

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053541.D
 Acq On : 28 Jan 2019 13:14
 Operator : JC/SP
 Sample : K1256-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 30175

Quant Time: Jan 29 07:16:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	962946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1475677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1350590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	572464	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	461477	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
35) Dibromofluoromethane	7.59	113	433019	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
50) Toluene-d8	10.09	98	1818361	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.40	95	616930	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	

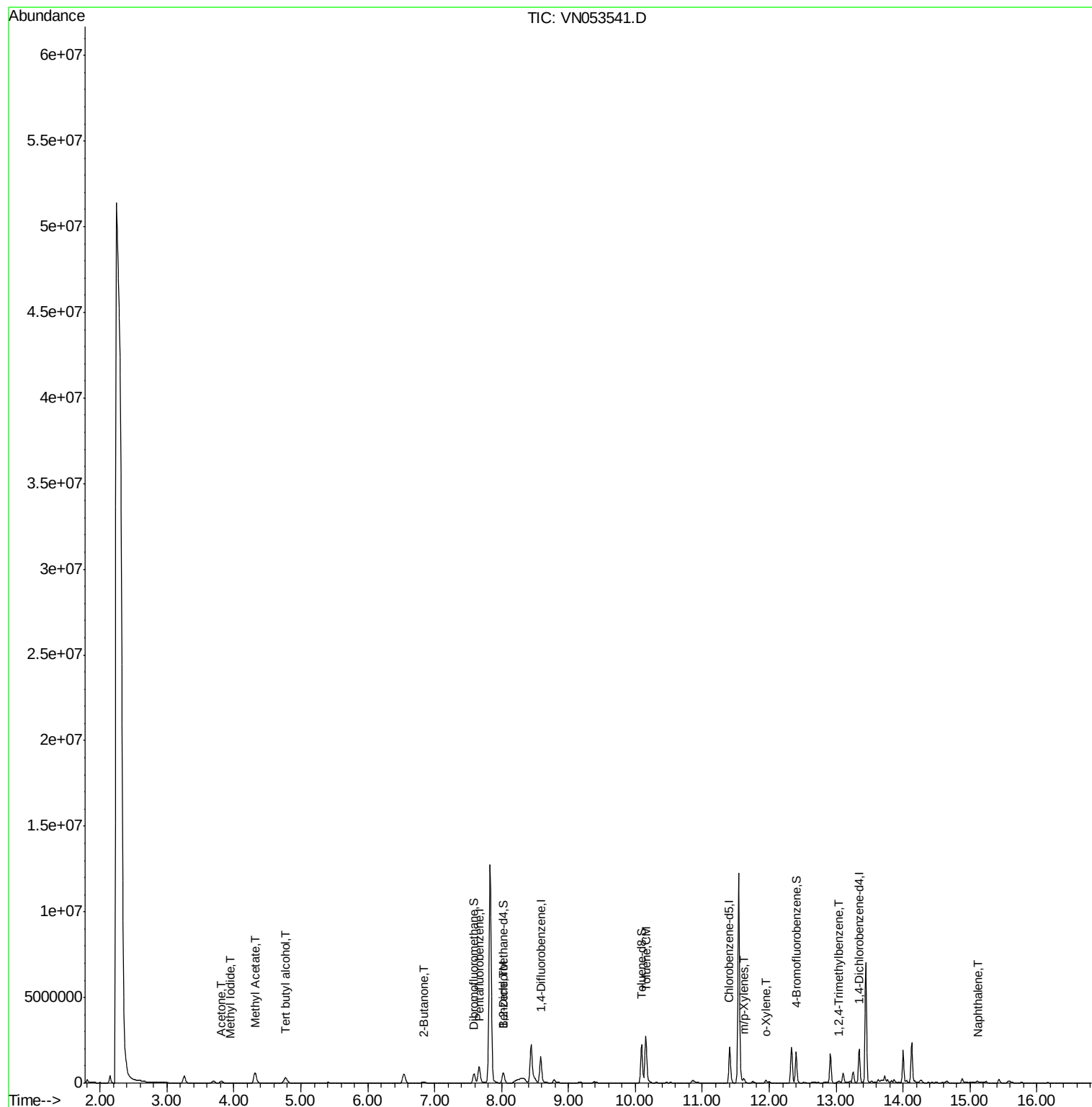
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	13776	1.020	ug/l	98
11) Tert butyl alcohol	4.77	59	596688	1281.205	ug/l	99
16) Acetone	3.81	43	216224	96.829	ug/l	99
18) Methyl Acetate	4.32	43	1161182	154.341	ug/l	99
25) 2-Butanone	6.83	43	136252	39.595	ug/l	100
40) Benzene	8.04	78	64189	1.572	ug/l	100
52) Toluene	10.16	92	1356829	53.516	ug/l	100
68) m/p-Xylenes	11.62	106	87764	4.771	ug/l	98
69) o-Xylene	11.95	106	29354	1.642	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	67871	1.973	ug/l	92
95) Naphthalene	15.13	128	44216	6.882	ug/l #	89

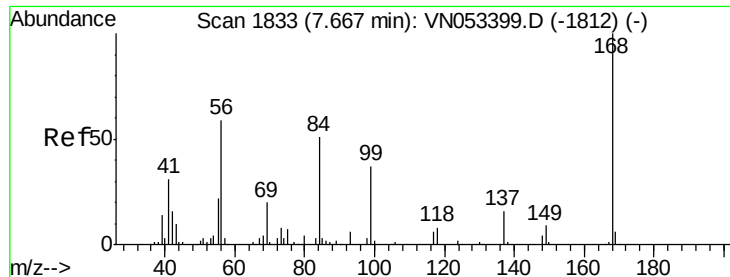
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053541.D

Acq: 28 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

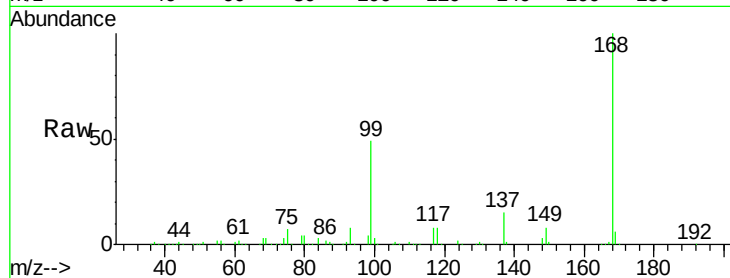
30175

Tot Ion:168 Resp: 962946

Ion Ratio Lower Upper

168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

300000

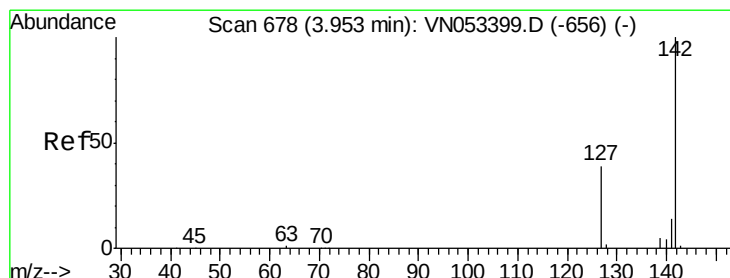
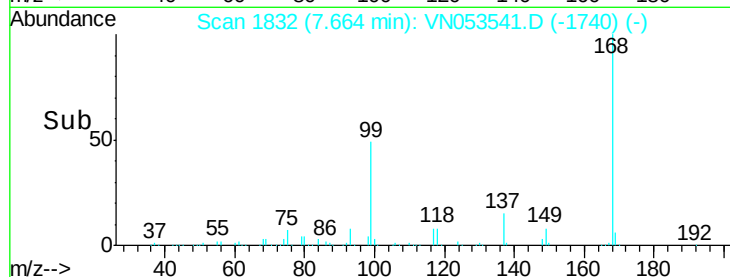
200000

100000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.020 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053541.D

Acq: 28 Jan 2019 13:14

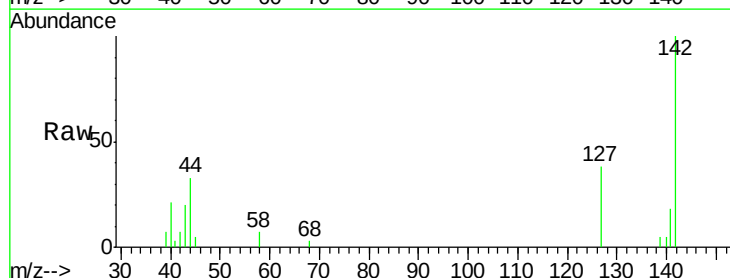
Tgt Ion:142 Resp: 13776

Ion Ratio Lower Upper

142 100

127 37.5 31.0 46.4

141 12.7 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

6000

5000

4000

3000

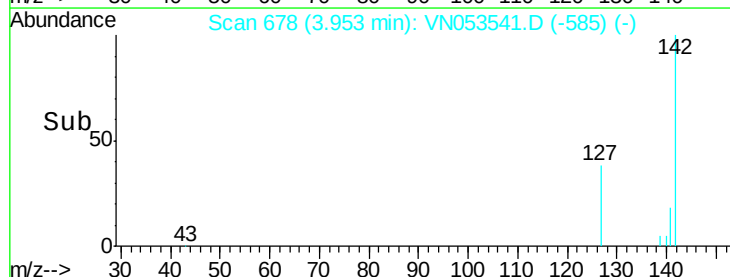
2000

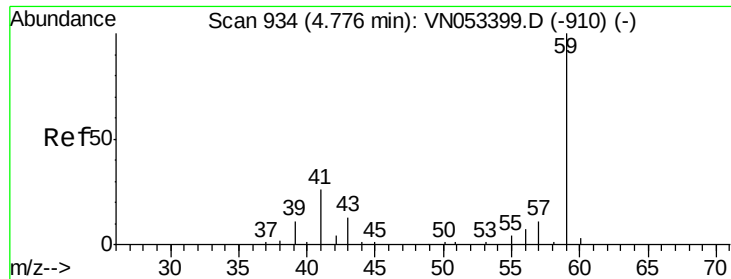
1000

0

Time-->

3.85 3.90 3.95 4.00 4.05

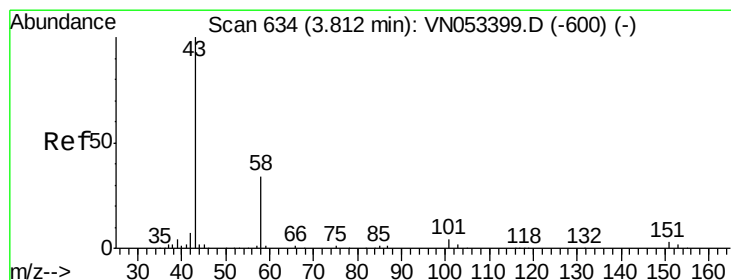
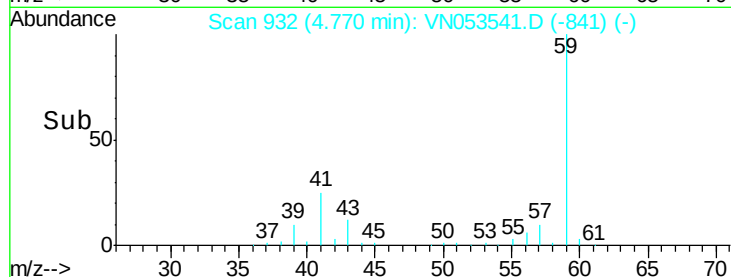
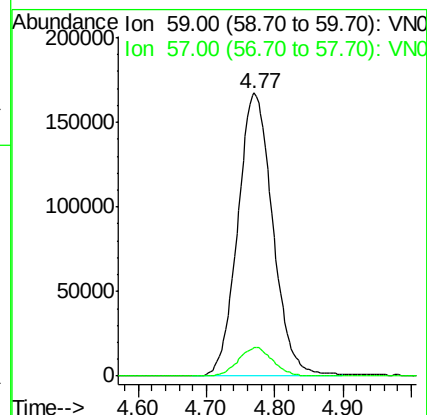
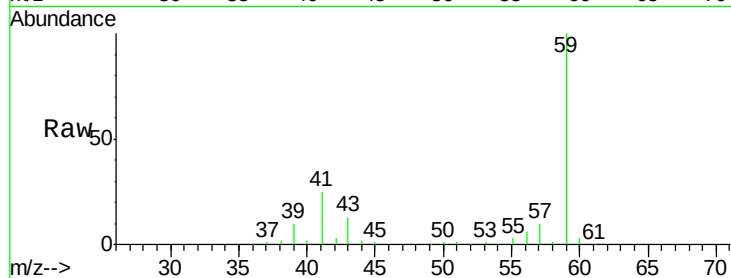




#11
Tert butyl alcohol
Concen: 1281.205 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: VN053541.D
Acq: 28 Jan 2019 13:14

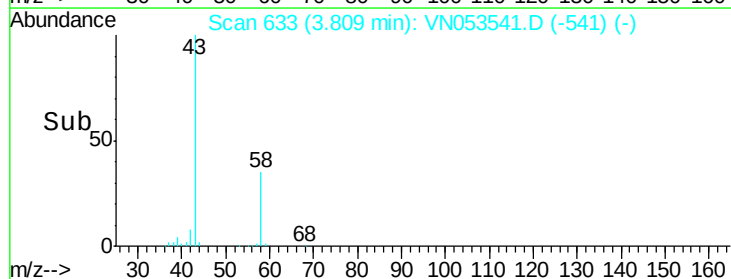
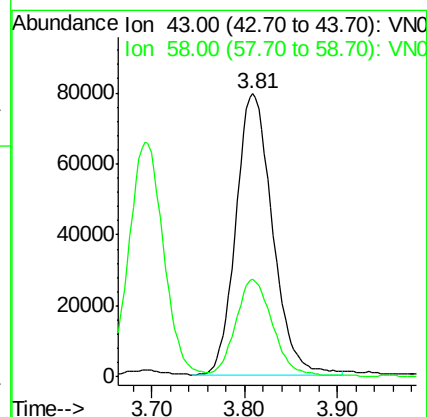
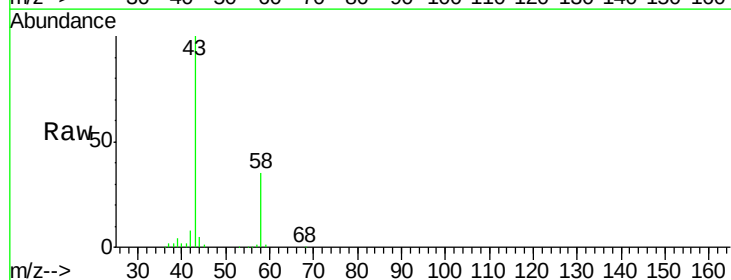
Instrument :
MSVOA_N
ClientSampled :
30175

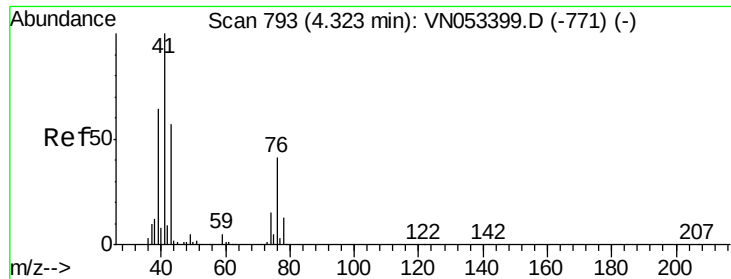
Tot Ion: 59 Resp: 596688
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4



#16
Acetone
Concen: 96.829 ug/l
RT: 3.81 min Scan# 633
Delta R.T. -0.00 min
Lab File: VN053541.D
Acq: 28 Jan 2019 13:14

Tgt Ion: 43 Resp: 216224
Ion Ratio Lower Upper
43 100
58 34.3 27.1 40.7

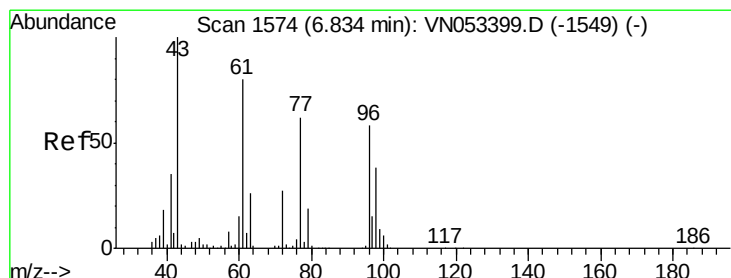
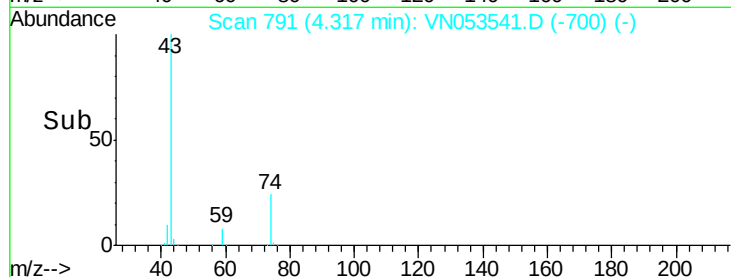
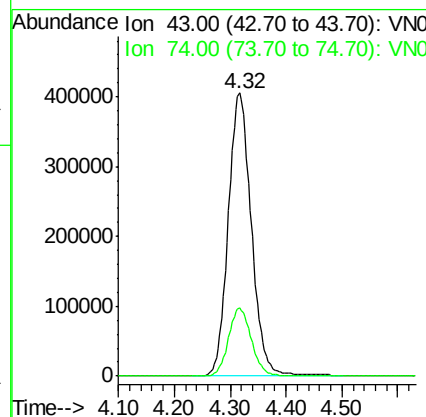
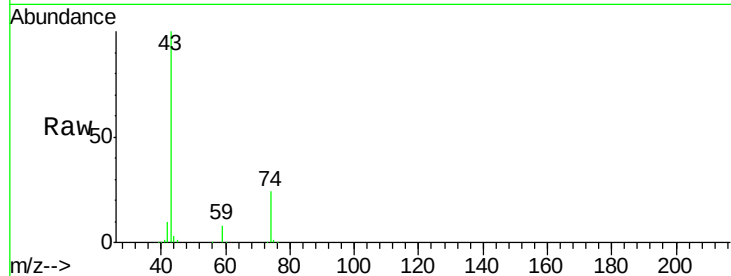




#18
Methyl Acetate
Concen: 154.341 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.01 min
Lab File: VN053541.D
Acq: 28 Jan 2019 13:14

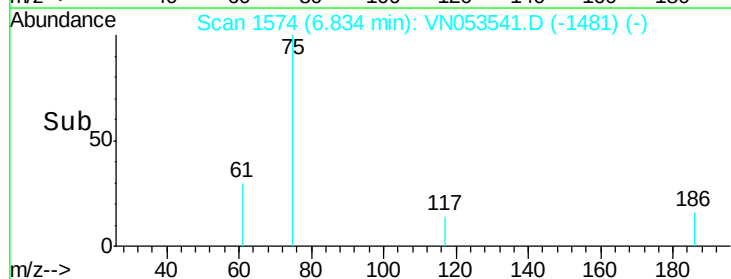
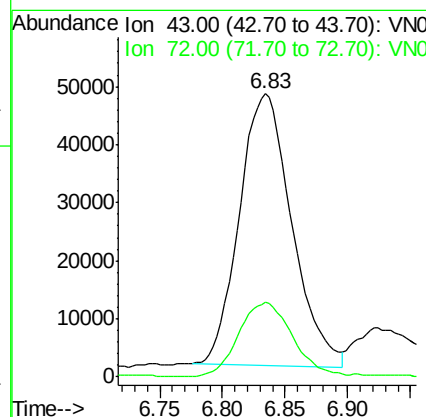
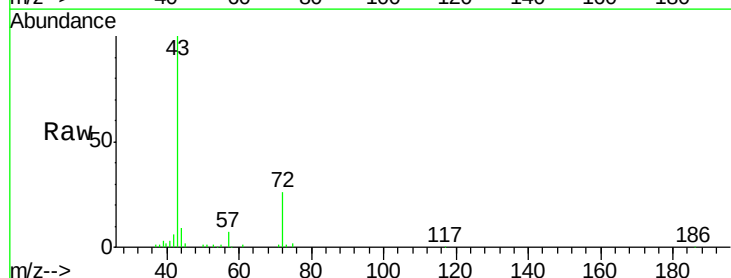
Instrument :
MSVOA_N
ClientSampled :
30175

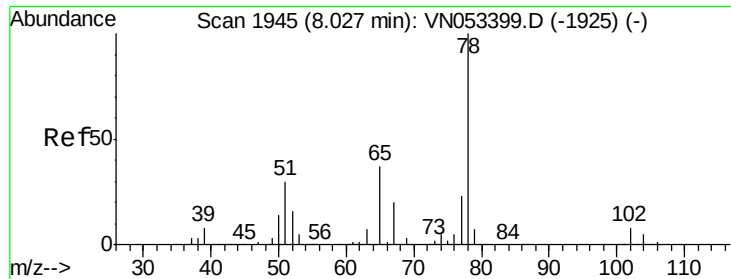
Tot Ion: 43 Resp: 1161182
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2



#25
2-Butanone
Concen: 39.595 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053541.D
Acq: 28 Jan 2019 13:14

Tgt Ion: 43 Resp: 136252
Ion Ratio Lower Upper
43 100
72 27.6 22.0 33.0

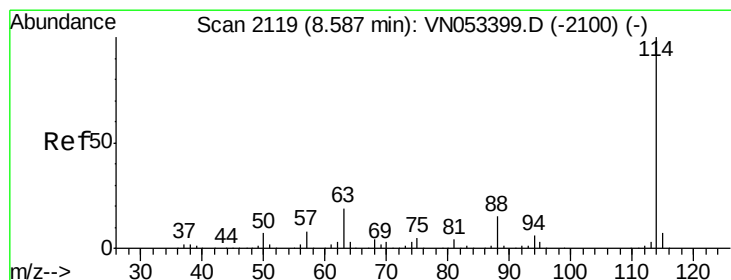
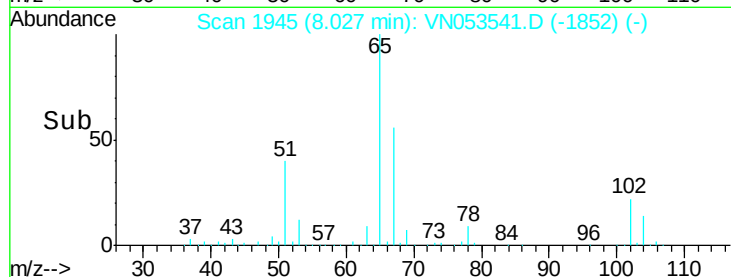
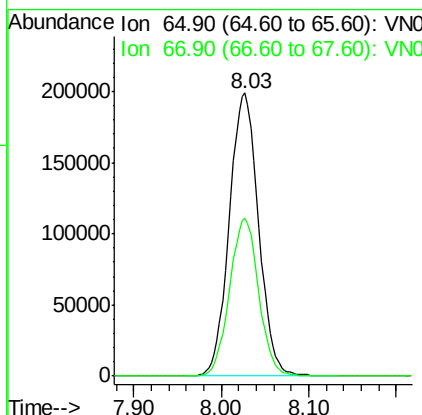
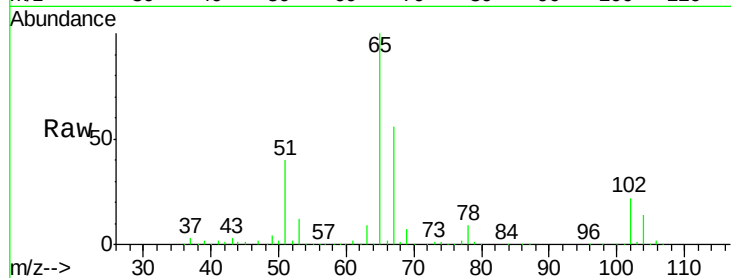




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053541.D
 Acq: 28 Jan 2019 13:14

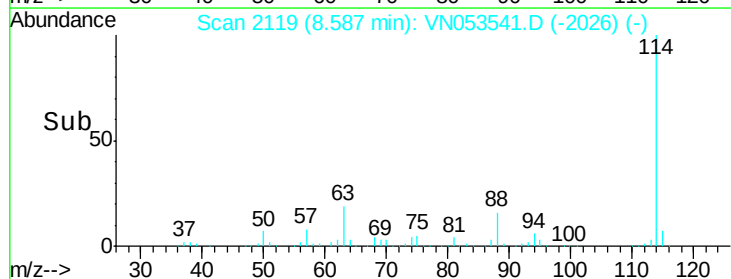
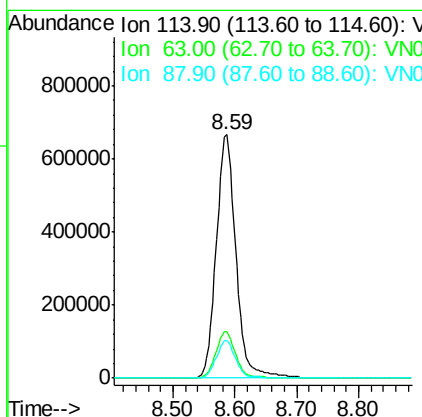
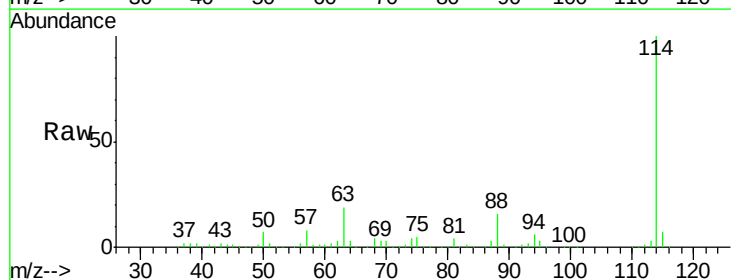
Instrument :
 MSVOA_N
 ClientSampled :
 30175

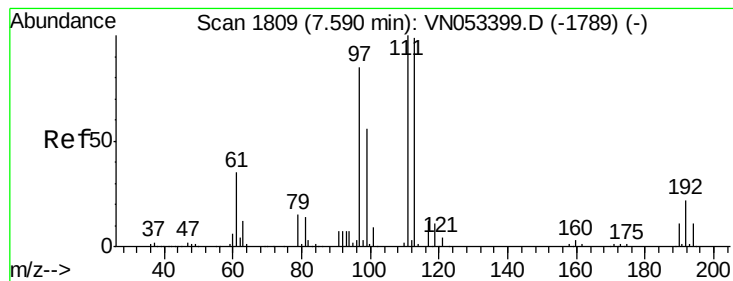
Tot Ion: 65 Resp: 461477
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053541.D
 Acq: 28 Jan 2019 13:14

Tgt Ion: 114 Resp: 1475677
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053541.D

Acq: 28 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

30175

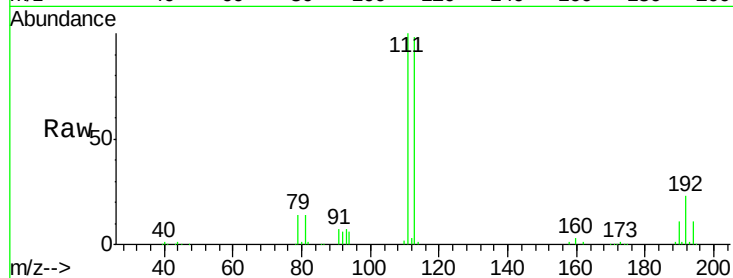
Tot Ion:113 Resp: 433019

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

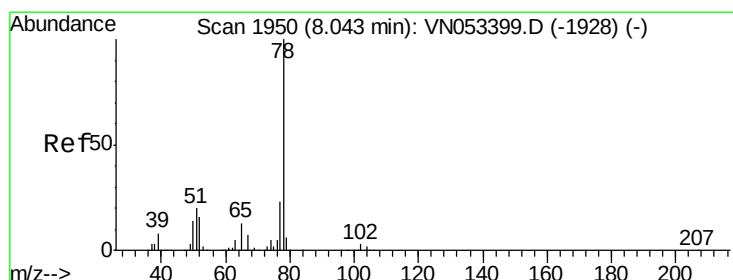
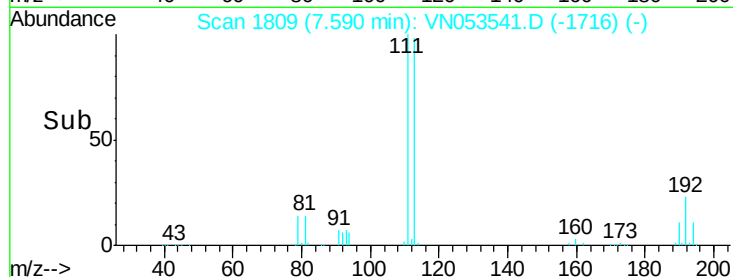
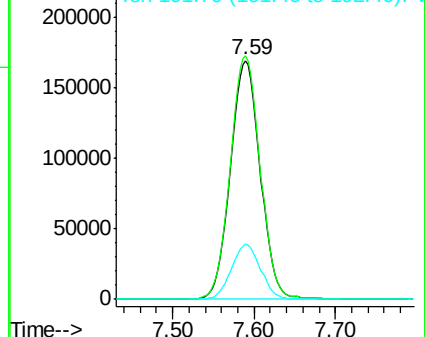
192 22.7 18.2 27.2



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



#40

Benzene

Concen: 1.572 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN053541.D

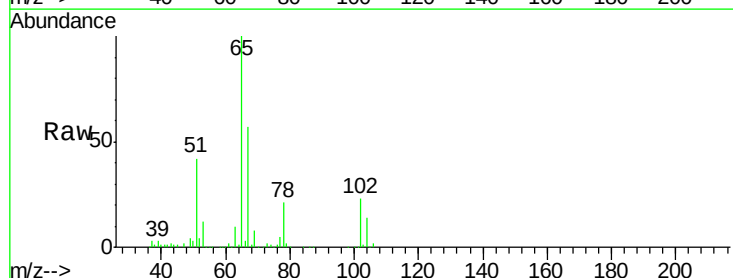
Acq: 28 Jan 2019 13:14

Tgt Ion: 78 Resp: 64189

Ion Ratio Lower Upper

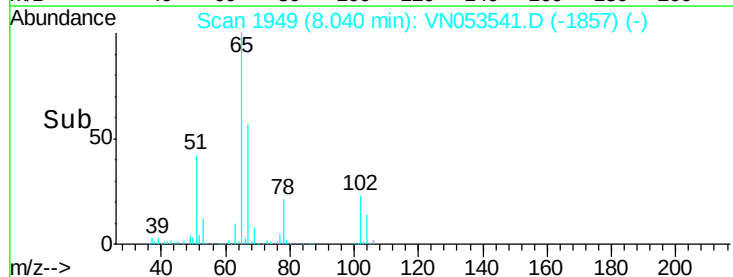
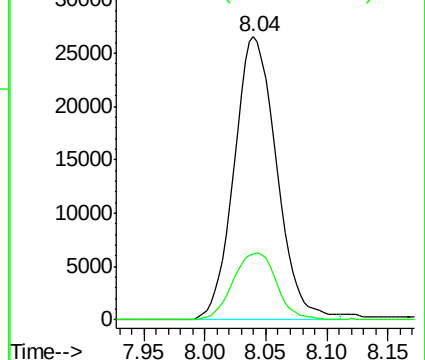
78 100

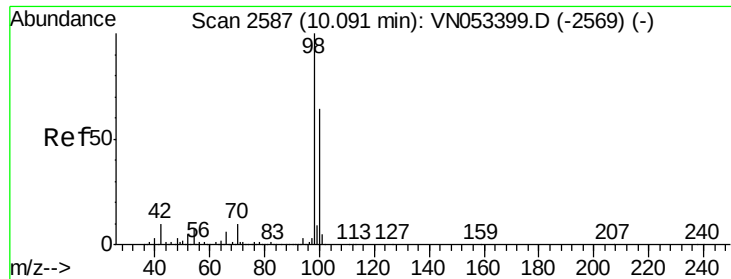
77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053541.D

Acq: 28 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

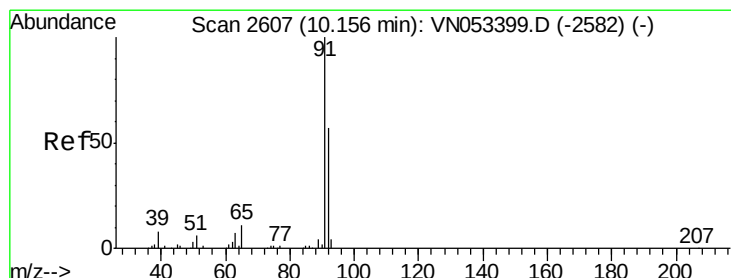
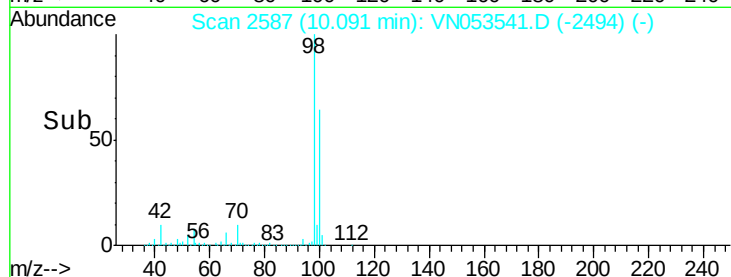
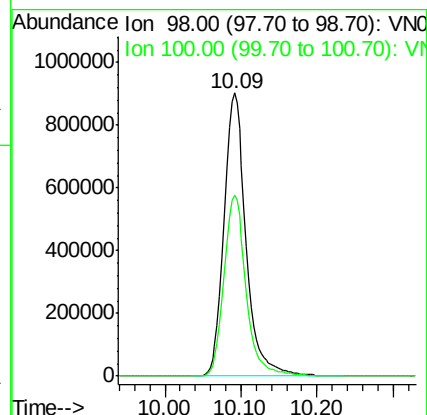
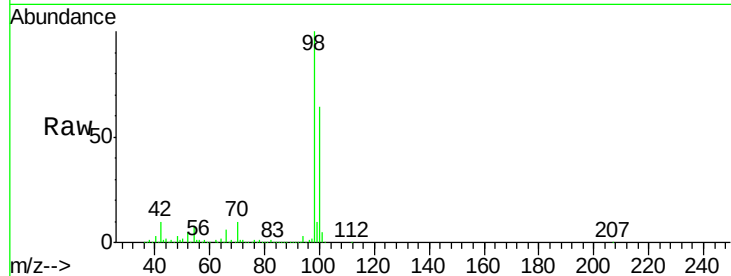
30175

Tot Ion: 98 Resp: 1818361

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



#52

Toluene

Concen: 53.516 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053541.D

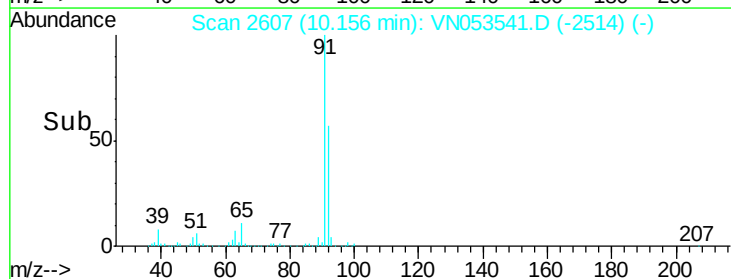
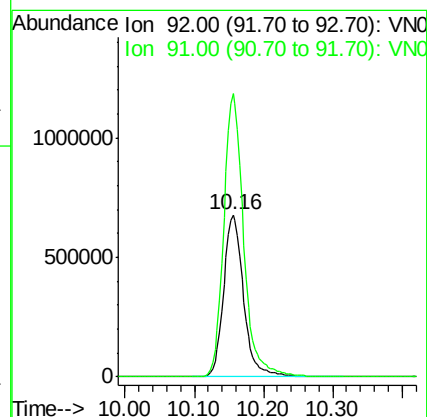
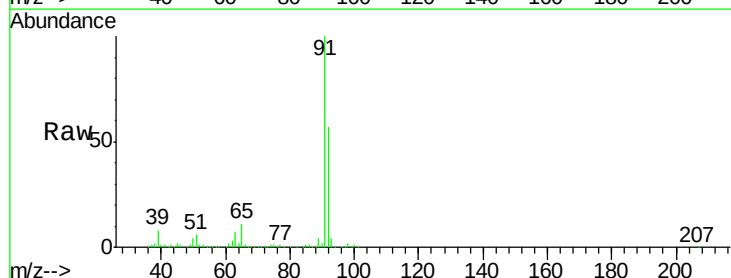
Acq: 28 Jan 2019 13:14

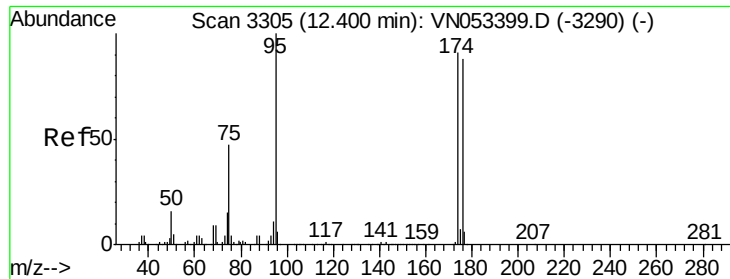
Tgt Ion: 92 Resp: 1356829

Ion Ratio Lower Upper

92 100

91 174.4 139.9 209.9





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053541.D

Acq: 28 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

30175

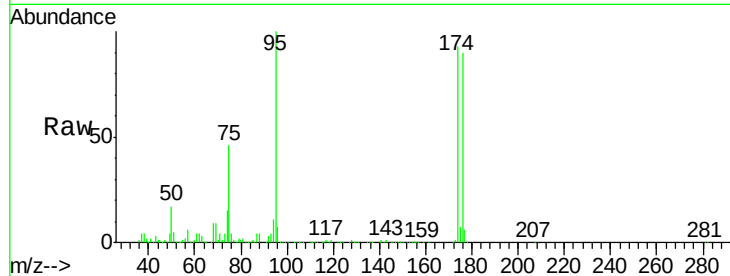
Tot Ion: 95 Resp: 616930

Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.2

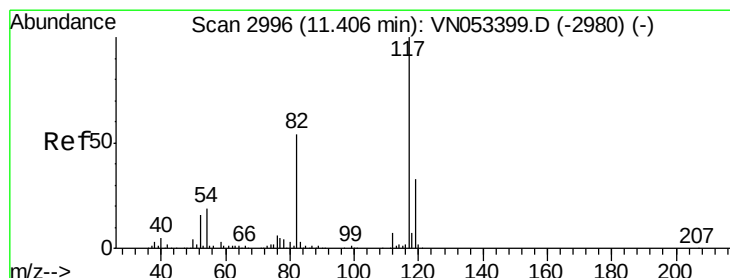
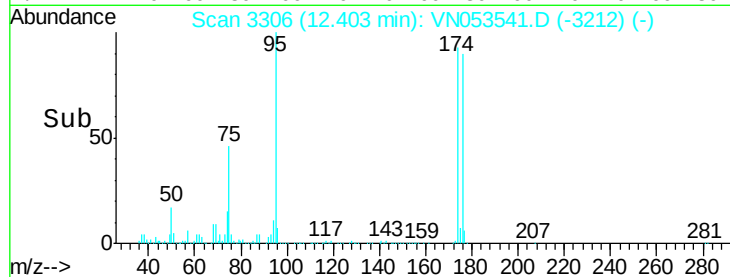
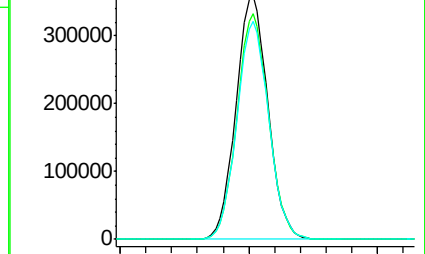
176 89.5 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053541.D

Acq: 28 Jan 2019 13:14

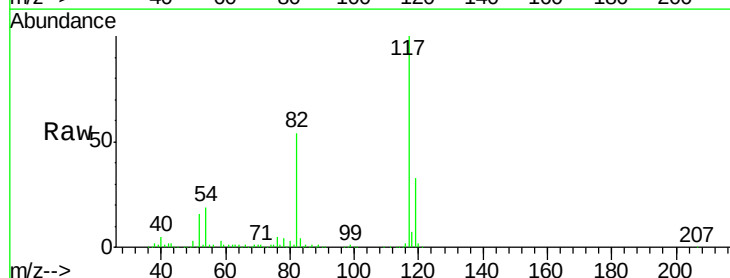
Tgt Ion: 117 Resp: 1350590

Ion Ratio Lower Upper

117 100

82 53.5 42.9 64.3

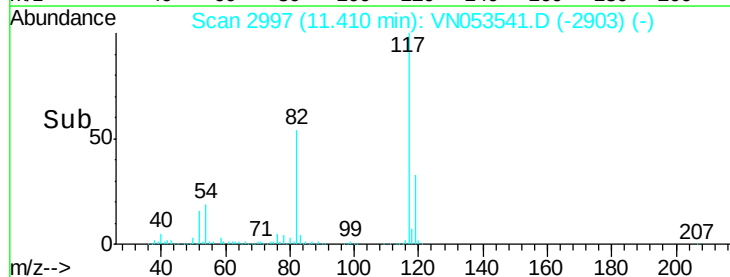
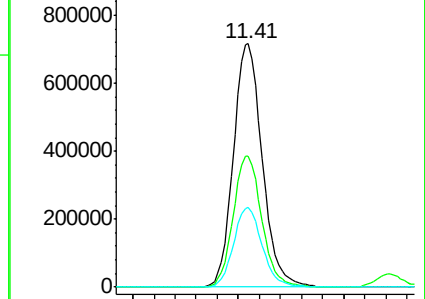
119 32.7 26.0 39.0

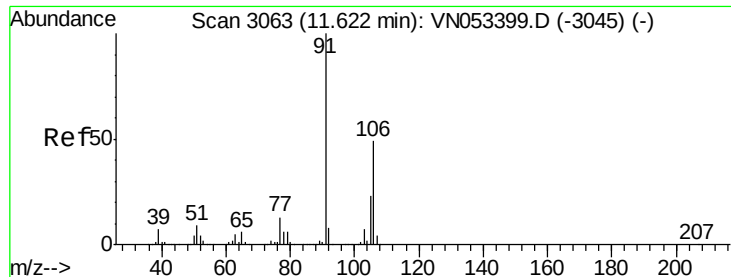


Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)

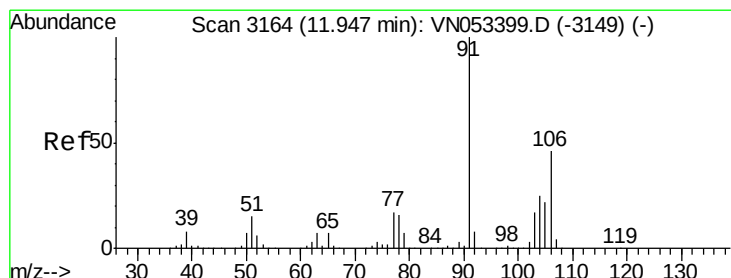
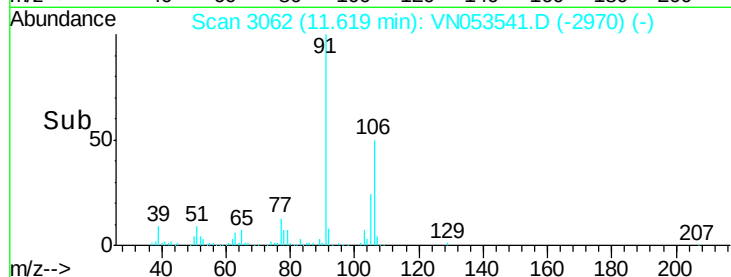
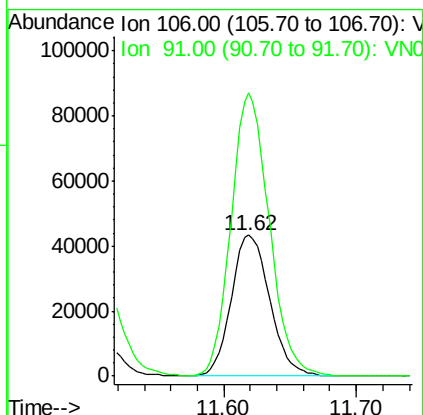
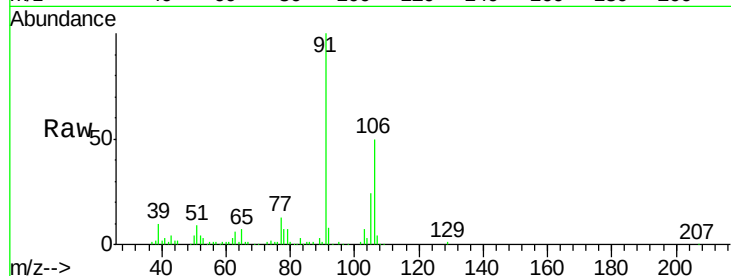




#68
m/p-Xylenes
Concen: 4.771 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053541.D
Acq: 28 Jan 2019 13:14

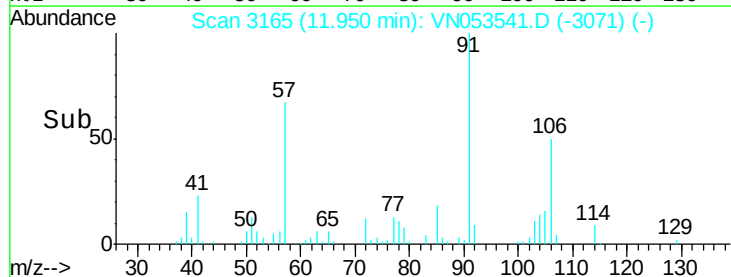
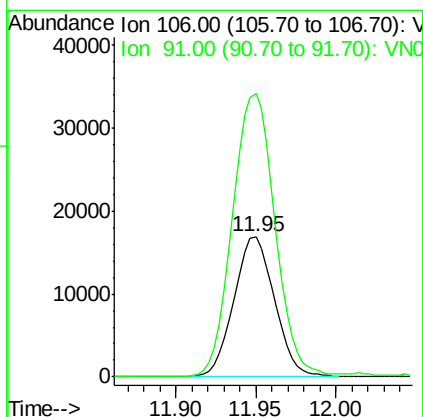
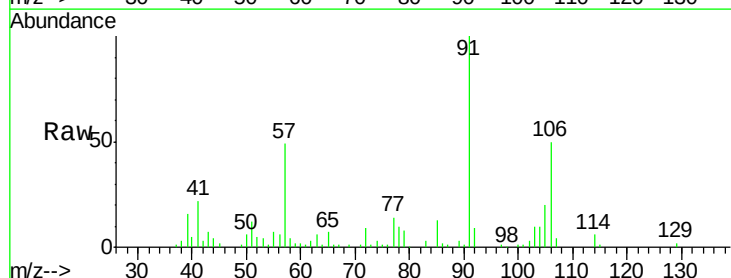
Instrument :
MSVOA_N
ClientSampled :
30175

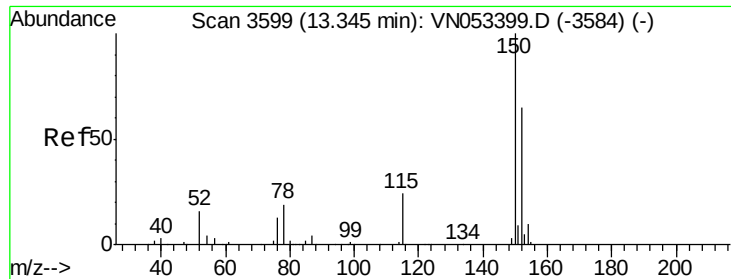
Tot Ion:106 Resp: 87764
Ion Ratio Lower Upper
106 100
91 198.3 161.4 242.2



#69
o-Xylene
Concen: 1.642 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053541.D
Acq: 28 Jan 2019 13:14

Tgt Ion:106 Resp: 29354
Ion Ratio Lower Upper
106 100
91 211.3 106.9 320.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053541.D

Acq: 28 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

30175

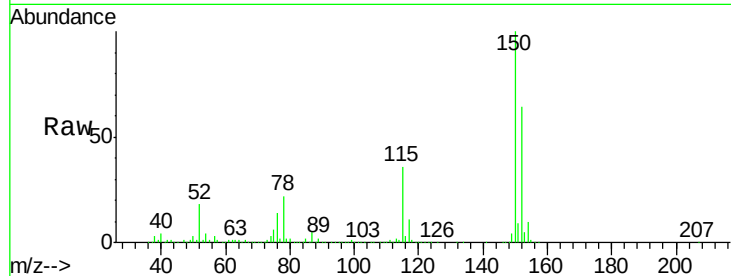
Tot Ion:152 Resp: 572464

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.4

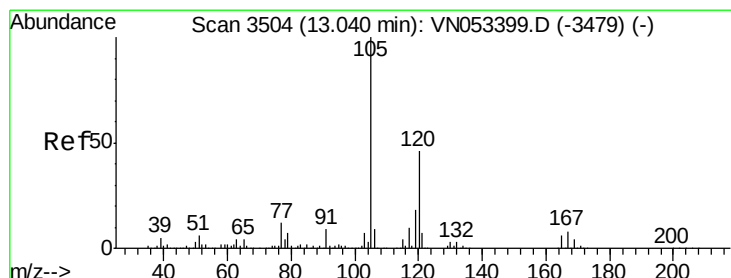
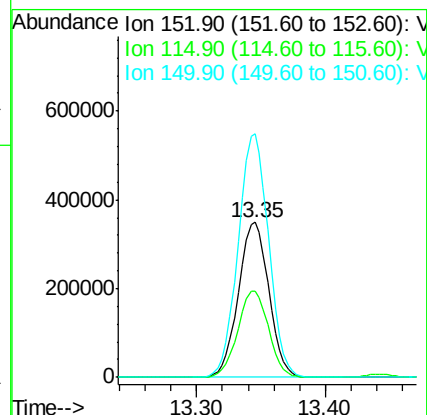
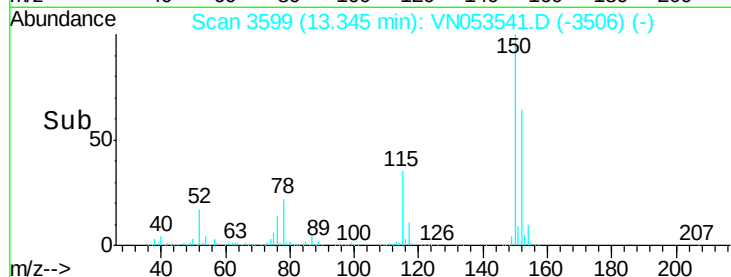
150 157.2 0.0 349.0



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



#84

1,2,4-Trimethylbenzene

Concen: 1.973 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053541.D

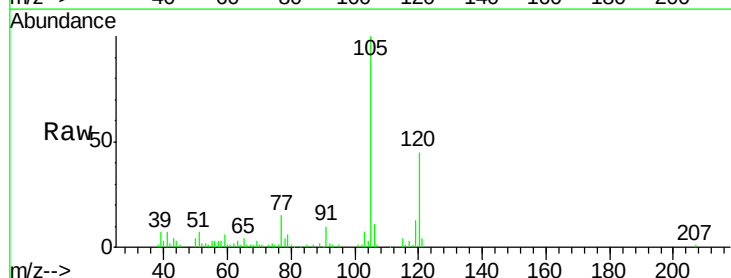
Acq: 28 Jan 2019 13:14

Tgt Ion:105 Resp: 67871

Ion Ratio Lower Upper

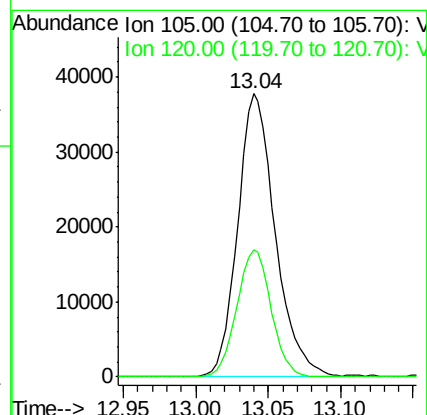
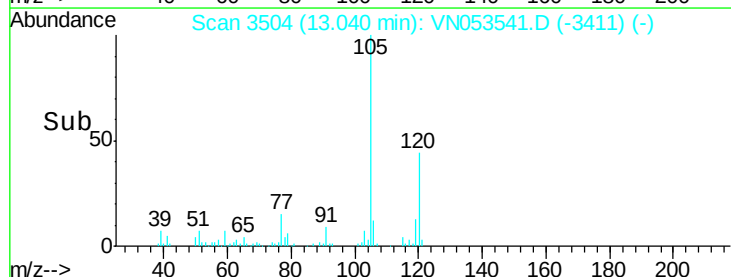
105 100

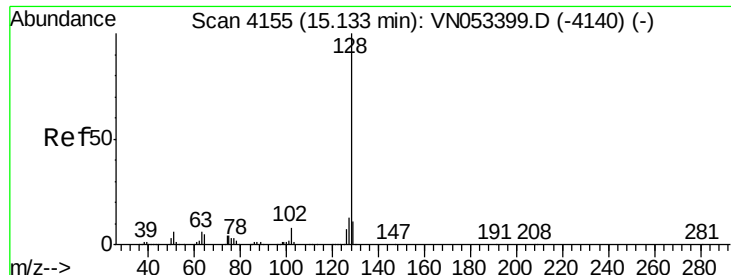
120 41.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 6.882 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053541.D

Acq: 28 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

30175

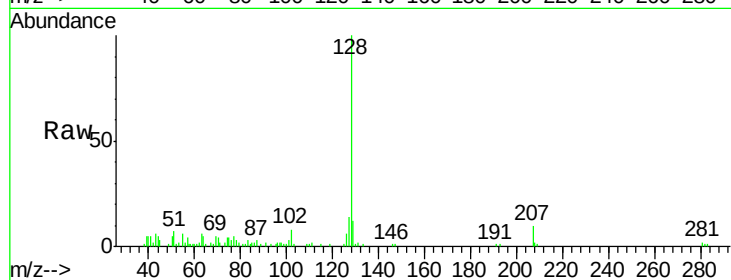
Tot Ion:128 Resp: 44216

Ion Ratio Lower Upper

128 100

127 15.3 10.3 15.5

129 16.7 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

