

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064919.D
 Acq On : 4 Dec 2020 15:17
 Operator : JC/MD
 Sample : L4954-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-5045-120120

Quant Time: Dec 05 02:27:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	188592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	319883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	327647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	151110	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	106503	48.58	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.16%	
35) Dibromofluoromethane		7.55	113	99181	51.82	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.64%	
50) Toluene-d8		10.06	98	418220	53.48	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.96%	
62) 4-Bromofluorobenzene		12.38	95	153676	54.91	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.82%	

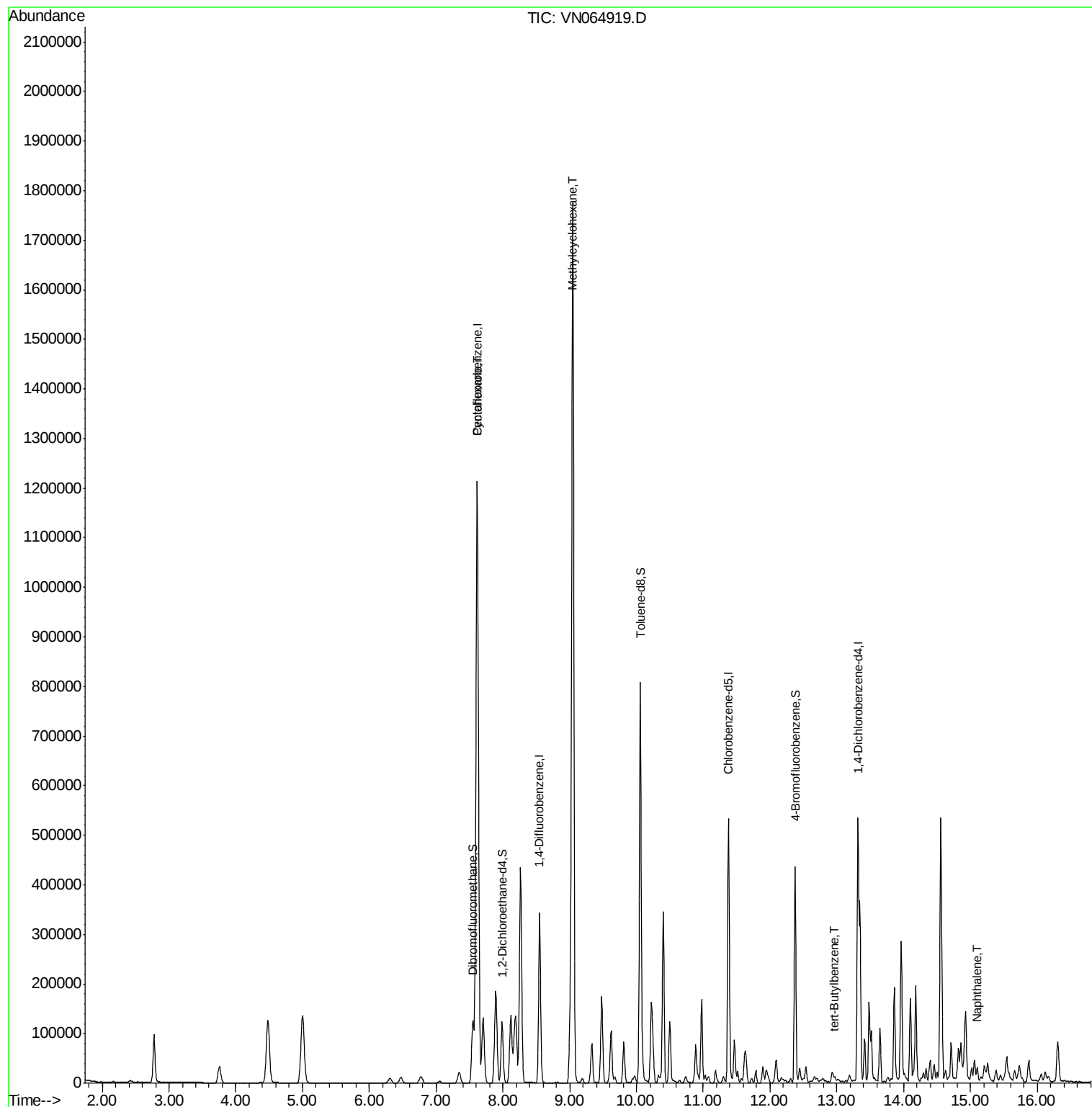
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.61	56	650219	212.780	ug/l	96
39) Methylcyclohexane	9.05	83	861761	269.990	ug/l	97
83) tert-Butylbenzene	12.97	119	5101	0.697	ug/l	86
95) Naphthalene	15.10	128	25241	2.755	ug/l	95

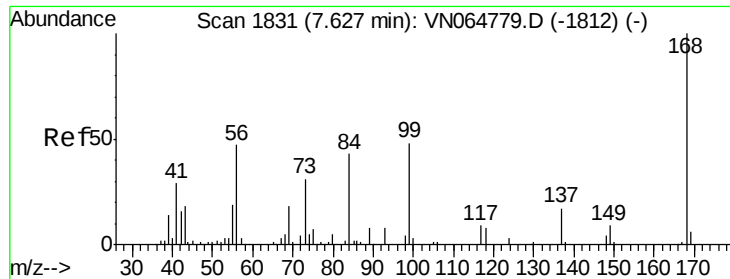
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064919.D

Acq: 4 Dec 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

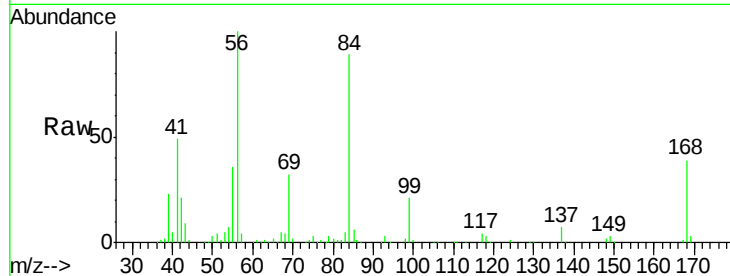
SS013-13-5045-120120

Tot Ion:168 Resp: 188592

Ion Ratio Lower Upper

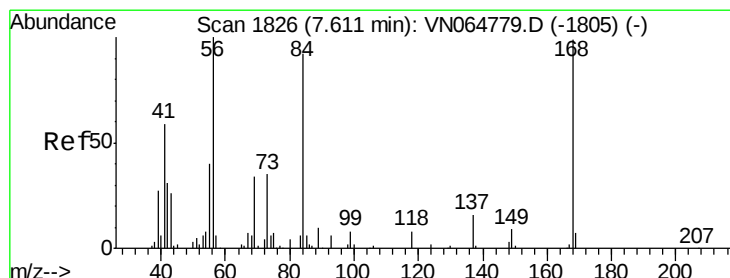
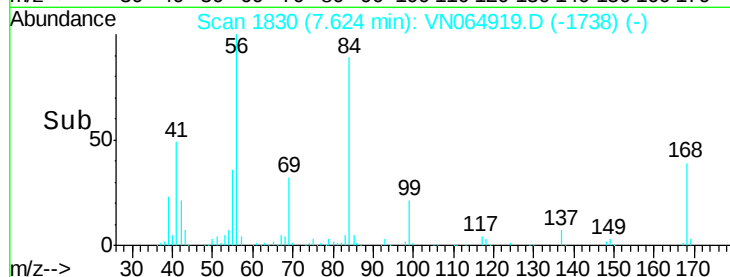
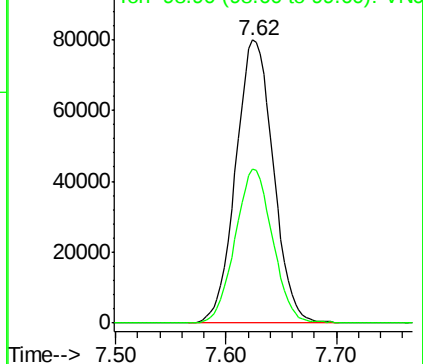
168 100

99 54.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#31

Cyclohexane

Concen: 212.780 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064919.D

Acq: 4 Dec 2020 15:17

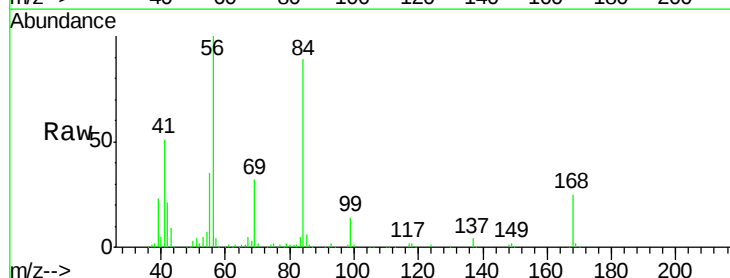
Tgt Ion: 56 Resp: 650219

Ion Ratio Lower Upper

56 100

69 31.8 27.5 41.3

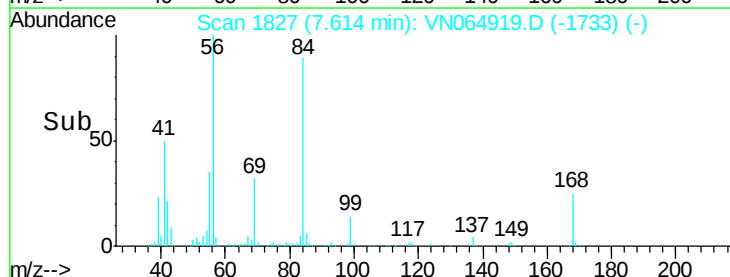
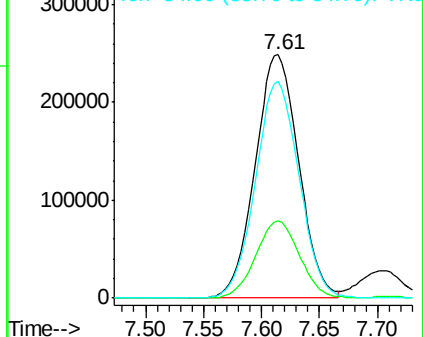
84 88.8 73.9 110.9

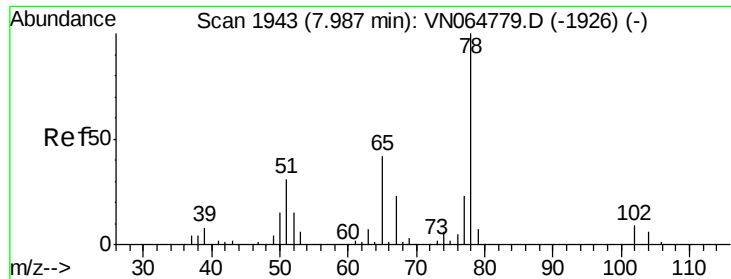


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.576 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064919.D

Acq: 4 Dec 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

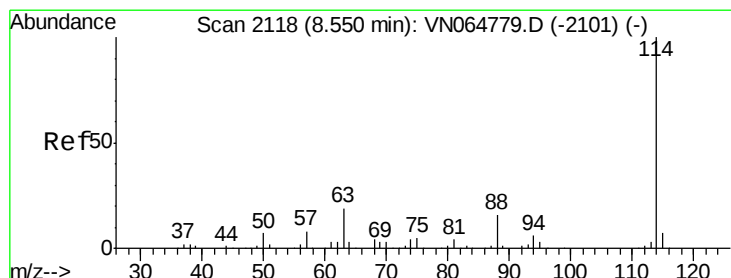
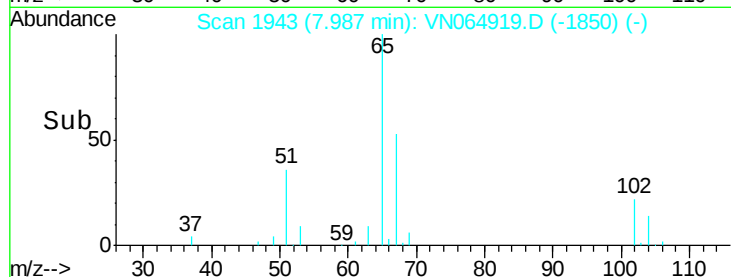
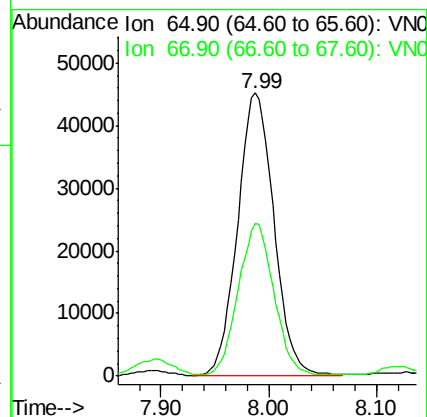
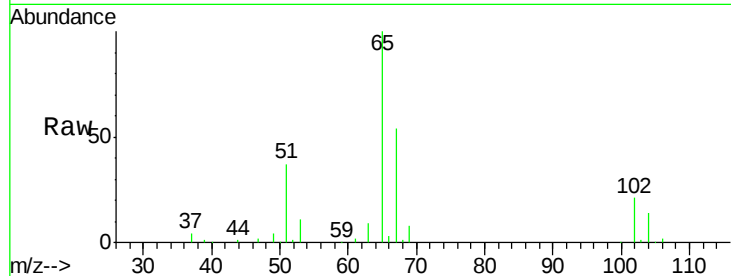
SS013-13-5045-120120

Tot Ion: 65 Resp: 106503

Ion Ratio Lower Upper

65 100

67 52.0 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064919.D

Acq: 4 Dec 2020 15:17

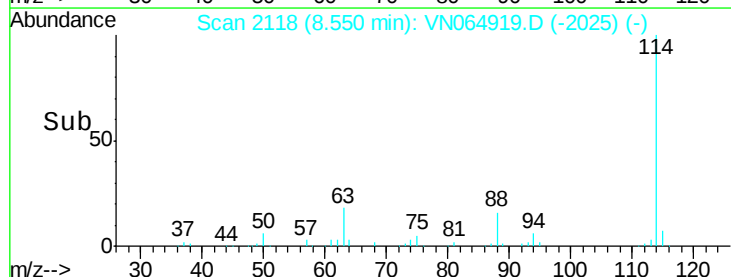
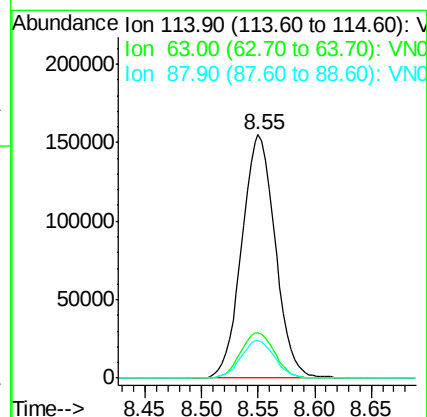
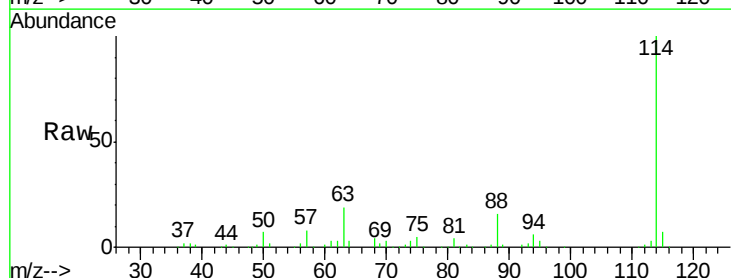
Tgt Ion: 114 Resp: 319883

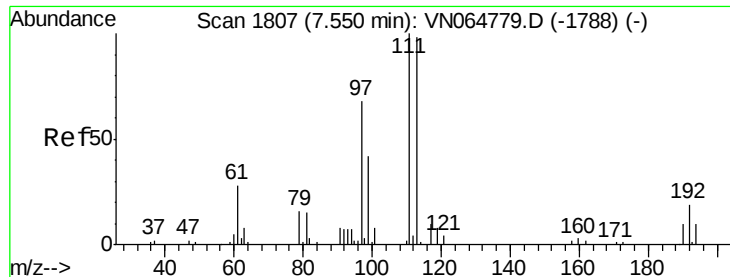
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

88 15.7 0.0 32.6

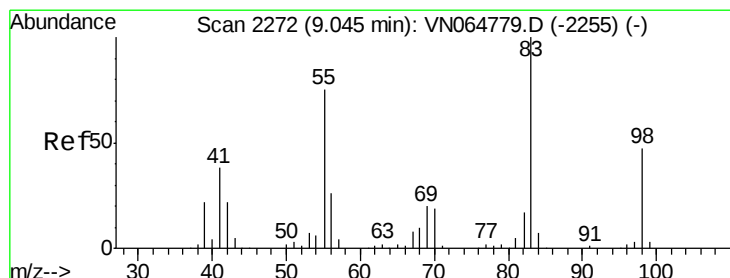
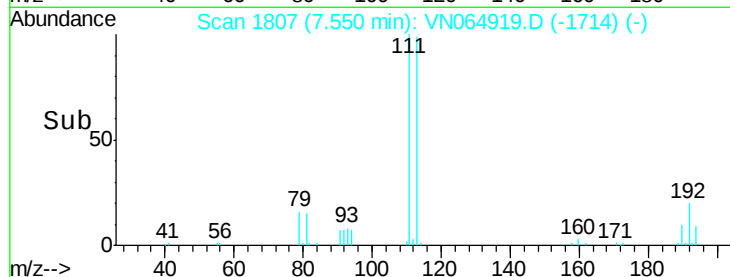
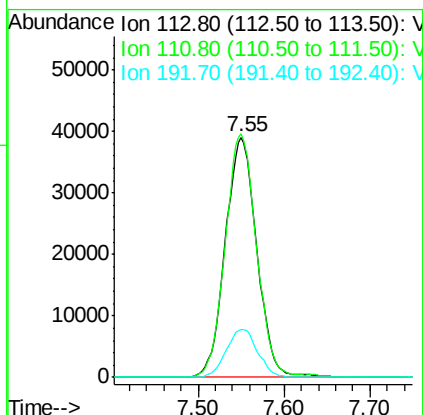
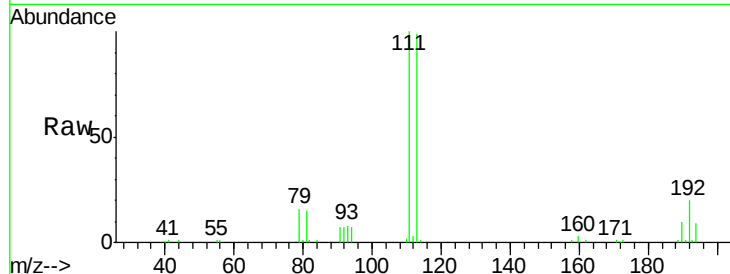




#35
Dibromofluoromethane
Concen: 51.817 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064919.D
Acq: 4 Dec 2020 15:17

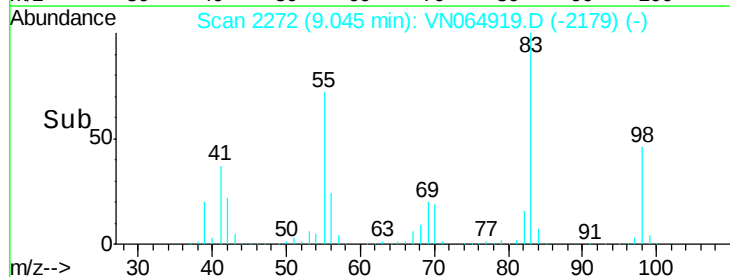
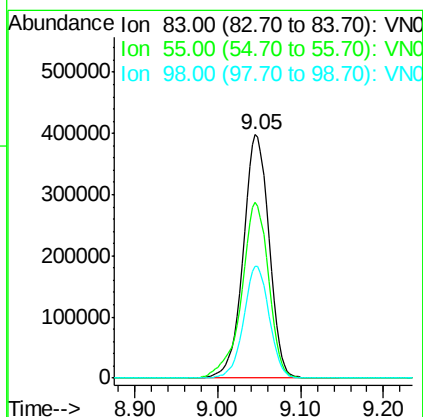
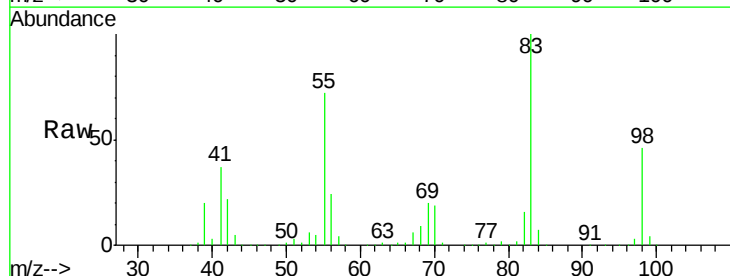
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-5045-120120

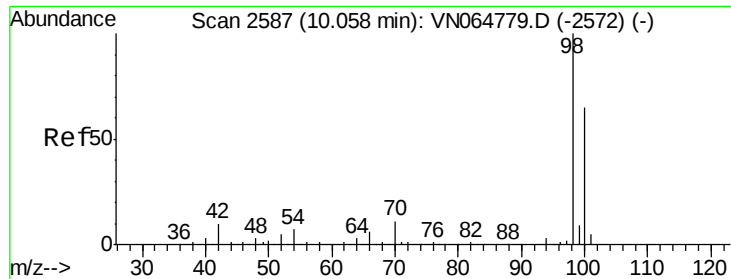
Tot Ion:113 Resp: 99181
Ion Ratio Lower Upper
113 100
111 100.2 81.6 122.4
192 19.9 16.2 24.2



#39
Methylcyclohexane
Concen: 269.990 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064919.D
Acq: 4 Dec 2020 15:17

Tgt Ion: 83 Resp: 861761
Ion Ratio Lower Upper
83 100
55 72.3 60.2 90.2
98 46.1 37.4 56.2





#50

Toluene-d8

Concen: 53.476 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064919.D

Acq: 4 Dec 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

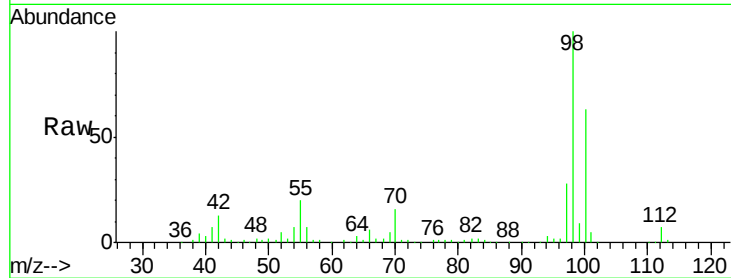
SS013-13-5045-120120

Tot Ion: 98 Resp: 418220

Ion Ratio Lower Upper

98 100

100 62.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064919.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064919.D (-2494) (-)

10.06

250000

200000

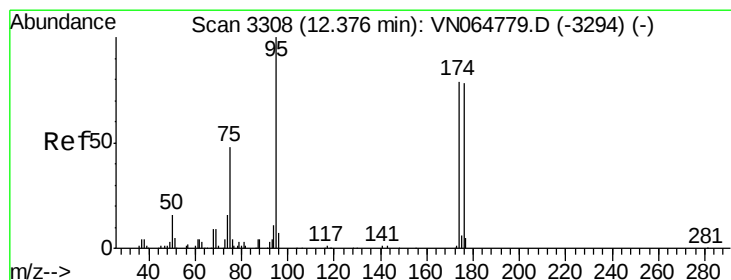
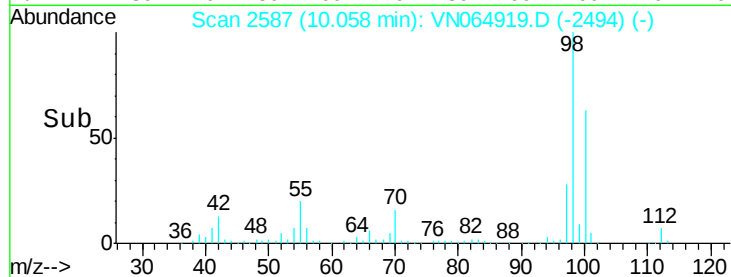
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.906 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064919.D

Acq: 4 Dec 2020 15:17

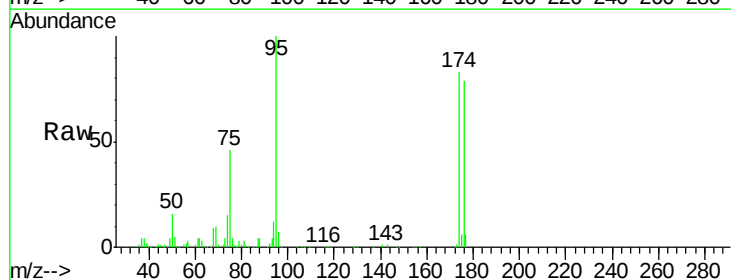
Tgt Ion: 95 Resp: 153676

Ion Ratio Lower Upper

95 100

174 83.2 0.0 160.4

176 79.0 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064919.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN064919.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN064919.D (-3215) (-)

12.38

120000

100000

80000

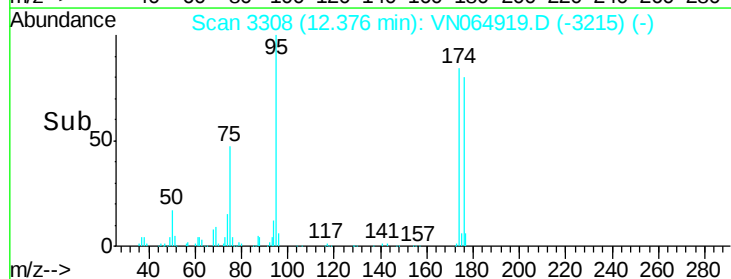
60000

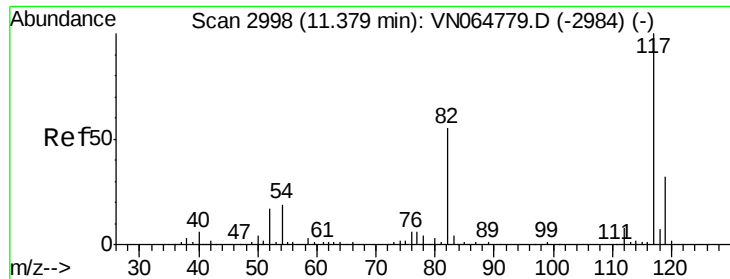
40000

20000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064919.D

Acq: 4 Dec 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-5045-120120

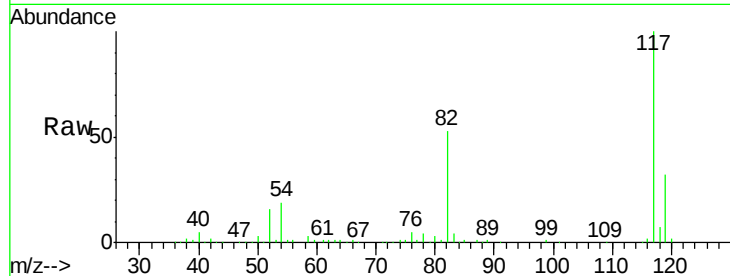
Tot Ion:117 Resp: 327647

Ion Ratio Lower Upper

117 100

82 53.4 44.2 66.2

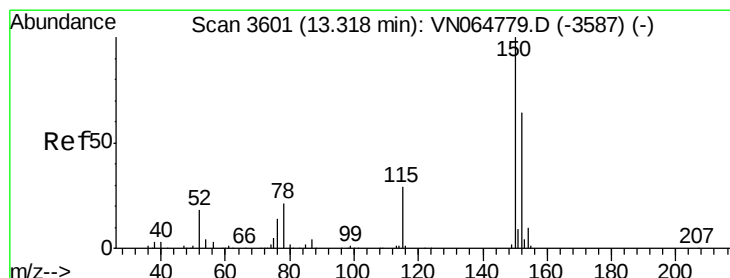
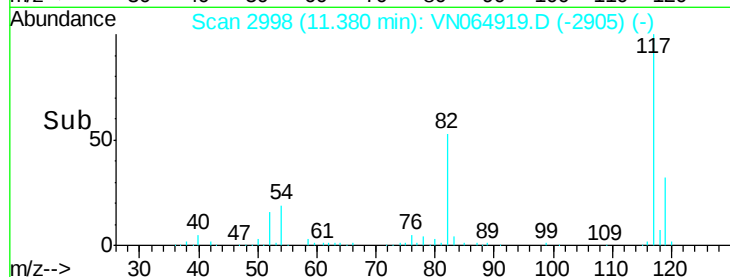
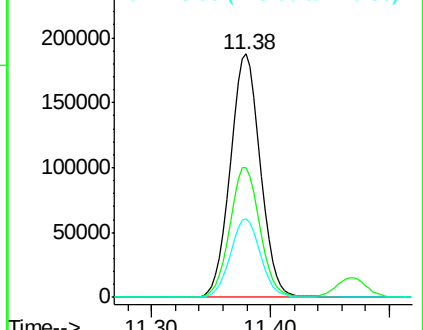
119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064919.D

Acq: 4 Dec 2020 15:17

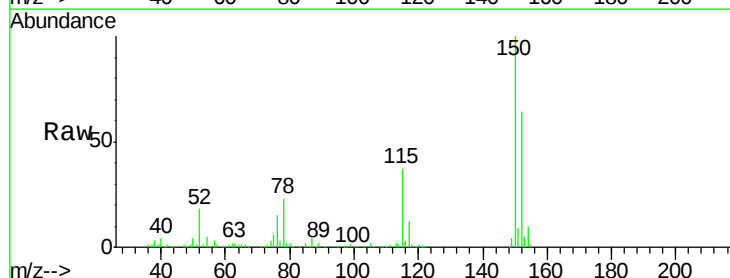
Tgt Ion:152 Resp: 151110

Ion Ratio Lower Upper

152 100

115 64.0 29.7 89.1

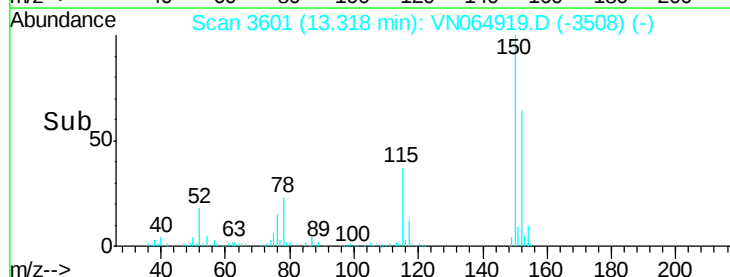
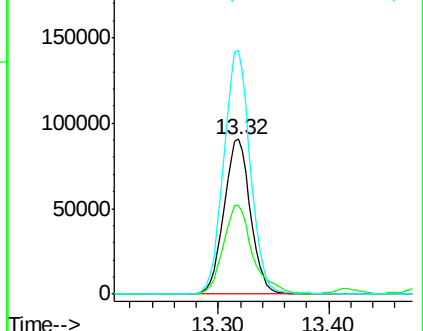
150 157.4 0.0 350.6

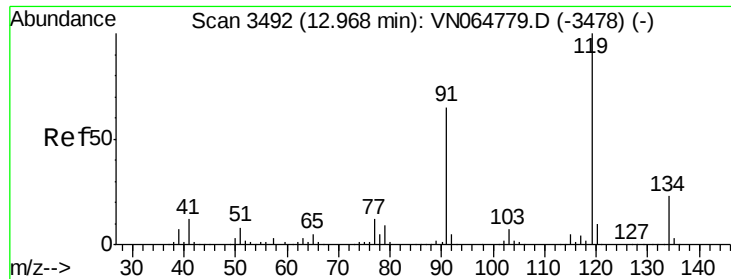


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

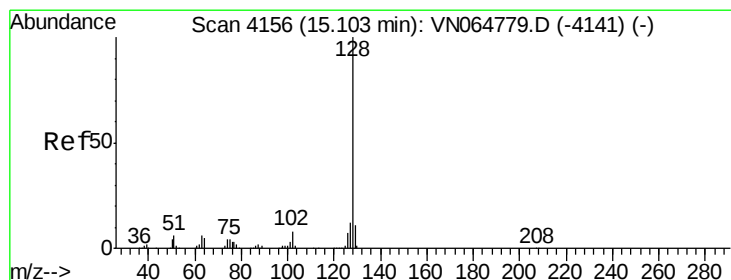
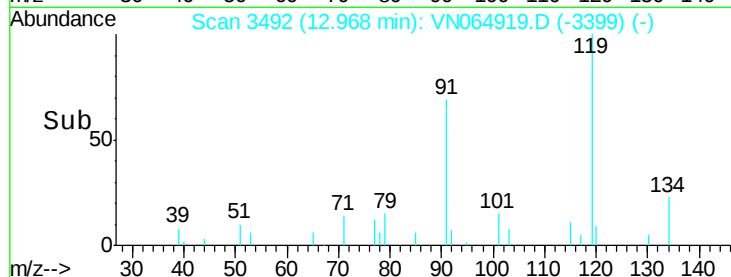
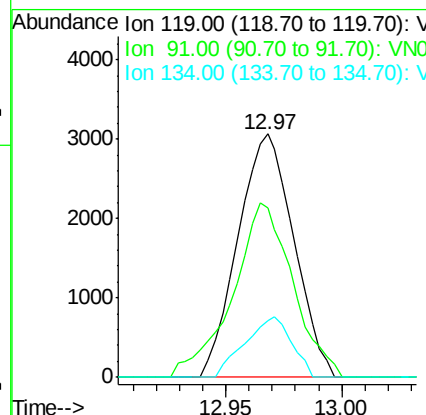
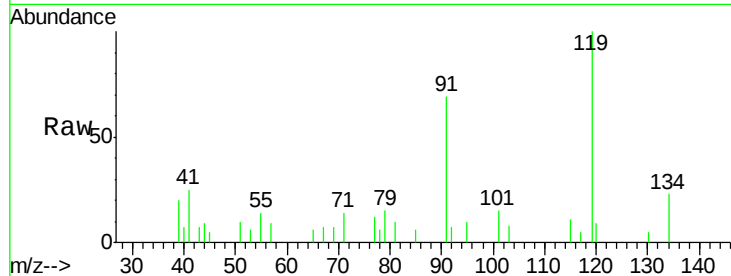




#83
tert-Butylbenzene
Concen: 0.697 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064919.D
Acq: 4 Dec 2020 15:17

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Tot Ion:119 Resp: 5101
Ion Ratio Lower Upper
119 100
91 77.2 32.3 96.8
134 20.8 12.6 37.6



#95
Naphthalene
Concen: 2.755 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064919.D
Acq: 4 Dec 2020 15:17

Tgt Ion:128 Resp: 25241
Ion Ratio Lower Upper
128 100
127 14.8 10.3 15.5
129 9.0 8.7 13.1

