

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052119\
 Data File : VN055718.D
 Acq On : 21 May 2019 18:43
 Operator : JC/SP
 Sample : K2977-04 50X
 Misc : 5.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-W-2R(17-20)

Quant Time: May 22 06:36:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	442468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	586704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	518557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	239650	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	180771	37.27	ug/l	0.00
Spiked Amount			Recovery	=	74.54%	
35) Dibromofluoromethane	7.59	113	176650	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	10.09	98	679925	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.40	95	255069	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	

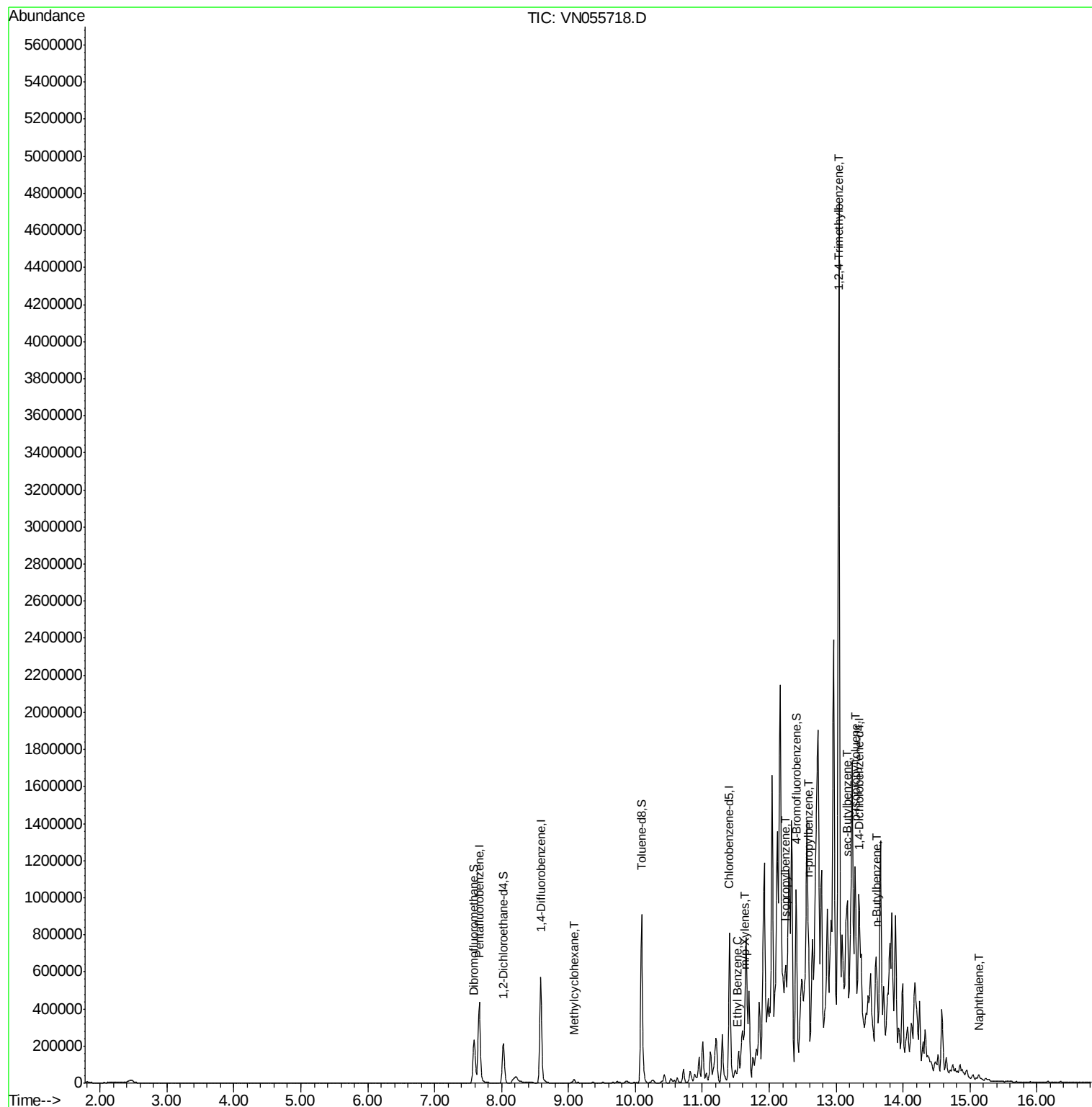
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.08	83	8753	1.388	ug/l	91
67) Ethyl Benzene	11.51	91	10635	0.569	ug/l	96
68) m/p-Xylenes	11.63	106	51910	7.357	ug/l	98
73) Isopropylbenzene	12.25	105	130241	5.605	ug/l	99
78) n-propylbenzene	12.59	91	399343	18.765	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2464055	176.179	ug/l	98
85) sec-Butylbenzene	13.17	105	248685	13.982	ug/l #	63
86) p-Isopropyltoluene	13.29	119	271004	17.015	ug/l	98
89) n-Butylbenzene	13.61	91	175170	13.320	ug/l #	68
95) Naphthalene	15.13	128	24880	3.690	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055718.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

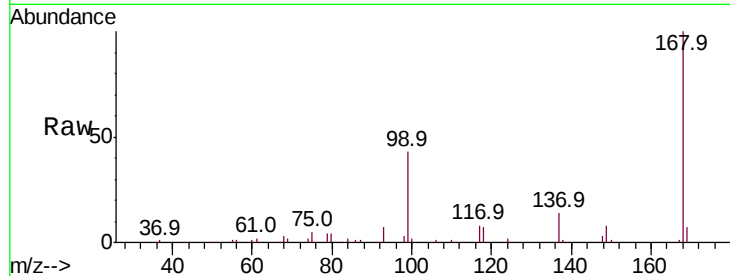
EP1-W-2R(17-20)

Tot Ion:168 Resp: 442468

Ion Ratio Lower Upper

168 100

99 42.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN055718.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055718.D (-1740) (-)

7.67

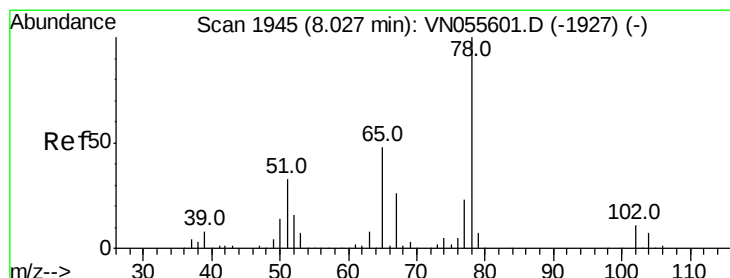
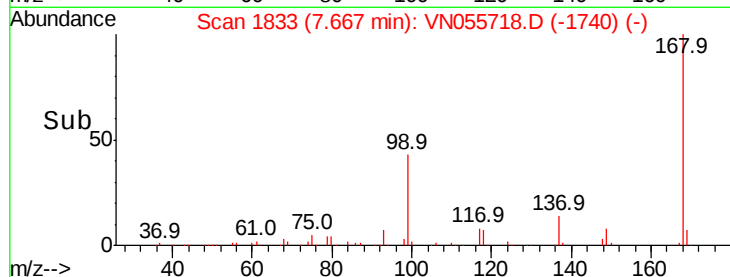
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#33

1,2-Dichloroethane-d4

Concen: 37.270 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055718.D

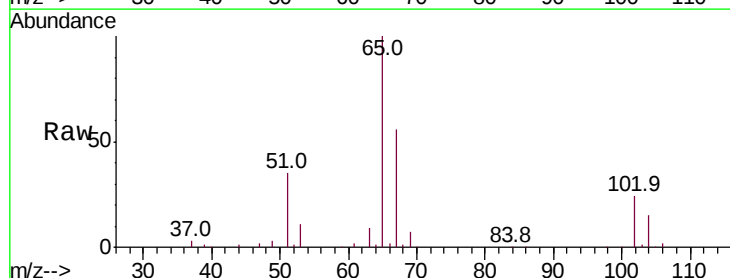
Acq: 21 May 2019 18:43

Tgt Ion: 65 Resp: 180771

Ion Ratio Lower Upper

65 100

67 54.6 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN055718.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055718.D (-1852) (-)

8.03

80000

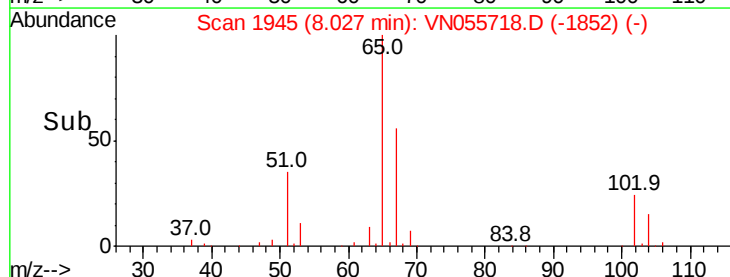
60000

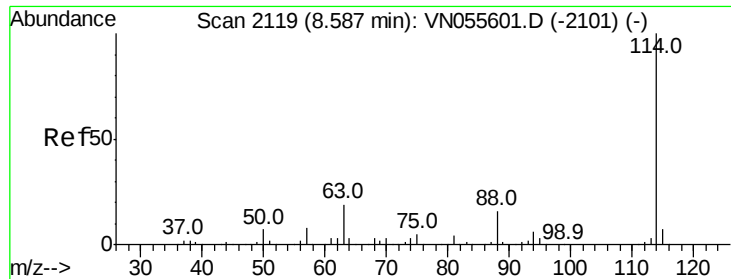
40000

20000

0

Time--> 7.90 8.00 8.10

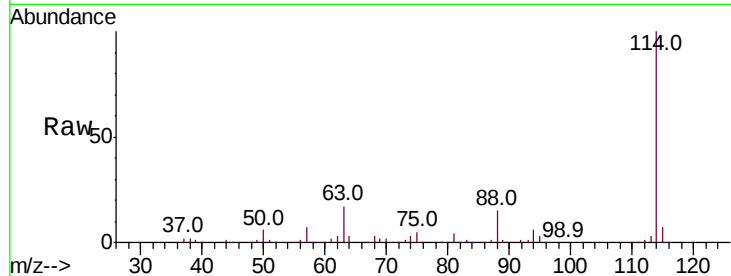




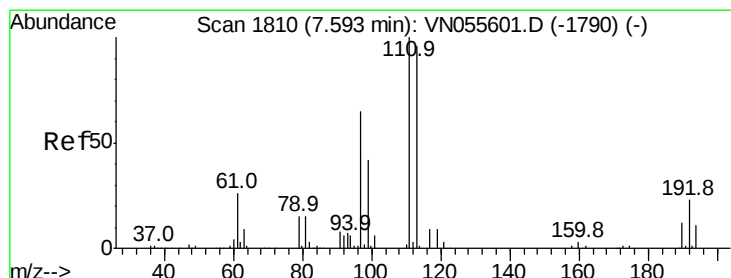
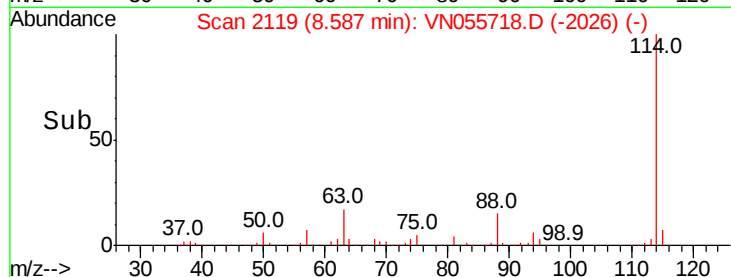
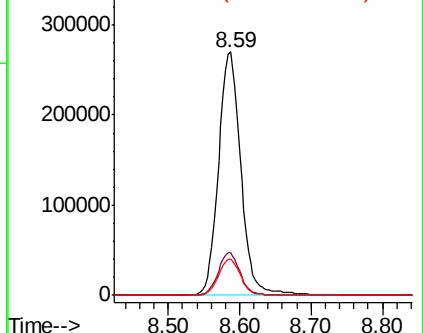
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055718.D
 Acq: 21 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-W-2R(17-20)

Tot Ion:114 Resp: 586704
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 38.2
 88 15.2 0.0 31.0

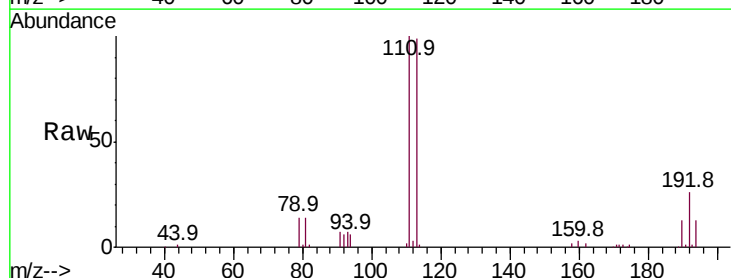


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

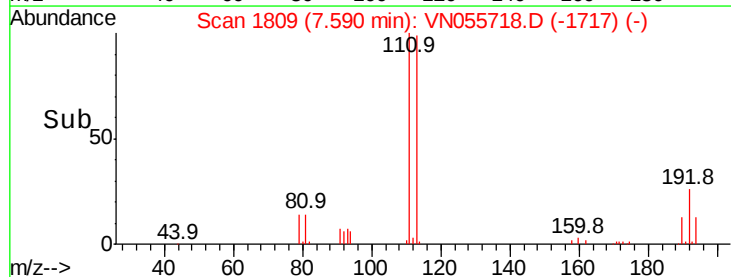
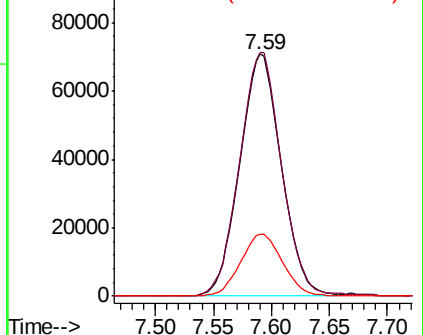


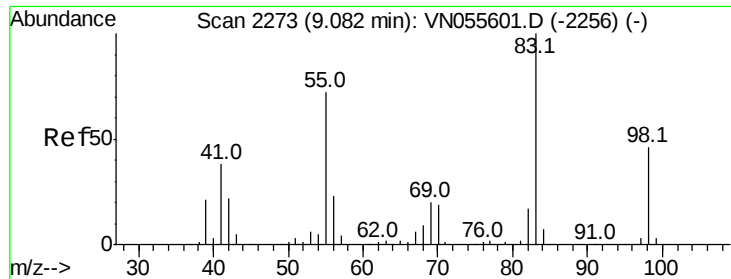
#35
 Dibromofluoromethane
 Concen: 47.397 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055718.D
 Acq: 21 May 2019 18:43

Tgt Ion:113 Resp: 176650
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.5 123.7
 192 25.9 18.7 28.1



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

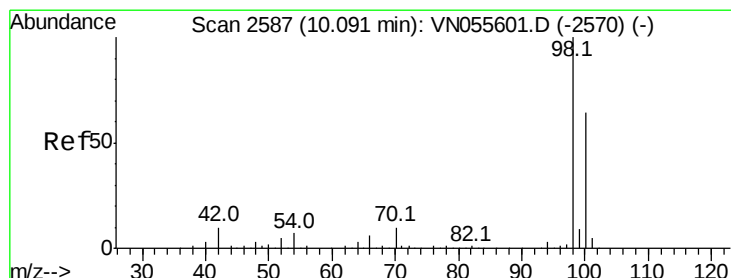
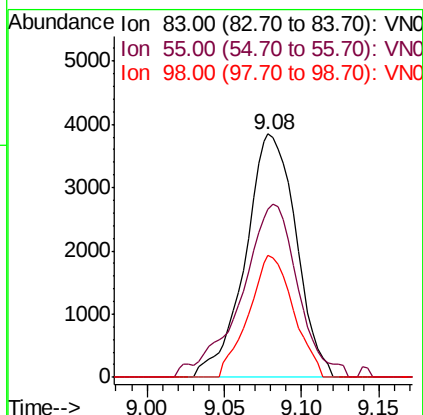
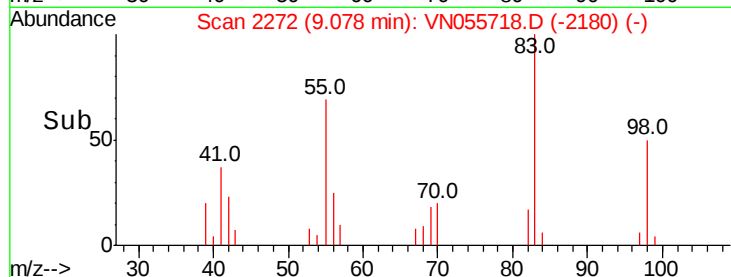
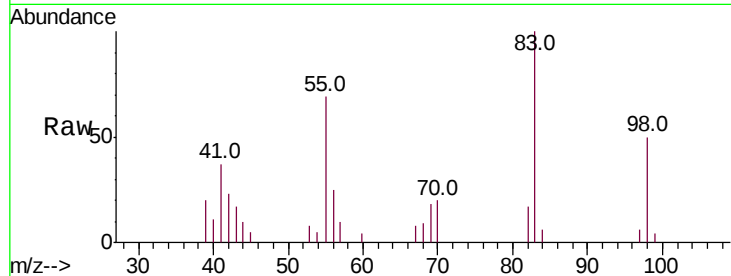




#39
Methylcyclohexane
Concen: 1.388 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055718.D
Acq: 21 May 2019 18:43

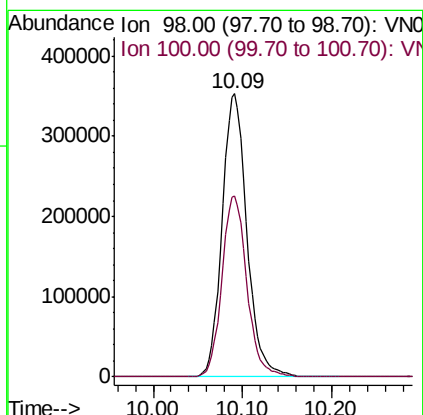
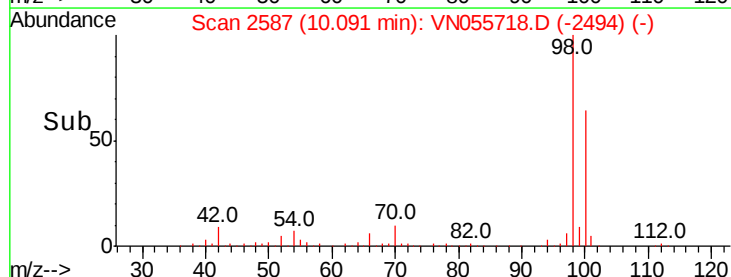
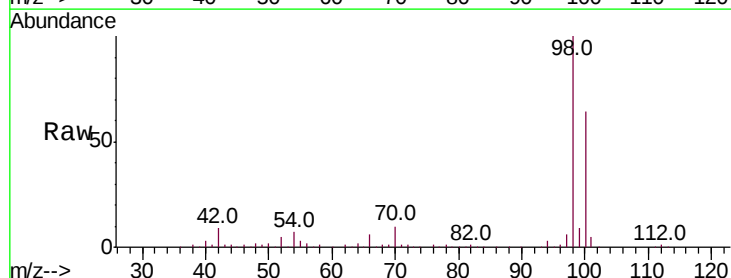
Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(17-20)

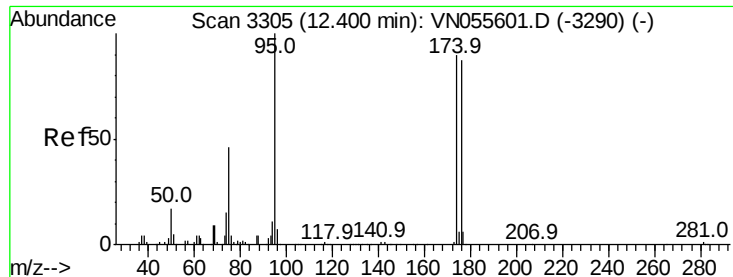
Tot Ion: 83 Resp: 8753
Ion Ratio Lower Upper
83 100
55 63.7 57.8 86.6
98 49.9 36.7 55.1



#50
Toluene-d8
Concen: 48.248 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055718.D
Acq: 21 May 2019 18:43

Tgt Ion: 98 Resp: 679925
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 52.416 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055718.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

EP1-W-2R(17-20)

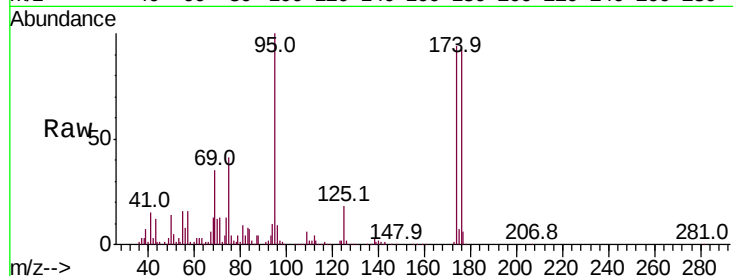
Tot Ion: 95 Resp: 255069

Ion Ratio Lower Upper

95 100

174 92.3 0.0 180.6

176 90.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.40

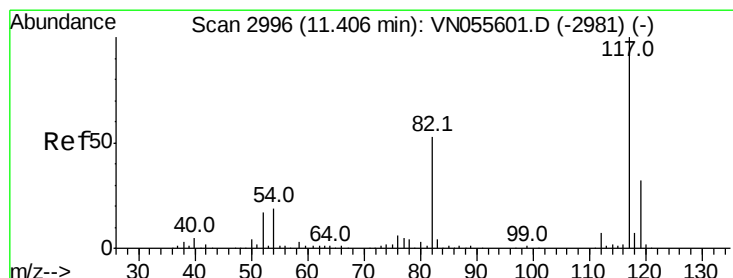
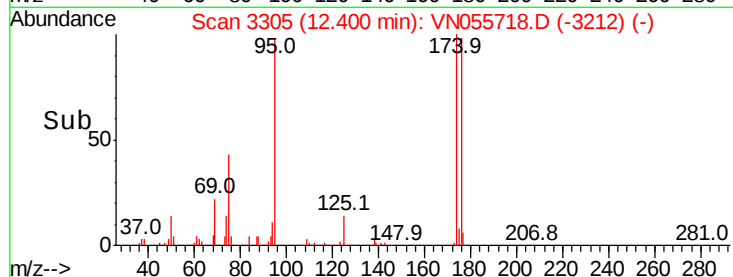
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055718.D

Acq: 21 May 2019 18:43

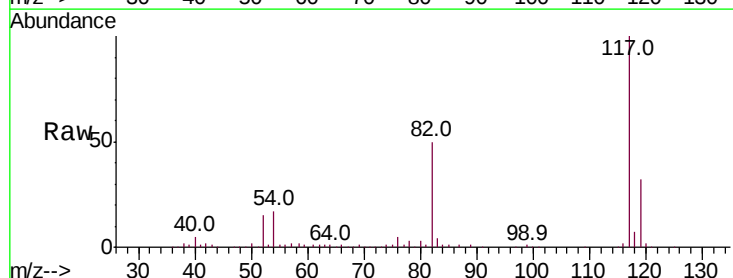
Tgt Ion: 117 Resp: 518557

Ion Ratio Lower Upper

117 100

82 49.7 42.3 63.5

119 31.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.41

400000

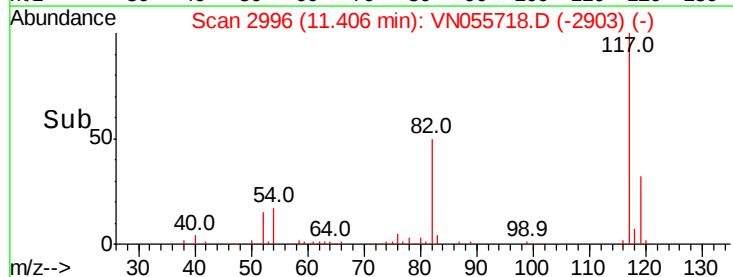
300000

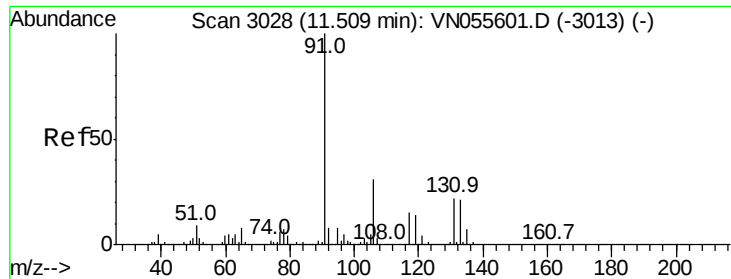
200000

100000

0

Time-->

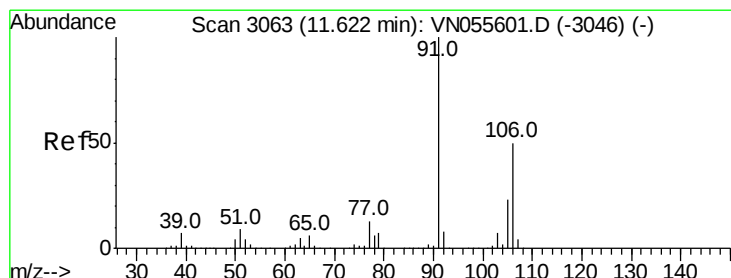
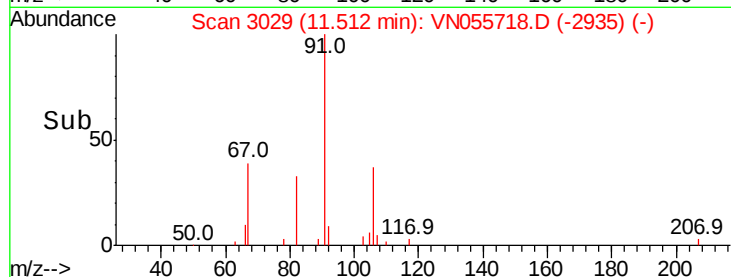
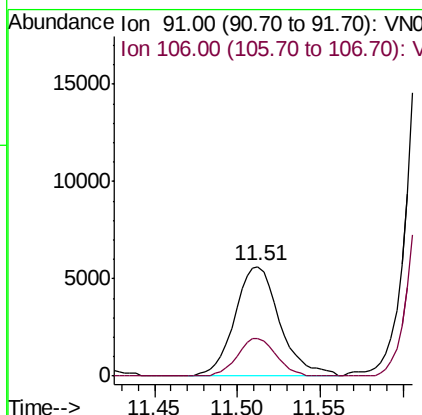
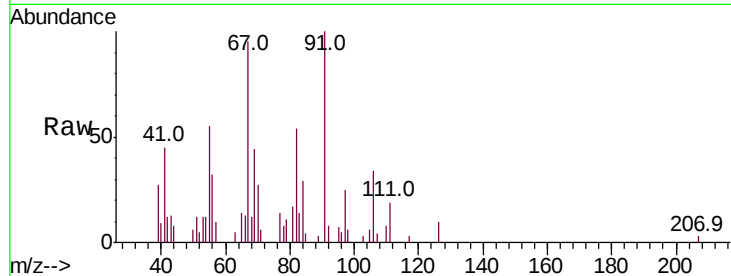




#67
Ethyl Benzene
Concen: 0.569 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055718.D
Acq: 21 May 2019 18:43

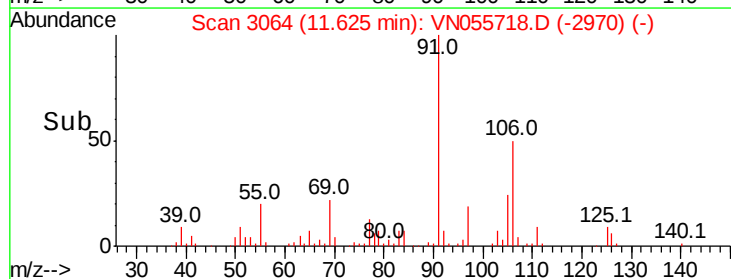
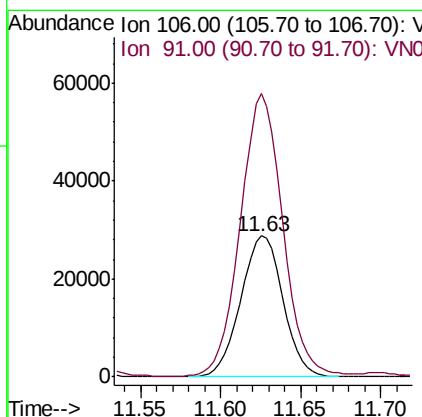
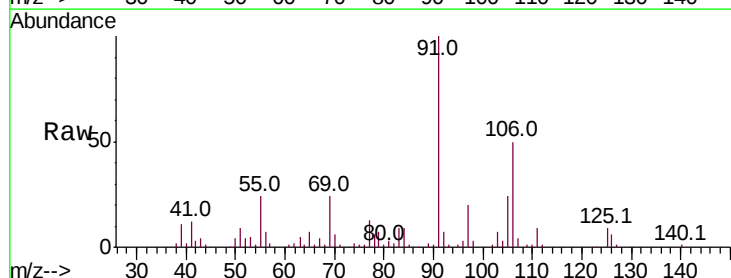
Instrument :
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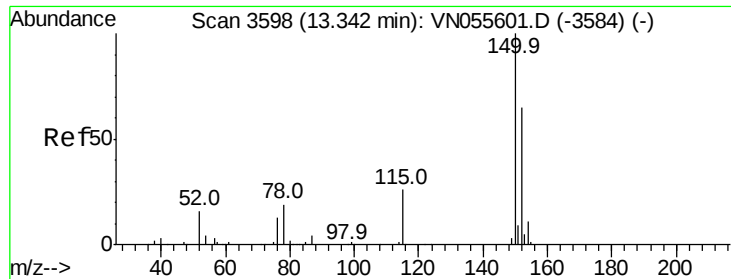
Tot Ion: 91 Resp: 10635
Ion Ratio Lower Upper
91 100
106 33.9 25.2 37.8



#68
m/p-Xylenes
Concen: 7.357 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN055718.D
Acq: 21 May 2019 18:43

Tgt Ion:106 Resp: 51910
Ion Ratio Lower Upper
106 100
91 203.9 160.5 240.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055718.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

EP1-W-2R(17-20)

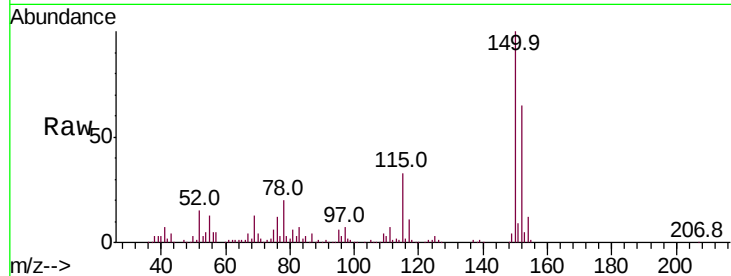
Tot Ion:152 Resp: 239650

Ion Ratio Lower Upper

152 100

115 52.0 28.1 84.2

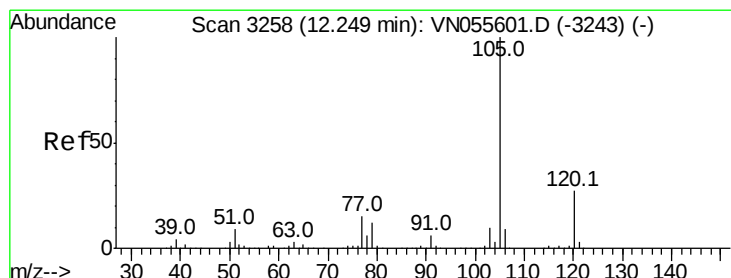
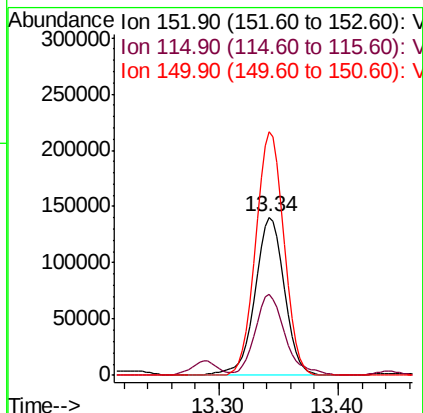
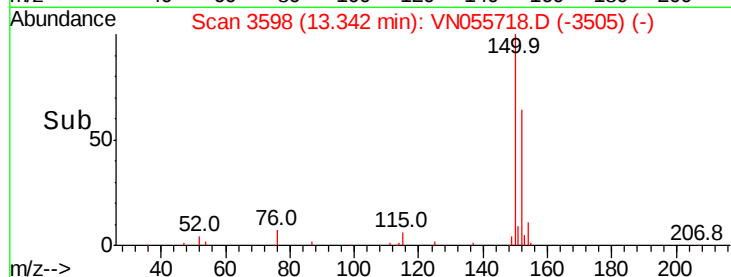
150 148.3 0.0 348.0



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



#73

Isopropylbenzene

Concen: 5.605 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055718.D

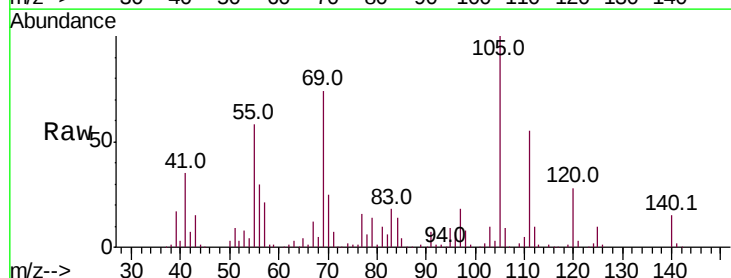
Acq: 21 May 2019 18:43

Tgt Ion:105 Resp: 130241

Ion Ratio Lower Upper

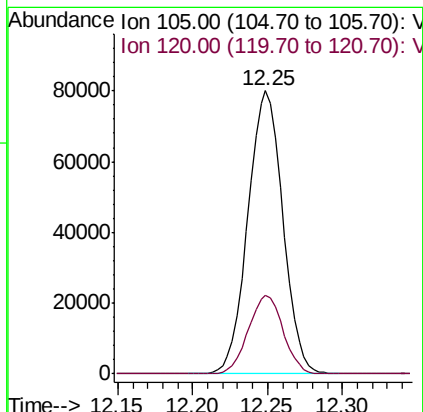
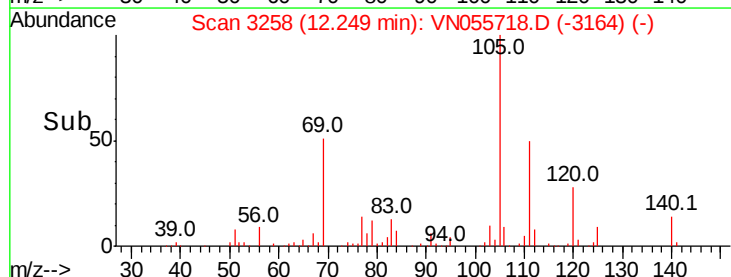
105 100

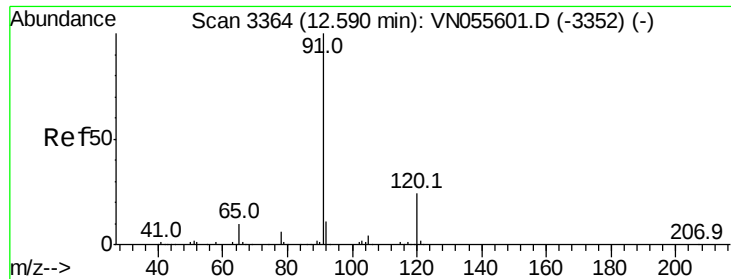
120 27.5 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 18.765 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055718.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

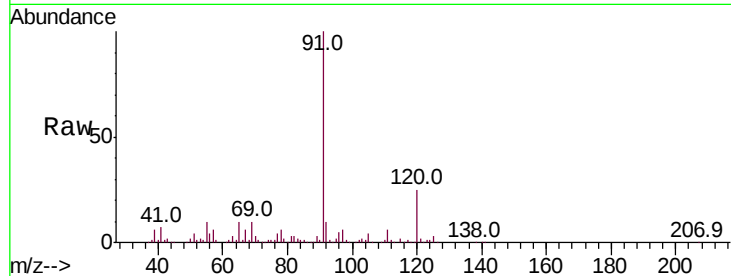
EP1-W-2R(17-20)

Tot Ion: 91 Resp: 399343

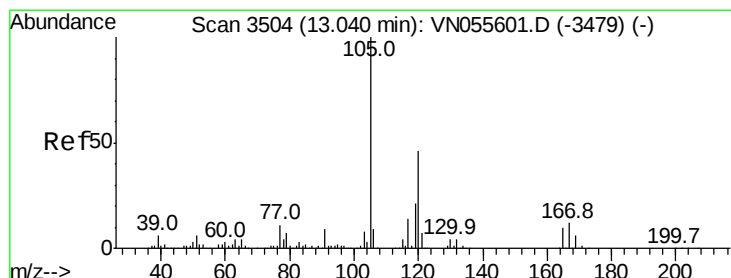
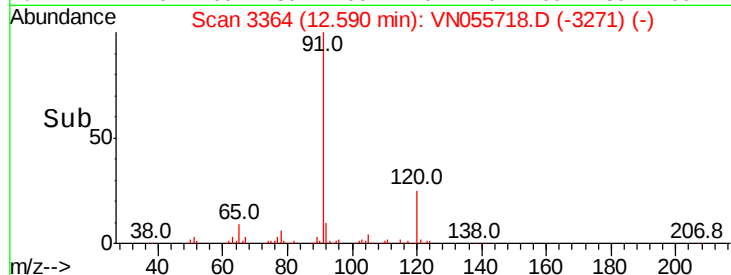
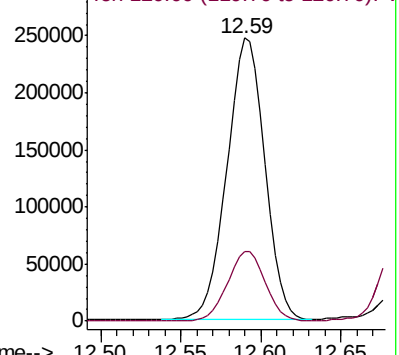
Ion Ratio Lower Upper

91 100

120 24.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN055718.D (-3271) (-)



#84

1,2,4-Trimethylbenzene

Concen: 176.179 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055718.D

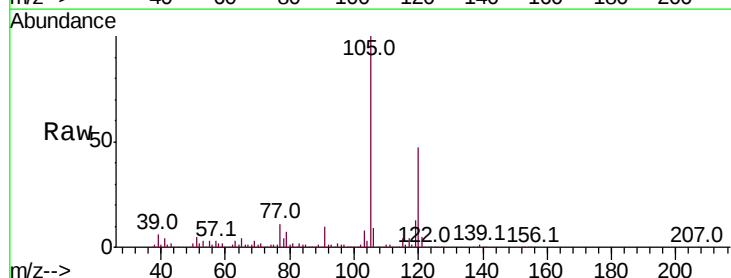
Acq: 21 May 2019 18:43

Tgt Ion:105 Resp: 2464055

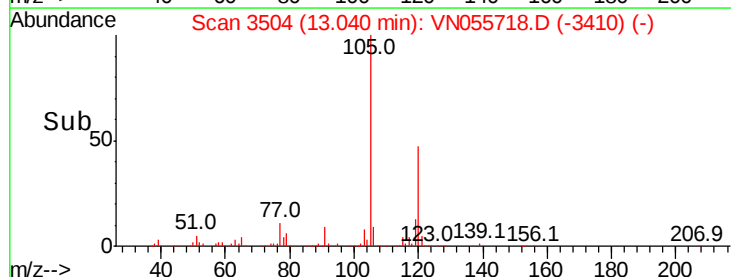
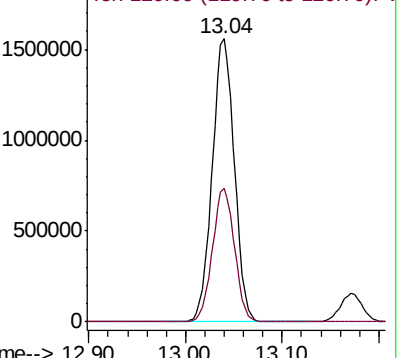
Ion Ratio Lower Upper

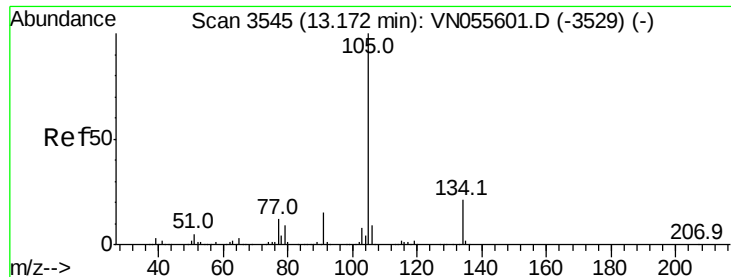
105 100

120 47.4 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): VN055718.D (-3410) (-)





#85

sec-Butylbenzene

Concen: 13.982 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055718.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

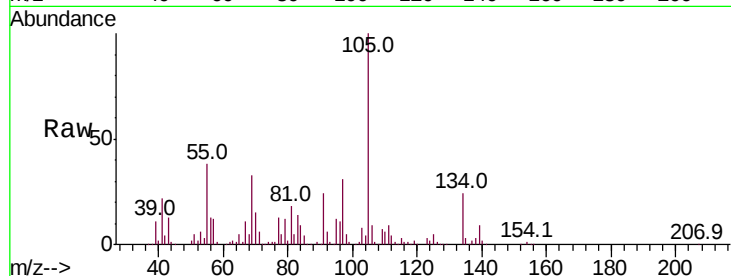
EP1-W-2R(17-20)

Tot Ion:105 Resp: 248685

Ion Ratio Lower Upper

105 100

134 37.7 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

150000

100000

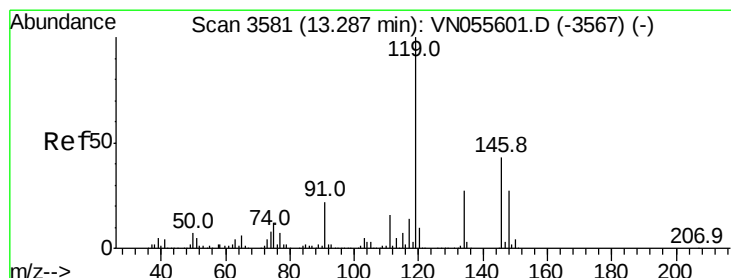
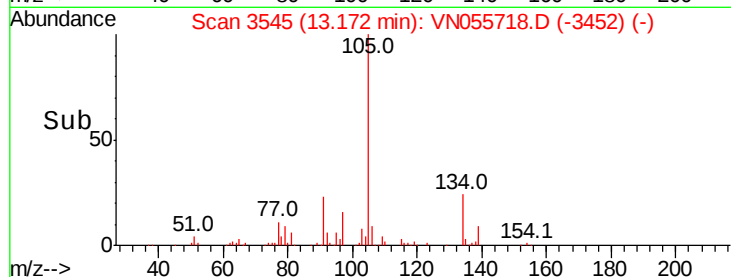
50000

0

Time-->

13.10

13.20



#86

p-Isopropyltoluene

Concen: 17.015 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055718.D

Acq: 21 May 2019 18:43

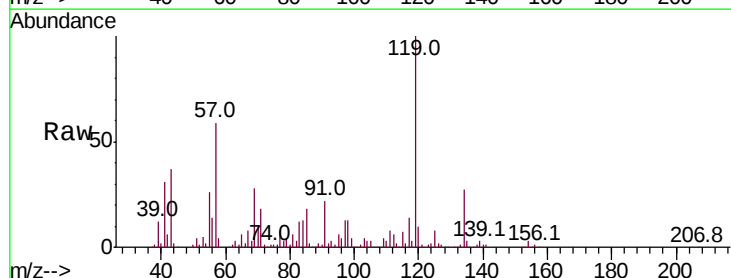
Tgt Ion:119 Resp: 271004

Ion Ratio Lower Upper

119 100

134 27.7 13.4 40.2

91 21.3 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

150000

100000

50000

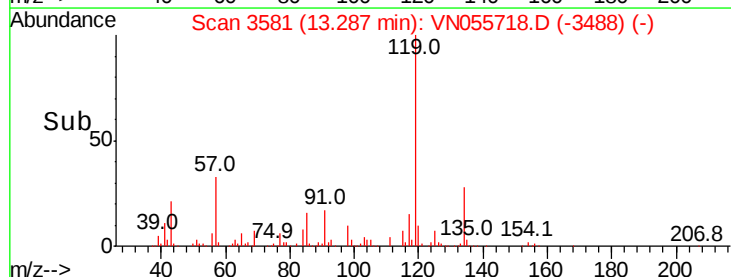
0

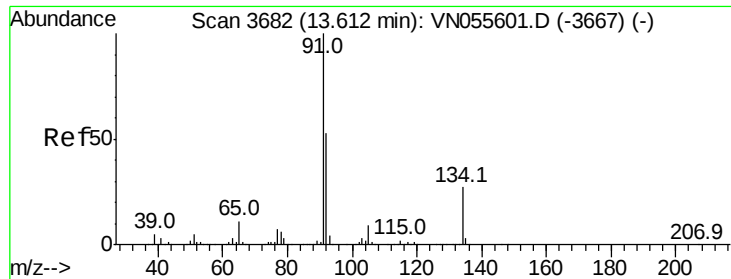
Time-->

13.25

13.30

13.35





#89

n-Butylbenzene

Concen: 13.320 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055718.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

EP1-W-2R(17-20)

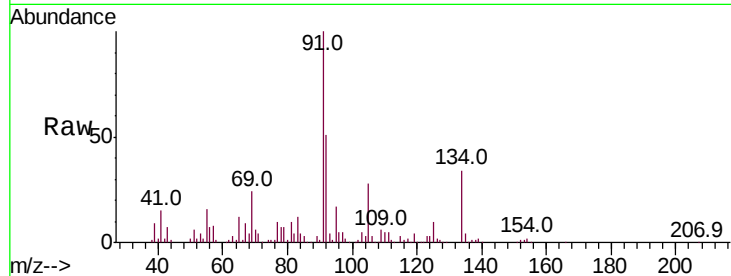
Tot Ion: 91 Resp: 175170

Ion Ratio Lower Upper

91 100

92 47.9 26.4 79.0

134 69.7 13.7 41.1#

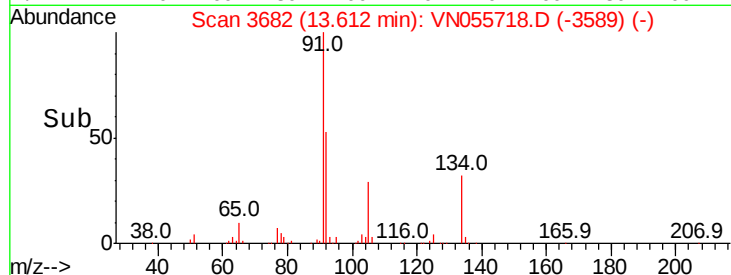


Abundance Ion 91.00 (90.70 to 91.70): VN055718.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055718.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055718.D (-3667) (-)

Time-->

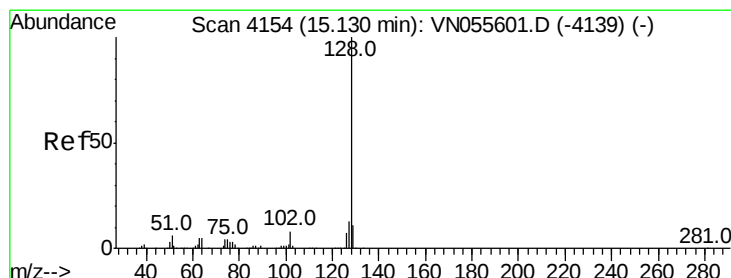


Abundance Ion 91.00 (90.70 to 91.70): VN055718.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN055718.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN055718.D (-3589) (-)

Time-->



#95

Naphthalene

Concen: 3.690 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055718.D

Acq: 21 May 2019 18:43

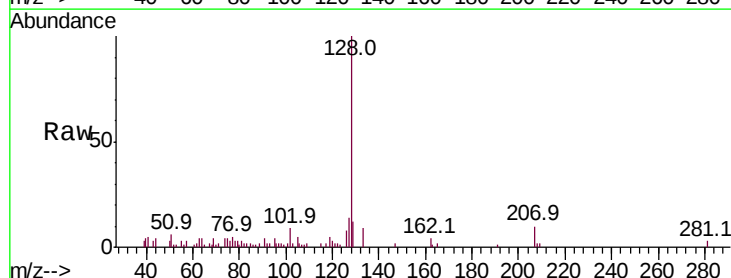
Tgt Ion: 128 Resp: 24880

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 11.8 8.6 12.8

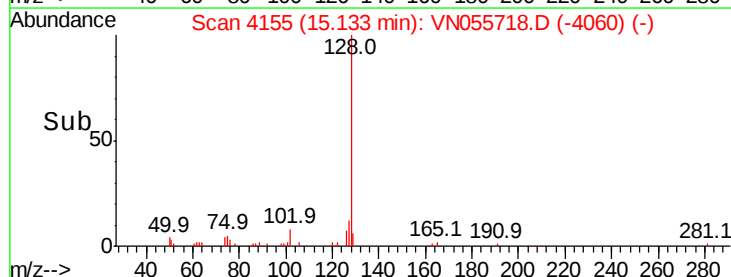


Abundance Ion 128.00 (127.70 to 128.70): VN055718.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN055718.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN055718.D (-4139) (-)

Time-->



Abundance Ion 128.00 (127.70 to 128.70): VN055718.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN055718.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN055718.D (-4060) (-)

Time-->