

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054285.D
 Acq On : 15 Mar 2019 2:44
 Operator : JC/SP
 Sample : K1902-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30245

Quant Time: Mar 15 08:26:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1353260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2274900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2449284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1086720	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	736291	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
35) Dibromofluoromethane	7.59	113	696441	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
50) Toluene-d8	10.09	98	2851619	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.40	95	1126389	59.41	ug/l	0.00
Spiked Amount			Recovery	=	118.82%	

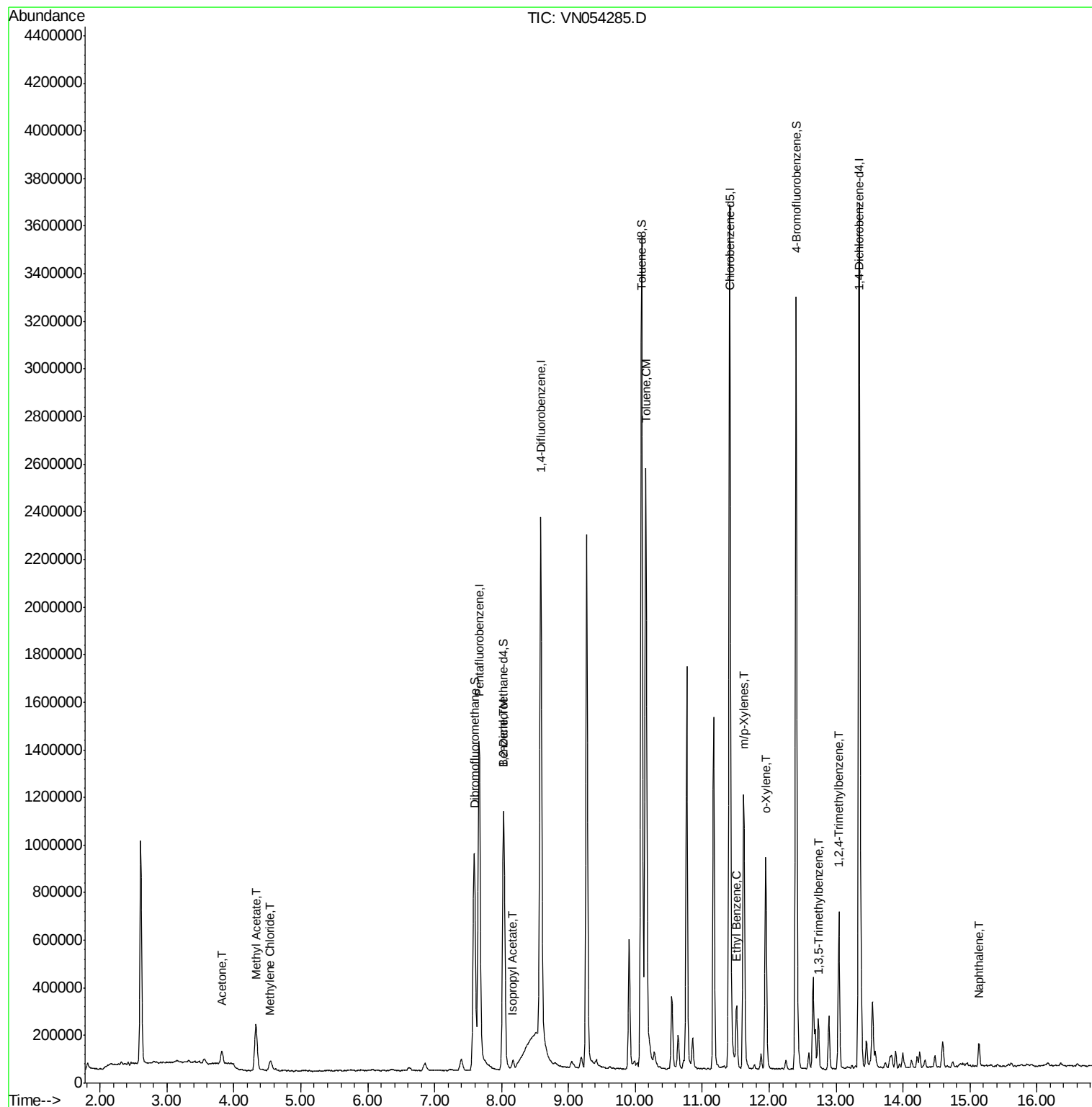
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	80998	19.684	ug/l	96
18) Methyl Acetate	4.33	43	366461	44.018	ug/l	99
20) Methylene Chloride	4.54	84	34314	2.540	ug/l	98
40) Benzene	8.04	78	361845	6.036	ug/l	96
43) Isopropyl Acetate	8.17	43	37504	1.775	ug/l	98
52) Toluene	10.16	92	1210784	31.852	ug/l	99
67) Ethyl Benzene	11.51	91	198762	2.230	ug/l	98
68) m/p-Xylenes	11.62	106	411611	11.813	ug/l	100
69) o-Xylene	11.95	106	269326	7.929	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	112707	1.558	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	399841	5.636	ug/l	99
95) Naphthalene	15.13	128	89055	5.208	ug/l	98

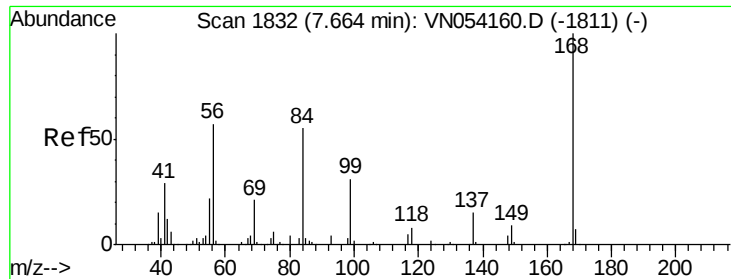
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampled :

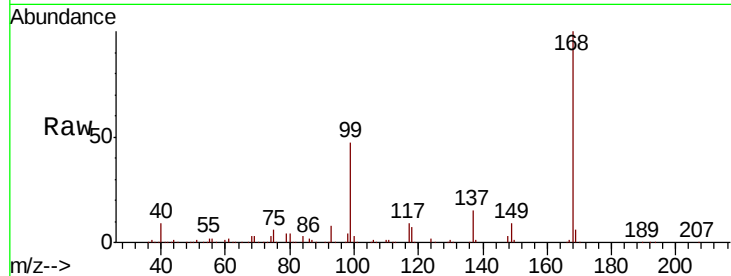
30245

Tgt Ion:168 Resp: 1353260

Ion Ratio Lower Upper

168 100

99 46.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054285.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN054285.D (-1739) (-)

7.67

600000

500000

400000

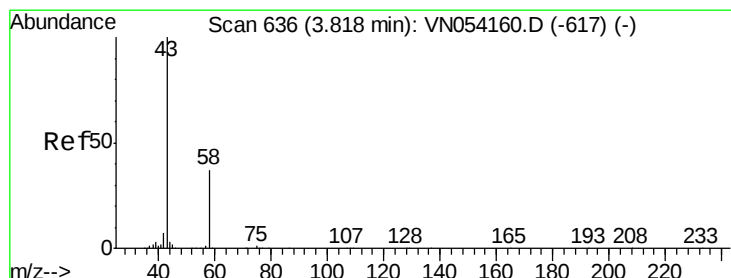
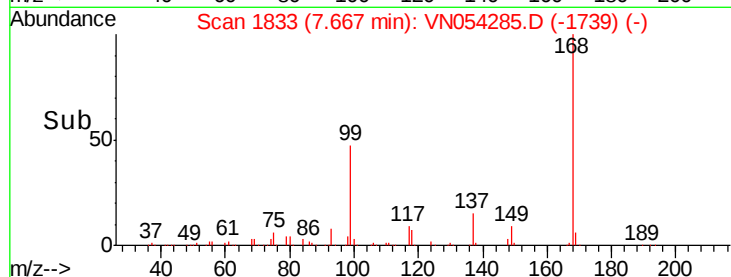
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 19.684 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054285.D

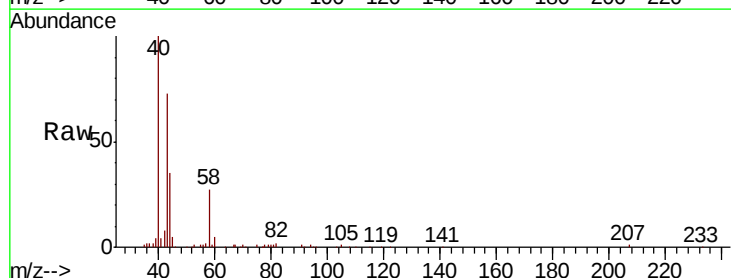
Acq: 15 Mar 2019 2:44

Tgt Ion: 43 Resp: 80998

Ion Ratio Lower Upper

43 100

58 39.5 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054285.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN054285.D (-543) (-)

3.82

40000

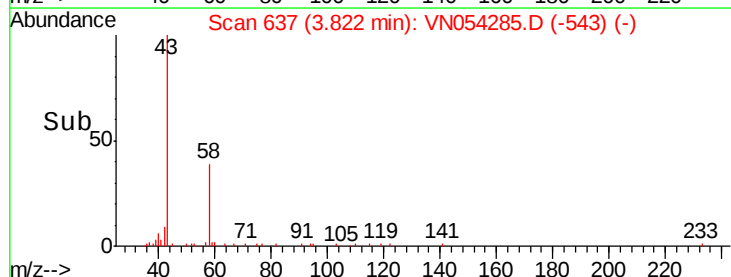
30000

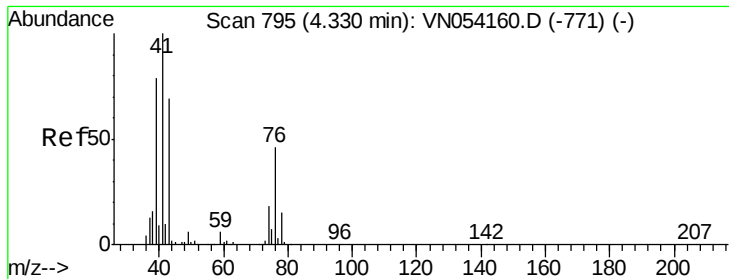
20000

10000

0

Time--> 3.75 3.80 3.85 3.90

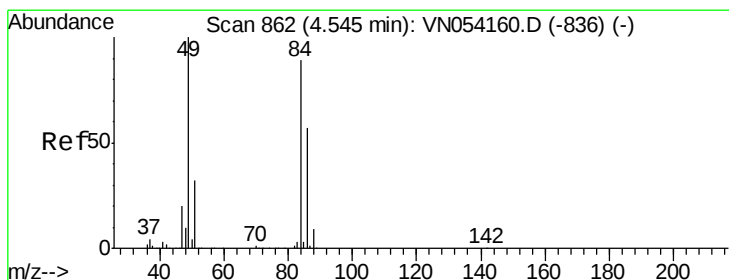
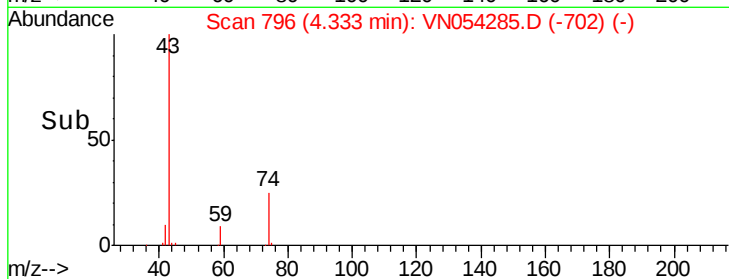
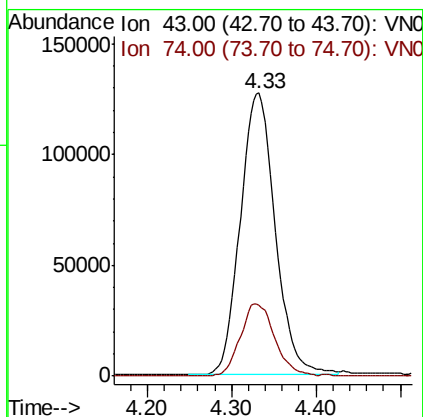
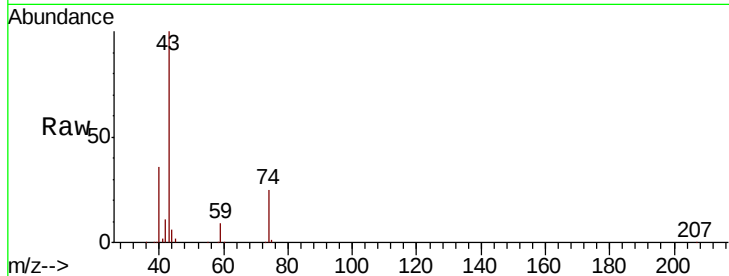




#18
Methyl Acetate
Concen: 44.018 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

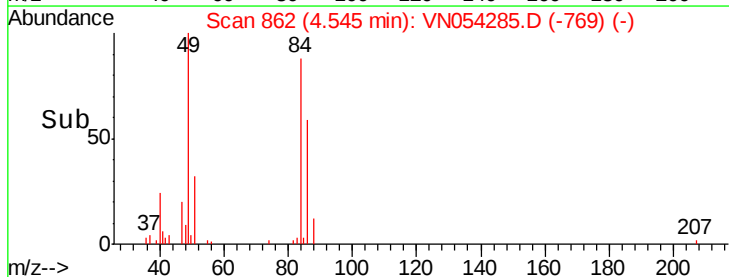
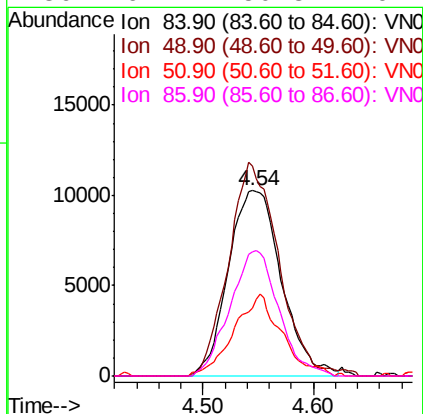
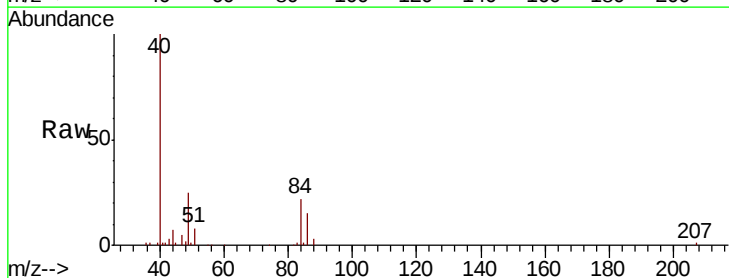
Instrument :
MSVOA_N
ClientSampleId :
30245

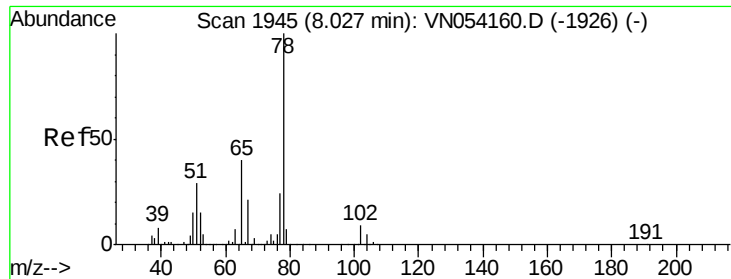
Tgt Ion: 43 Resp: 366461
Ion Ratio Lower Upper
43 100
74 25.3 20.8 31.2



#20
Methylene Chloride
Concen: 2.540 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

Tgt Ion: 84 Resp: 34314
Ion Ratio Lower Upper
84 100
49 113.2 89.7 134.5
51 36.7 28.2 42.4
86 67.1 50.8 76.2





#33

1,2-Dichloroethane-d4

Concen: 51.232 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampleId :

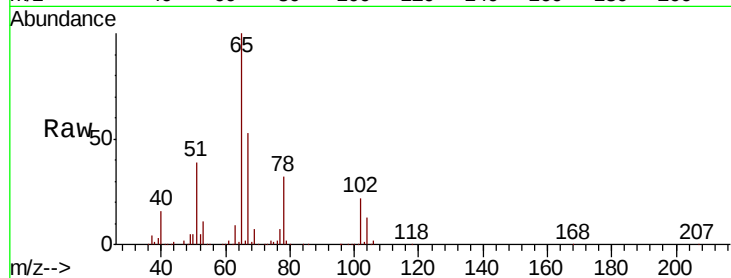
30245

Tgt Ion: 65 Resp: 736291

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

300000

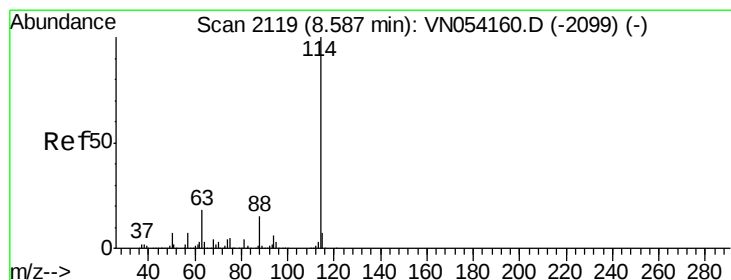
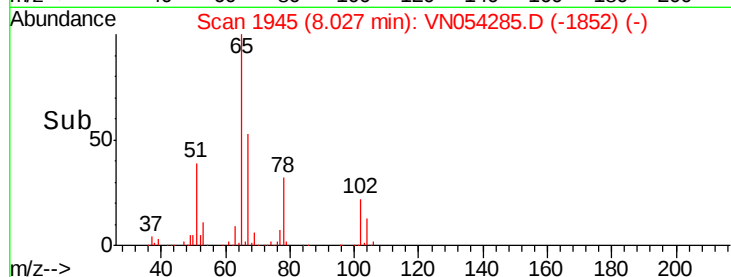
200000

100000

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: VN054285.D

Acq: 15 Mar 2019 2:44

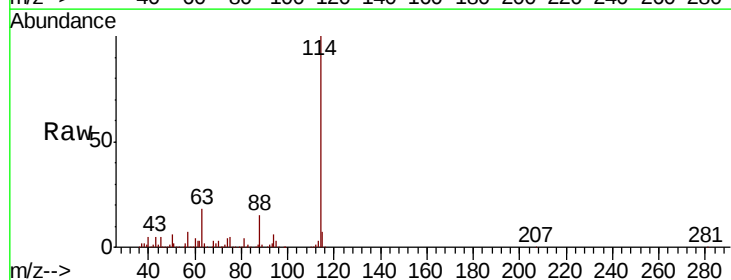
Tgt Ion: 114 Resp: 2274900

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

88 14.7 0.0 30.2



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

8.59

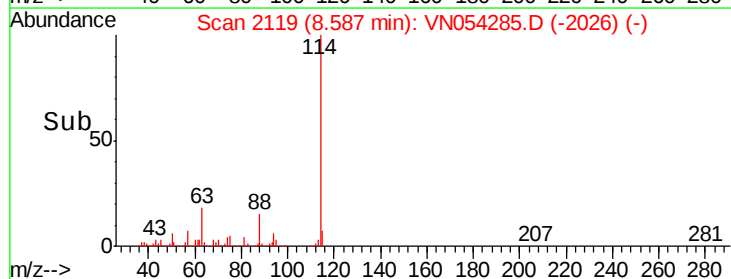
1000000

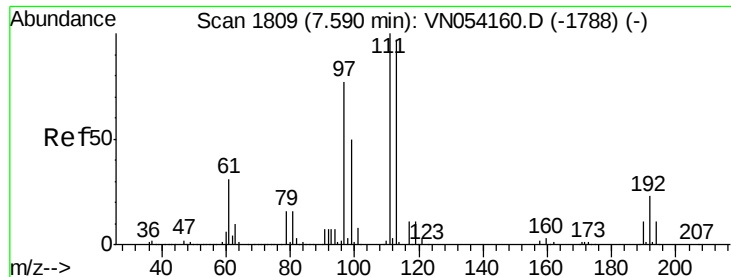
500000

0

Time-->

8.50 8.60 8.70 8.80





#35

Dibromofluoromethane

Concen: 47.467 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampleId :

30245

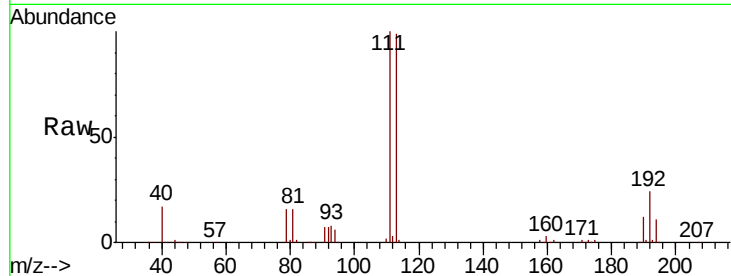
Tgt Ion:113 Resp: 696441

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

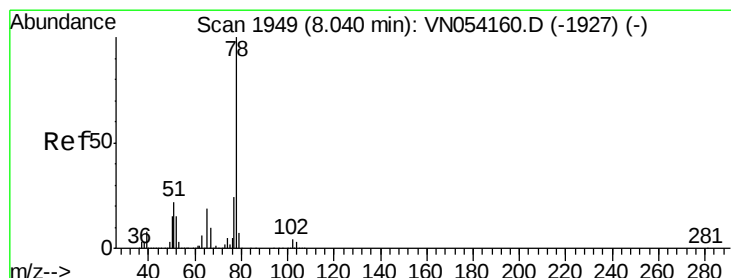
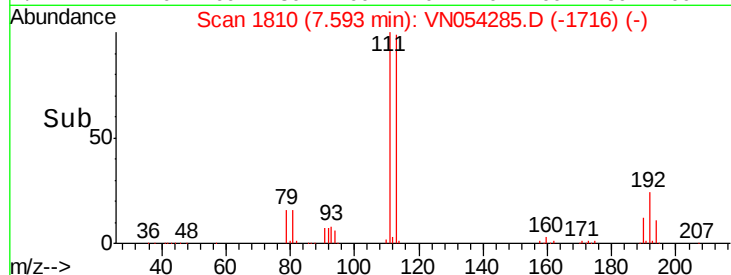
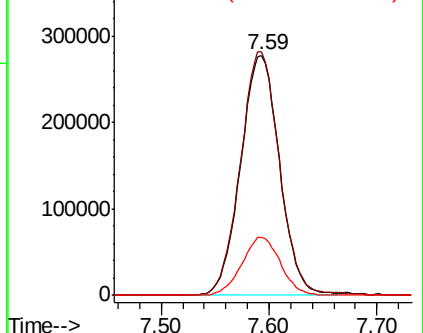
192 24.1 19.2 28.8



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



#40

Benzene

Concen: 6.036 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054285.D

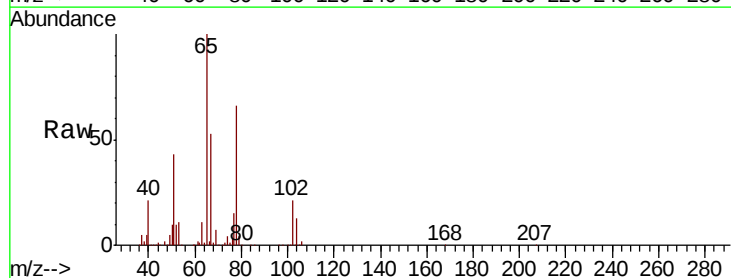
Acq: 15 Mar 2019 2:44

Tgt Ion: 78 Resp: 361845

Ion Ratio Lower Upper

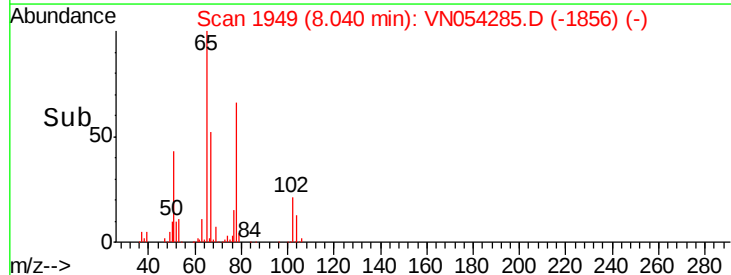
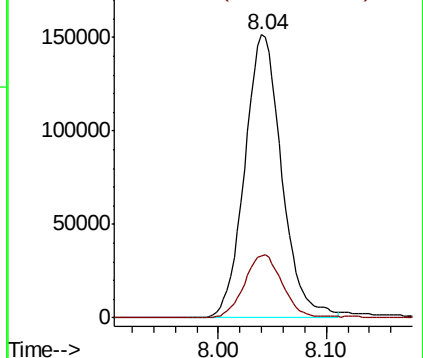
78 100

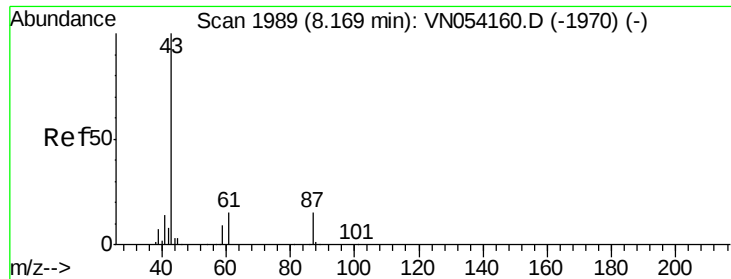
77 22.1 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V





#43

Isopropyl Acetate

Concen: 1.775 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampleId :

30245

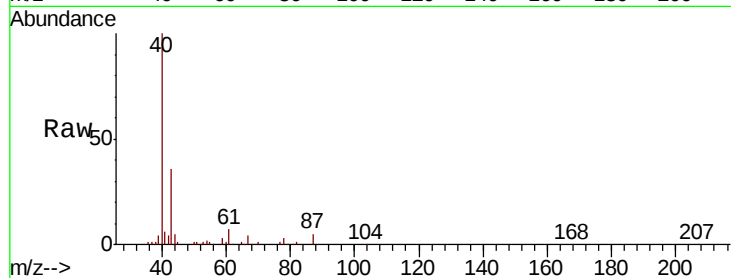
Tgt Ion: 43 Resp: 37504

Ion Ratio Lower Upper

43 100

61 20.9 15.8 23.8

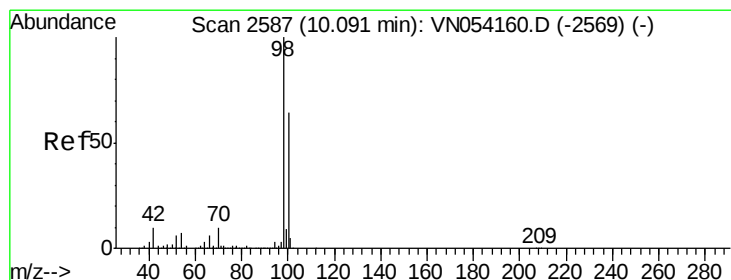
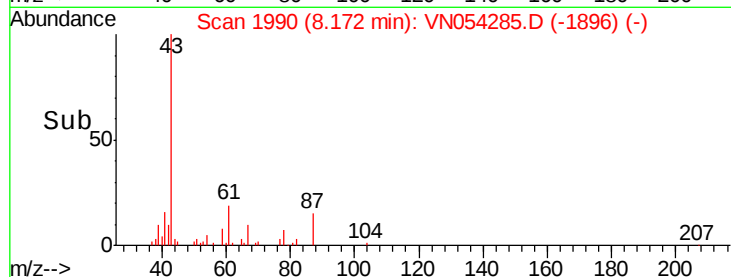
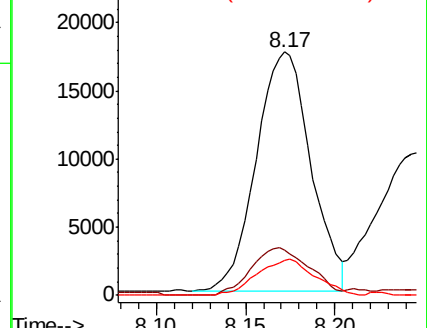
87 15.9 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)



#50

Toluene-d8

Concen: 52.626 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054285.D

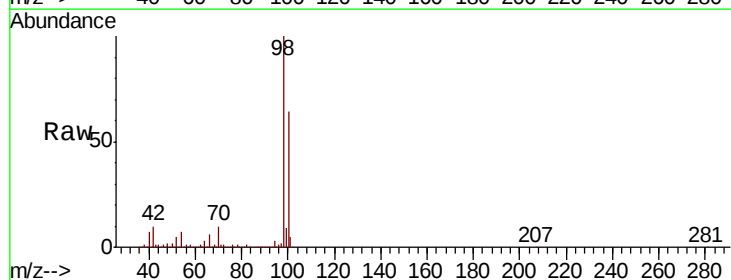
Acq: 15 Mar 2019 2:44

Tgt Ion: 98 Resp: 2851619

Ion Ratio Lower Upper

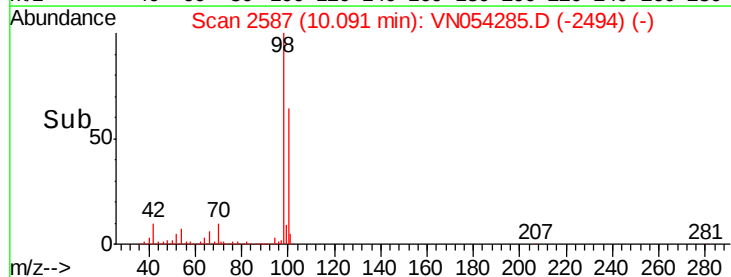
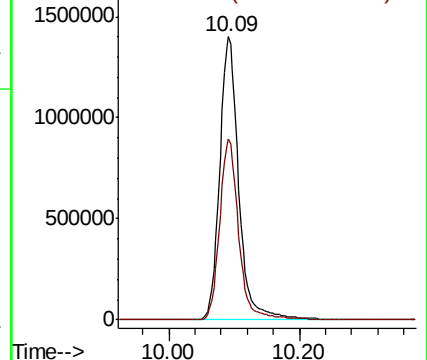
98 100

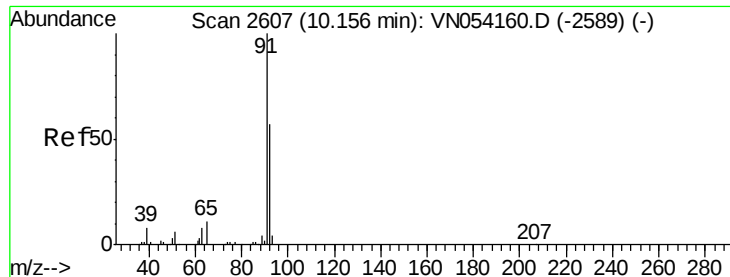
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)





#52

Toluene

Concen: 31.852 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

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ClientSampleId :

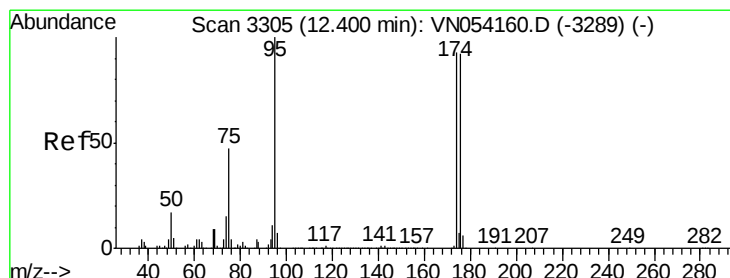
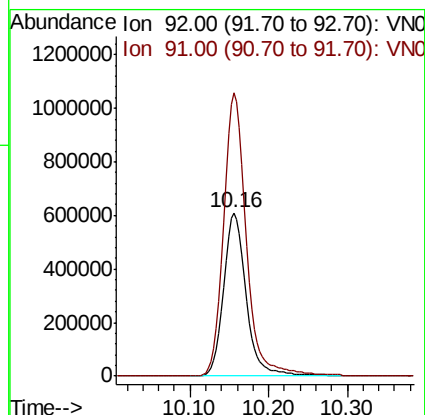
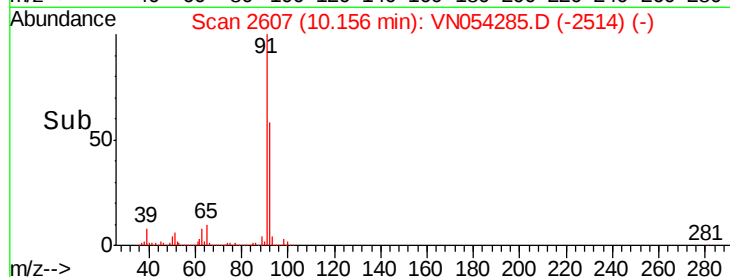
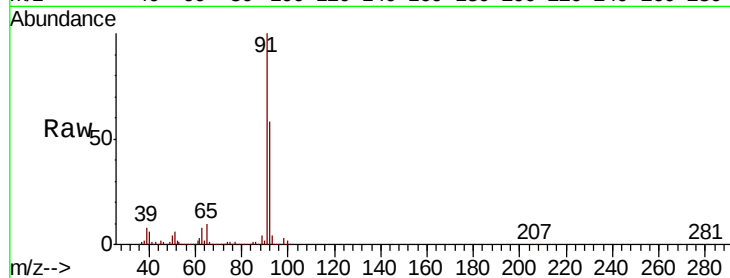
30245

Tgt Ion: 92 Resp: 1210784

Ion Ratio Lower Upper

92 100

91 174.6 140.7 211.1



#62

4-Bromofluorobenzene

Concen: 59.409 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

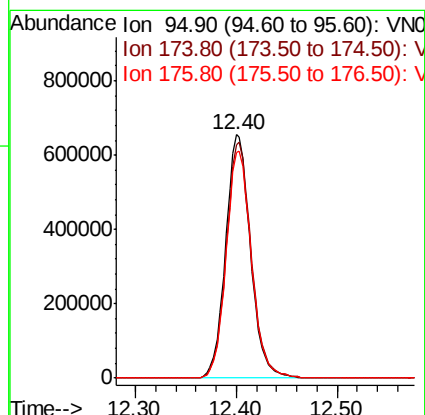
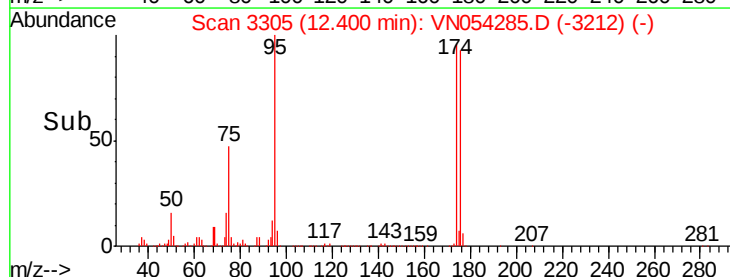
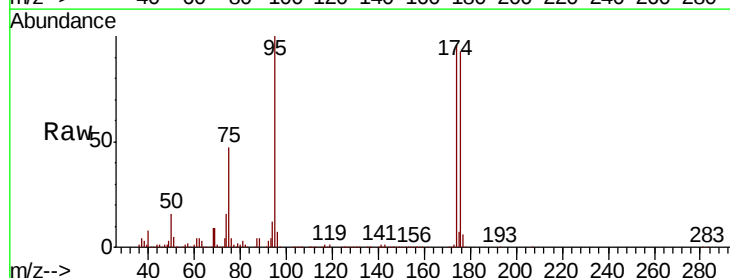
Tgt Ion: 95 Resp: 1126389

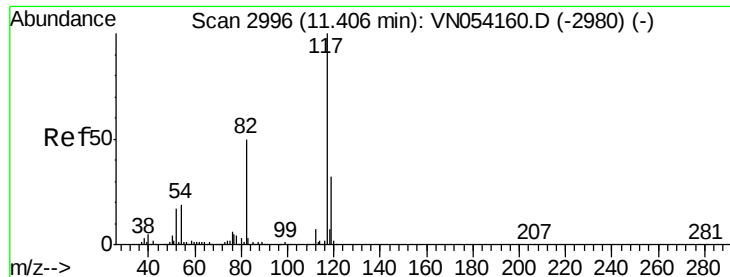
Ion Ratio Lower Upper

95 100

174 97.9 0.0 191.0

176 94.9 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

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30245

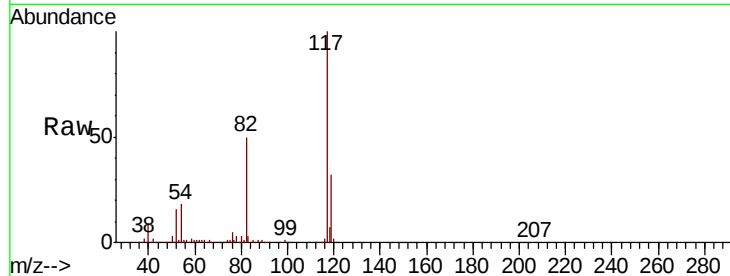
Tgt Ion:117 Resp: 2449284

Ion Ratio Lower Upper

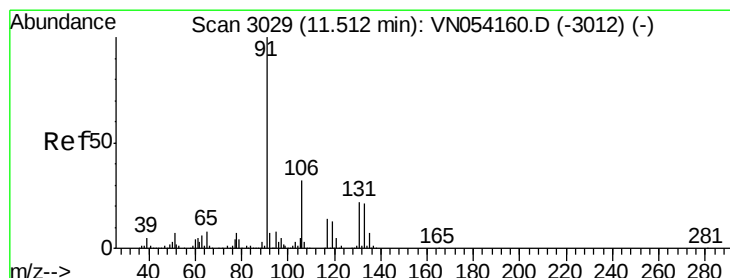
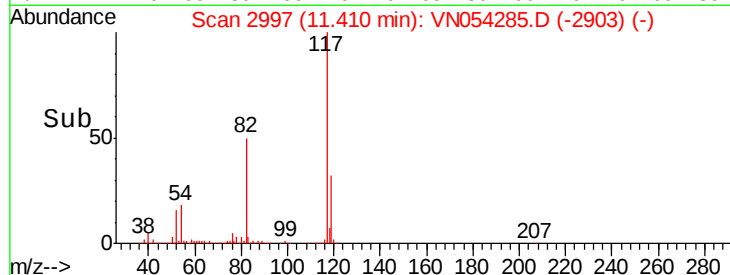
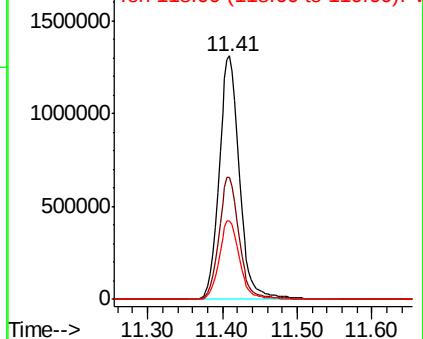
117 100

82 50.3 40.0 60.0

119 32.5 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



#67

Ethyl Benzene

Concen: 2.230 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054285.D

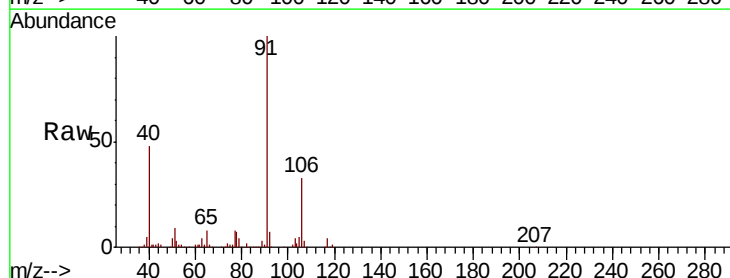
Acq: 15 Mar 2019 2:44

Tgt Ion: 91 Resp: 198762

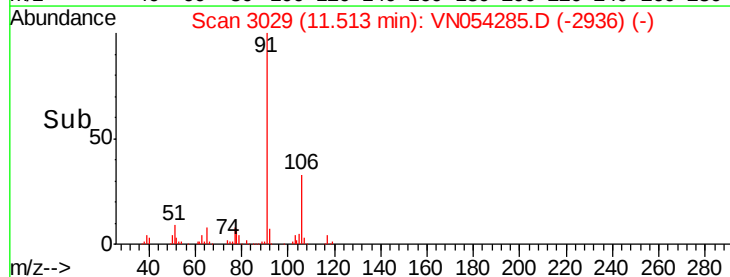
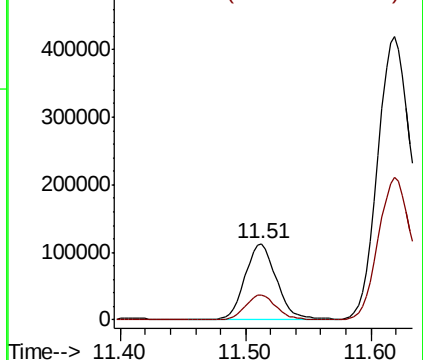
Ion Ratio Lower Upper

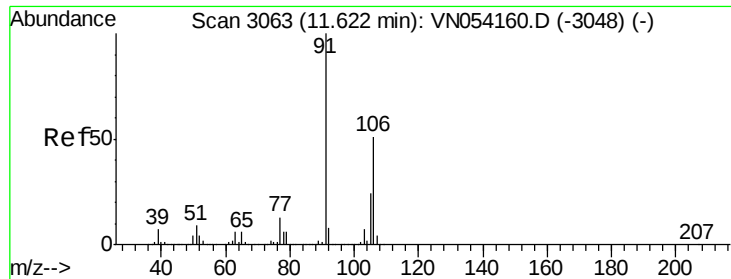
91 100

106 33.1 25.5 38.3



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

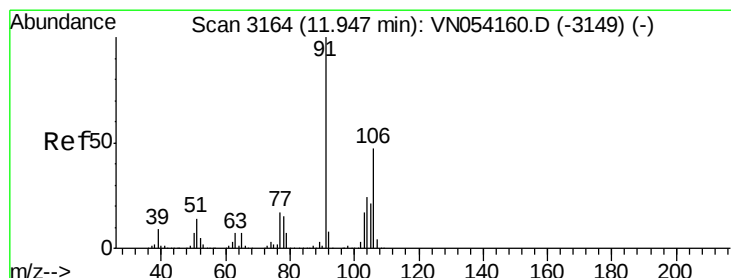
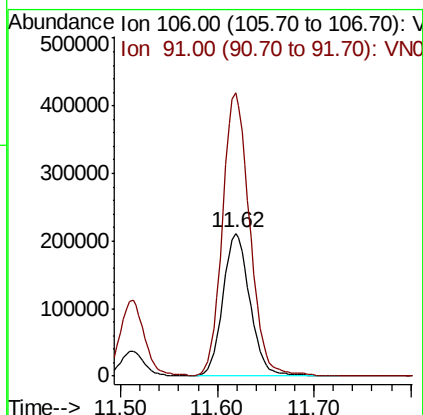
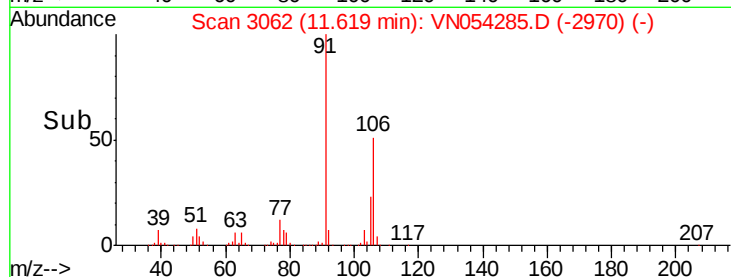
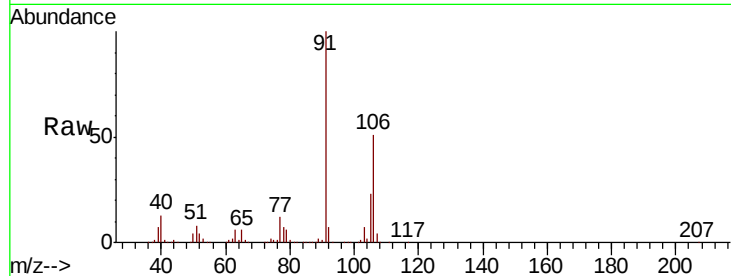




#68
m/p-Xylenes
Concen: 11.813 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

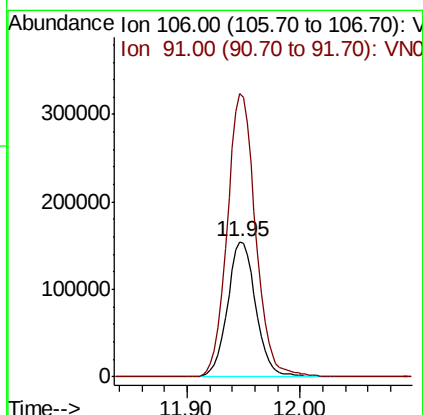
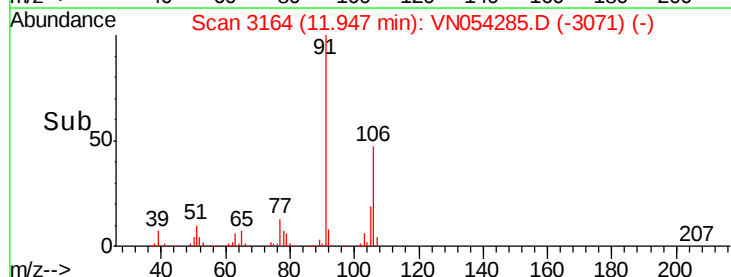
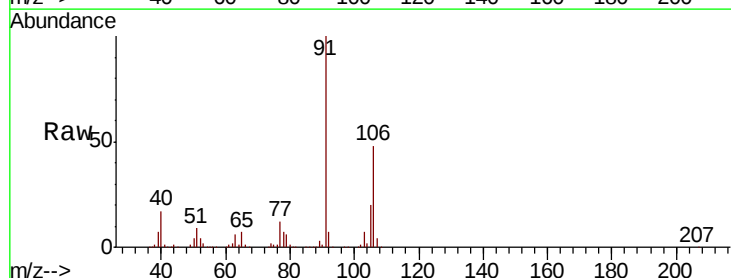
Instrument :
MSVOA_N
ClientSampled :
30245

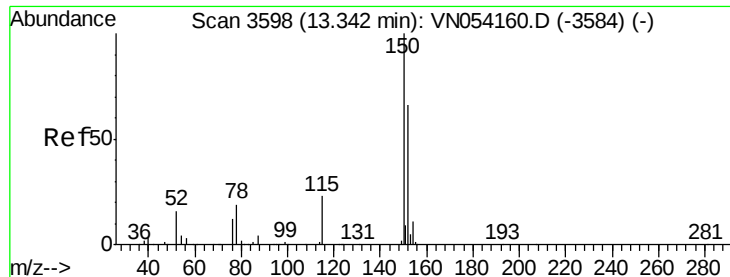
Tgt Ion:106 Resp: 411611
Ion Ratio Lower Upper
106 100
91 199.4 159.4 239.2



#69
o-Xylene
Concen: 7.929 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

Tgt Ion:106 Resp: 269326
Ion Ratio Lower Upper
106 100
91 210.0 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampleId :

30245

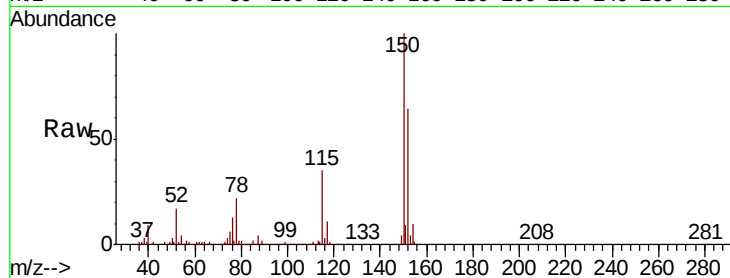
Tgt Ion:152 Resp: 1086720

Ion Ratio Lower Upper

152 100

115 55.2 27.2 81.6

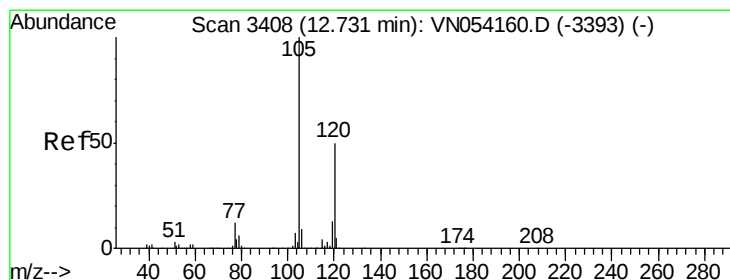
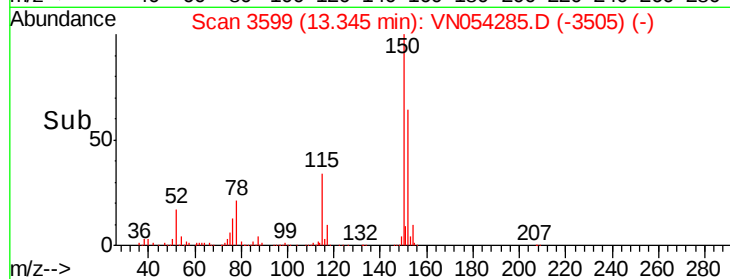
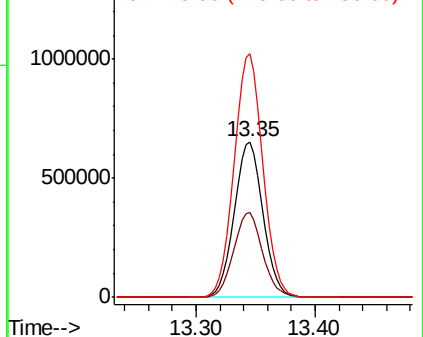
150 157.2 0.0 349.2



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



#80

1,3,5-Trimethylbenzene

Concen: 1.558 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054285.D

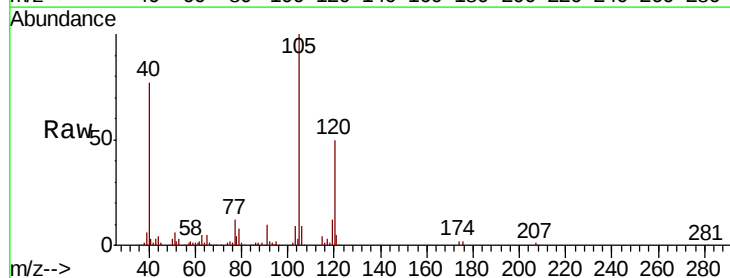
Acq: 15 Mar 2019 2:44

Tgt Ion:105 Resp: 112707

Ion Ratio Lower Upper

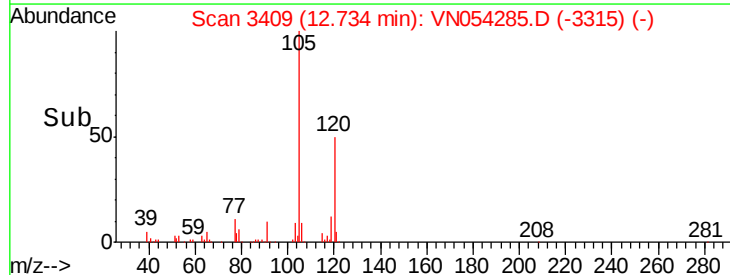
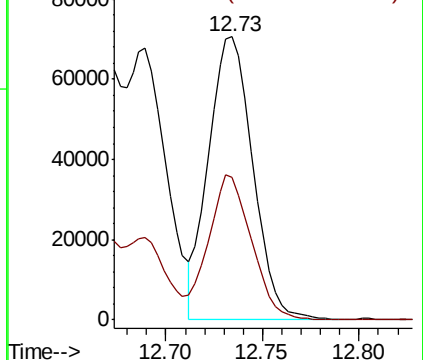
105 100

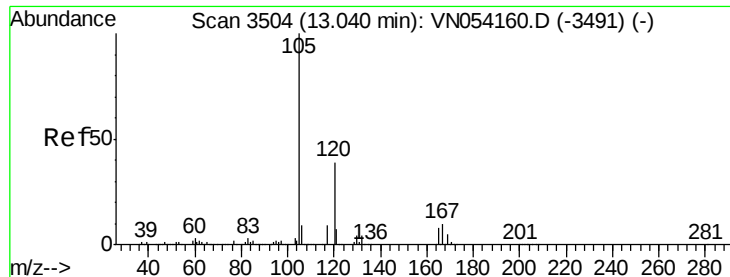
120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 5.636 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

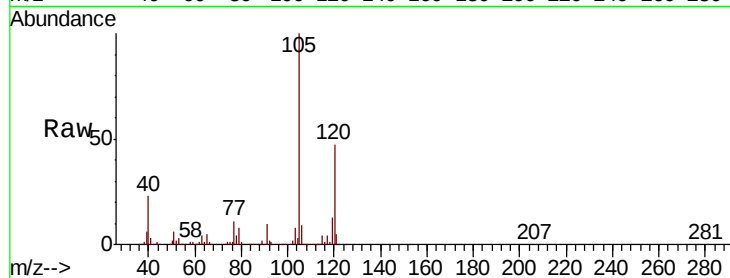
ClientSampleId :
30245

Tgt Ion:105 Resp: 399841

Ion Ratio Lower Upper

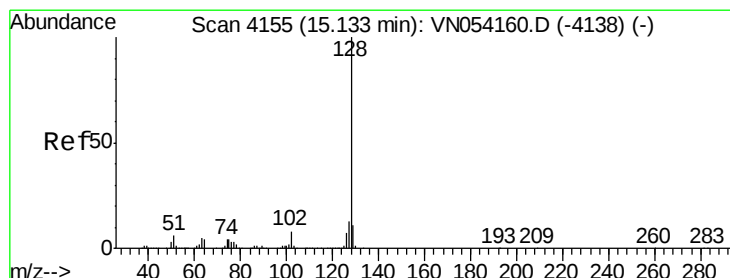
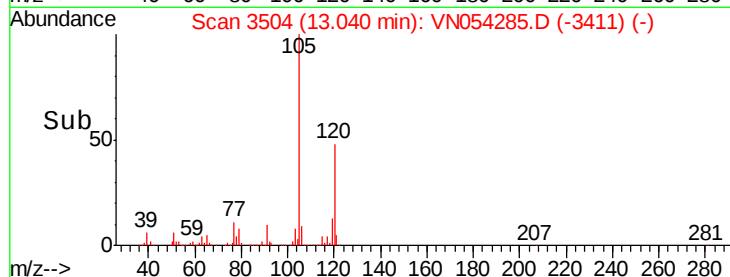
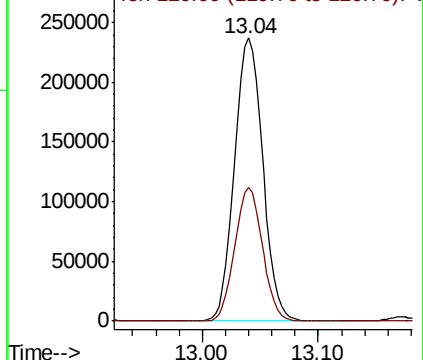
105 100

120 46.2 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 5.208 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

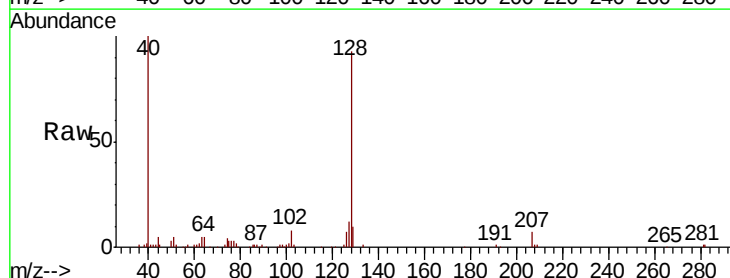
Tgt Ion:128 Resp: 89055

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

129 11.9 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

