

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112219\
 Data File : VN059367.D
 Acq On : 22 Nov 2019 16:09
 Operator : JC/SP
 Sample : K5957-13DL 20X
 Misc : 4.12g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FD-111919DL

Quant Time: Nov 27 04:24:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	364187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	558698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	494589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216842	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	205410	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
35) Dibromofluoromethane	7.57	113	167335	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	10.08	98	678679	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.40	95	241695	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	

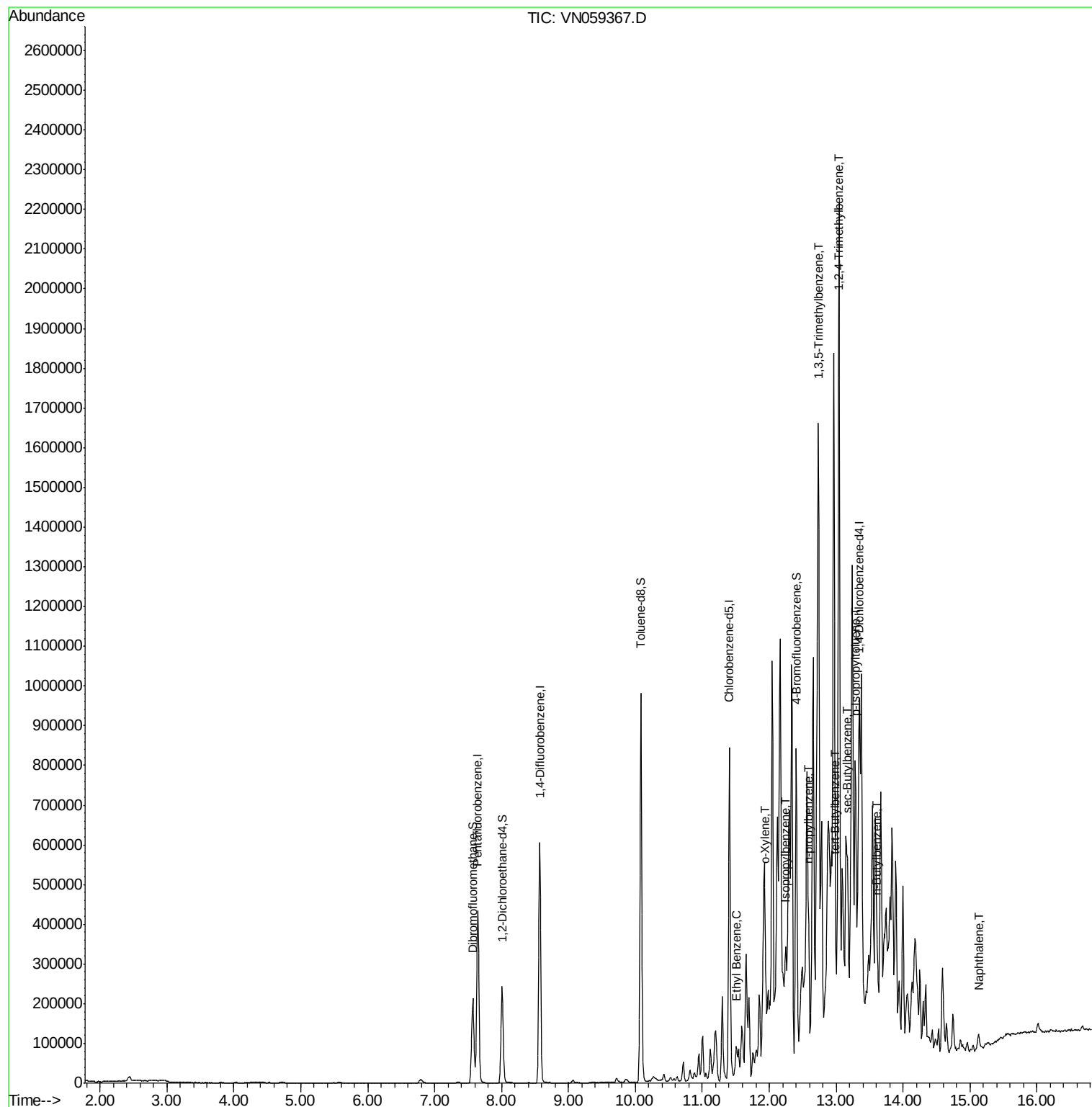
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	11.51	91	54029	2.845	ug/l	100
69) o-Xylene	11.95	106	12628	1.869	ug/l	90
73) Isopropylbenzene	12.25	105	66540	3.746	ug/l	99
78) n-propylbenzene	12.59	91	204775	10.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	383888	25.708	ug/l	100
83) tert-Butylbenzene	13.00	119	15251	1.209	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1080857	73.892	ug/l	99
85) sec-Butylbenzene	13.17	105	112942	6.663	ug/l #	73
86) p-Isopropyltoluene	13.29	119	110619	7.334	ug/l	100
89) n-Butylbenzene	13.62	91	86237	6.517	ug/l #	78
95) Naphthalene	15.13	128	30644	5.413	ug/l	98

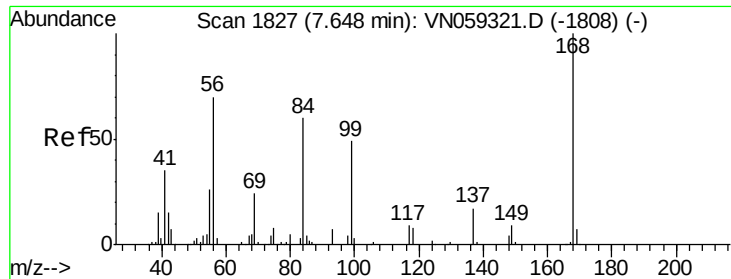
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN112219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059367.D

Acq: 22 Nov 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

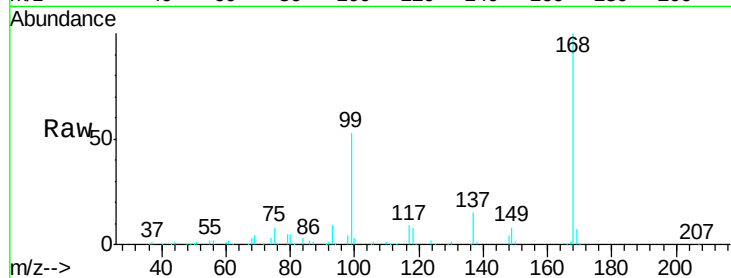
FD-111919DL

Tgt Ion:168 Resp: 364187

Ion Ratio Lower Upper

168 100

99 53.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

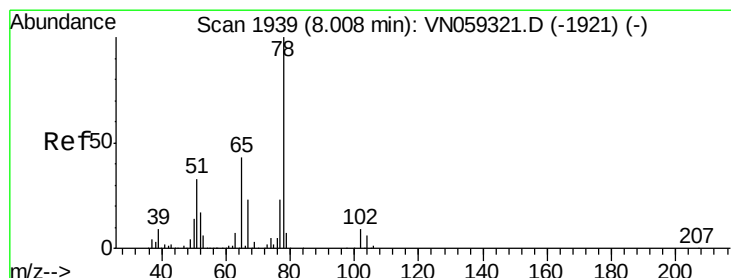
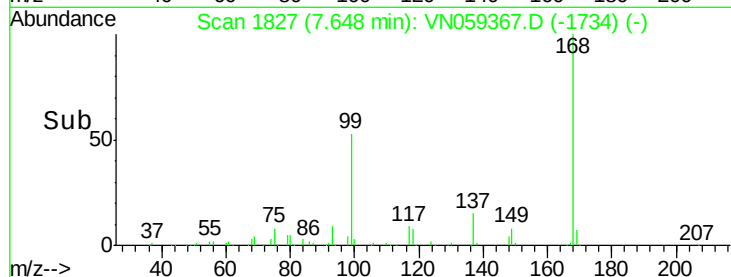
100000

50000

0

7.60 7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.008 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059367.D

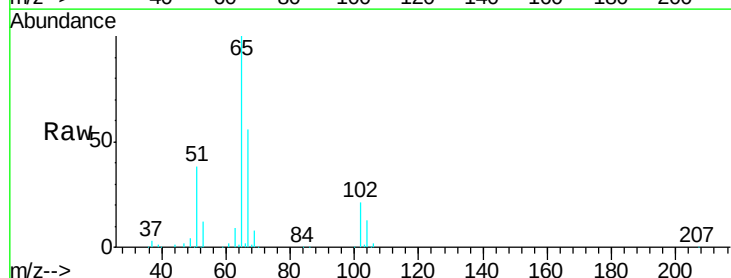
Acq: 22 Nov 2019 16:09

Tgt Ion: 65 Resp: 205410

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

100000

80000

60000

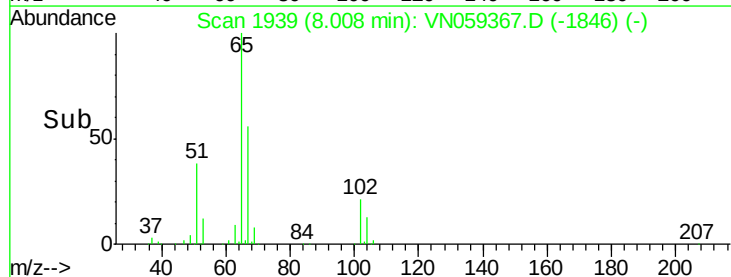
40000

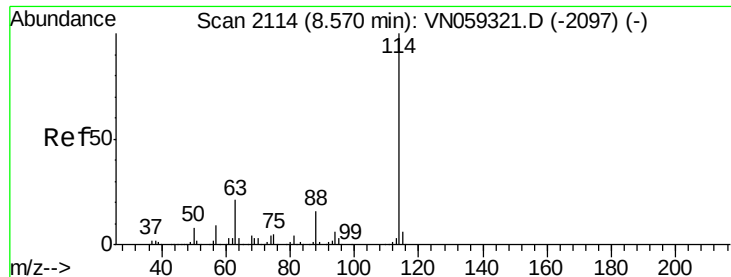
20000

0

7.90 8.00 8.10

Time-->

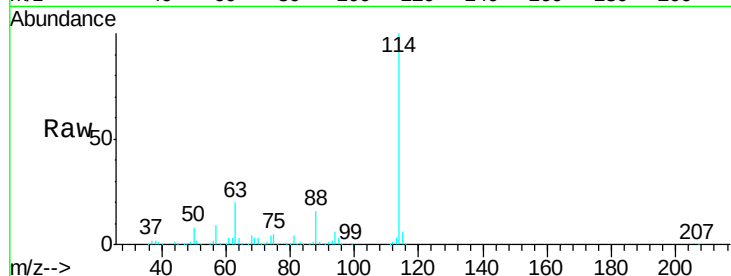




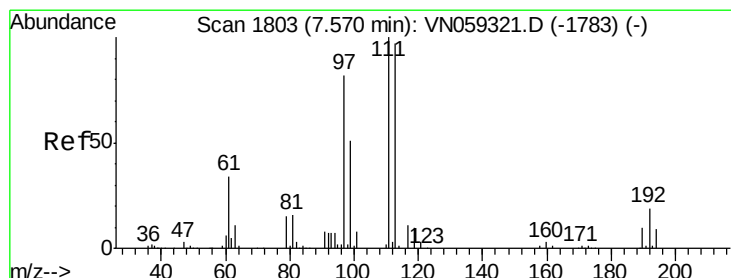
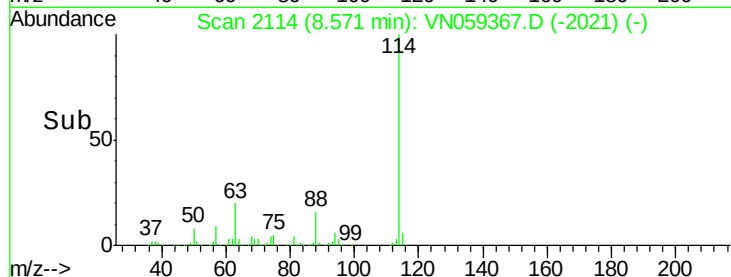
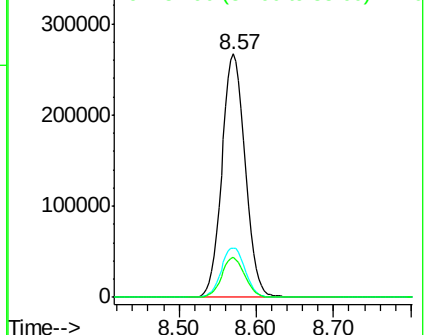
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059367.D
 Acq: 22 Nov 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 FD-111919DL

Tgt Ion:114 Resp: 558698
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.2
 88 16.3 0.0 32.2

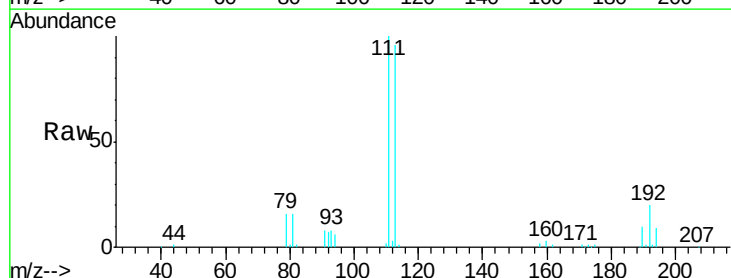


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

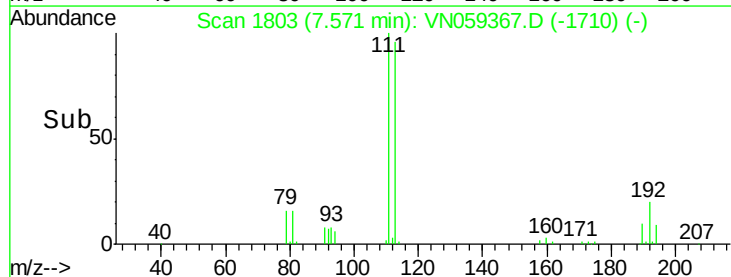
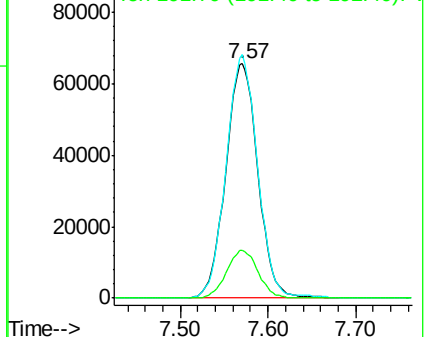


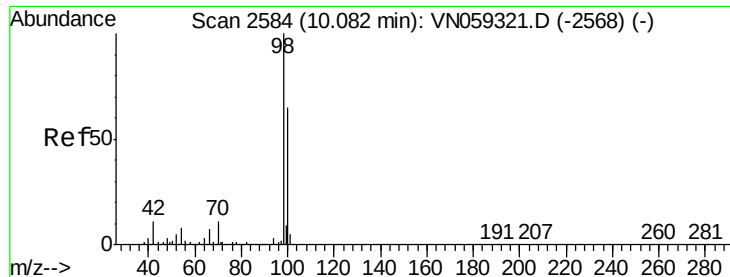
#35
 Dibromofluoromethane
 Concen: 49.923 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059367.D
 Acq: 22 Nov 2019 16:09

Tgt Ion:113 Resp: 167335
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.7 124.1
 192 20.0 16.3 24.5



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: 50.932 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059367.D

Acq: 22 Nov 2019 16:09

Instrument :

MSVOA_N

ClientSampled :

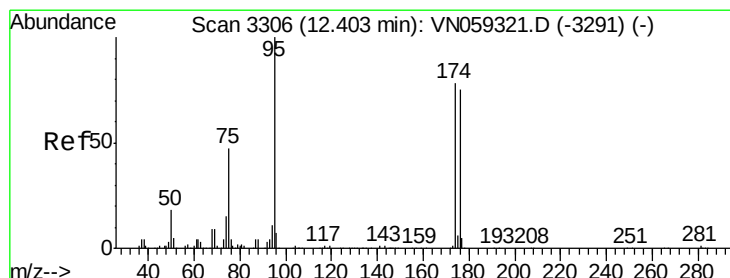
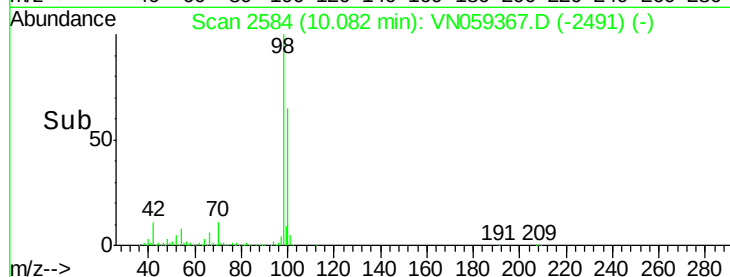
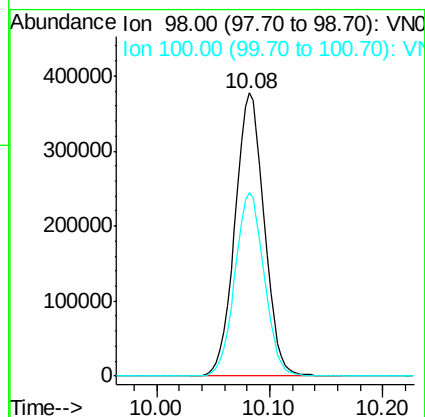
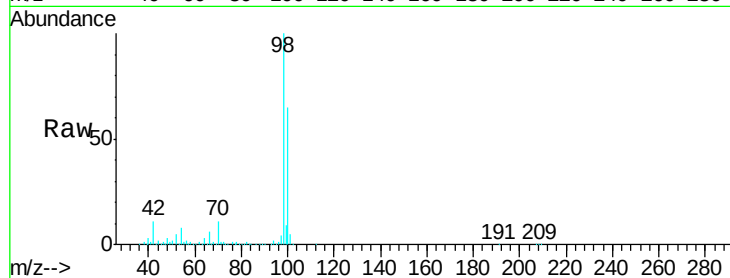
FD-111919DL

Tgt Ion: 98 Resp: 678679

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 51.875 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059367.D

Acq: 22 Nov 2019 16:09

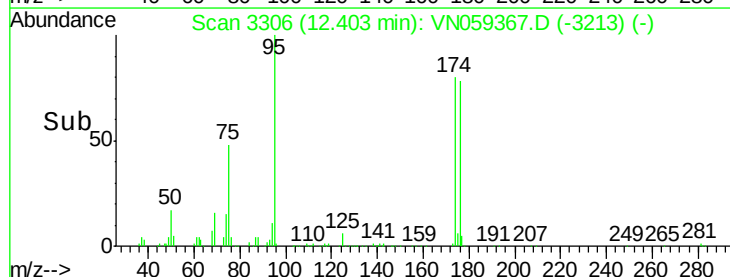
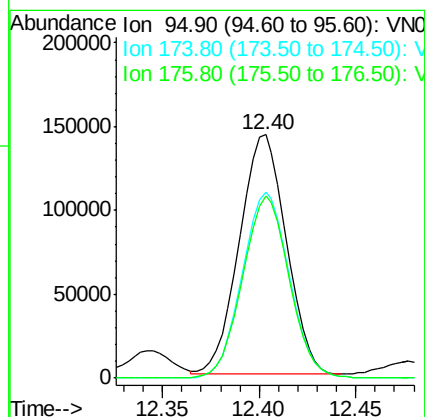
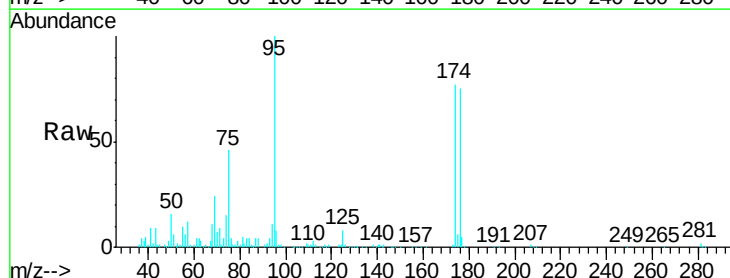
Tgt Ion: 95 Resp: 241695

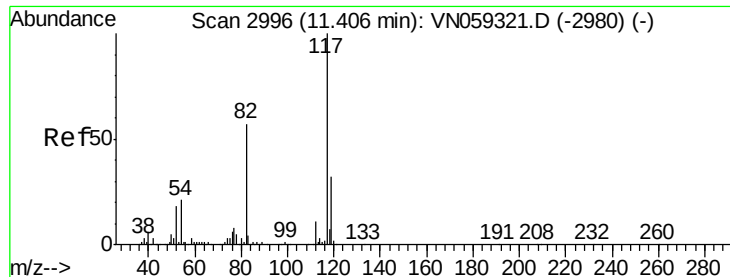
Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.4

176 75.6 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059367.D

Acq: 22 Nov 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

FD-111919DL

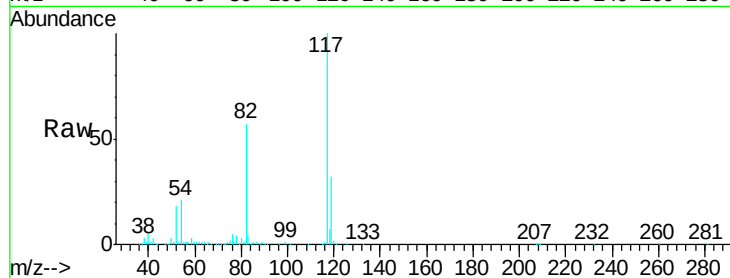
Tgt Ion:117 Resp: 494589

Ion Ratio Lower Upper

117 100

82 56.7 45.7 68.5

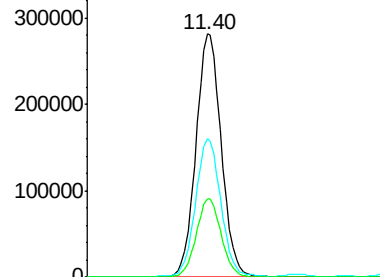
119 32.3 25.8 38.6



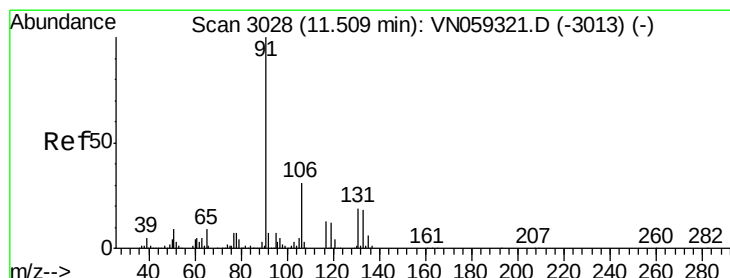
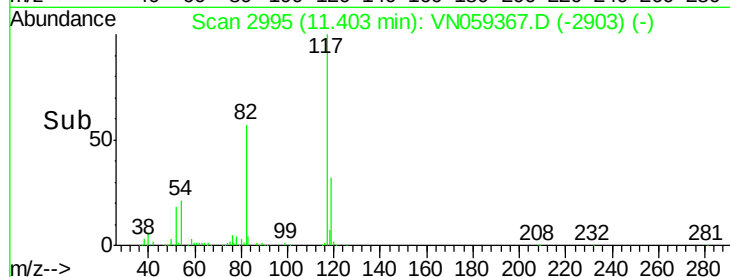
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



Time-->



#67

Ethyl Benzene

Concen: 2.845 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059367.D

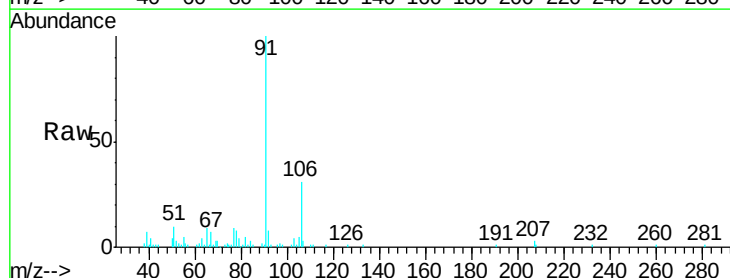
Acq: 22 Nov 2019 16:09

Tgt Ion: 91 Resp: 54029

Ion Ratio Lower Upper

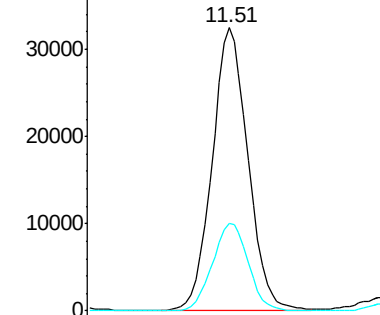
91 100

106 30.7 24.6 37.0

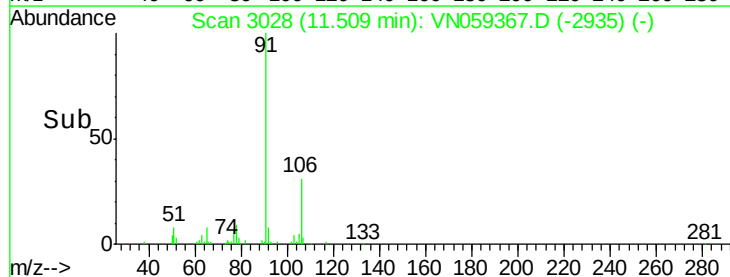


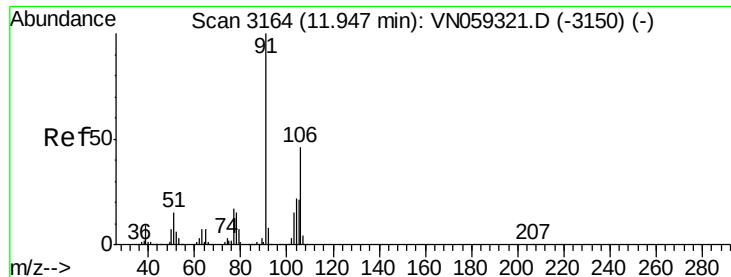
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



Time-->





#69

o-Xylene

Concen: 1.869 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059367.D

Acq: 22 Nov 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

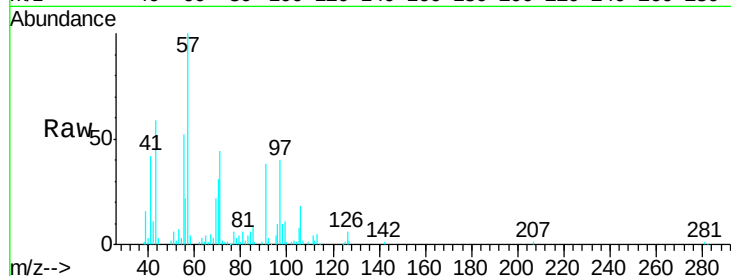
FD-111919DL

Tgt Ion:106 Resp: 12628

Ion Ratio Lower Upper

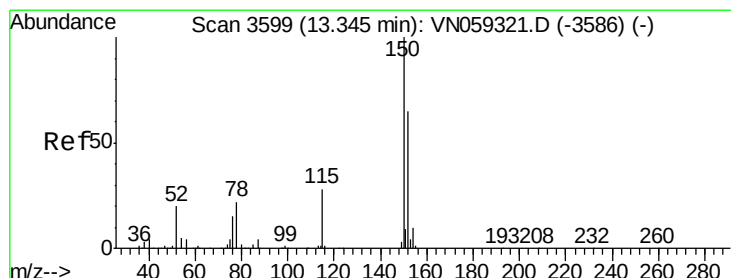
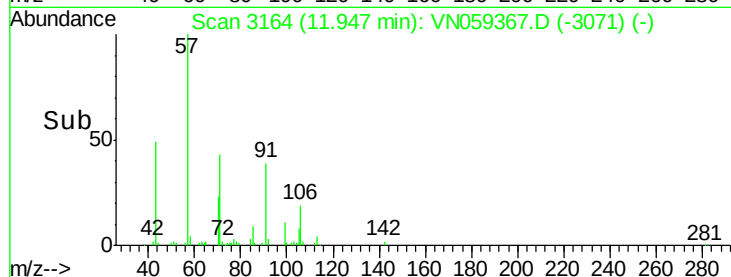
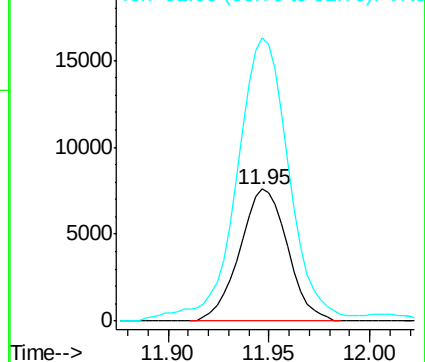
106 100

91 235.2 109.3 327.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059367.D

Acq: 22 Nov 2019 16:09

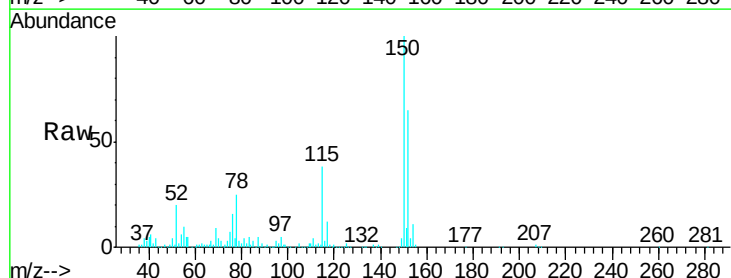
Tgt Ion:152 Resp: 216842

Ion Ratio Lower Upper

152 100

115 65.3 29.3 88.0

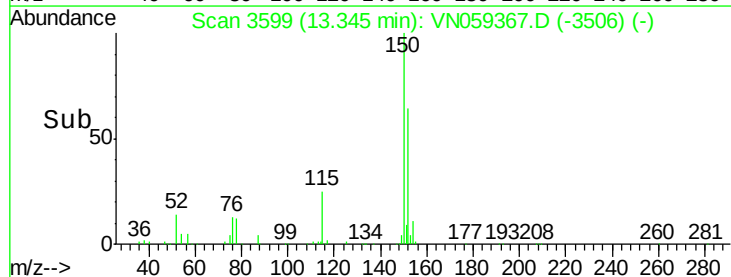
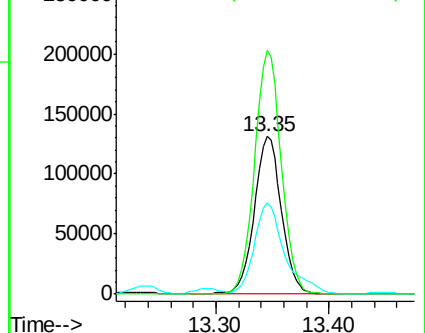
150 153.1 0.0 346.0

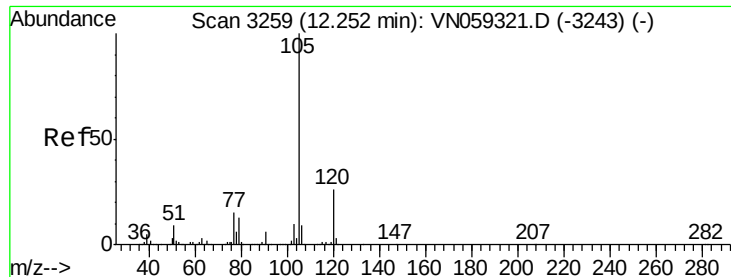


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.746 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059367.D

Acq: 22 Nov 2019 16:09

Instrument :

MSVOA_N

ClientSampled :

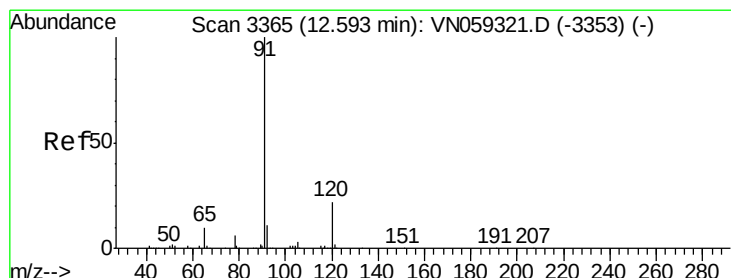
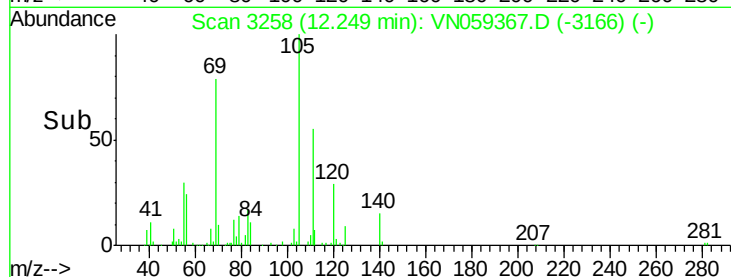
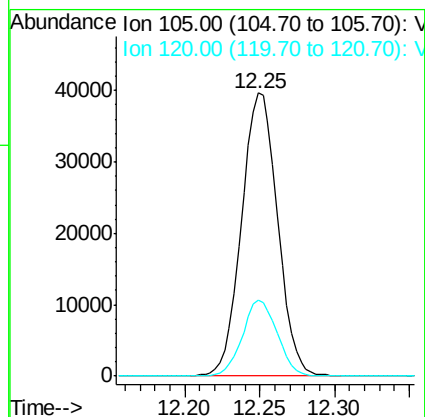
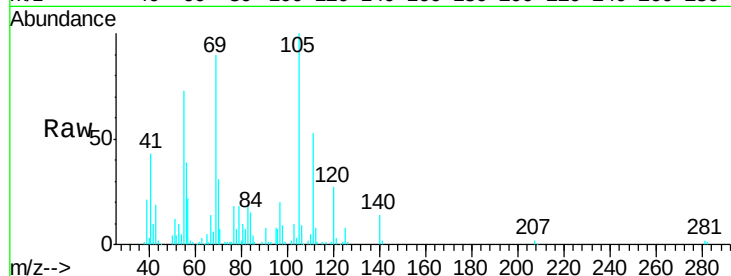
FD-111919DL

Tgt Ion: 105 Resp: 66540

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.3



#78

n-propylbenzene

Concen: 10.177 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059367.D

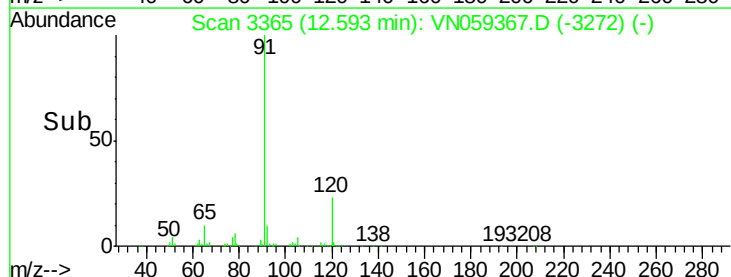
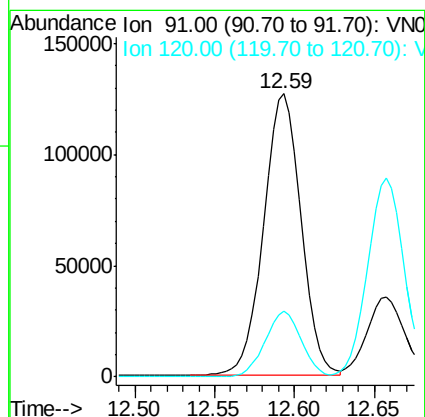
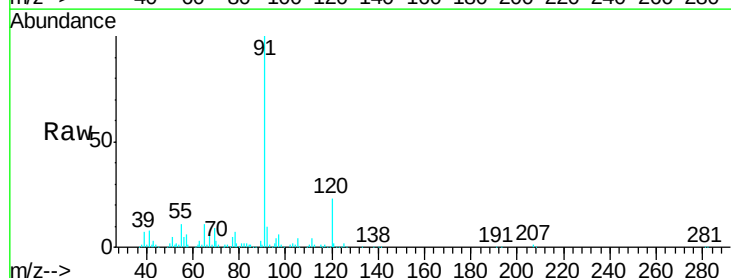
Acq: 22 Nov 2019 16:09

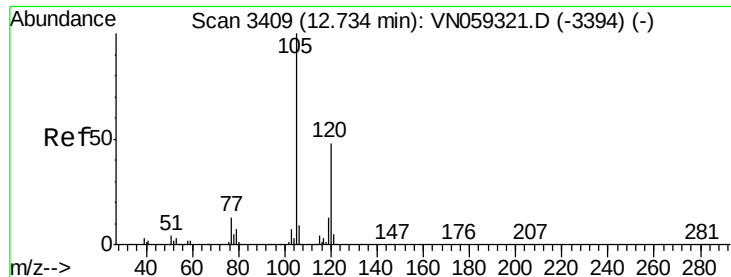
Tgt Ion: 91 Resp: 204775

Ion Ratio Lower Upper

91 100

120 22.6 11.3 33.9

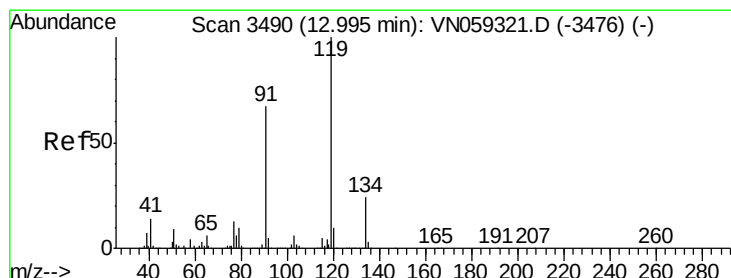
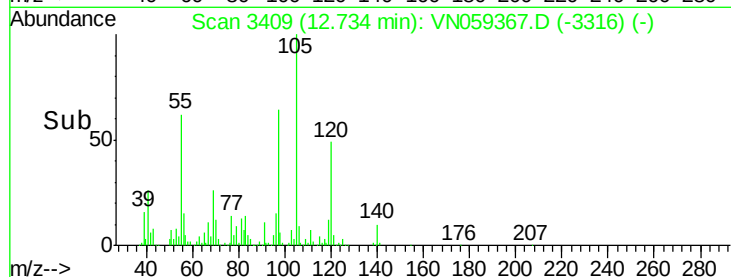
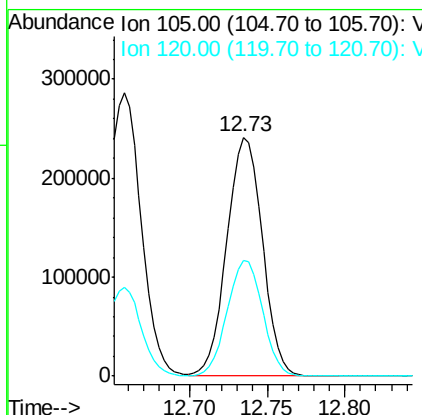
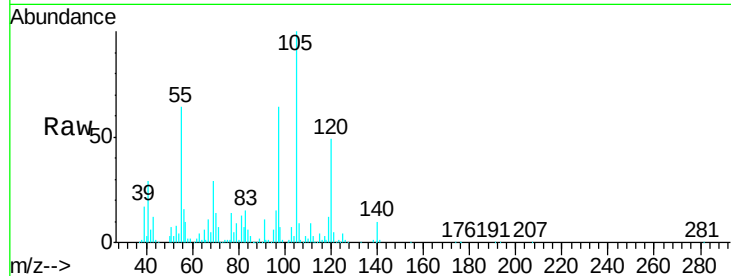




#80
 1,3,5-Trimethylbenzene
 Concen: 25.708 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059367.D
 Acq: 22 Nov 2019 16:09

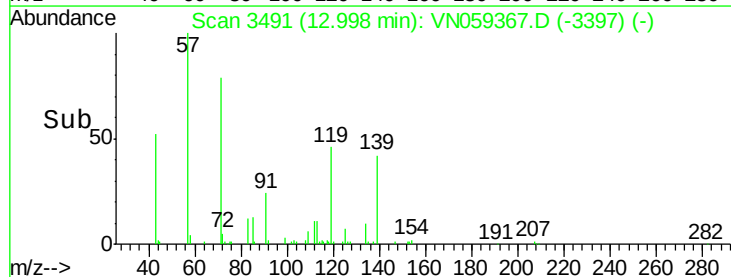
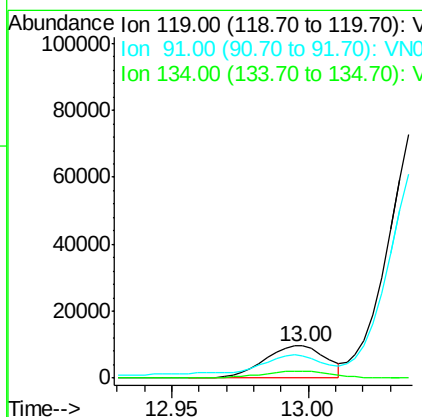
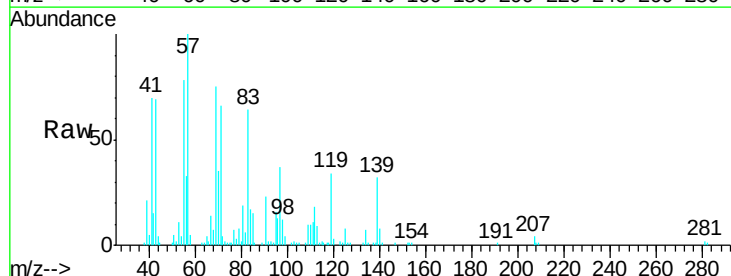
Instrument :
 MSVOA_N
 ClientSampled :
 FD-111919DL

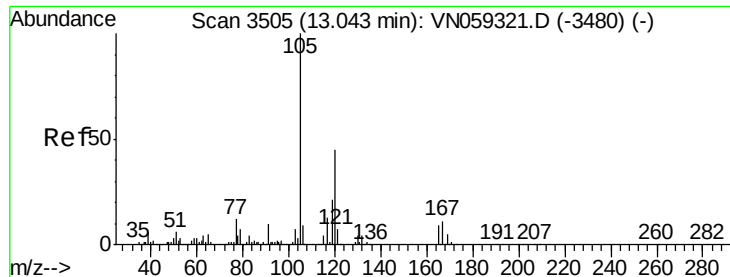
Tgt Ion:105 Resp: 383888
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.4



#83
 tert-Butylbenzene
 Concen: 1.209 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059367.D
 Acq: 22 Nov 2019 16:09

Tgt Ion:119 Resp: 15251
 Ion Ratio Lower Upper
 119 100
 91 68.1 32.8 98.4
 134 24.1 13.0 38.9





#84

1,2,4-Trimethylbenzene

Concen: 73.892 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059367.D

Acq: 22 Nov 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

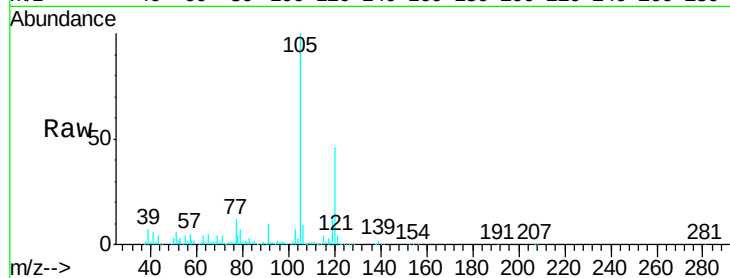
FD-111919DL

Tgt Ion:105 Resp: 1080857

Ion Ratio Lower Upper

105 100

120 45.7 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

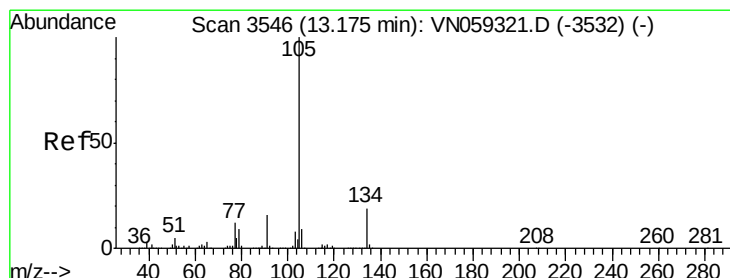
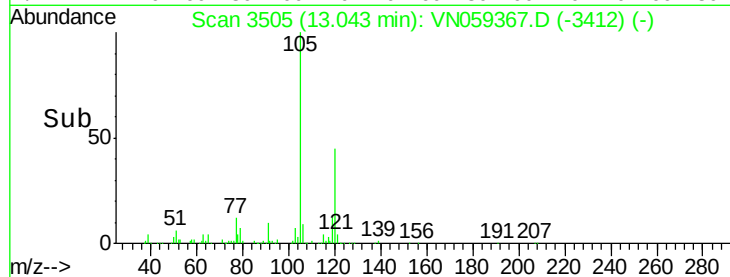
600000

400000

200000

0

Time--> 12.90 13.00 13.10



#85

sec-Butylbenzene

Concen: 6.663 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059367.D

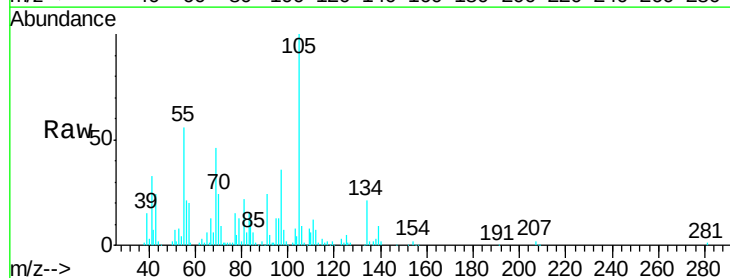
Acq: 22 Nov 2019 16:09

Tgt Ion:105 Resp: 112942

Ion Ratio Lower Upper

105 100

134 31.9 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

80000

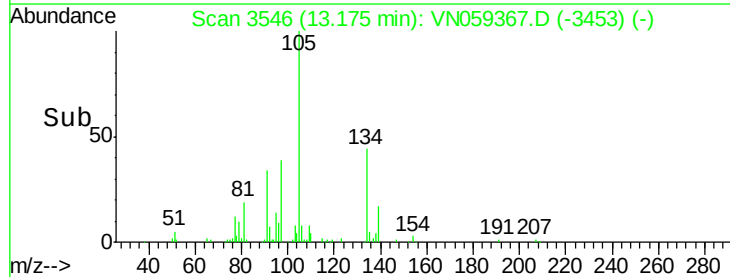
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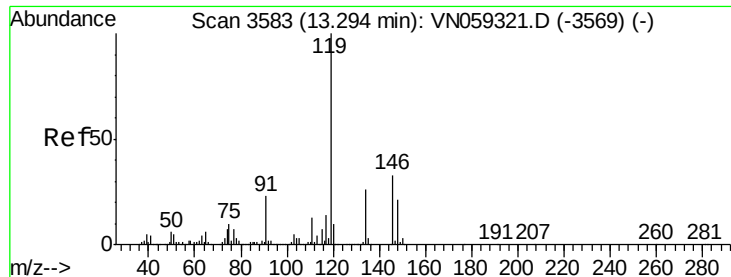
40000

20000

0

Time--> 13.10 13.15 13.20

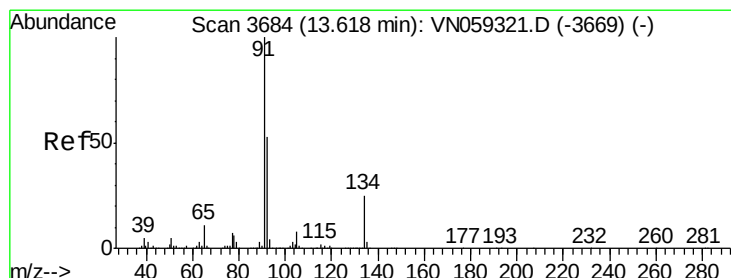
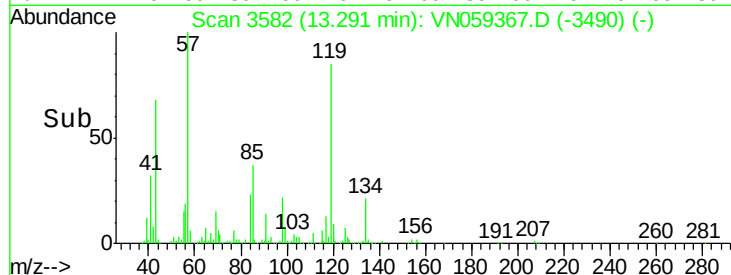
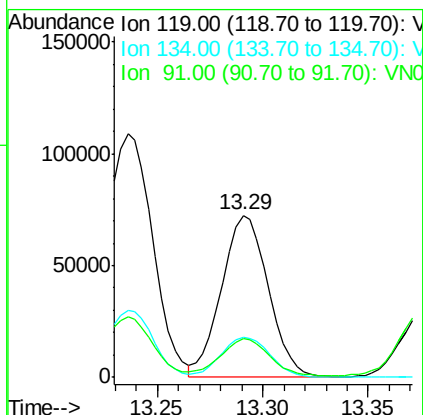
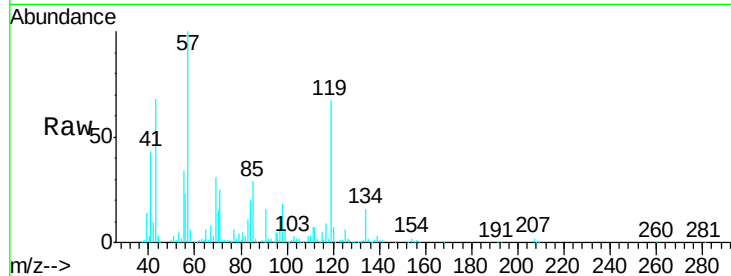




#86
p-Isopropyltoluene
Concen: 7.334 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN059367.D
Acq: 22 Nov 2019 16:09

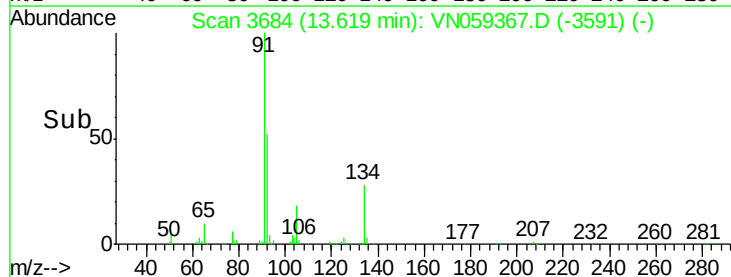
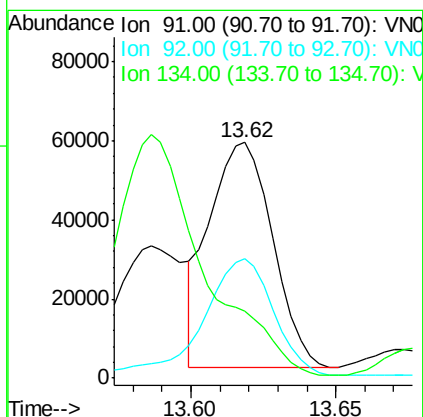
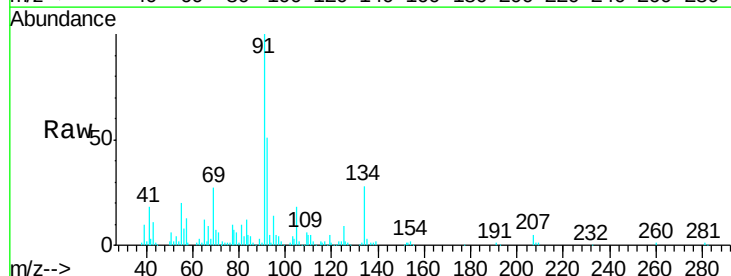
Instrument :
MSVOA_N
ClientSampled :
FD-111919DL

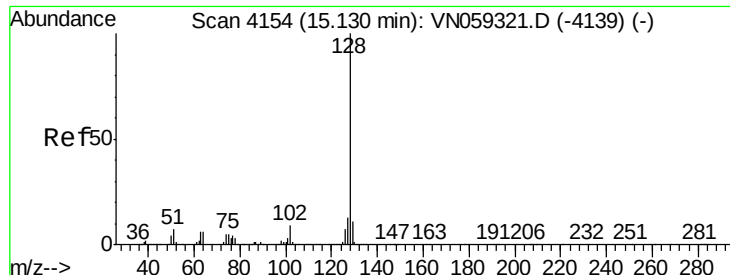
Tgt Ion:	119	Resp:	110619
Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	23.2	11.6	34.7



#89
n-Butylbenzene
Concen: 6.517 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059367.D
Acq: 22 Nov 2019 16:09

Tgt Ion:	91	Resp:	86237
Ion	Ratio	Lower	Upper
91	100		
92	58.0	26.0	78.0
134	0.0	12.7	38.1#





#95

Naphthalene

Concen: 5.413 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059367.D

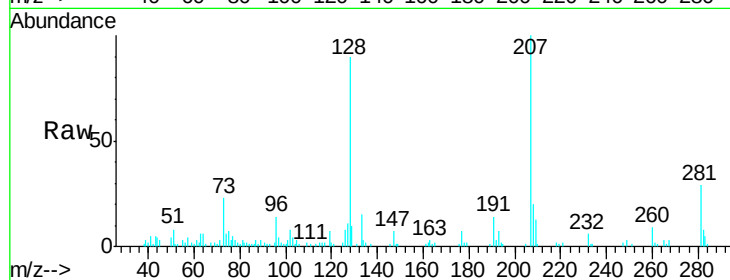
Acq: 22 Nov 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

FD-111919DL



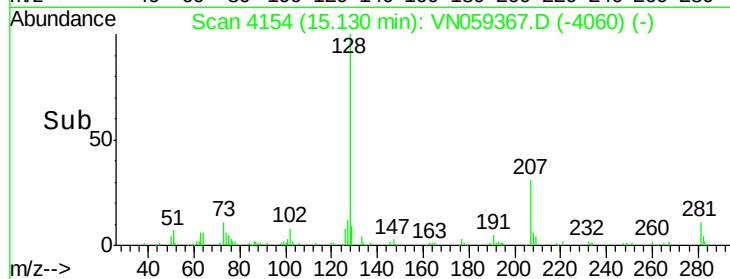
Tgt Ion:128 Resp: 30644

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

129 11.7 8.6 13.0



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

