

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064231.D
 Acq On : 21 Oct 2020 19:07
 Operator : JC/MD
 Sample : L4434-05 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 16743

Quant Time: Oct 22 02:31:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

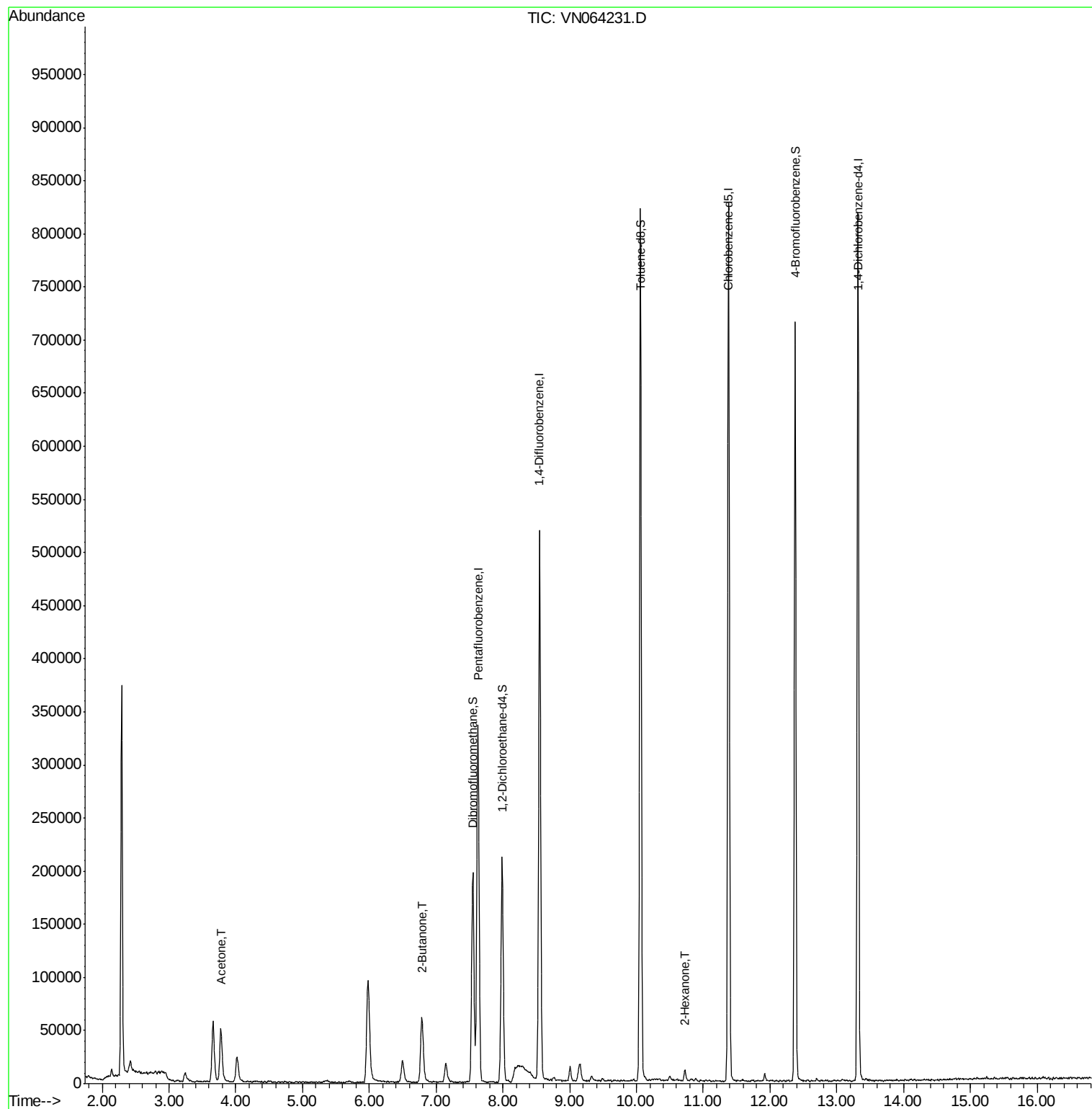
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	249369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	438777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	448019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	202889	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	194350	52.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.96%	
35) Dibromofluoromethane	7.55	113	148250	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.64%	
50) Toluene-d8	10.06	98	554741	52.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.38	95	249835	58.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.48%	
Target Compounds						
16) Acetone	3.78	43	86022	81.183	ug/l	Qvalue 100
25) 2-Butanone	6.79	43	112110	66.594	ug/l	98
59) 2-Hexanone	10.73	43	7387	2.557	ug/l	91

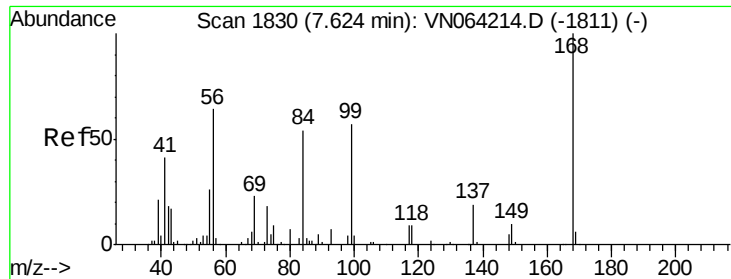
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

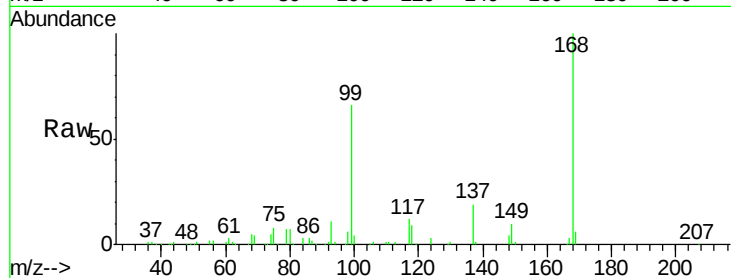
16743

Tot Ion:168 Resp: 249369

Ion Ratio Lower Upper

168 100

99 66.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VN064231.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064231.D (-1737) (-)

7.63

100000

80000

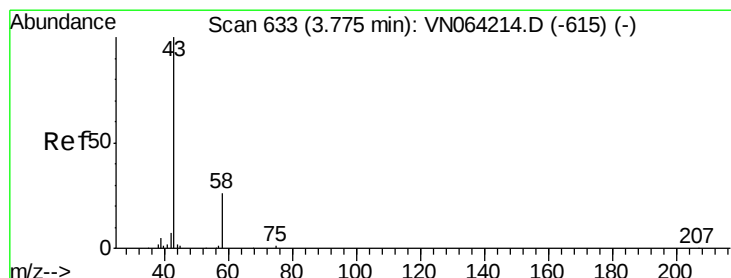
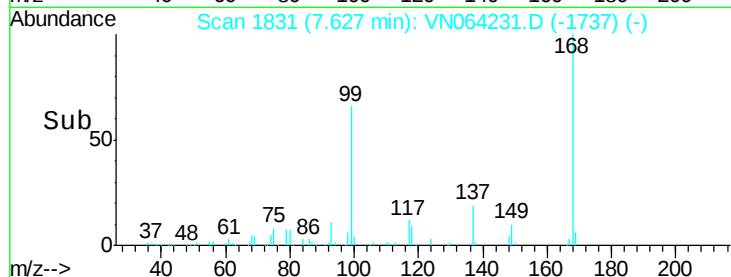
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 81.183 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064231.D

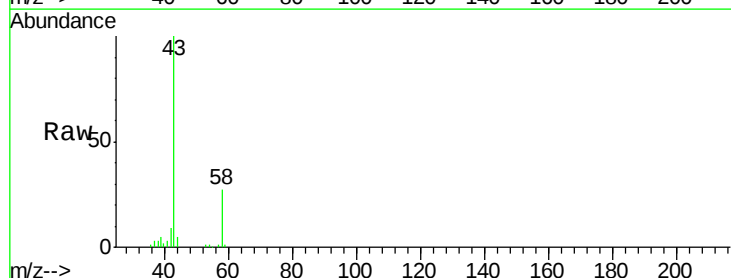
Acq: 21 Oct 2020 19:07

Tgt Ion: 43 Resp: 86022

Ion Ratio Lower Upper

43 100

58 26.1 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN064231.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN064231.D (-540) (-)

3.78

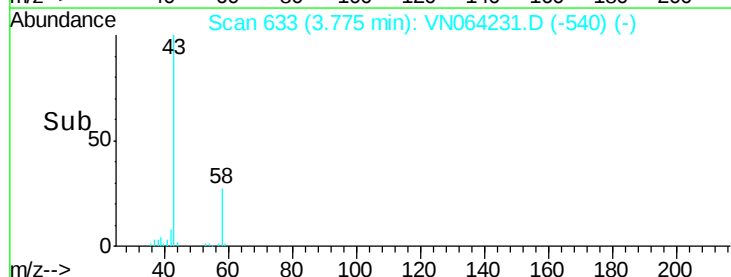
30000

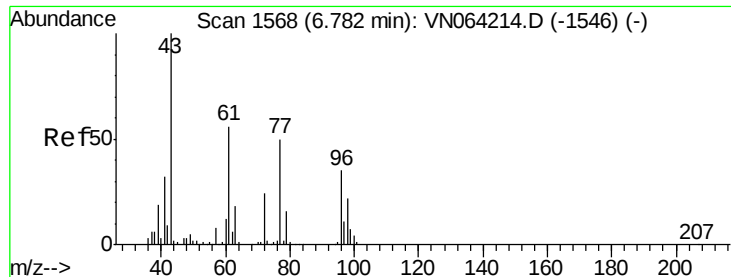
20000

10000

0

Time-->





#25

2-Butanone

Concen: 66.594 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

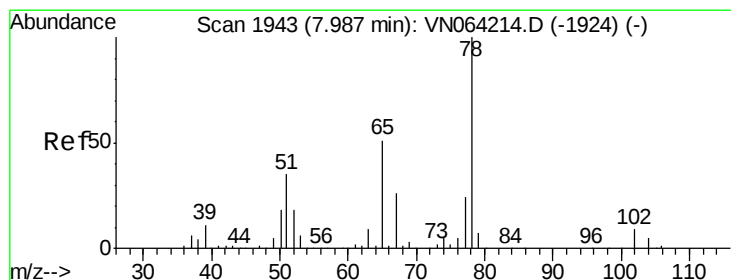
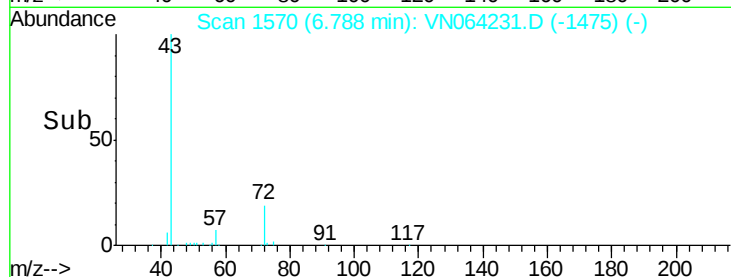
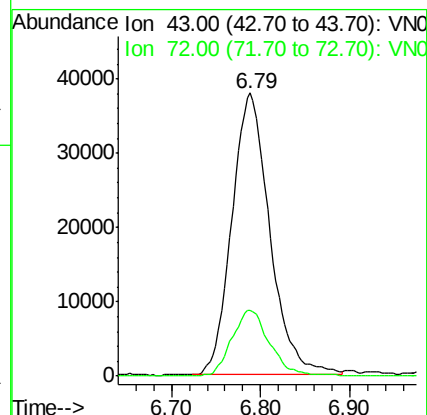
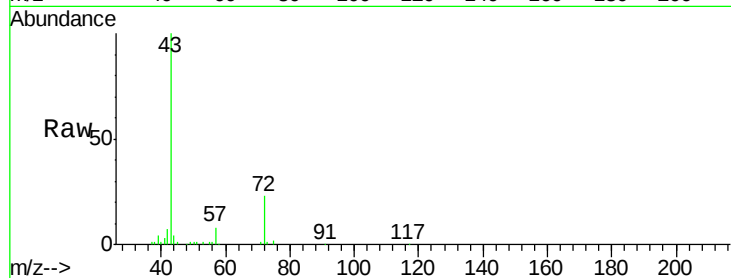
16743

Tot Ion: 43 Resp: 112110

Ion Ratio Lower Upper

43 100

72 23.3 19.4 29.0



#33

1,2-Dichloroethane-d4

Concen: 52.480 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064231.D

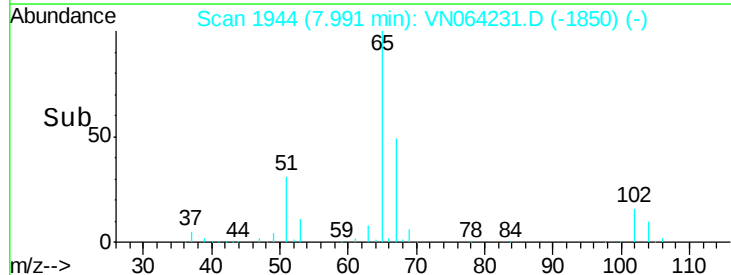
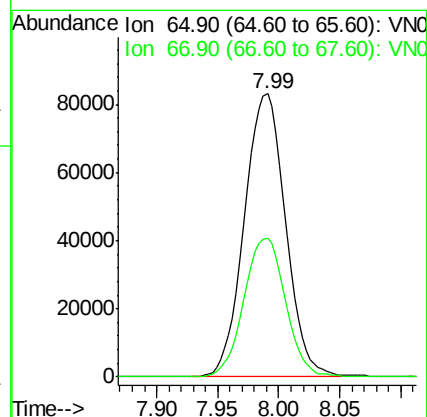
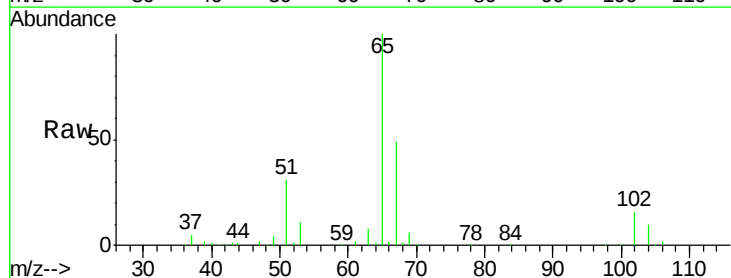
Acq: 21 Oct 2020 19:07

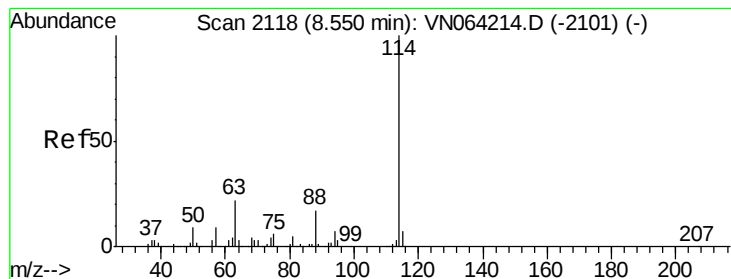
Tgt Ion: 65 Resp: 194350

Ion Ratio Lower Upper

65 100

67 49.5 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampled :

16743

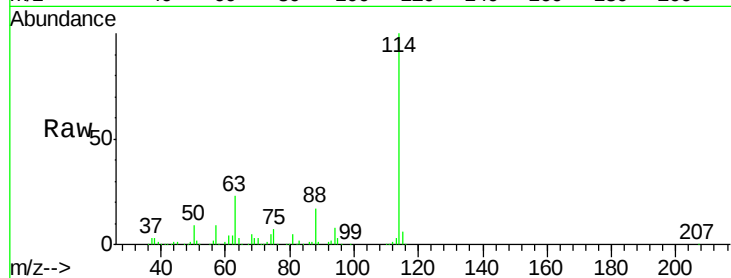
Tot Ion:114 Resp: 438777

Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.0

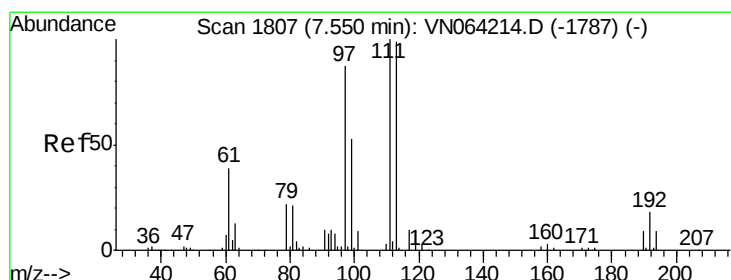
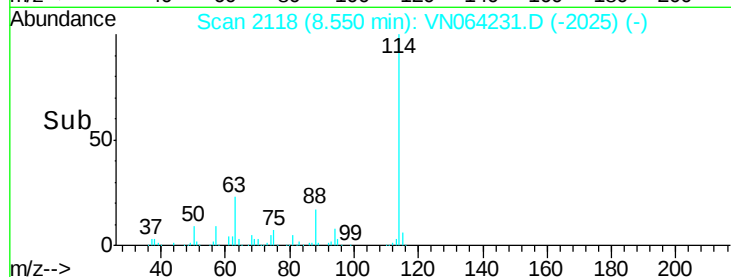
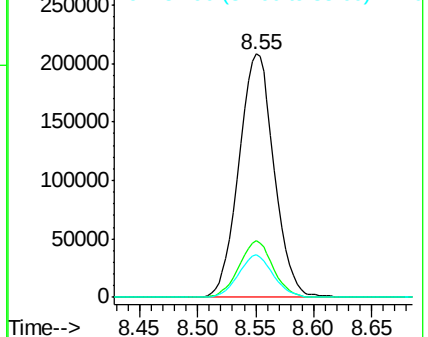
88 17.3 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.819 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

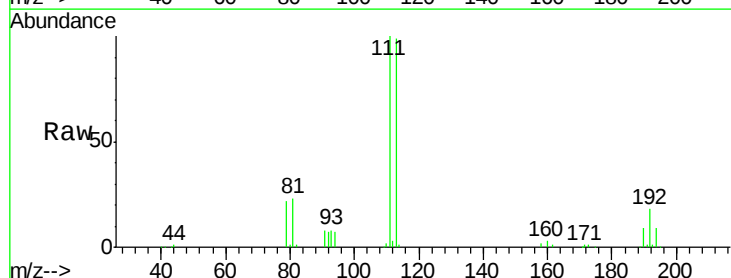
Tgt Ion:113 Resp: 148250

Ion Ratio Lower Upper

113 100

111 101.2 84.2 126.2

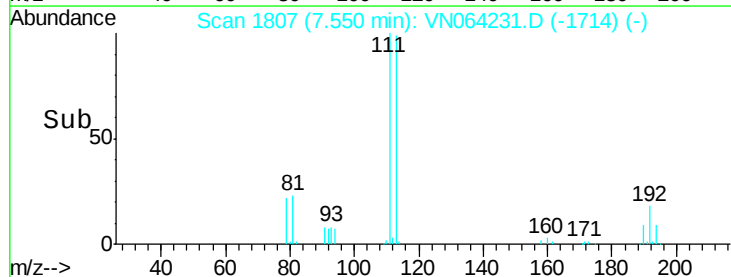
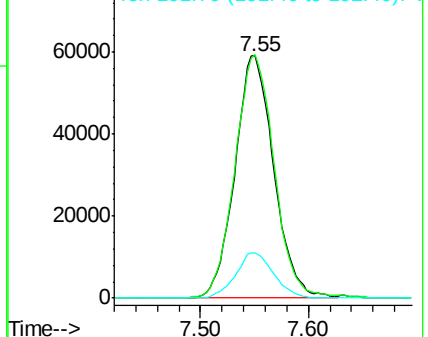
192 18.3 15.2 22.8

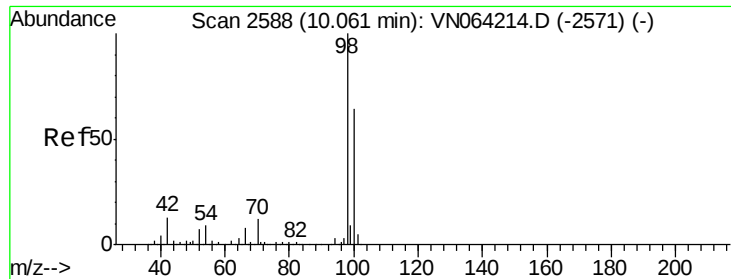


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.422 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampled :

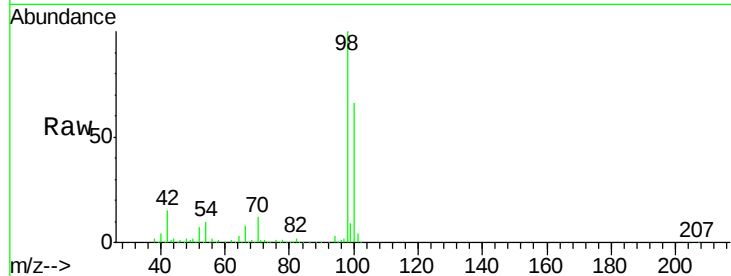
16743

Tot Ion: 98 Resp: 554741

Ion Ratio Lower Upper

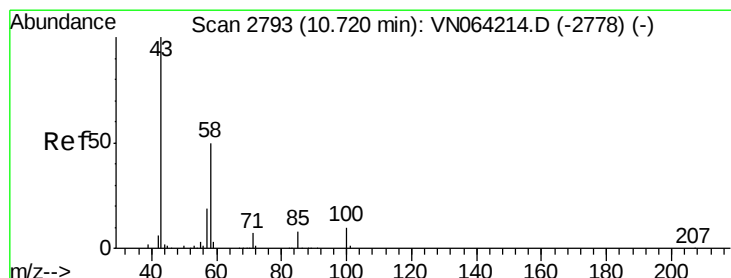
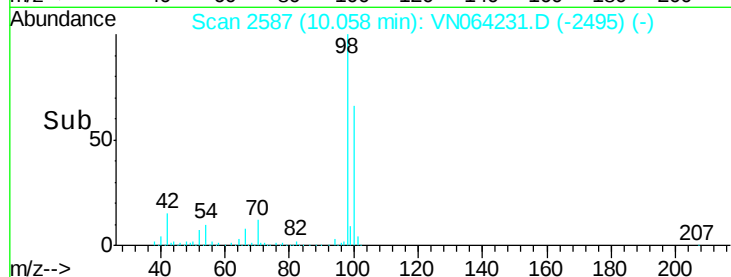
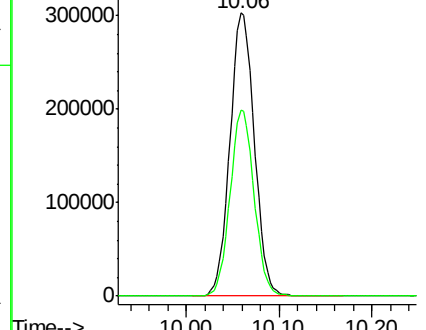
98 100

100 64.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN064231.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064231.D (-2571) (-)



#59

2-Hexanone

Concen: 2.557 ug/l

RT: 10.73 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN064231.D

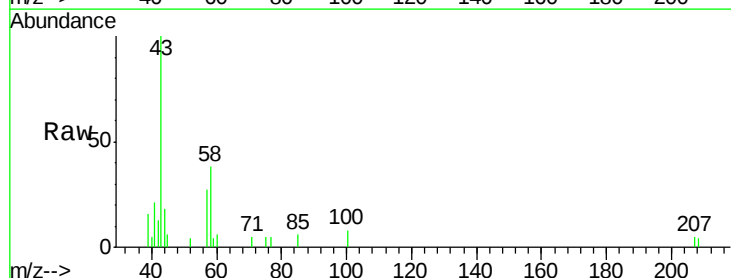
Acq: 21 Oct 2020 19:07

Tgt Ion: 43 Resp: 7387

Ion Ratio Lower Upper

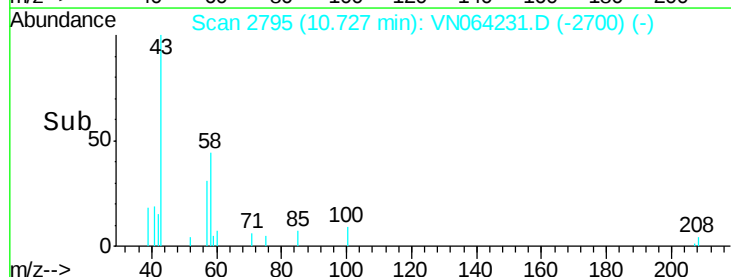
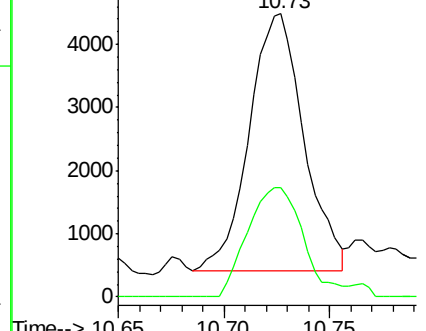
43 100

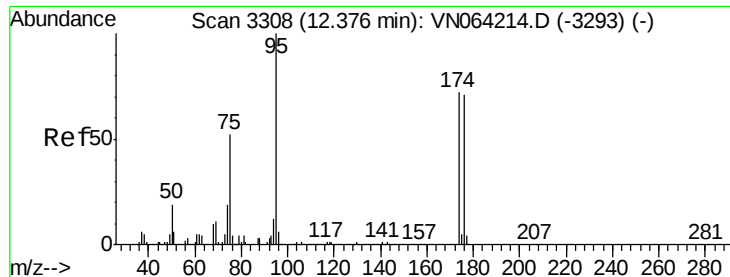
58 43.3 24.8 74.3



Abundance Ion 43.00 (42.70 to 43.70): VN064231.D (-2700) (-)

Ion 58.00 (57.70 to 58.70): VN064231.D (-2700) (-)





#62

4-Bromofluorobenzene

Concen: 58.238 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

16743

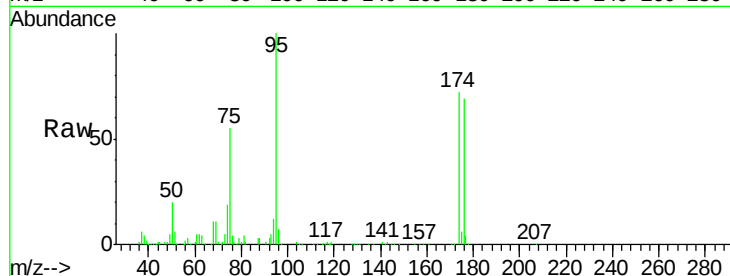
Tot Ion: 95 Resp: 249835

Ion Ratio Lower Upper

95 100

174 71.3 0.0 144.4

176 68.2 0.0 139.2



Abundance Ion 94.90 (94.60 to 95.60): VN064231.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN064231.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN064231.D (-3215) (-)

12.38

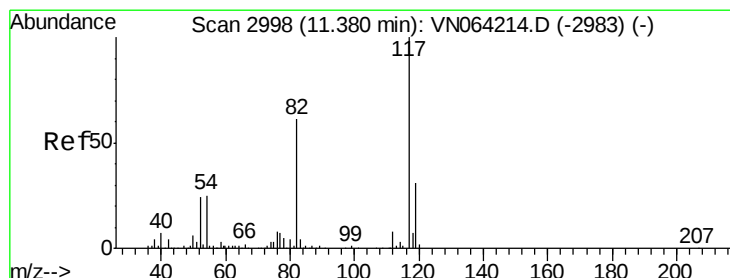
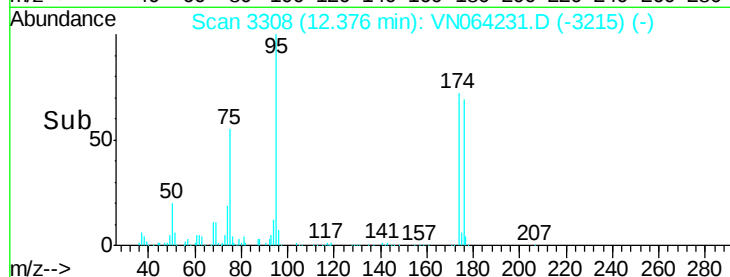
150000

100000

50000

0

Time--> 12.30 12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

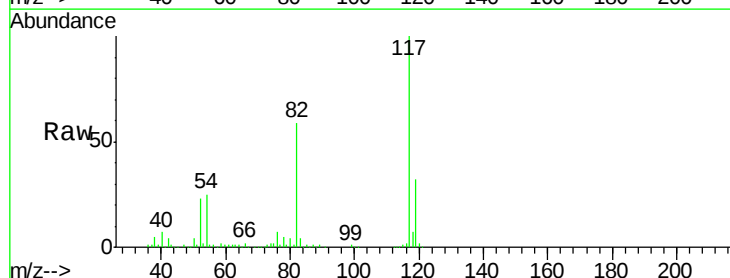
Tgt Ion: 117 Resp: 448019

Ion Ratio Lower Upper

117 100

82 59.0 48.8 73.2

119 32.3 24.7 37.1



Abundance Ion 116.90 (116.60 to 117.60): VN064231.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN064231.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN064231.D (-2905) (-)

11.38

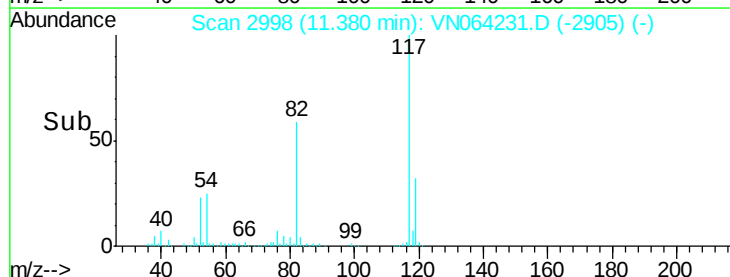
300000

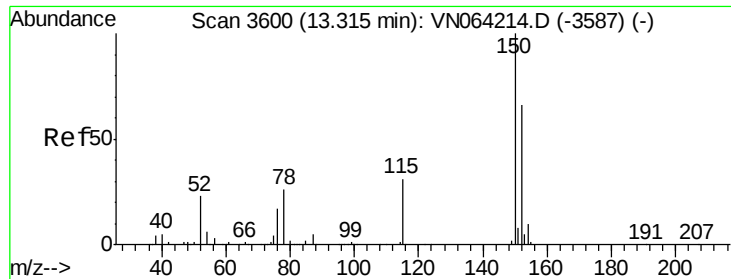
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

16743

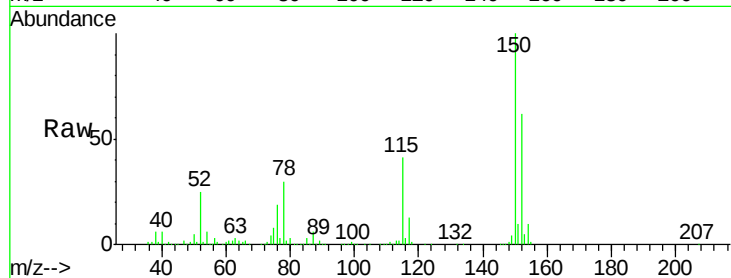
Tot Ion:152 Resp: 202889

Ion Ratio Lower Upper

152 100

115 65.2 32.0 96.2

150 160.6 0.0 356.6



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

