

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063947.D
 Acq On : 7 Oct 2020 16:55
 Operator : JC/MD
 Sample : L4250-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

Quant Time: Oct 08 05:43:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	232196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	413583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	432956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190026	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	200854	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	7.55	113	146620	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
50) Toluene-d8	10.06	98	539953	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.38	95	215448	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	

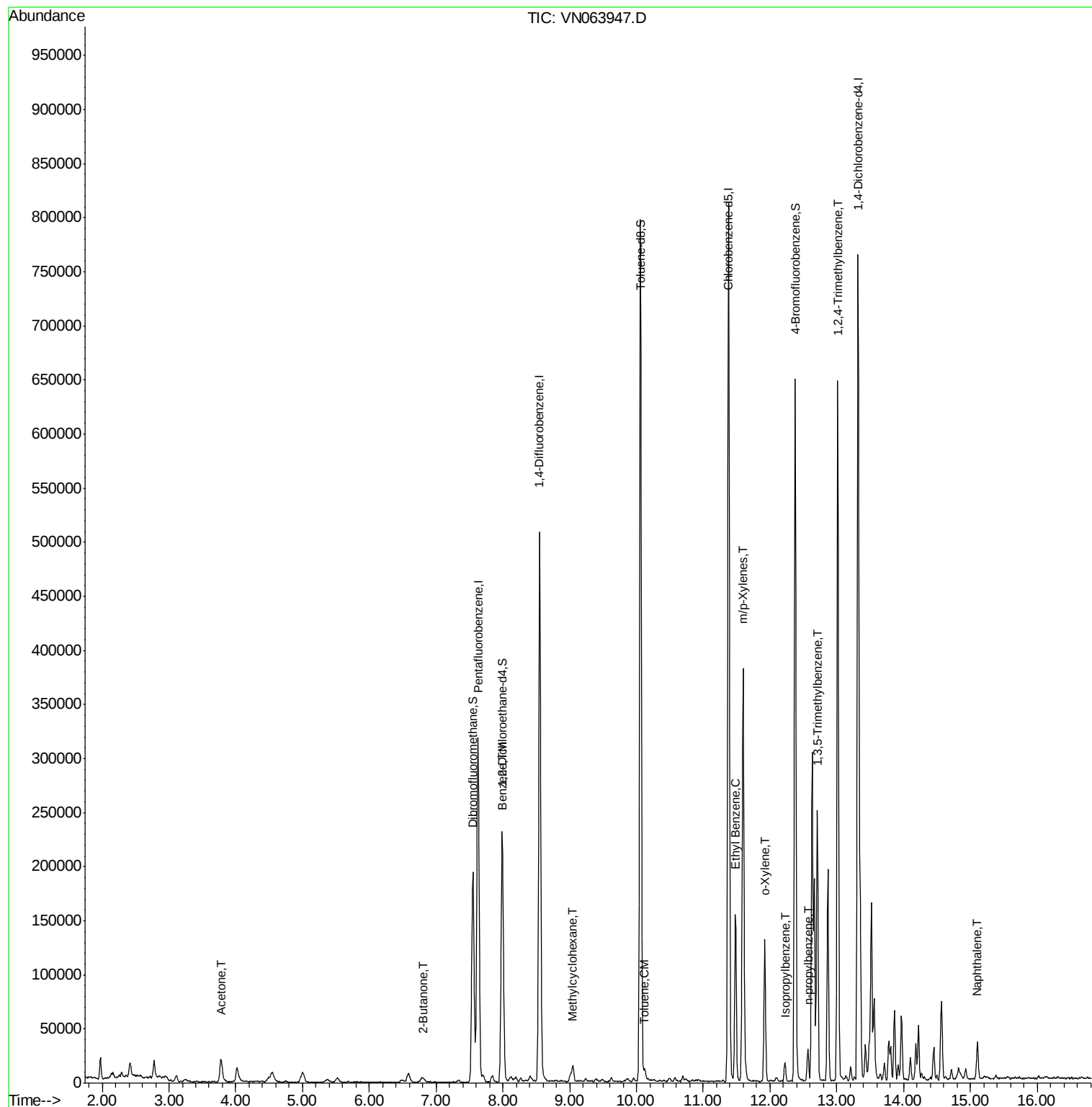
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	37442	31.707	ug/l	97
25) 2-Butanone	6.80	43	8356	4.991	ug/l #	83
39) Methylcyclohexane	9.05	83	5461	1.307	ug/l	97
40) Benzene	8.01	78	23672	1.978	ug/l	95
52) Toluene	10.13	92	2985	0.403	ug/l	83
67) Ethyl Benzene	11.49	91	105682	6.539	ug/l	97
68) m/p-Xylenes	11.60	106	116838	19.398	ug/l	99
69) o-Xylene	11.92	106	34687	6.162	ug/l	97
73) Isopropylbenzene	12.22	105	11978	0.864	ug/l	99
78) n-propylbenzene	12.57	91	22113	1.371	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	134492	11.566	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	352417	30.356	ug/l	98
95) Naphthalene	15.11	128	29940	4.732	ug/l	99

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

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QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063947.D

Acq: 7 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampled :

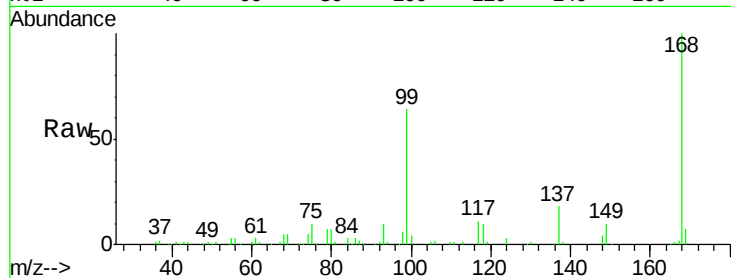
MW-13

Tot Ion:168 Resp: 232196

Ion Ratio Lower Upper

168 100

99 63.6 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

60000

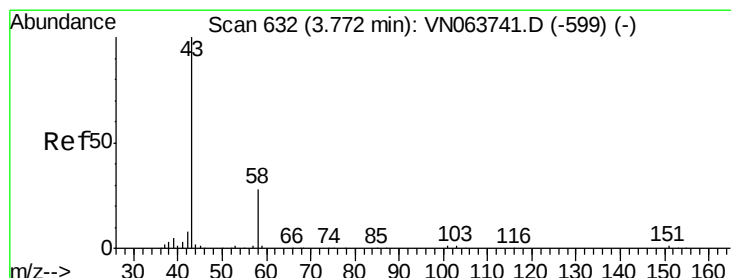
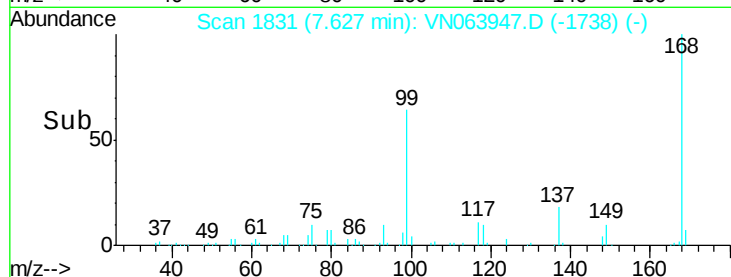
40000

20000

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Time-->

7.55 7.60 7.65 7.70



#16

Acetone

Concen: 31.707 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063947.D

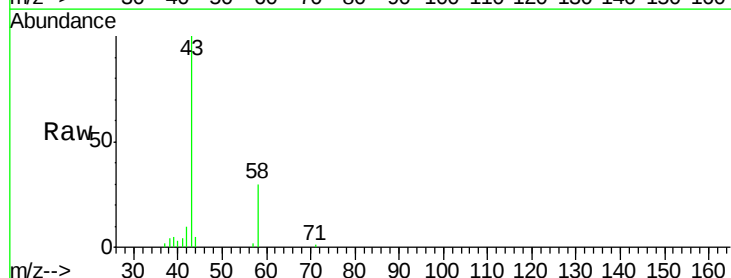
Acq: 7 Oct 2020 16:55

Tgt Ion: 43 Resp: 37442

Ion Ratio Lower Upper

43 100

58 29.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

15000

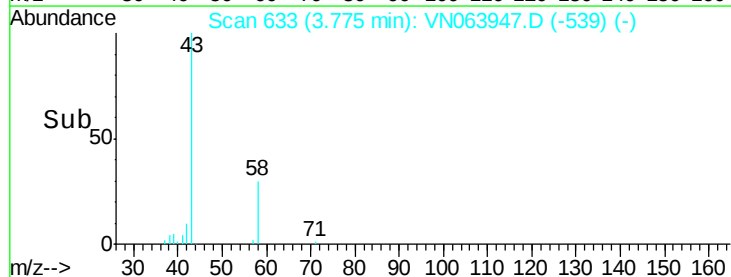
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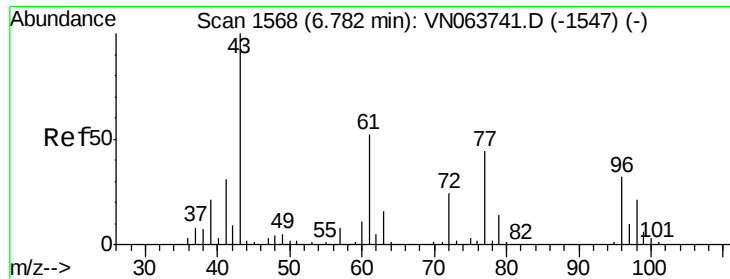
5000

0

Time-->

3.70 3.75 3.80 3.85 3.90





#25

2-Butanone

Concen: 4.991 ug/l

RT: 6.80 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN063947.D

Acq: 7 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

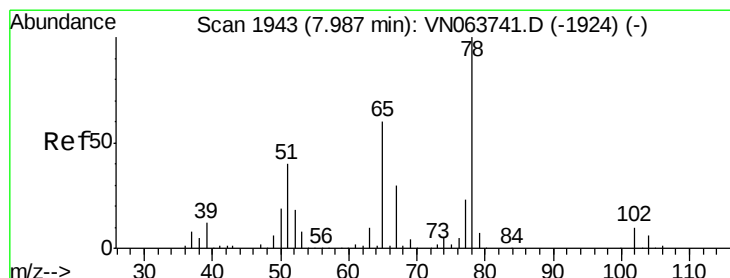
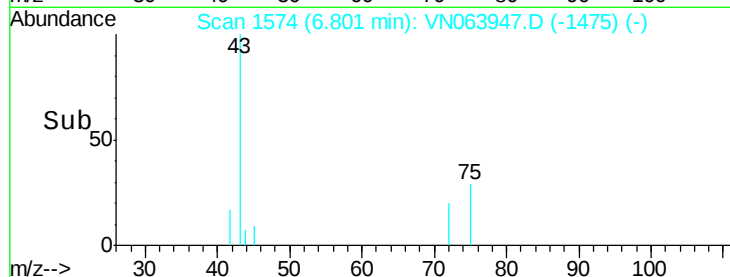
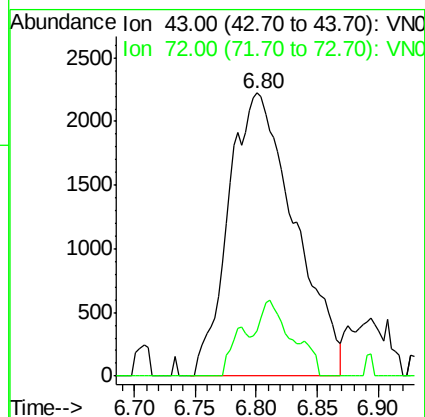
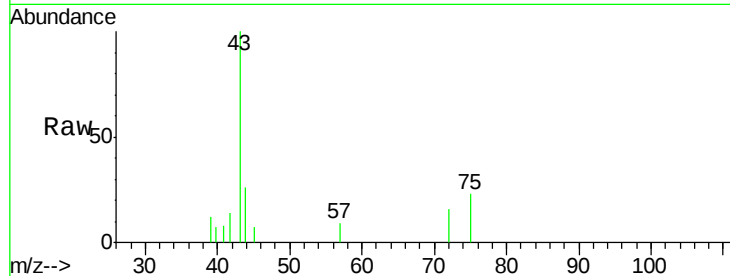
MW-13

Tot Ion: 43 Resp: 8356

Ion Ratio Lower Upper

43 100

72 15.8 19.3 28.9#



#33

1,2-Dichloroethane-d4

Concen: 52.360 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063947.D

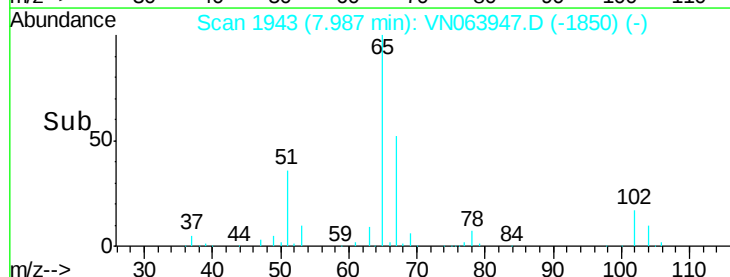
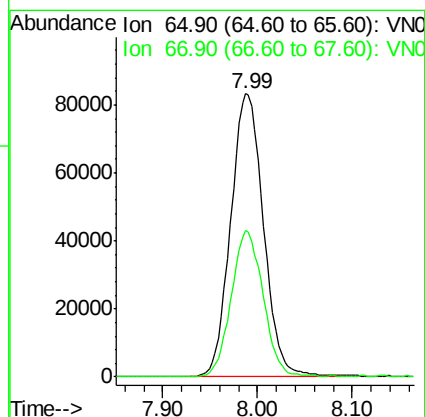
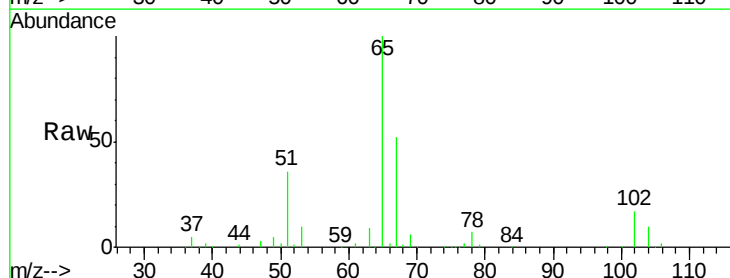
Acq: 7 Oct 2020 16:55

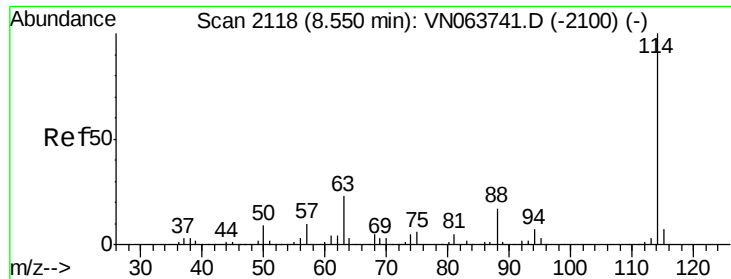
Tgt Ion: 65 Resp: 200854

Ion Ratio Lower Upper

65 100

67 50.2 0.0 99.6

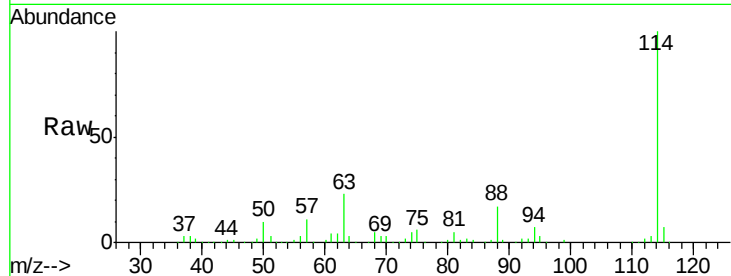




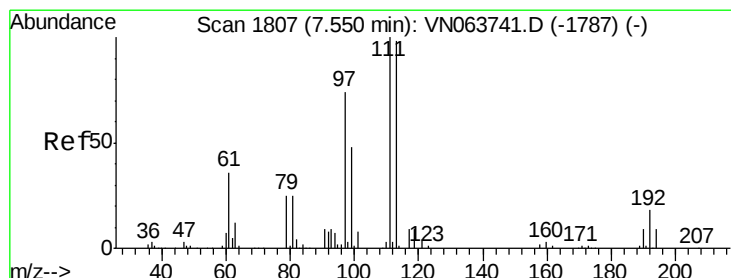
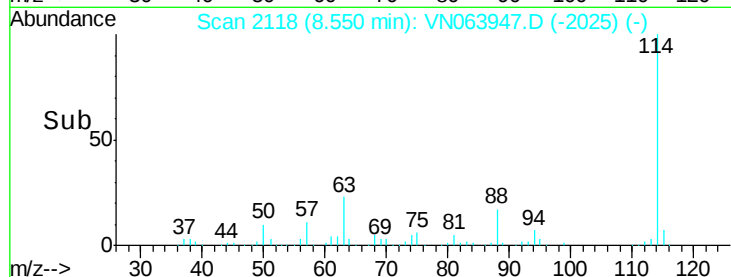
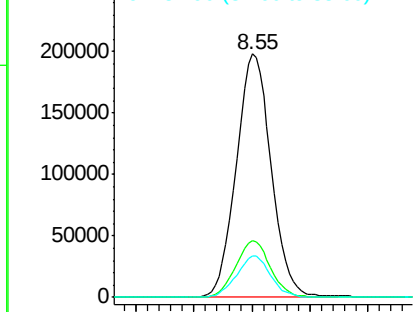
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063947.D
Acq: 7 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
MW-13

Tot Ion:114 Resp: 413583
Ion Ratio Lower Upper
114 100
63 23.4 0.0 45.0
88 17.0 0.0 34.0

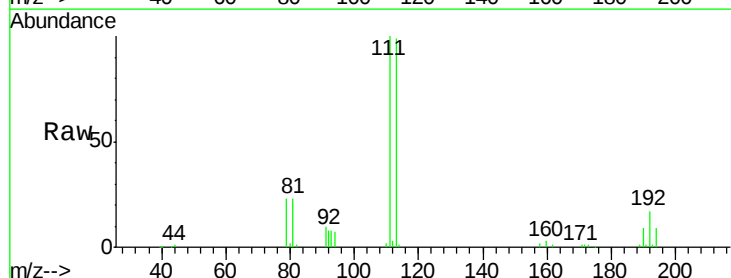


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

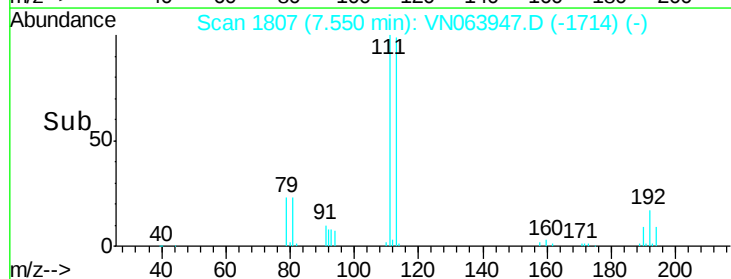
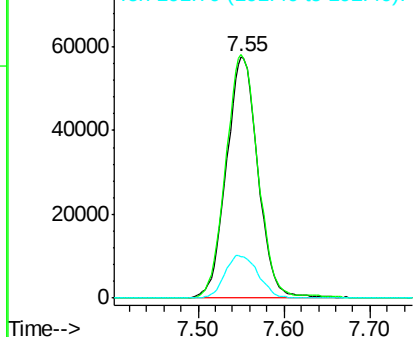


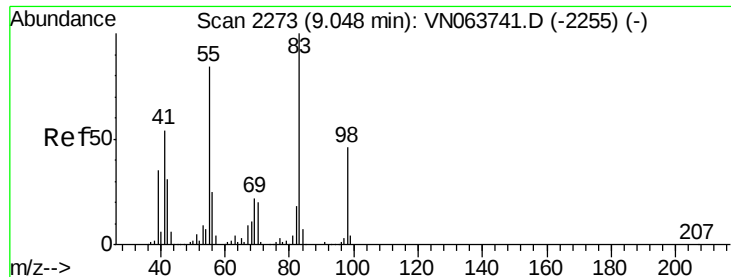
#35
Dibromofluoromethane
Concen: 51.091 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063947.D
Acq: 7 Oct 2020 16:55

Tgt Ion:113 Resp: 146620
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 18.7 14.2 21.2



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

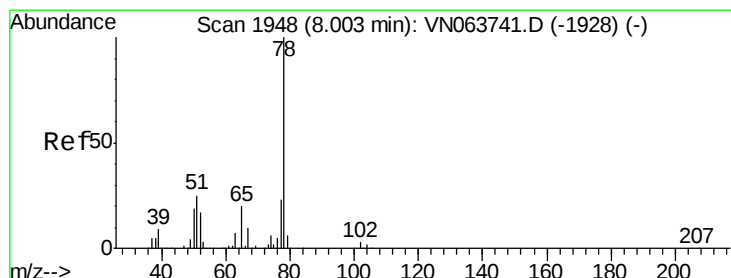
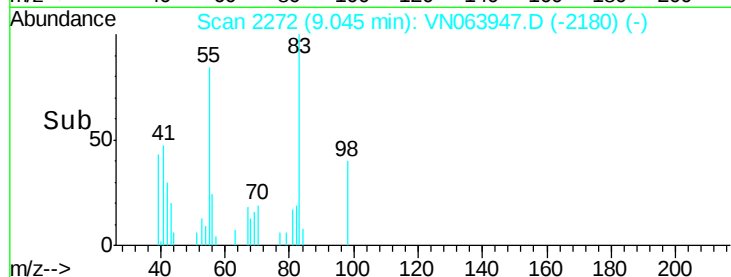
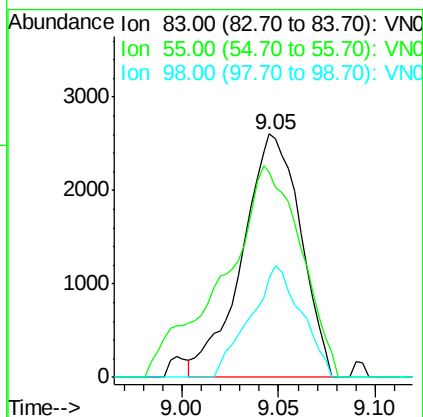
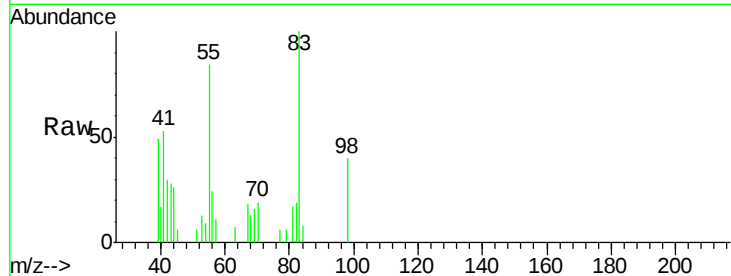




#39
Methvlcvclohexane
Concen: 1.307 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063947.D
Acq: 7 Oct 2020 16:55

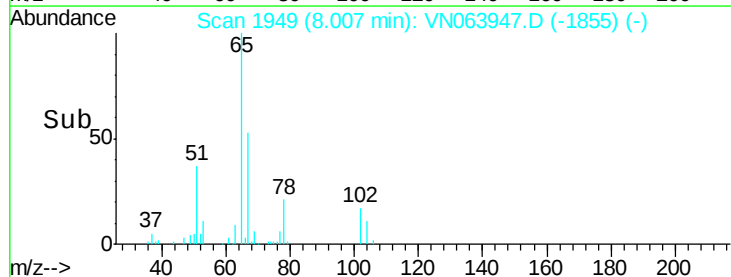
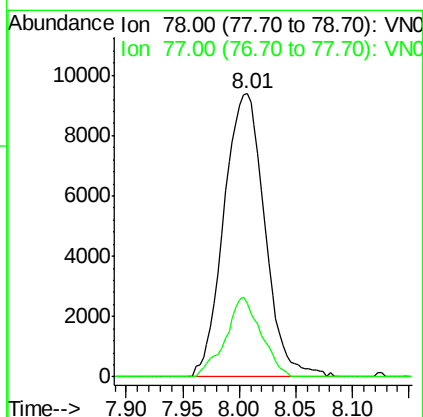
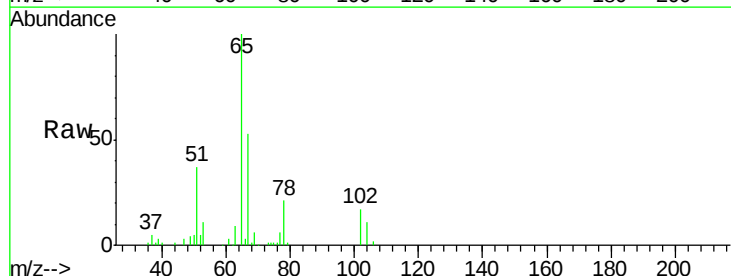
Instrument :
MSVOA_N
ClientSampled :
MW-13

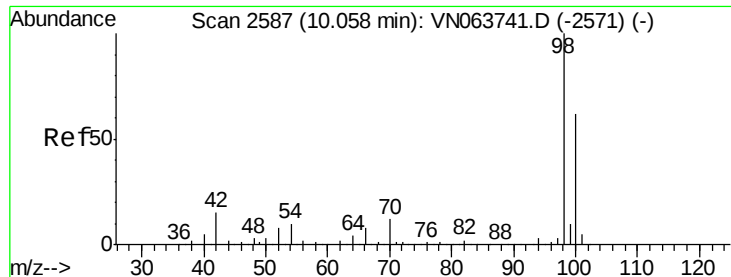
Tot Ion: 83 Resp: 5461
Ion Ratio Lower Upper
83 100
55 84.4 67.1 100.7
98 40.5 36.6 54.8



#40
Benzene
Concen: 1.978 ug/l
RT: 8.01 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN063947.D
Acq: 7 Oct 2020 16:55

Tgt Ion: 78 Resp: 23672
Ion Ratio Lower Upper
78 100
77 25.9 18.7 28.1





#50

Toluene-d8

Concen: 49.633 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063947.D

Acq: 7 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampled :

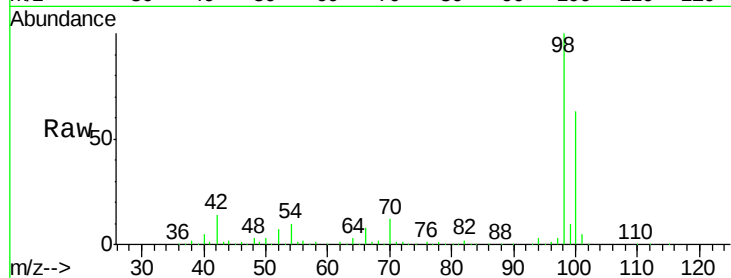
MW-13

Tot Ion: 98 Resp: 539953

Ion Ratio Lower Upper

98 100

100 63.2 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)

10.06

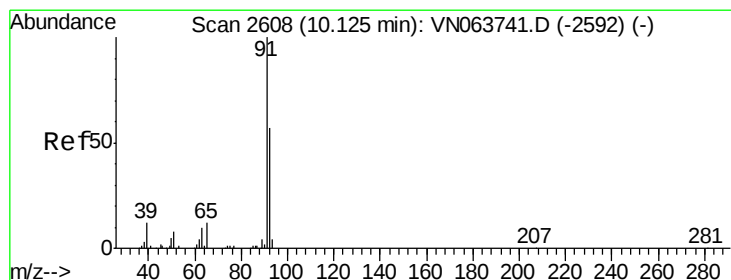
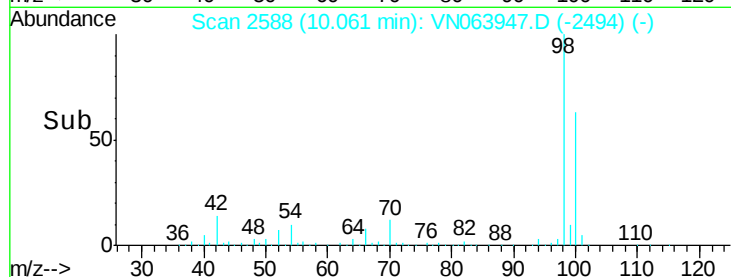
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 0.403 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063947.D

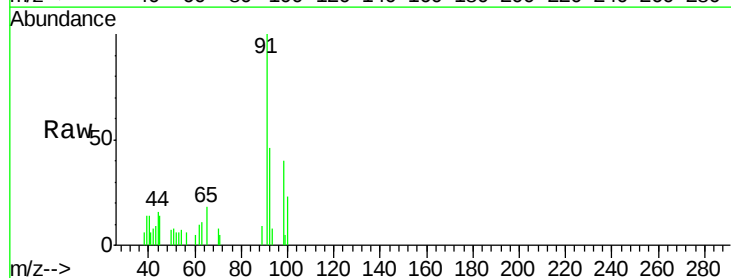
Acq: 7 Oct 2020 16:55

Tgt Ion: 92 Resp: 2985

Ion Ratio Lower Upper

92 100

91 199.5 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN063741.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063741.D (-2592) (-)

10.13

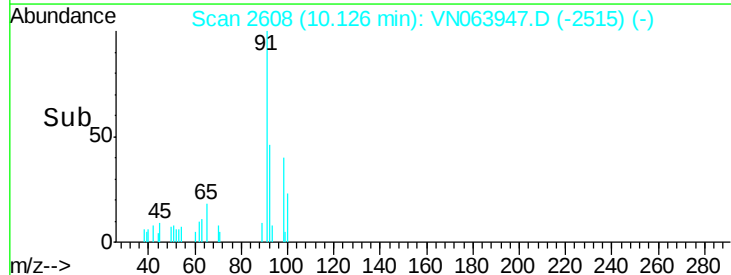
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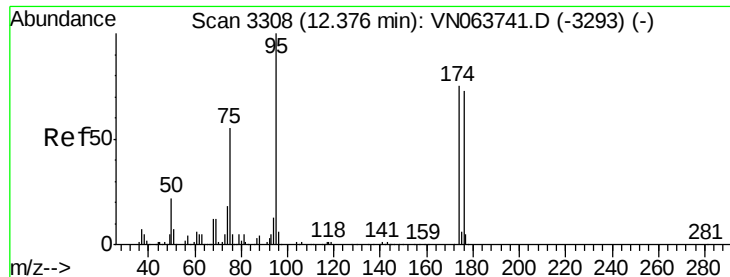
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.683 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063947.D

Acq: 7 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampled :

MW-13

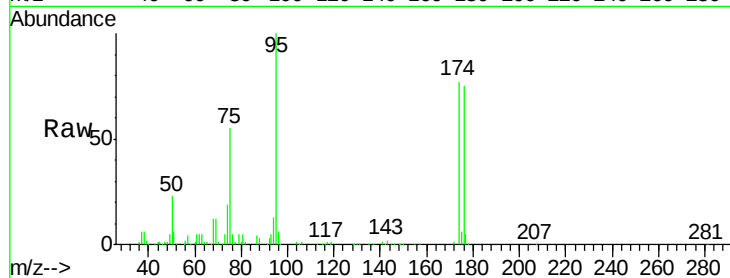
Tot Ion: 95 Resp: 215448

Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.6

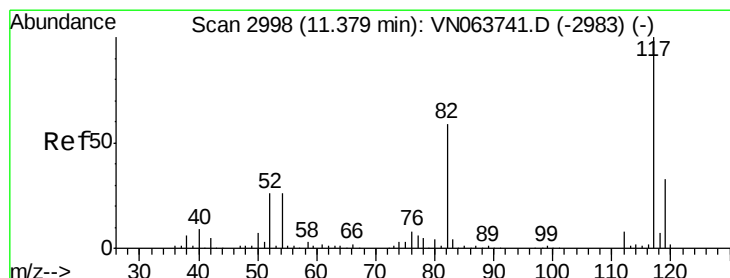
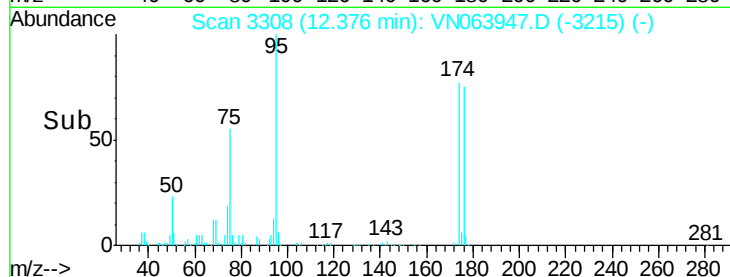
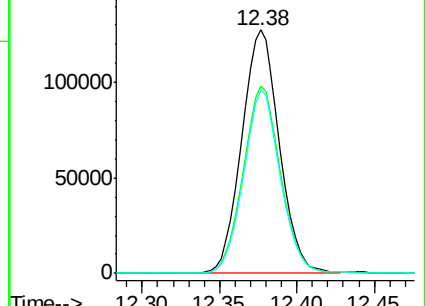
176 73.9 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063947.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063947.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063947.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063947.D

Acq: 7 Oct 2020 16:55

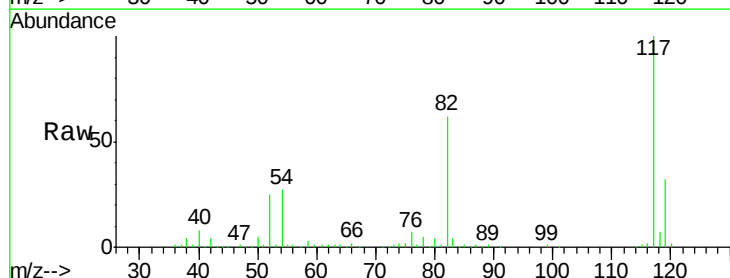
Tgt Ion: 117 Resp: 432956

Ion Ratio Lower Upper

117 100

82 61.8 47.4 71.2

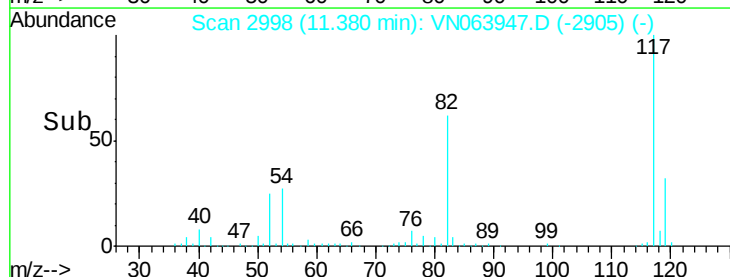
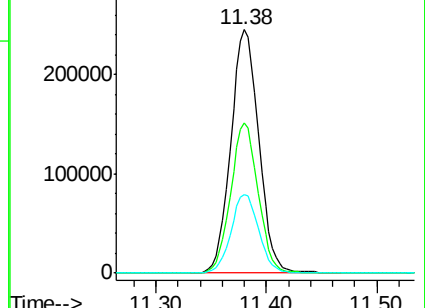
119 32.3 26.4 39.6

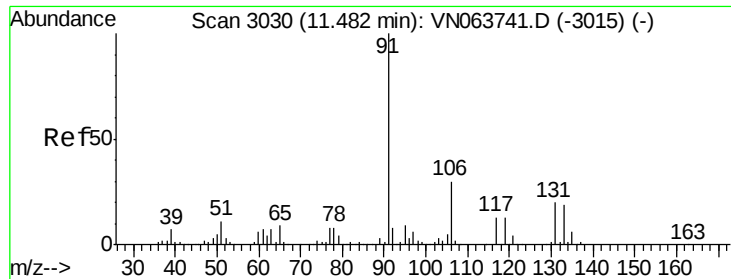


Abundance Ion 116.90 (116.60 to 117.60): VN063947.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063947.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063947.D (-2905) (-)

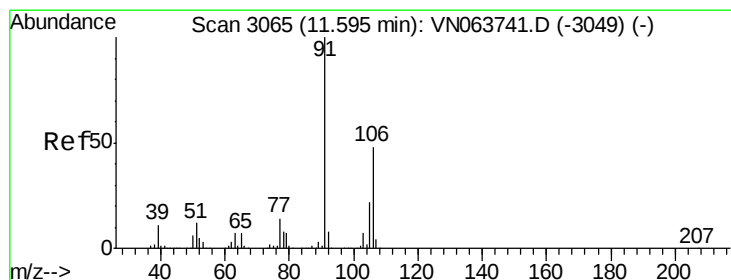
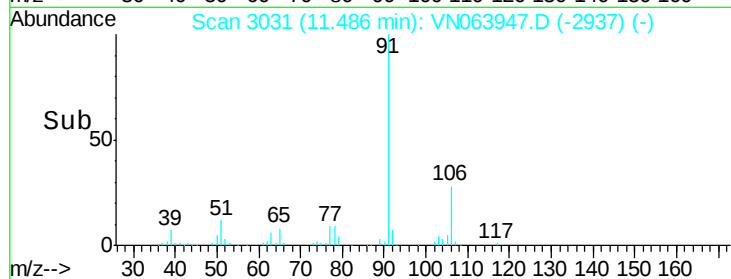
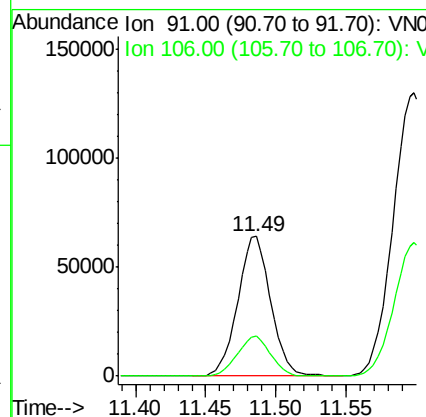
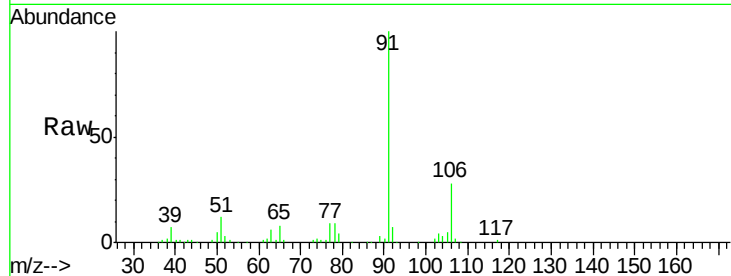




#67
Ethyl Benzene
Concen: 6.539 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063947.D
Acq: 7 Oct 2020 16:55

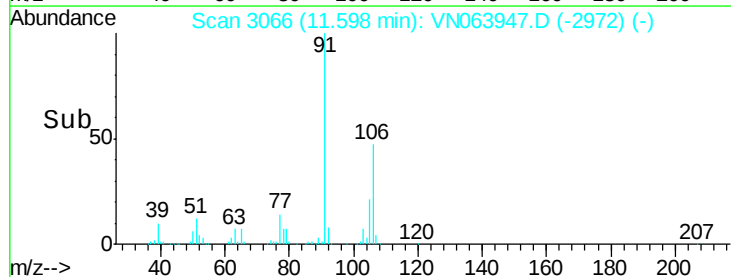
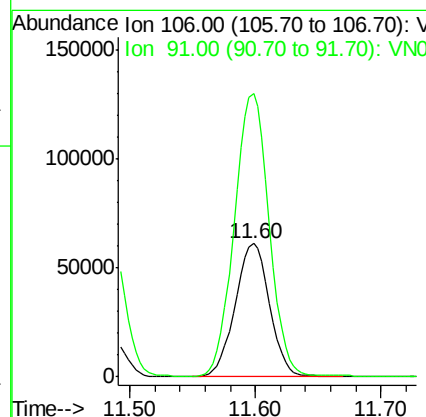
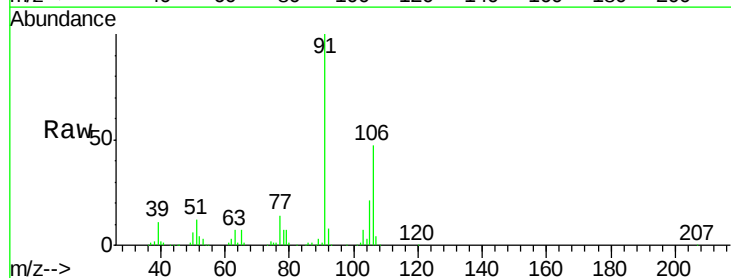
Instrument :
MSVOA_N
ClientSampled :
MW-13

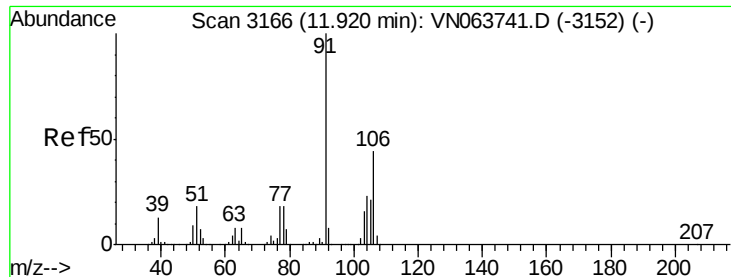
Tot Ion: 91 Resp: 105682
Ion Ratio Lower Upper
91 100
106 28.5 24.2 36.2



#68
m/p-Xylenes
Concen: 19.398 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN063947.D
Acq: 7 Oct 2020 16:55

Tgt Ion: 106 Resp: 116838
Ion Ratio Lower Upper
106 100
91 212.1 168.0 252.0

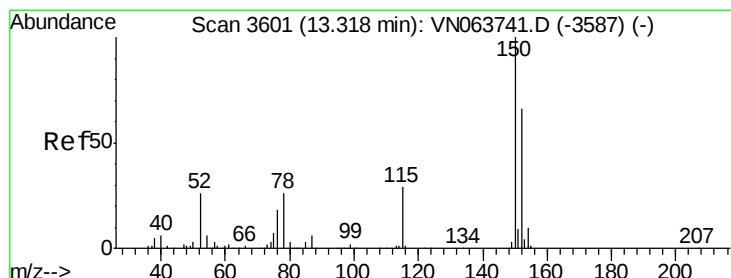
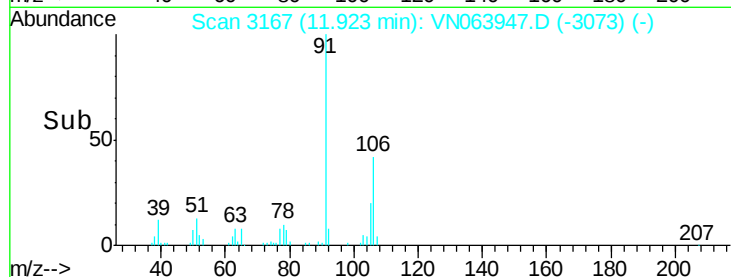
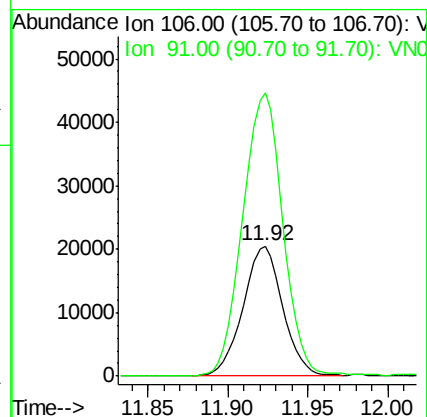
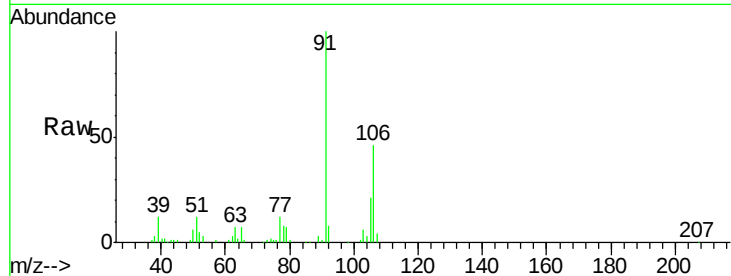




#69
o-Xylene
Concen: 6.162 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063947.D
Acq: 7 Oct 2020 16:55

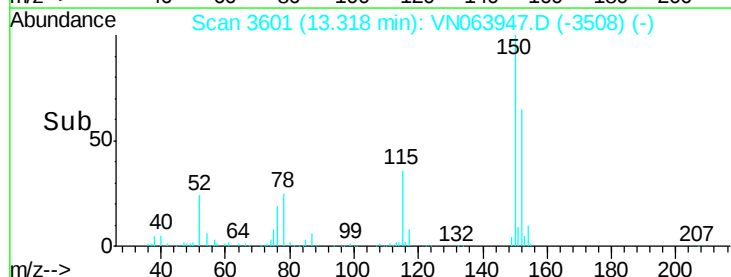
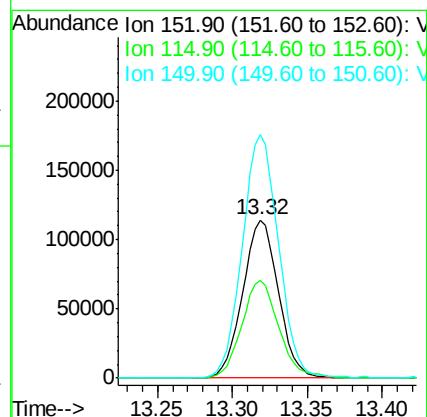
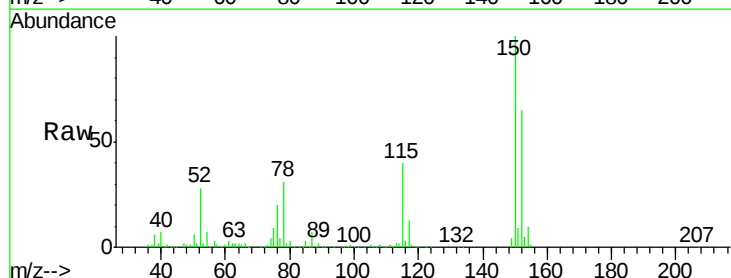
Instrument :
MSVOA_N
ClientSampled :
MW-13

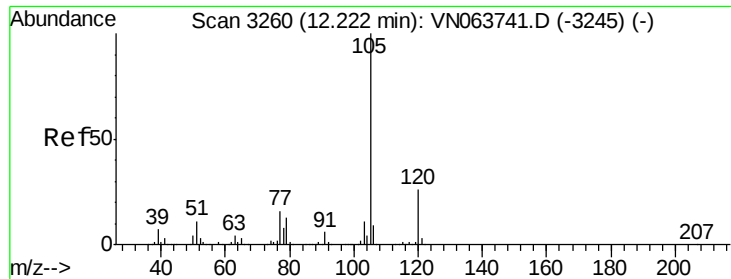
Tot Ion:106 Resp: 34687
Ion Ratio Lower Upper
106 100
91 221.1 112.7 338.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063947.D
Acq: 7 Oct 2020 16:55

Tgt Ion:152 Resp: 190026
Ion Ratio Lower Upper
152 100
115 64.5 31.3 93.8
150 156.2 0.0 341.8





#73

Isopropylbenzene

Concen: 0.864 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063947.D

Acq: 7 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

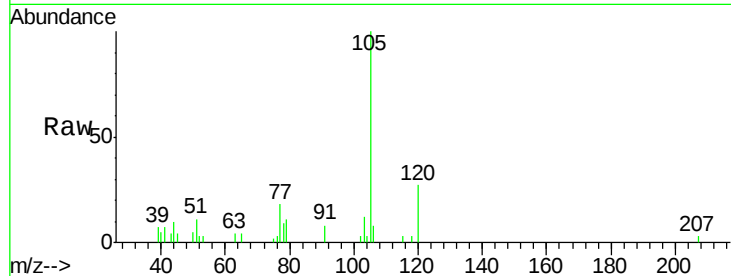
MW-13

Tot Ion:105 Resp: 11978

Ion Ratio Lower Upper

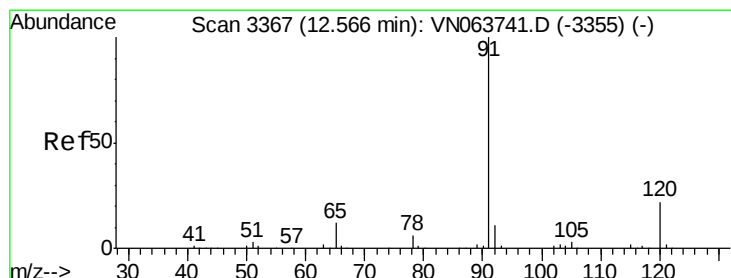
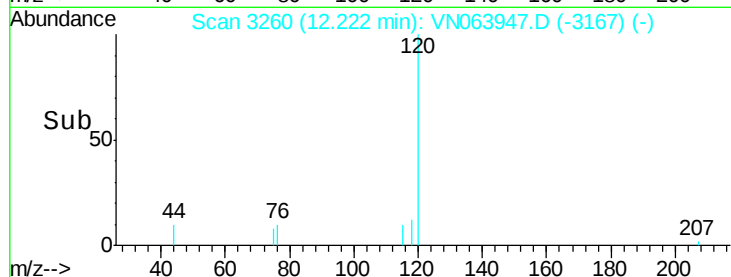
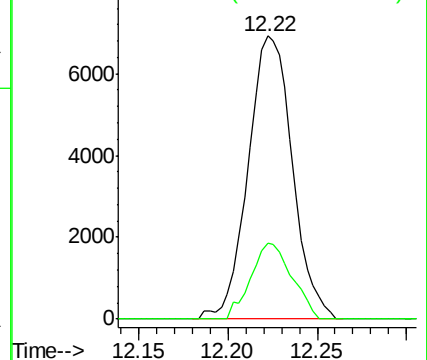
105 100

120 24.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.371 ug/l

RT: 12.57 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VN063947.D

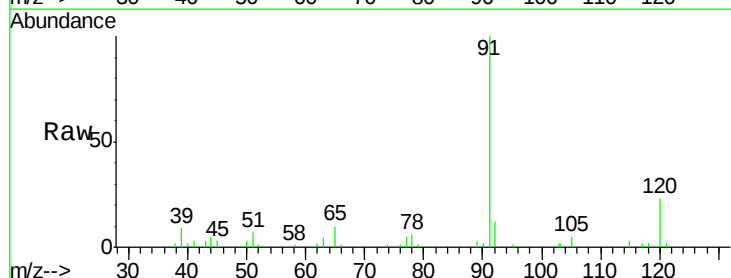
Acq: 7 Oct 2020 16:55

Tgt Ion: 91 Resp: 22113

Ion Ratio Lower Upper

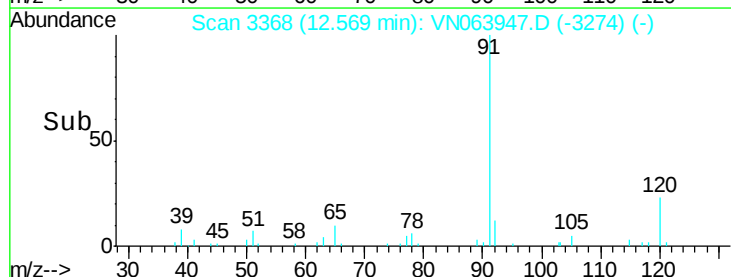
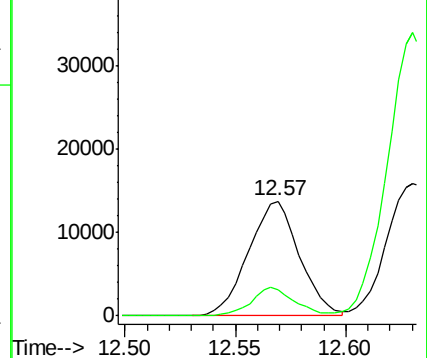
91 100

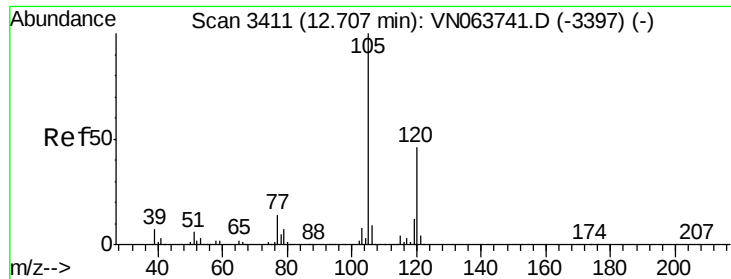
120 20.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

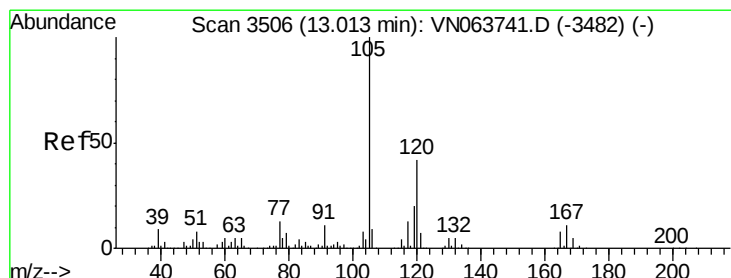
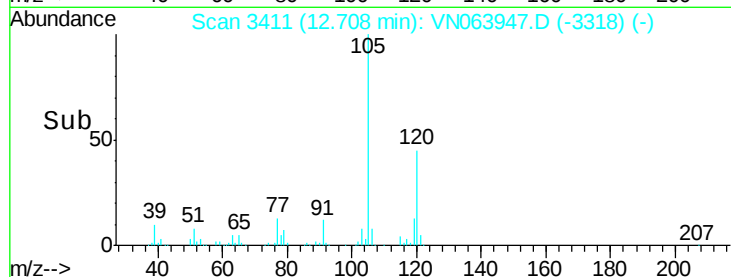
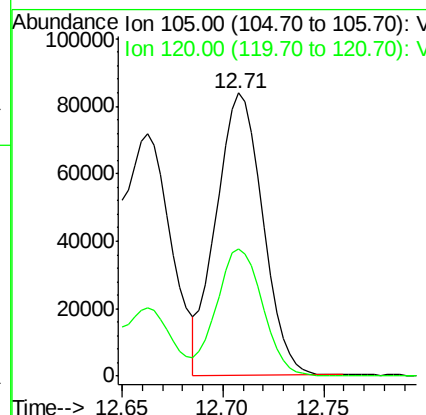
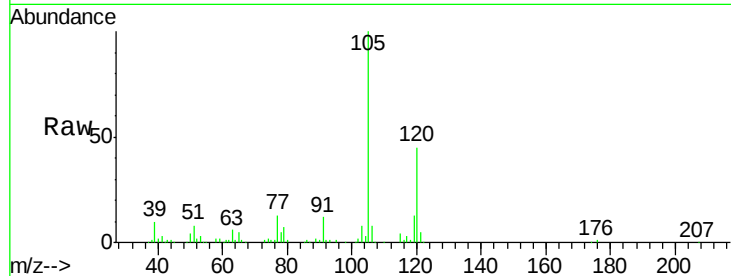




#80
 1,3,5-Trimethylbenzene
 Concen: 11.566 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063947.D
 Acq: 7 Oct 2020 16:55

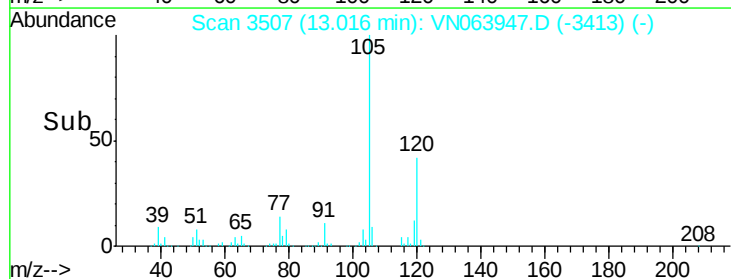
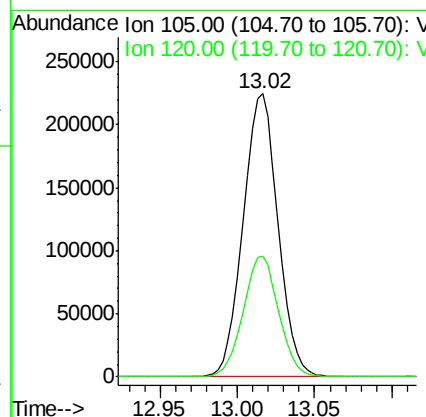
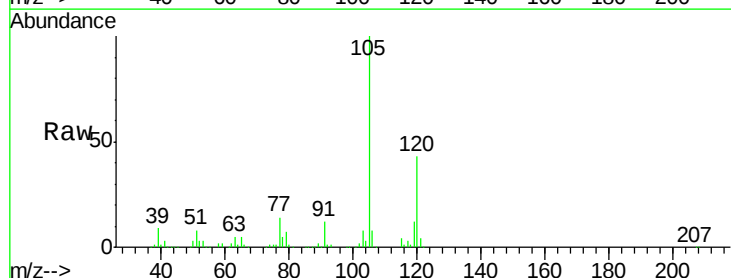
Instrument :
 MSVOA_N
 ClientSampled :
 MW-13

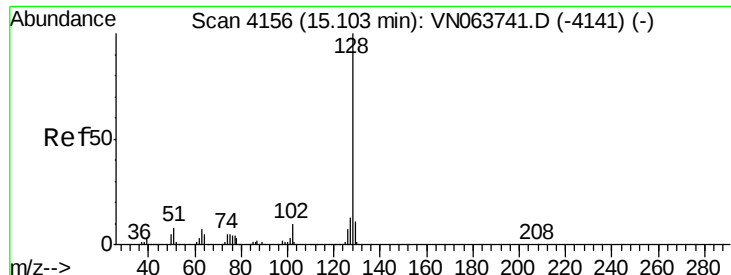
Tot Ion:105 Resp: 134492
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.3 69.9



#84
 1,2,4-Trimethylbenzene
 Concen: 30.356 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063947.D
 Acq: 7 Oct 2020 16:55

Tgt Ion:105 Resp: 352417
 Ion Ratio Lower Upper
 105 100
 120 43.4 20.9 62.7





#95

Naphthalene

Concen: 4.732 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063947.D

Acq: 7 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

MW-13

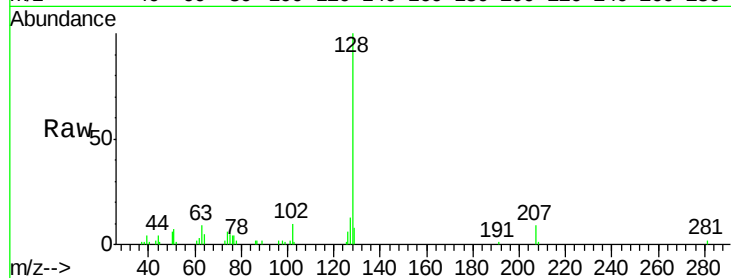
Tot Ion:128 Resp: 29940

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 9.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

