

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064924.D
 Acq On : 4 Dec 2020 17:18
 Operator : JC/MD
 Sample : L4954-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-PMP04D-120120

Quant Time: Dec 07 10:10:33 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	7.63	168	176127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	309084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	317509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146598	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	104993	51.28	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.56%	
35) Dibromofluoromethane		7.55	113	96590	52.23	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.46%	
50) Toluene-d8		10.06	98	389111	51.49	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.98%	
62) 4-Bromofluorobenzene		12.38	95	152911	56.54	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	113.08%	

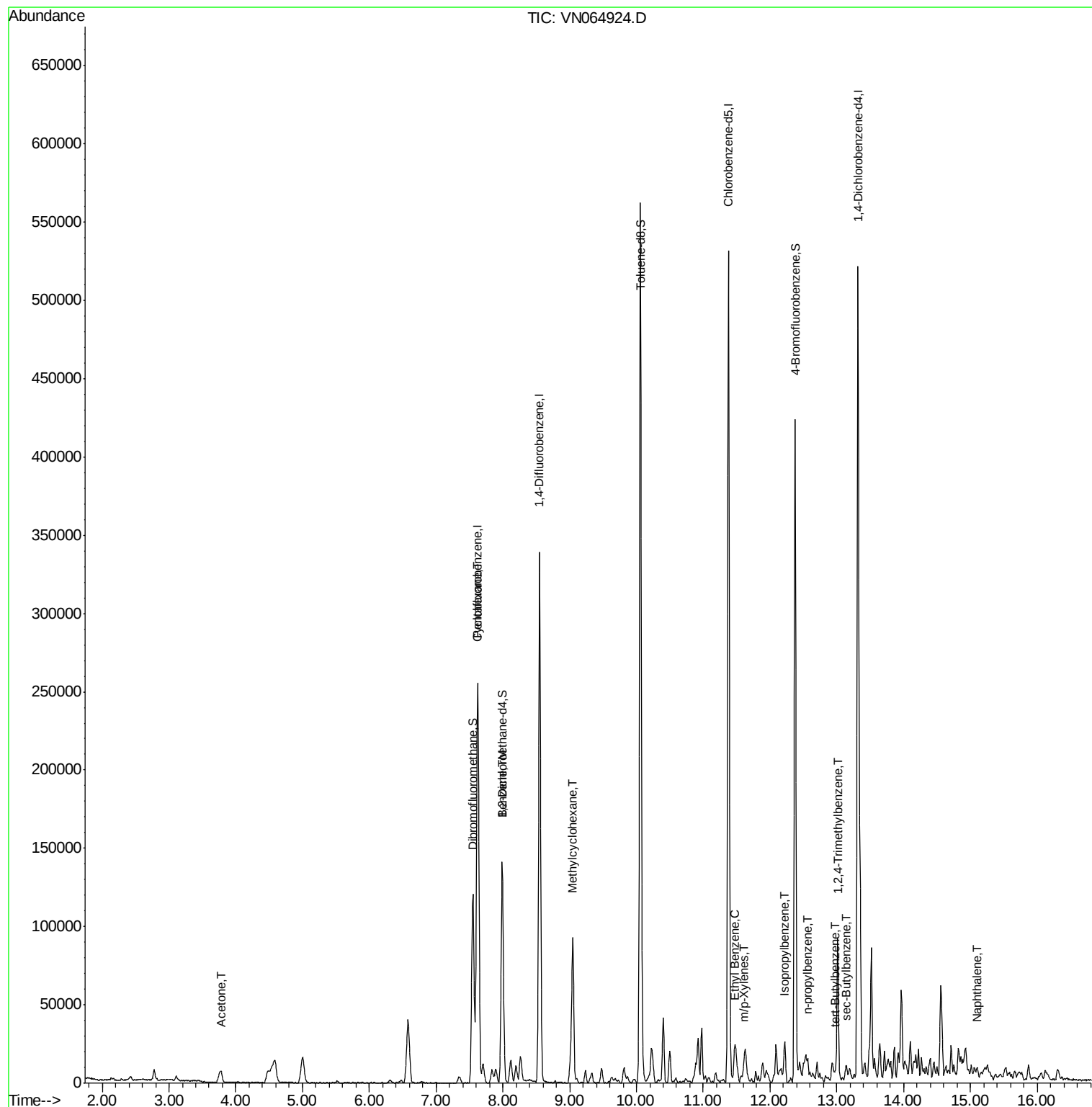
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	11584	17.210	ug/l	99
31) Cyclohexane	7.61	56	38824	13.604	ug/l	96
39) Methylcyclohexane	9.05	83	40902	13.262	ug/l	97
40) Benzene	8.00	78	29855	3.401	ug/l	98
67) Ethyl Benzene	11.49	91	10437	0.916	ug/l	92
68) m/p-Xylenes	11.59	106	1944	0.451	ug/l	80
73) Isopropylbenzene	12.22	105	14326	1.405	ug/l	96
78) n-propylbenzene	12.57	91	11594	0.998	ug/l	97
83) tert-Butylbenzene	12.97	119	1954	0.275	ug/l	84
84) 1,2,4-Trimethylbenzene	13.01	105	50861	5.935	ug/l	99
85) sec-Butylbenzene	13.14	105	5931	0.629	ug/l	90
95) Naphthalene	15.11	128	5333	0.600	ug/l #	95

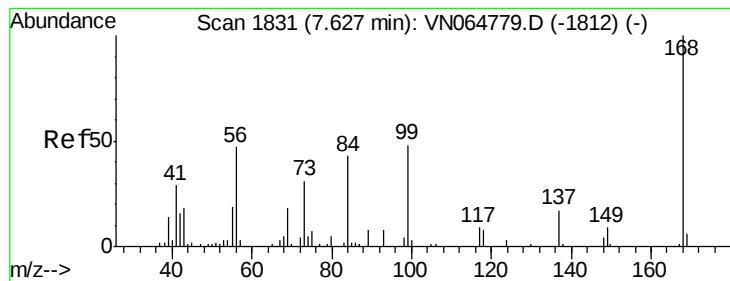
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 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: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

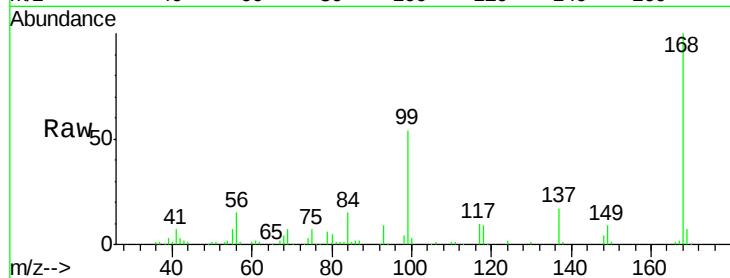
SS013-PMP04D-120120

Tot Ion:168 Resp: 176127

Ion Ratio Lower Upper

168 100

99 54.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064924.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN064924.D (-1738) (-)

7.63

80000

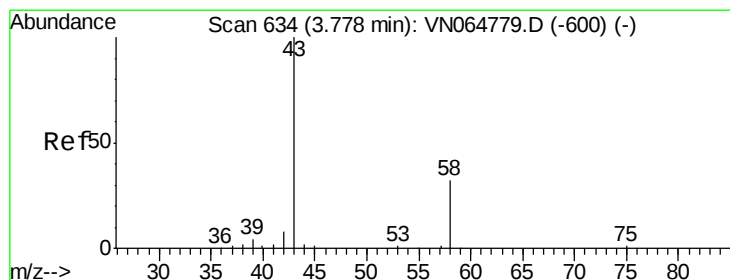
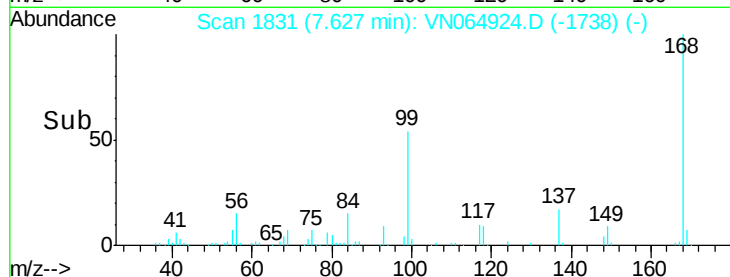
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 17.210 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN064924.D

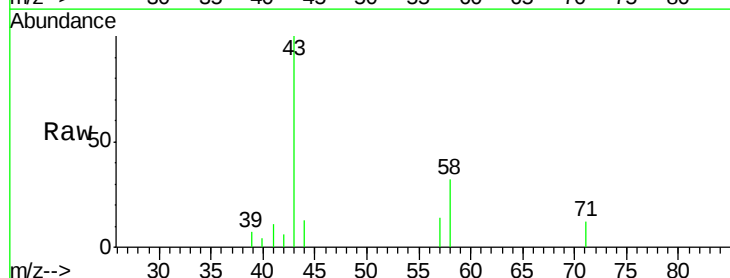
Acq: 4 Dec 2020 17:18

Tgt Ion: 43 Resp: 11584

Ion Ratio Lower Upper

43 100

58 32.4 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064924.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN064924.D (-541) (-)

3.78

4000

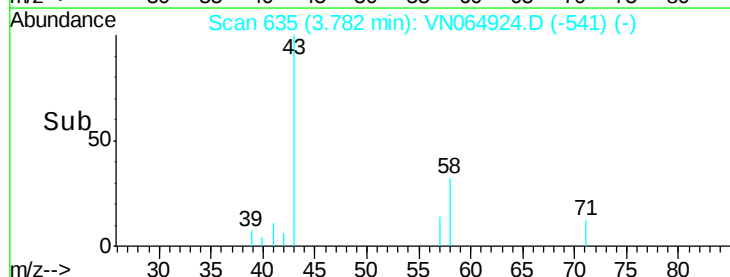
3000

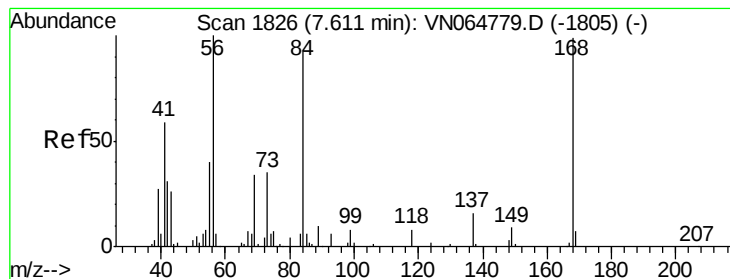
2000

1000

0

Time--> 3.65 3.70 3.75 3.80 3.85





#31

Cyclohexane

Concen: 13.604 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

SS013-PMP04D-120120

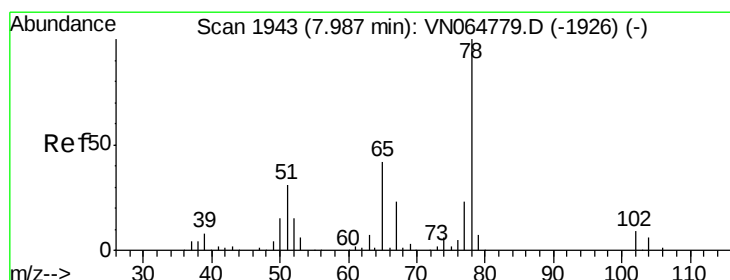
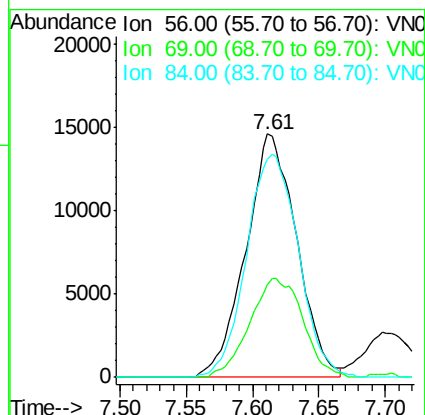
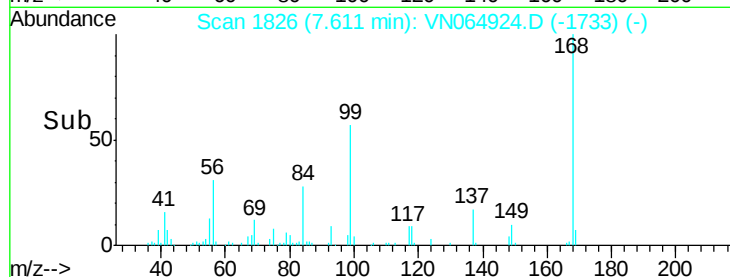
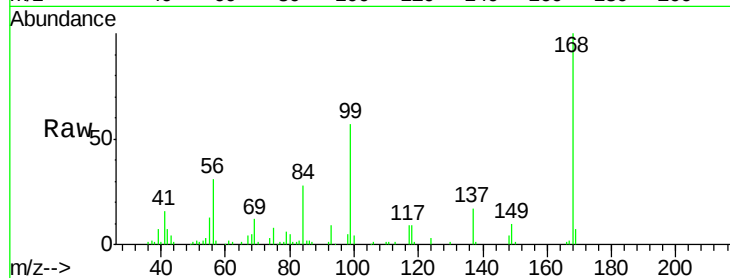
Tot Ion: 56 Resp: 38824

Ion Ratio Lower Upper

56 100

69 38.1 27.5 41.3

84 89.6 73.9 110.9



#33

1,2-Dichloroethane-d4

Concen: 51.276 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064924.D

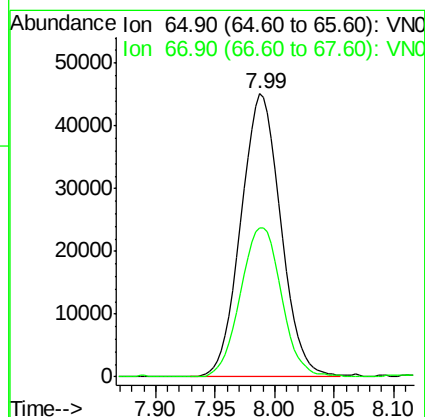
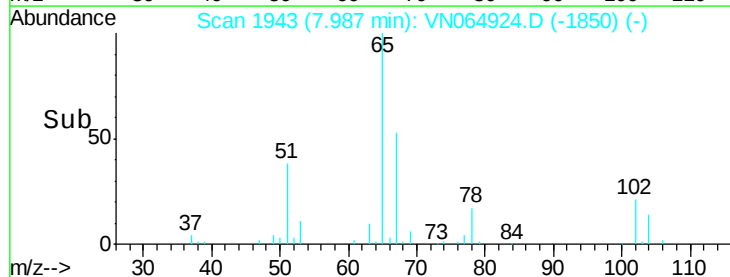
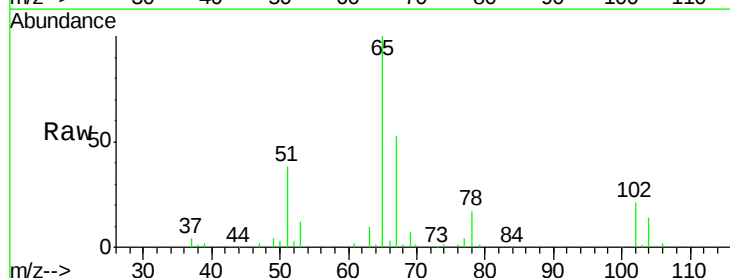
Acq: 4 Dec 2020 17:18

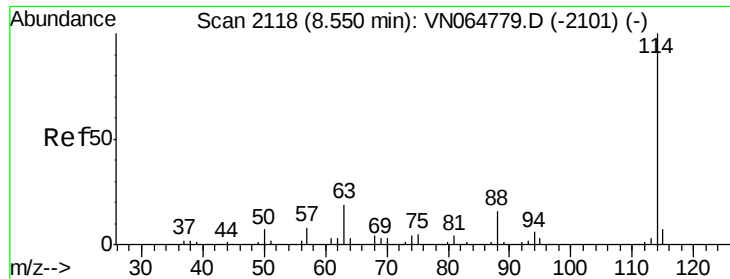
Tgt Ion: 65 Resp: 104993

Ion Ratio Lower Upper

65 100

67 54.1 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: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

SS013-PMP04D-120120

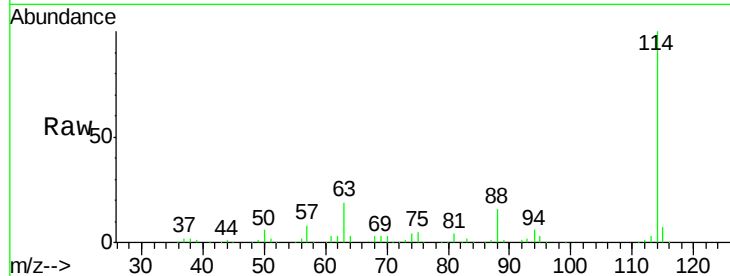
Tot Ion:114 Resp: 309084

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

88 16.3 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.55

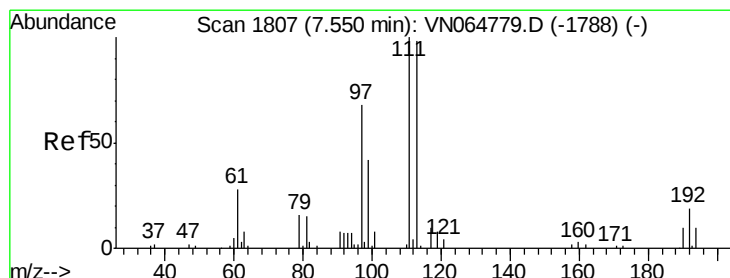
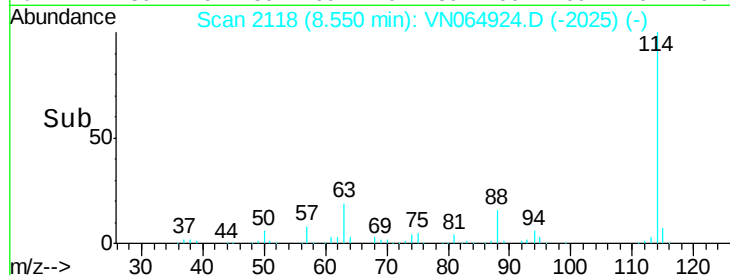
150000

100000

50000

0

Time--> 8.45 8.50 8.55 8.60 8.65



#35

Dibromofluoromethane

Concen: 52.226 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

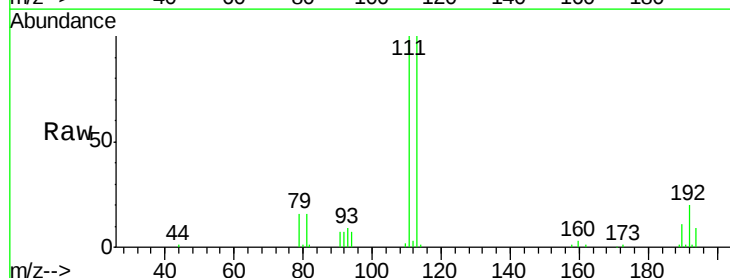
Tgt Ion:113 Resp: 96590

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

192 19.4 16.2 24.2



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

7.55

50000

40000

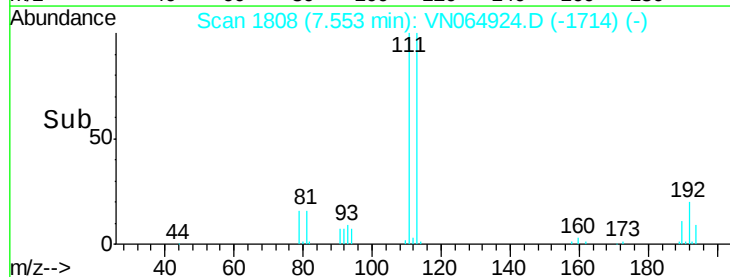
30000

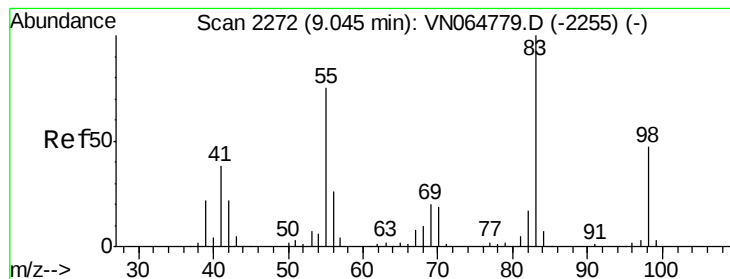
20000

10000

0

Time--> 7.50 7.55 7.60 7.70





#39

Methvlcvclohexane

Concen: 13.262 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

SS013-PMP04D-120120

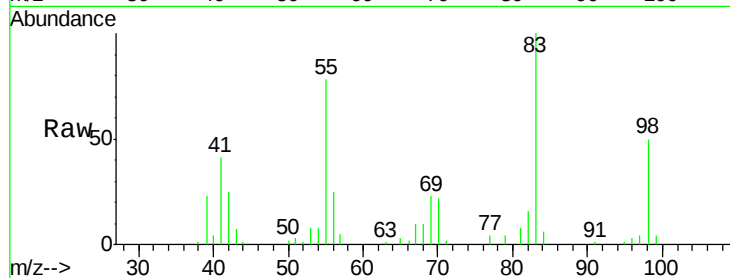
Tot Ion: 83 Resp: 40902

Ion Ratio Lower Upper

83 100

55 77.3 60.2 90.2

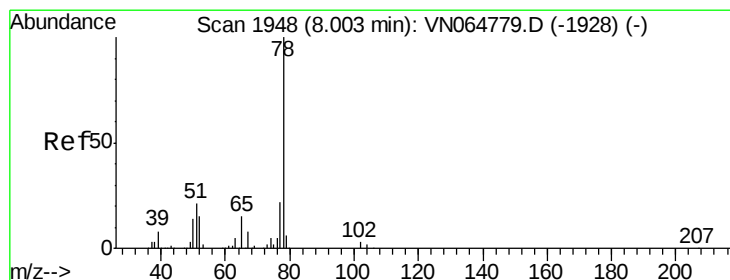
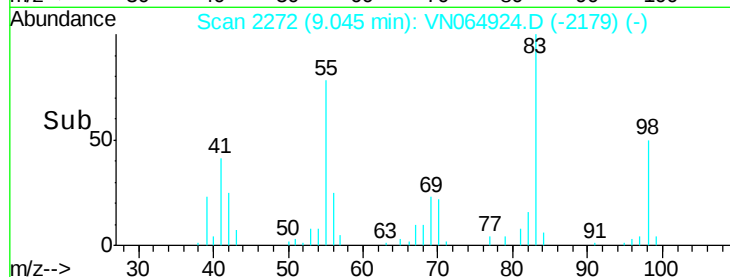
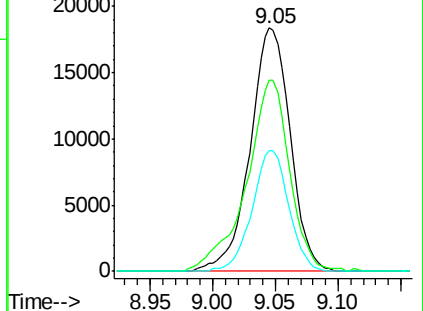
98 49.5 37.4 56.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 3.401 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064924.D

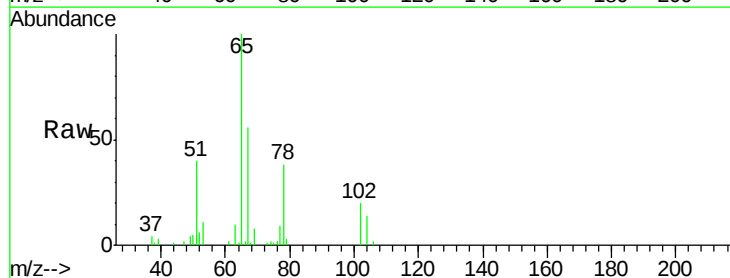
Acq: 4 Dec 2020 17:18

Tgt Ion: 78 Resp: 29855

Ion Ratio Lower Upper

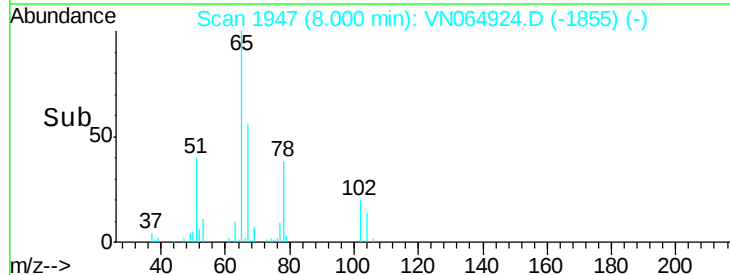
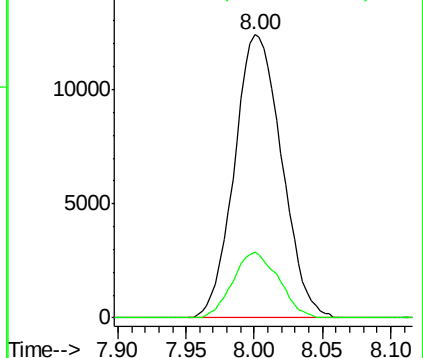
78 100

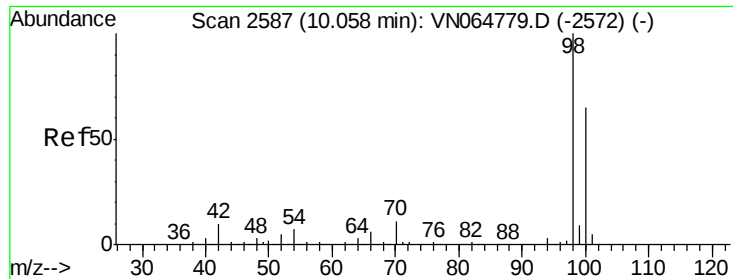
77 23.3 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#50

Toluene-d8

Concen: 51.492 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

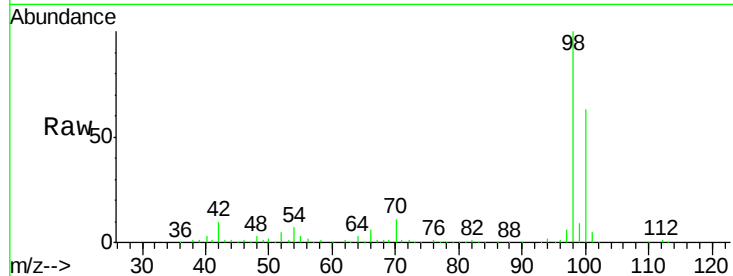
SS013-PMP04D-120120

Tot Ion: 98 Resp: 389111

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

250000

200000

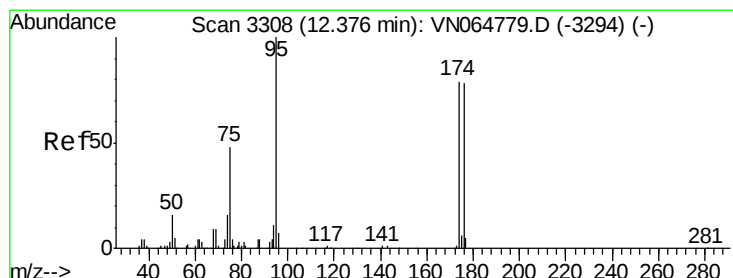
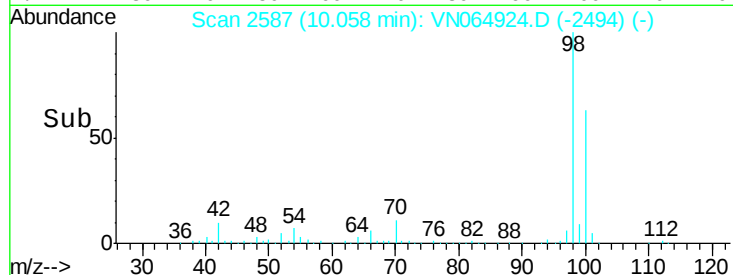
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.541 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

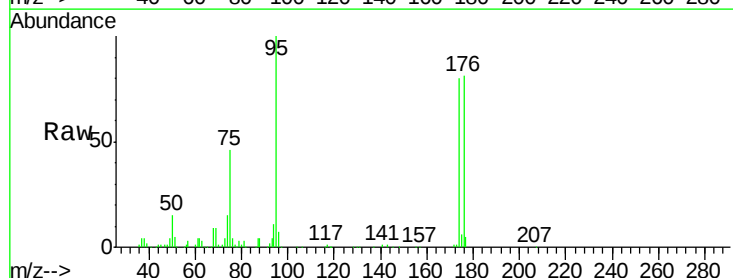
Tgt Ion: 95 Resp: 152911

Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.4

176 79.0 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)

12.38

120000

100000

80000

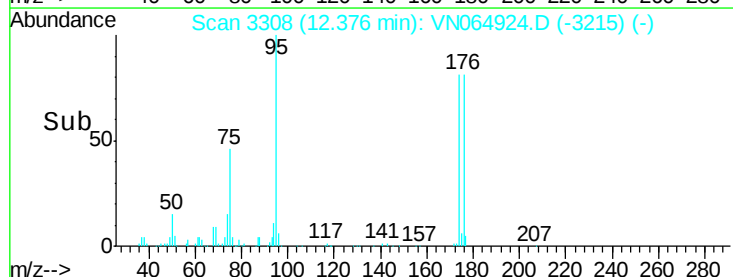
60000

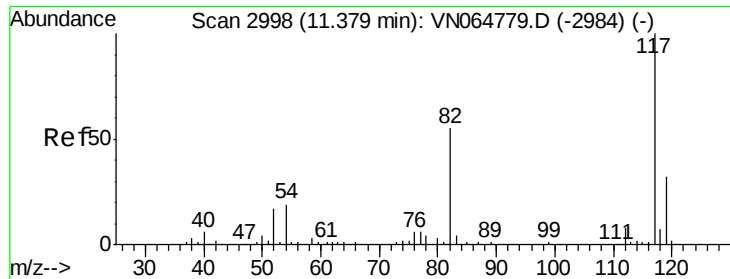
40000

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: VN064924.D

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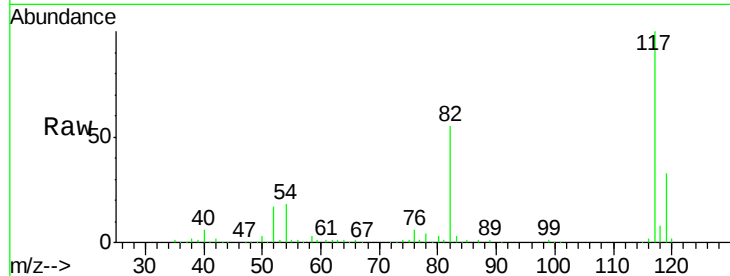
Tot Ion:117 Resp: 317509

Ion Ratio Lower Upper

117 100

82 54.8 44.2 66.2

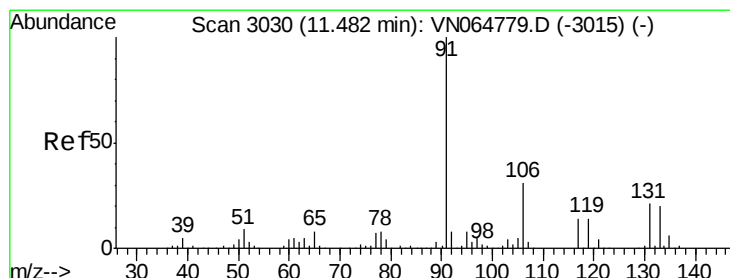
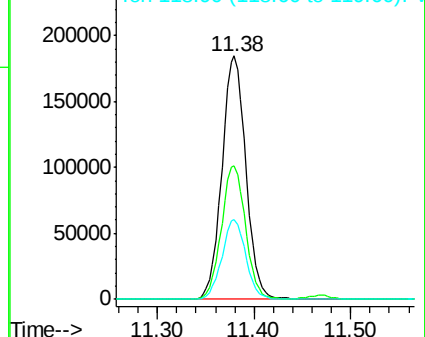
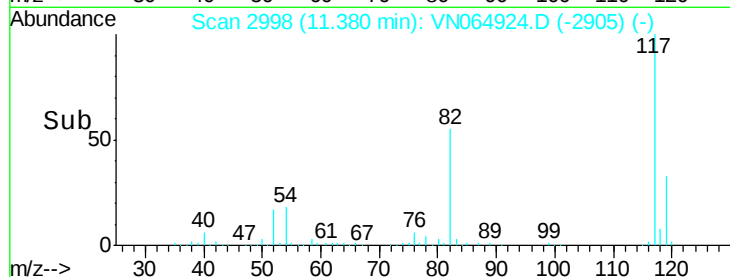
119 32.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 0.916 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN064924.D

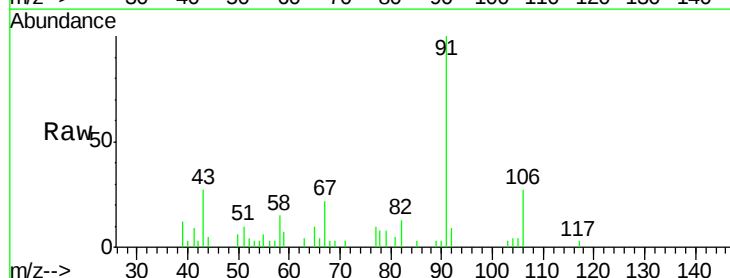
Acq: 4 Dec 2020 17:18

Tgt Ion: 91 Resp: 10437

Ion Ratio Lower Upper

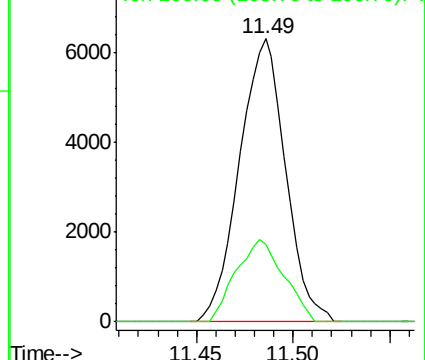
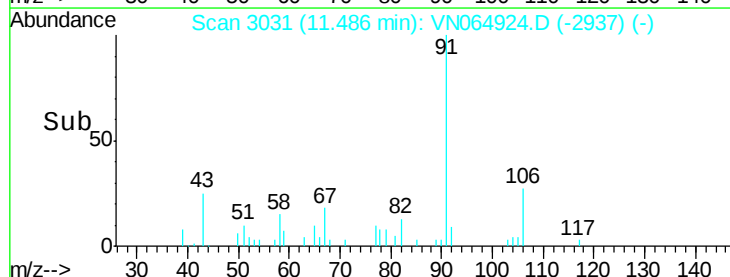
91 100

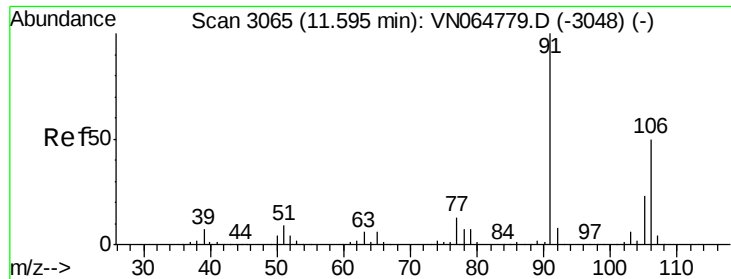
106 27.1 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

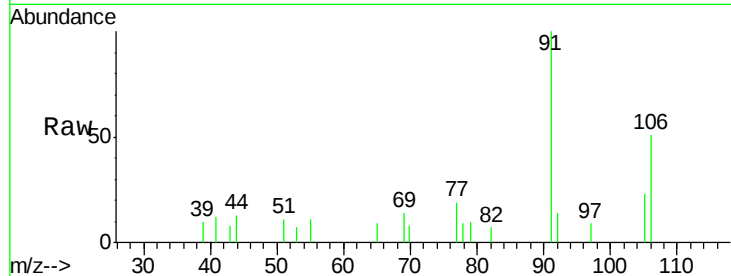




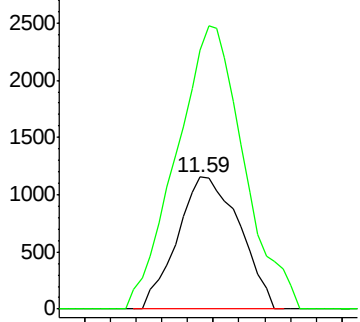
#68
m/p-Xvlenes
Concen: 0.451 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064924.D
Acq: 4 Dec 2020 17:18

Instrument :
MSVOA_N
ClientSampleId :
SS013-PMP04D-120120

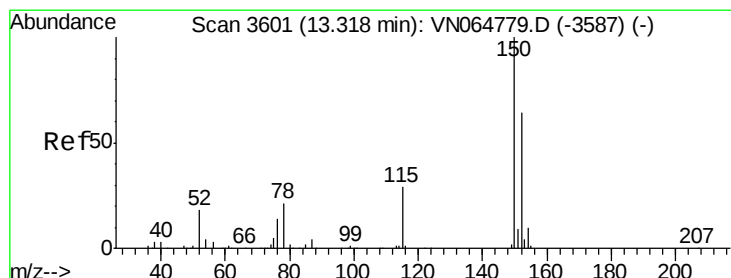
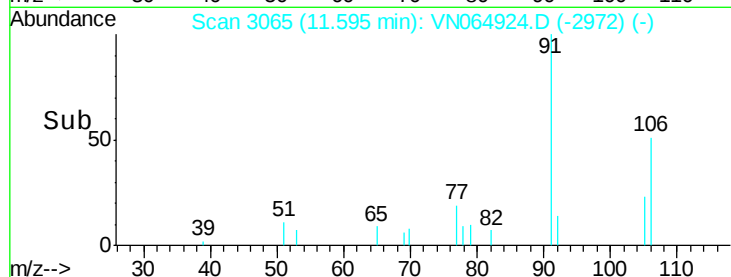
Tot Ion:106 Resp: 1944
Ion Ratio Lower Upper
106 100
91 231.9 161.0 241.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

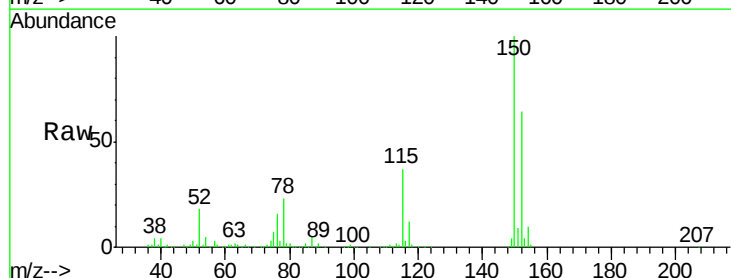


Time-->

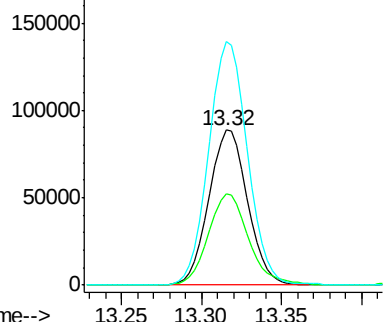


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064924.D
Acq: 4 Dec 2020 17:18

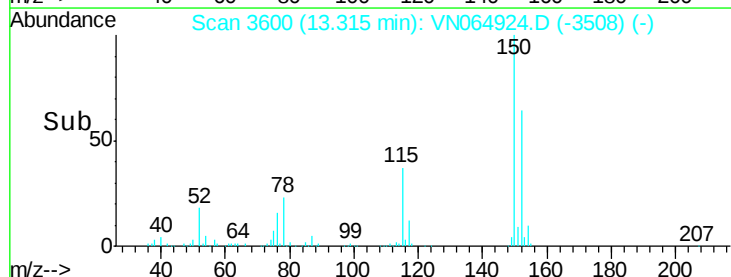
Tgt Ion:152 Resp: 146598
Ion Ratio Lower Upper
152 100
115 62.1 29.7 89.1
150 157.8 0.0 350.6

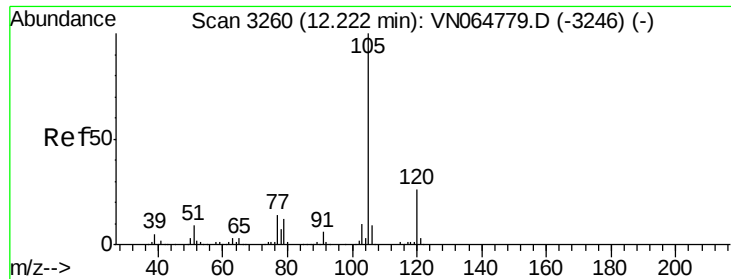


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#73

Isopropylbenzene

Concen: 1.405 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

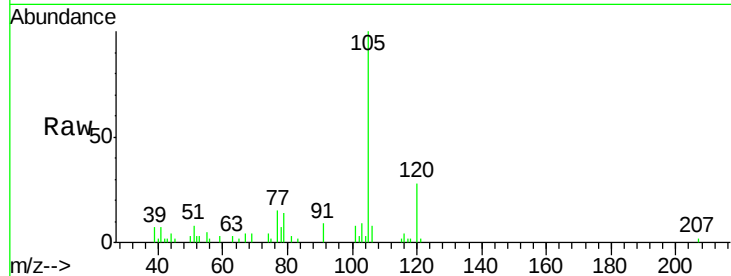
SS013-PMP04D-120120

Tot Ion:105 Resp: 14326

Ion Ratio Lower Upper

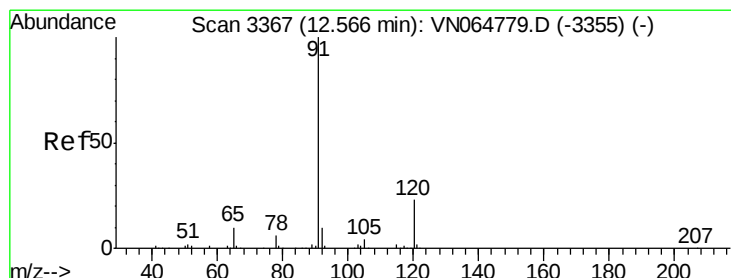
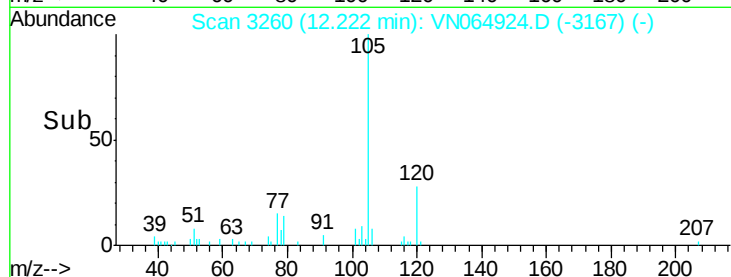
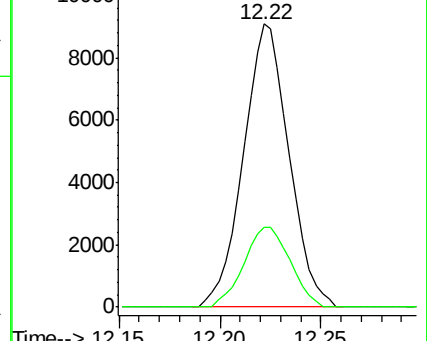
105 100

120 28.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.998 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064924.D

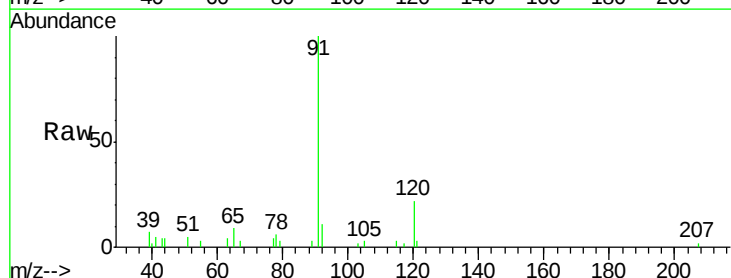
Acq: 4 Dec 2020 17:18

Tgt Ion: 91 Resp: 11594

Ion Ratio Lower Upper

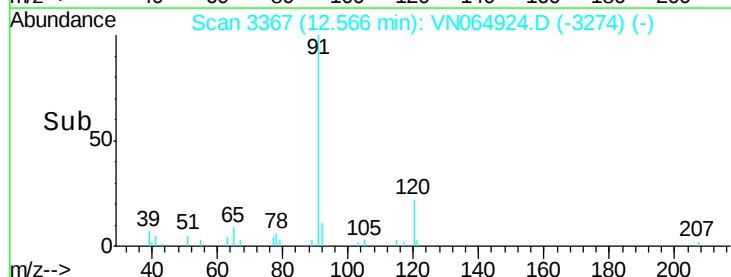
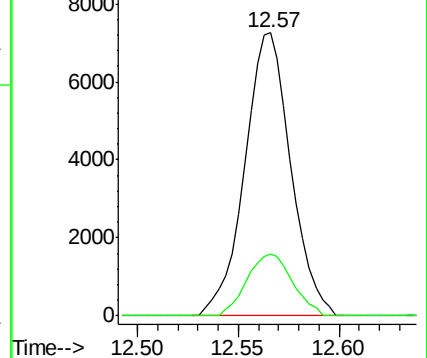
91 100

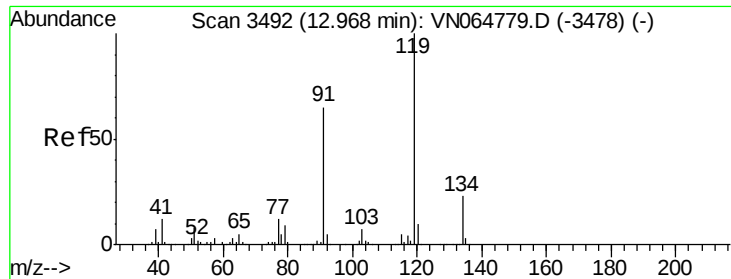
120 21.7 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

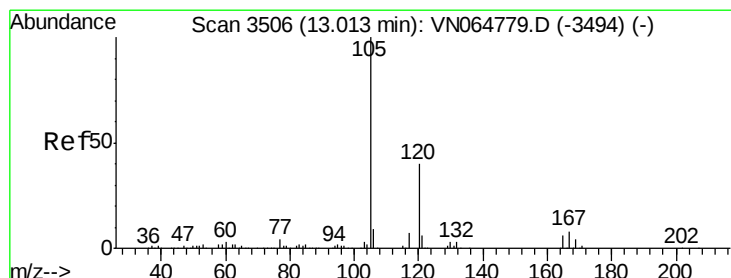
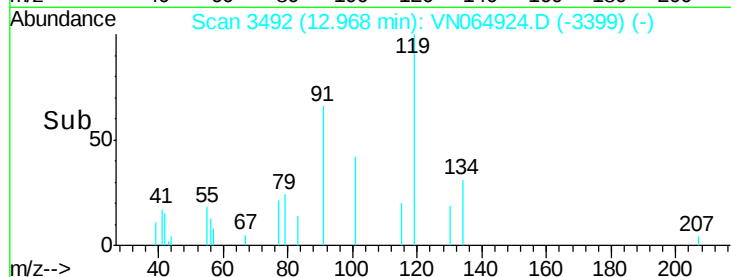
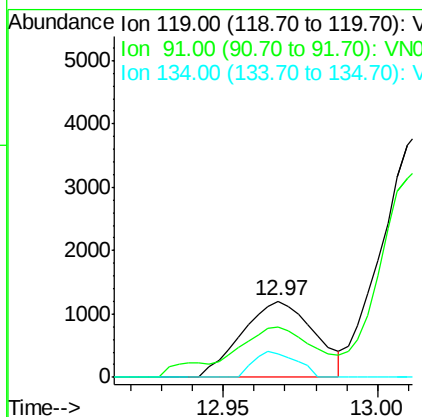
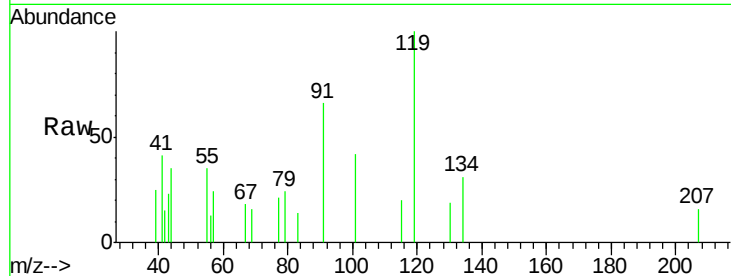




#83
tert-Butylbenzene
Concen: 0.275 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064924.D
Acq: 4 Dec 2020 17:18

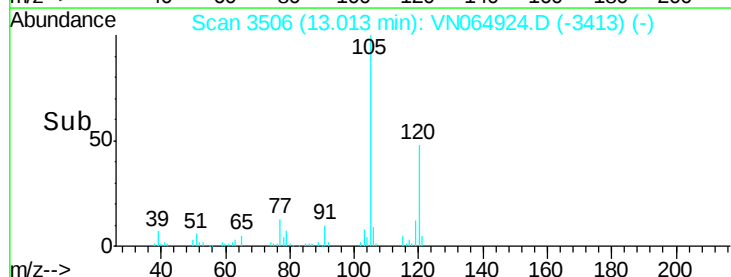
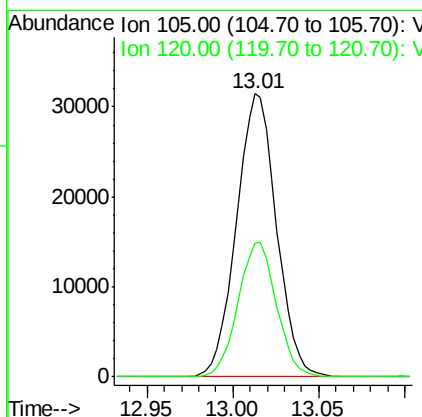
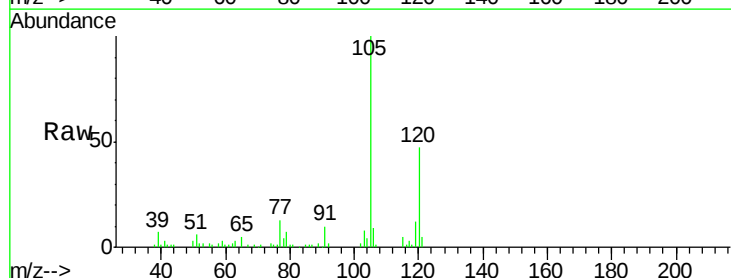
Instrument :
MSVOA_N
ClientSampleId :
SS013-PMP04D-120120

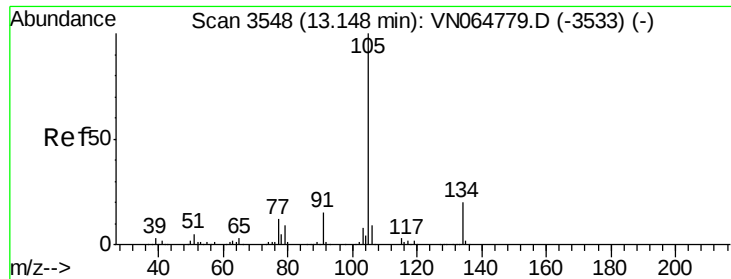
Tot Ion:119 Resp: 1954
Ion Ratio Lower Upper
119 100
91 79.2 32.3 96.8
134 19.9 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 5.935 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064924.D
Acq: 4 Dec 2020 17:18

Tgt Ion:105 Resp: 50861
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 0.629 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

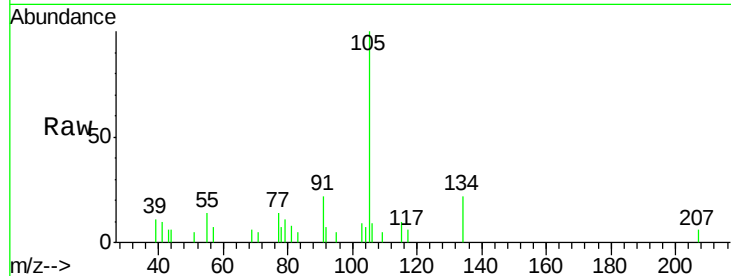
SS013-PMP04D-120120

Tot Ion:105 Resp: 5931

Ion Ratio Lower Upper

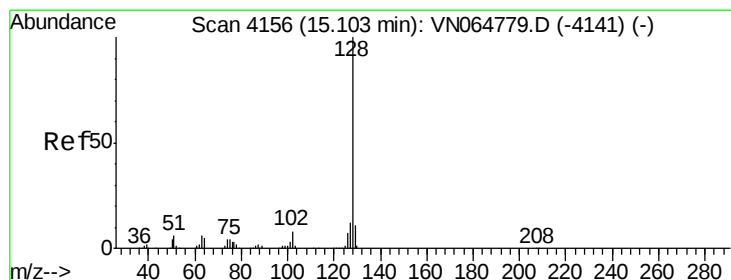
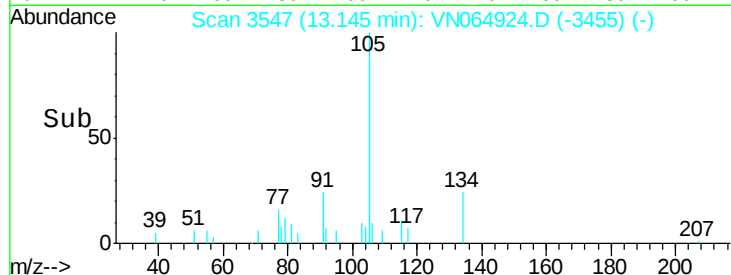
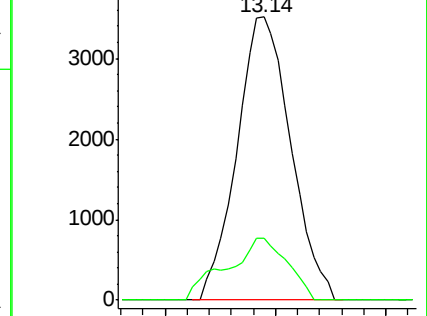
105 100

134 24.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 0.600 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

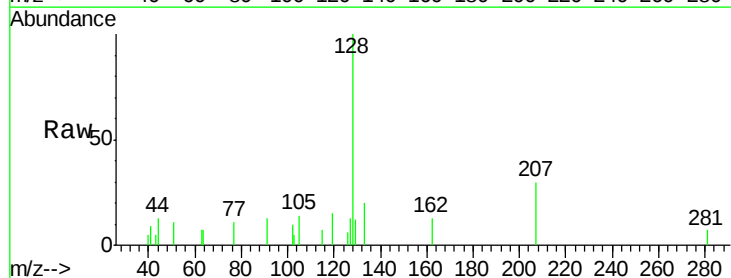
Tgt Ion:128 Resp: 5333

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

129 14.4 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

