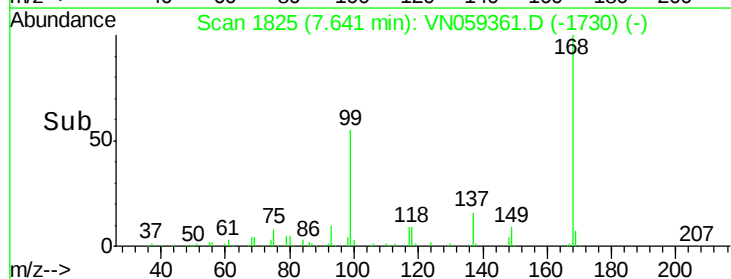
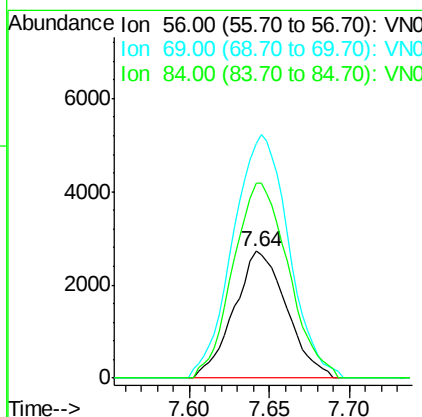
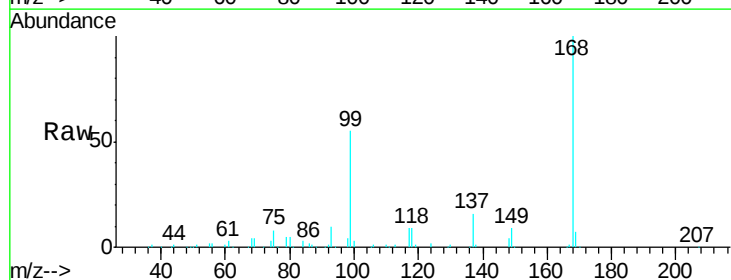
Instrument :
MSVOA_N
ClientSampleId :
MW-5-(12-14)

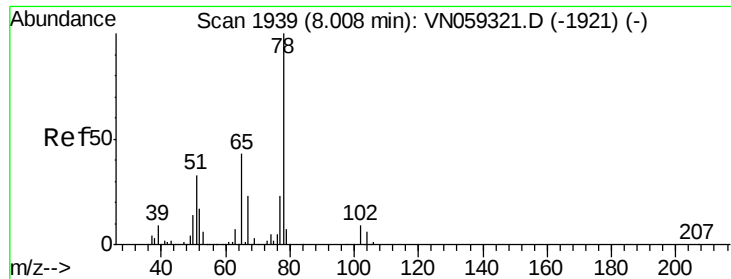
Tgt Ion: 76 Resp: 1005
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#31
Cyclohexane
Concen: 0.847 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059361.D
Acq: 22 Nov 2019 13:57

Tgt Ion: 56 Resp: 6134
Ion Ratio Lower Upper
56 100
69 184.8 26.6 40.0#
84 153.5 67.0 100.4#

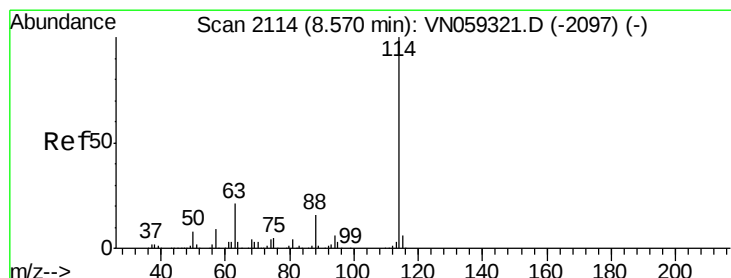
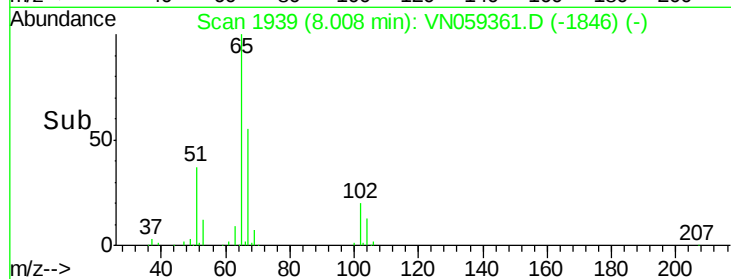
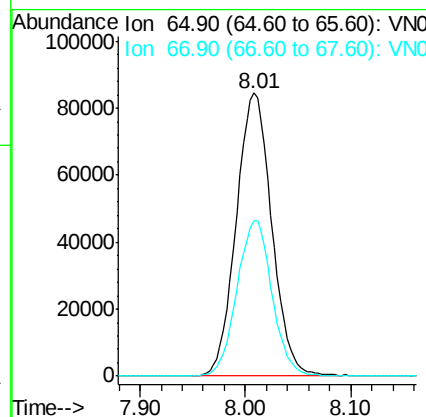
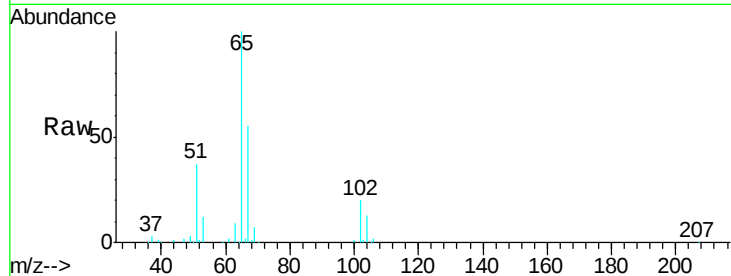




#33
 1,2-Dichloroethane-d4
 Concen: 48.055 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059361.D
 Acq: 22 Nov 2019 13:57

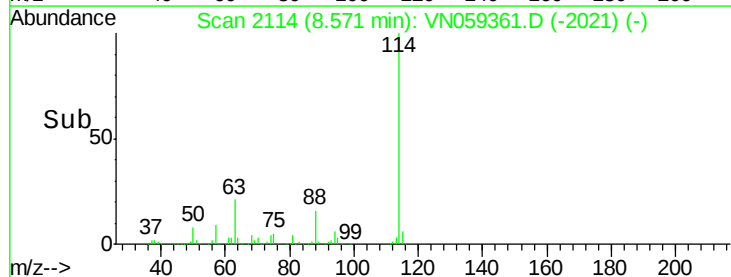
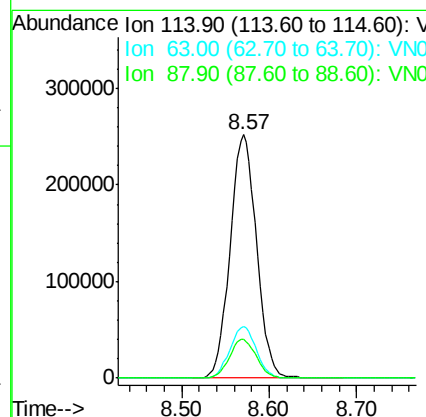
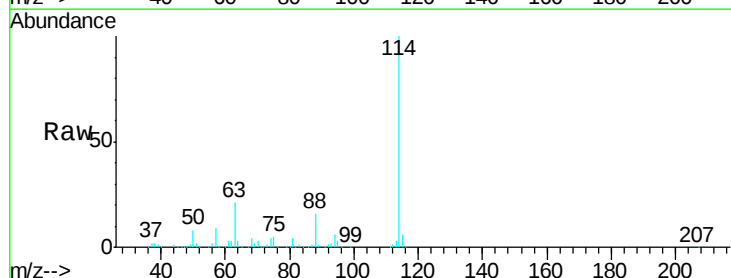
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5-(12-14)

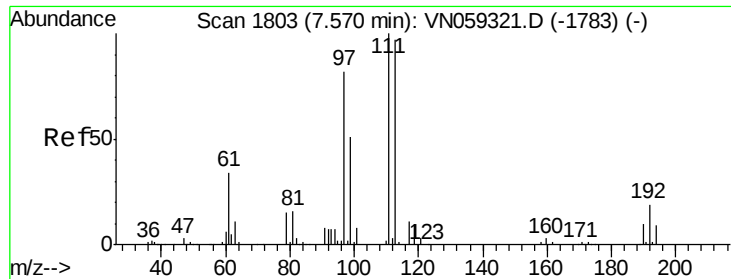
Tgt Ion: 65 Resp: 197728
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059361.D
 Acq: 22 Nov 2019 13:57

Tgt Ion: 114 Resp: 528077
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.2
 88 15.9 0.0 32.2

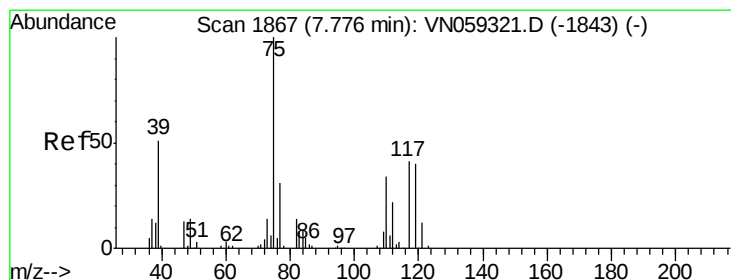
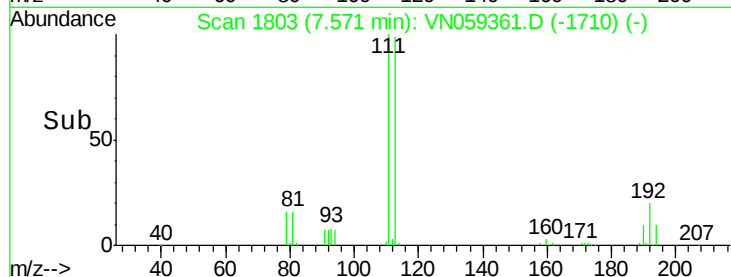
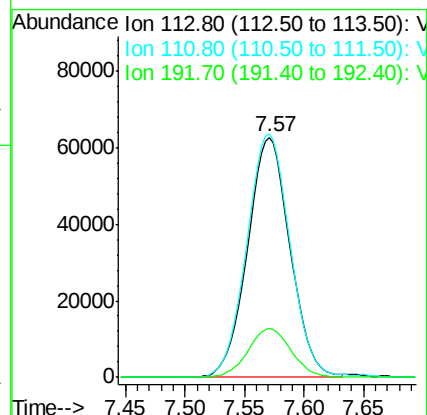
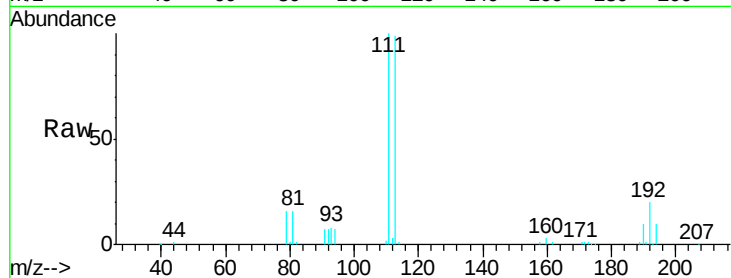




#35
 Dibromofluoromethane
 Concen: 48.887 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059361.D
 Acq: 22 Nov 2019 13:57

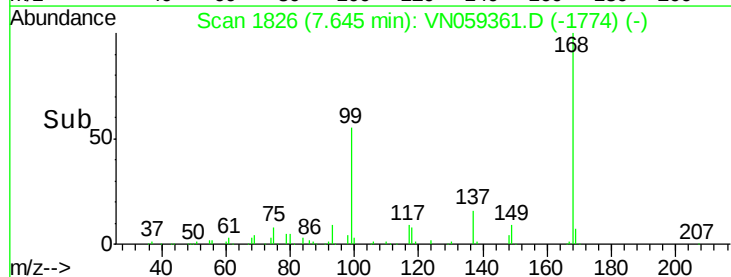
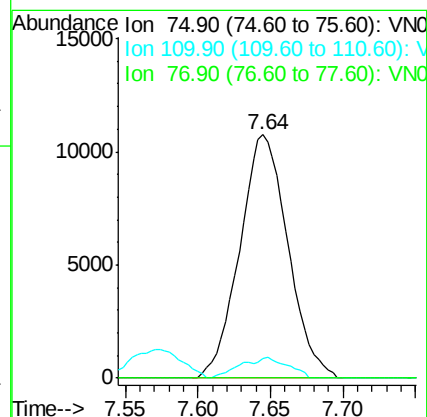
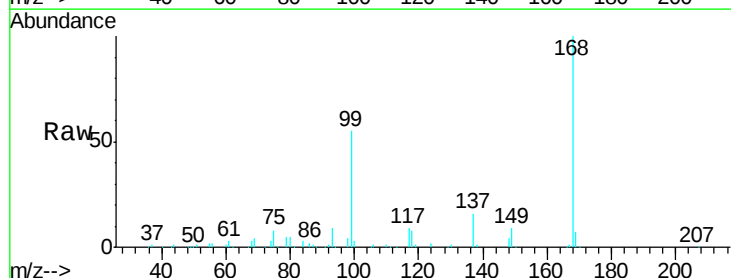
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5-(12-14)

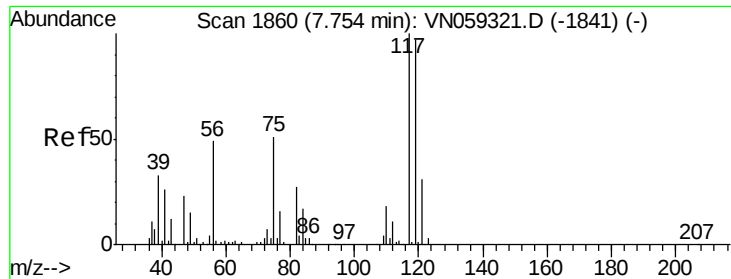
Tgt Ion:113 Resp: 154883
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 20.7 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 4.552 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059361.D
 Acq: 22 Nov 2019 13:57

Tgt Ion: 75 Resp: 24813
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.0 51.0#
 77 0.0 24.8 37.2#

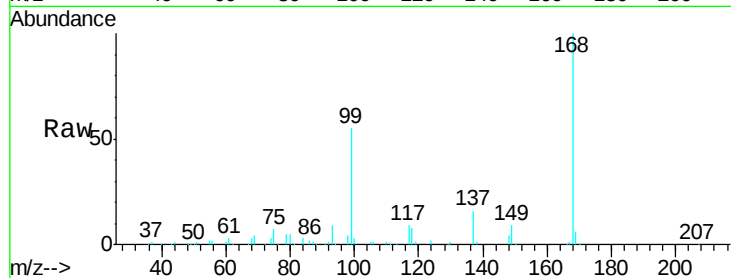




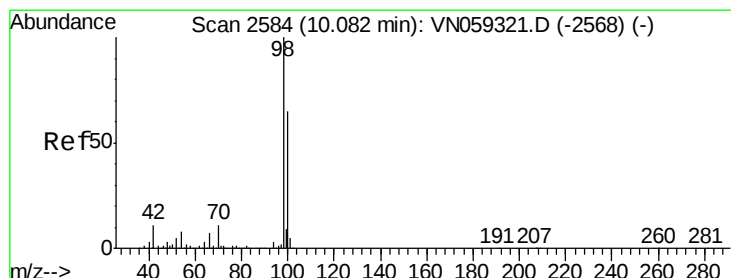
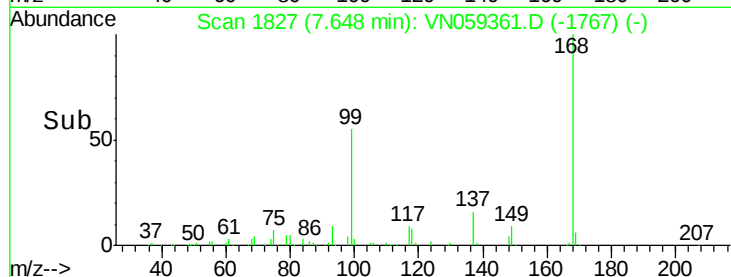
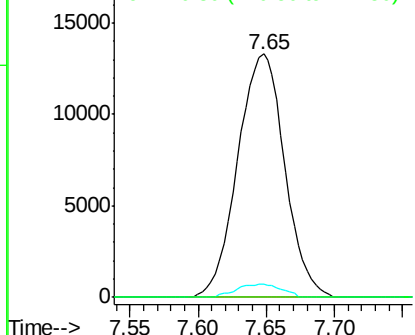
#38
Carbon Tetrachloride
Concen: 6.093 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN059361.D
Acq: 22 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
MW-5-(12-14)

Tgt Ion:117 Resp: 31797
Ion Ratio Lower Upper
117 100
119 5.4 77.0 115.4#
121 0.0 24.4 36.6#

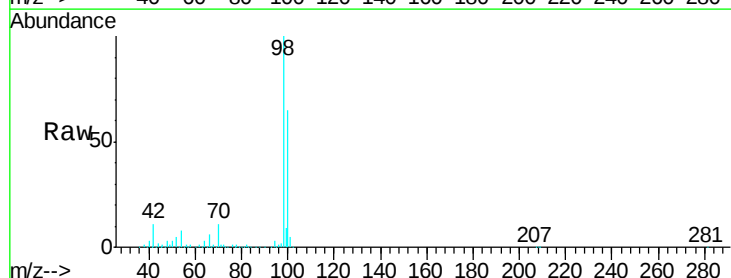


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

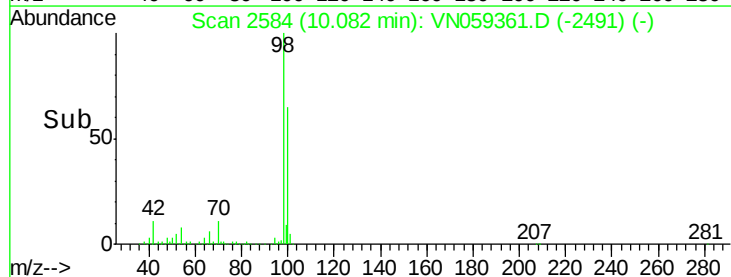
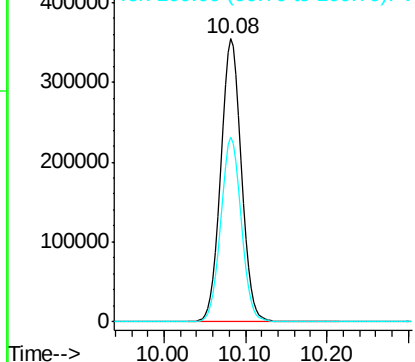


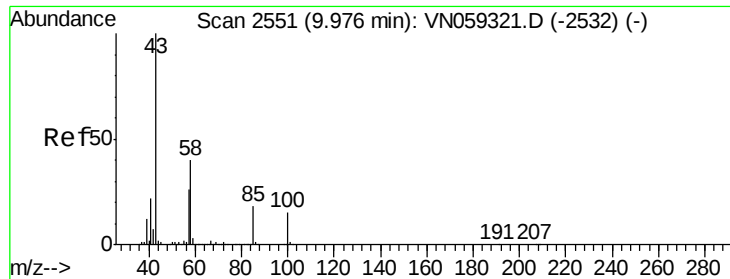
#50
Toluene-d8
Concen: 50.651 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059361.D
Acq: 22 Nov 2019 13:57

Tgt Ion: 98 Resp: 637947
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



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

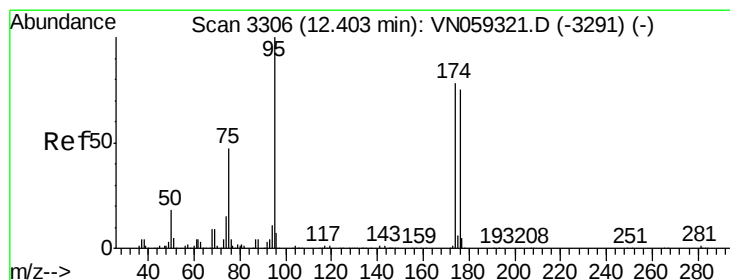
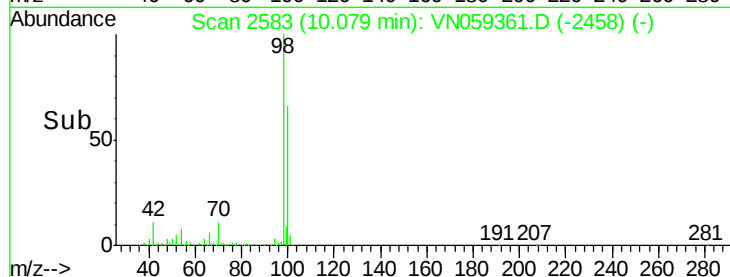
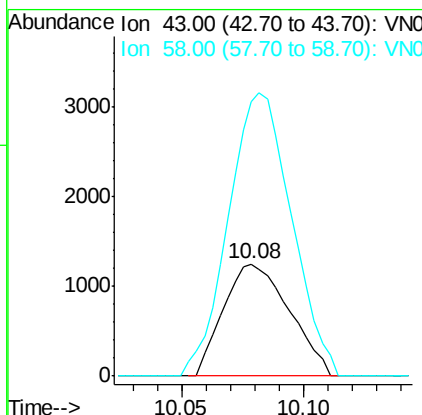
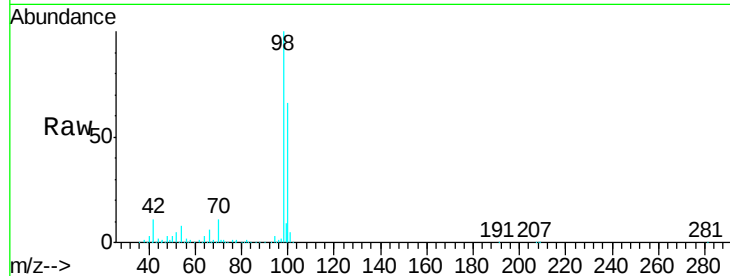




#51
 4-Methyl-2-Pentanone
 Concen: 0.447 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.10 min
 Lab File: VN059361.D
 Acq: 22 Nov 2019 13:57

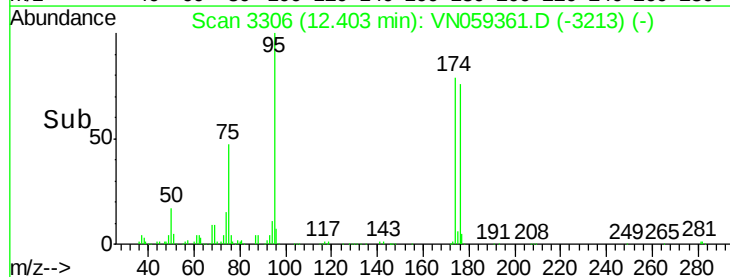
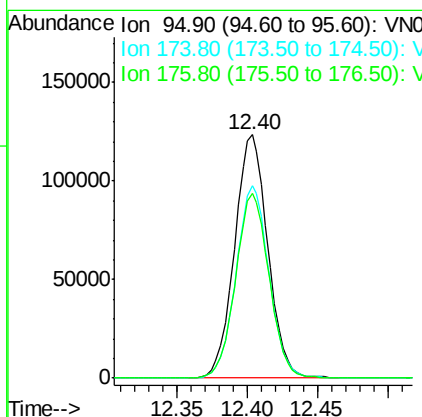
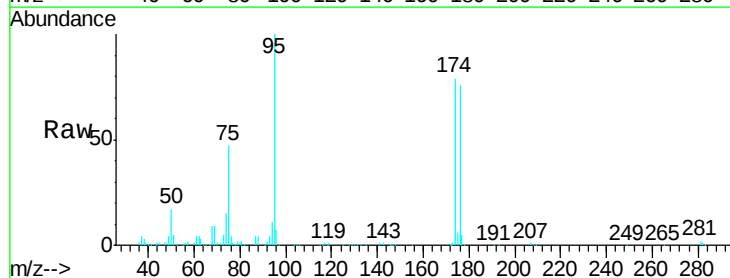
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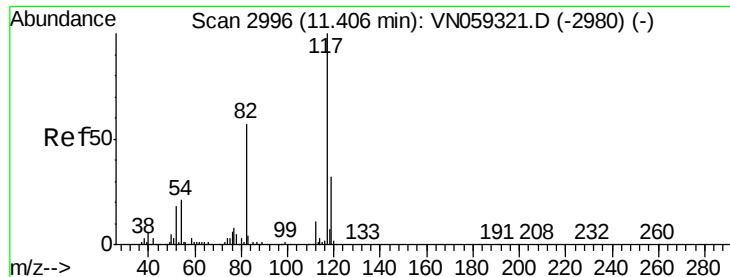
Tgt Ion: 43 Resp: 2342
 Ion Ratio Lower Upper
 43 100
 58 241.3 31.8 47.8#



#62
 4-Bromofluorobenzene
 Concen: 46.280 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059361.D
 Acq: 22 Nov 2019 13:57

Tgt Ion: 95 Resp: 203809
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 157.4
 176 76.8 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059361.D

Acq: 22 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

MW-5-(12-14)

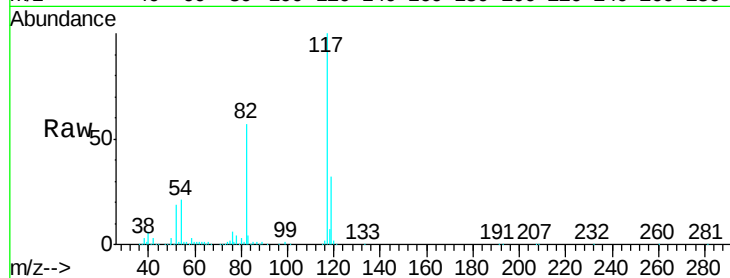
Tgt Ion:117 Resp: 455643

Ion Ratio Lower Upper

117 100

82 56.7 45.7 68.5

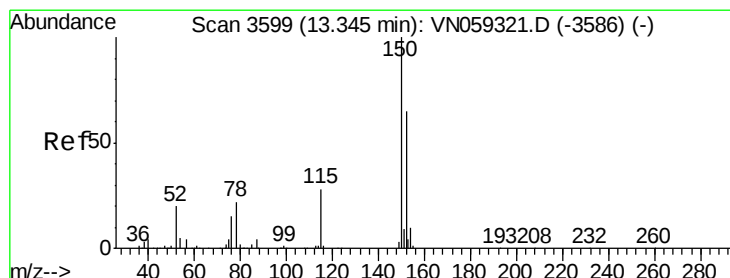
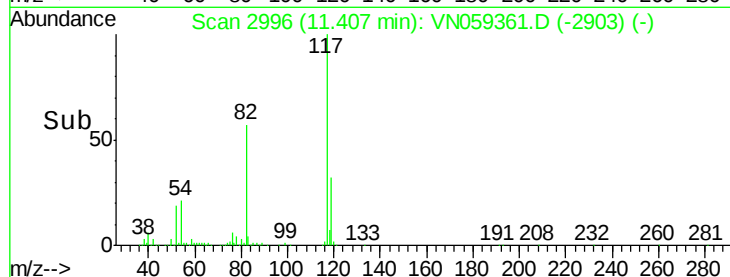
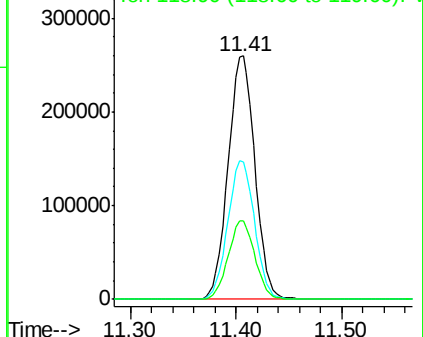
119 32.0 25.8 38.6



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059361.D

Acq: 22 Nov 2019 13:57

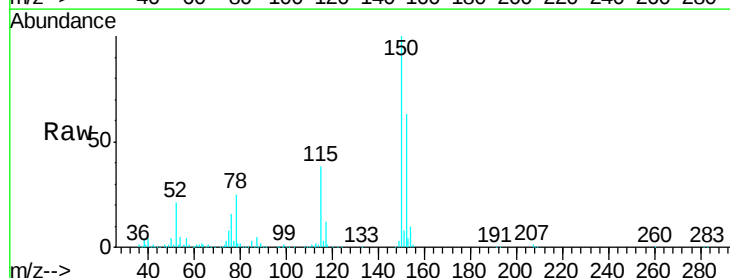
Tgt Ion:152 Resp: 167596

Ion Ratio Lower Upper

152 100

115 58.9 29.3 88.0

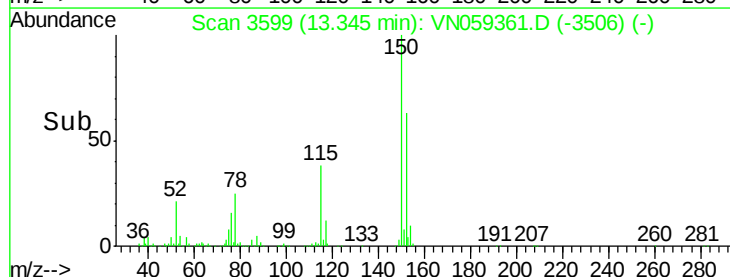
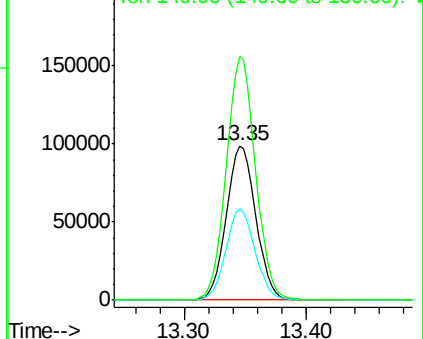
150 156.5 0.0 346.0

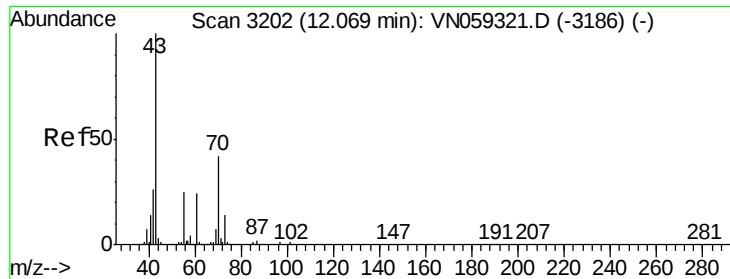


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.317 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN059361.D

Acq: 22 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

MW-5-(12-14)

Tgt Ion: 43 Resp: 1751

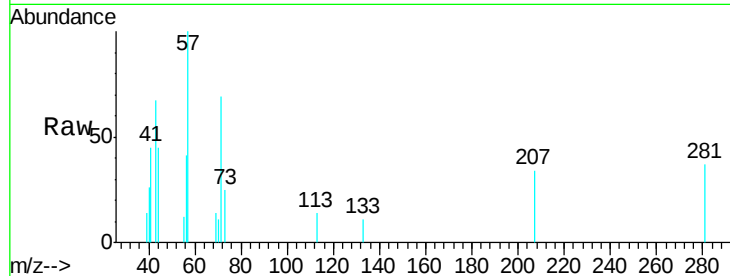
Ion Ratio Lower Upper

43 100

70 1.7 33.8 50.6#

55 10.7 20.3 30.5#

61 0.0 19.9 29.9#

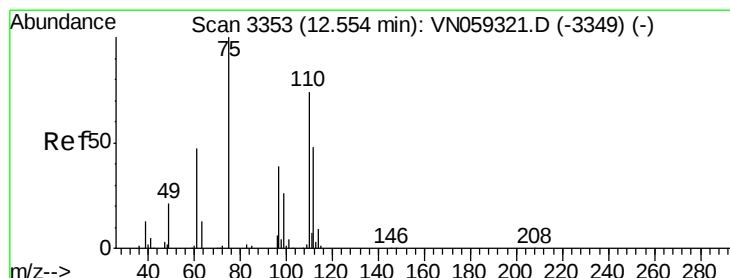
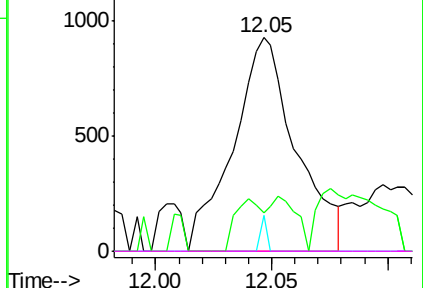
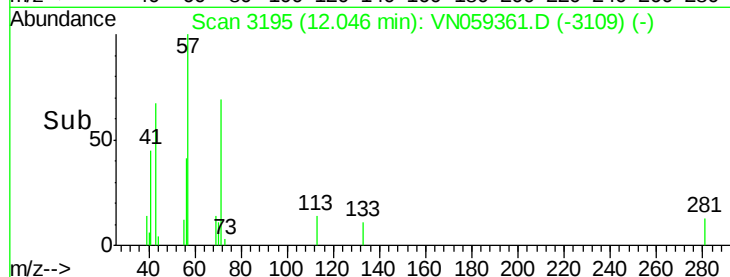


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.303 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059361.D

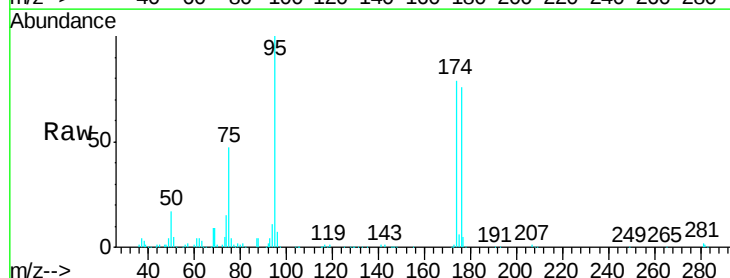
Acq: 22 Nov 2019 13:57

Tgt Ion: 75 Resp: 97969

Ion Ratio Lower Upper

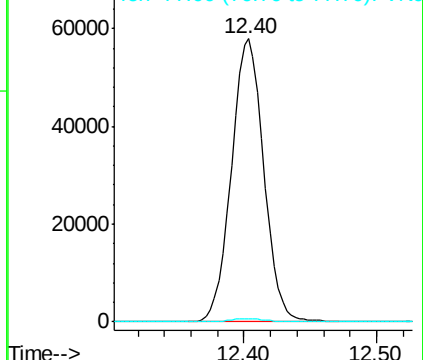
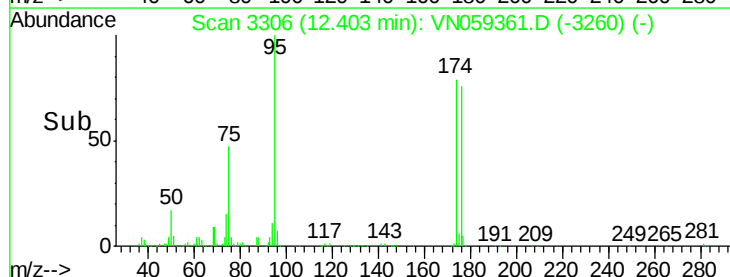
75 100

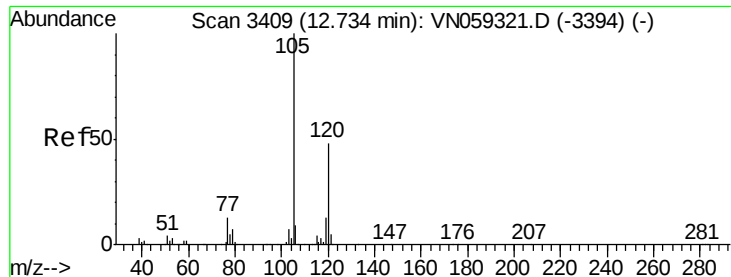
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

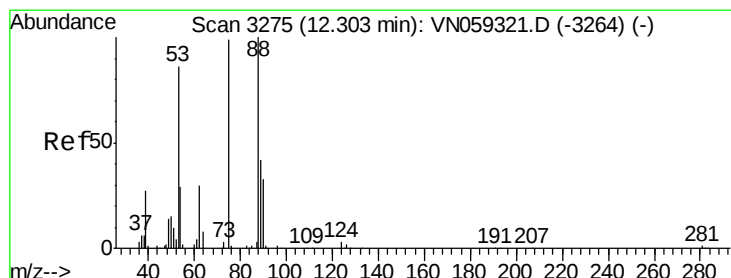
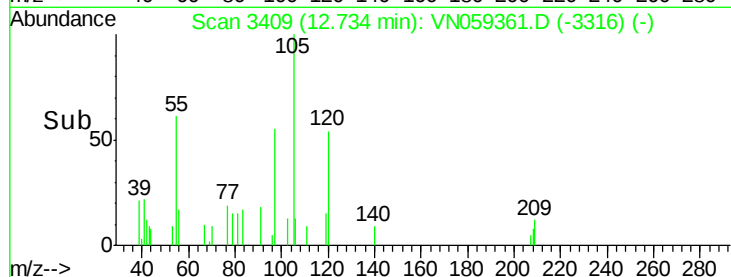
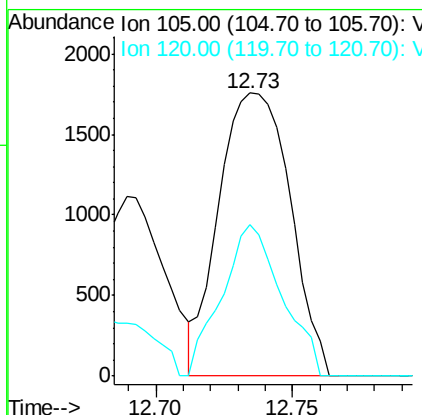
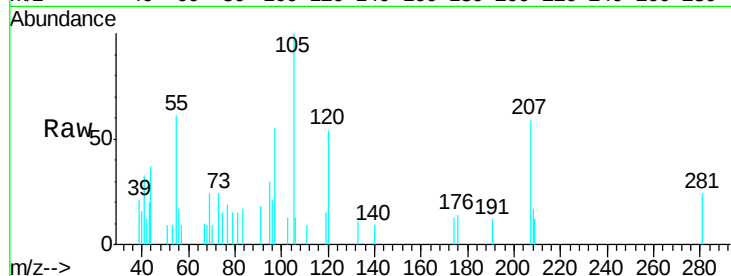




#80
 1,3,5-Trimethylbenzene
 Concen: 0.277 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059361.D
 Acq: 22 Nov 2019 13:57

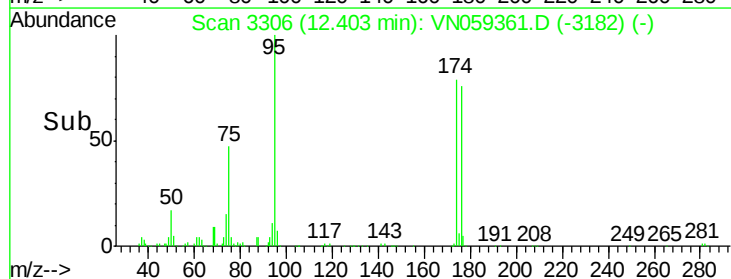
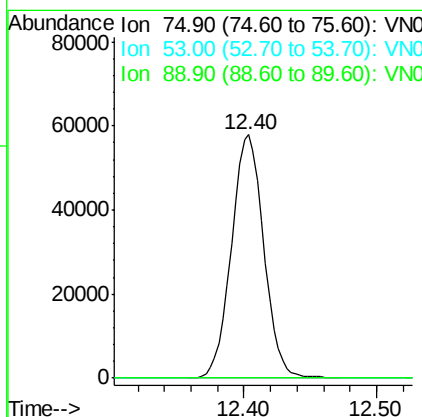
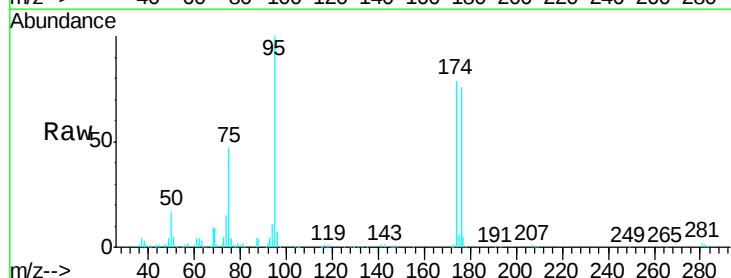
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5-(12-14)

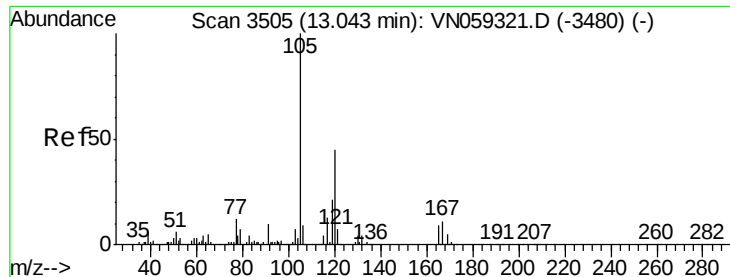
Tgt Ion: 105 Resp: 3197
 Ion Ratio Lower Upper
 105 100
 120 45.1 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.286 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN059361.D
 Acq: 22 Nov 2019 13:57

Tgt Ion: 75 Resp: 97969
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.7 106.1#
 89 0.0 35.4 53.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.707 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059361.D

Acq: 22 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

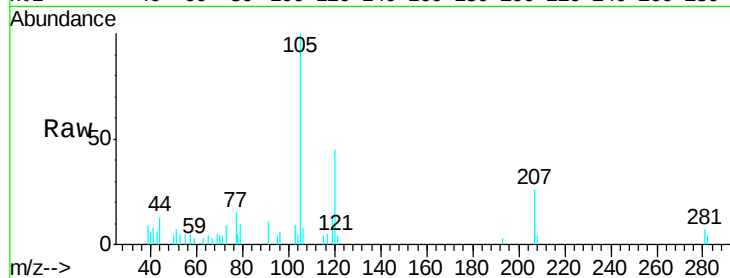
MW-5-(12-14)

Tgt Ion: 105 Resp: 7998

Ion Ratio Lower Upper

105 100

120 44.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

5000

4000

3000

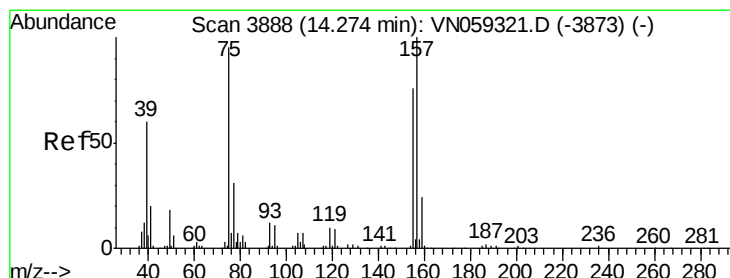
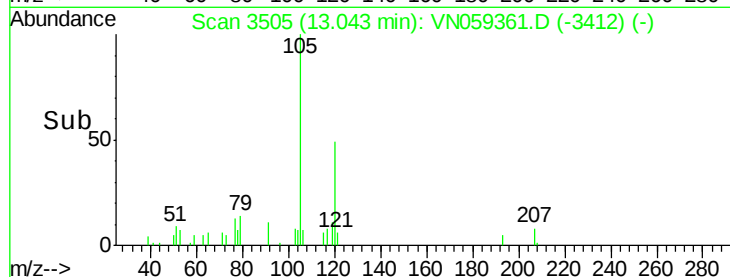
2000

1000

0

Time-->

13.00 13.05 13.10



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.525 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN059361.D

Acq: 22 Nov 2019 13:57

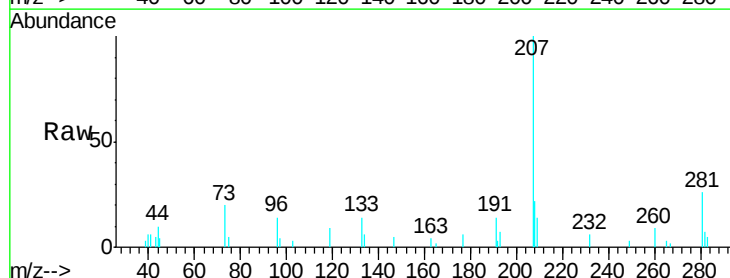
Tgt Ion: 75 Resp: 507

Ion Ratio Lower Upper

75 100

155 0.0 40.5 121.5#

157 0.0 52.7 158.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

400

300

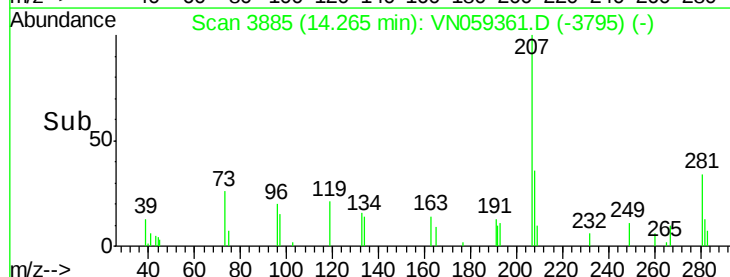
200

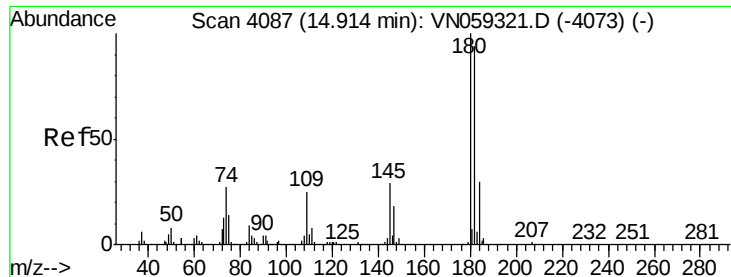
100

0

Time-->

14.22 14.24 14.26 14.28

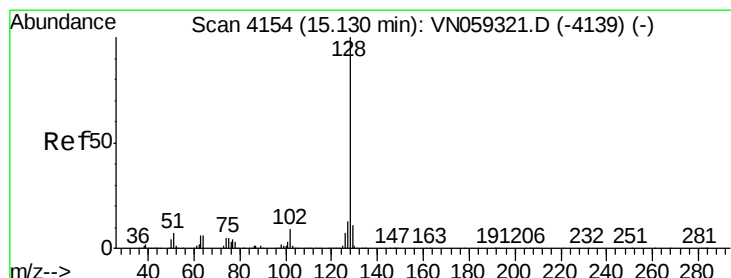
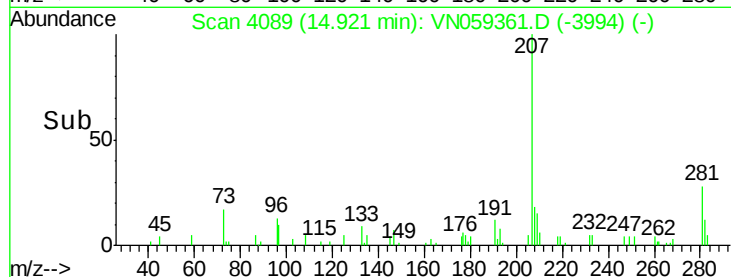
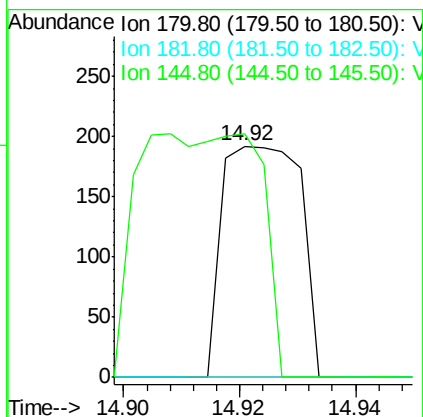
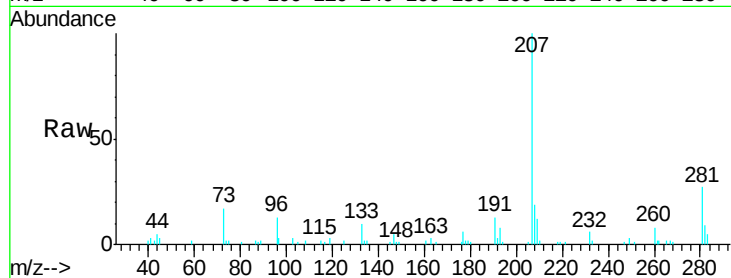




#93
 1,2,4-Trichlorobenzene
 Concen: 2.986 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN059361.D
 Acq: 22 Nov 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 MW-5-(12-14)

Tgt Ion:180 Resp: 179
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.2 141.6#
 145 82.1 14.9 44.5#



#95
 Naphthalene
 Concen: 3.238 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.01 min
 Lab File: VN059361.D
 Acq: 22 Nov 2019 13:57

Tgt Ion:128 Resp: 741
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.6 13.0#

