

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054388.D
 Acq On : 18 Mar 2019 12:37
 Operator : JC/SP
 Sample : K1960-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-031519-01

Quant Time: Mar 19 09:47:18 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	7.66	168	1703542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2525511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2119643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	811923	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	862103	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
35) Dibromofluoromethane	7.59	113	778429	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	10.09	98	2906667	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.40	95	874248	41.53	ug/l	0.00
Spiked Amount			Recovery	=	83.06%	

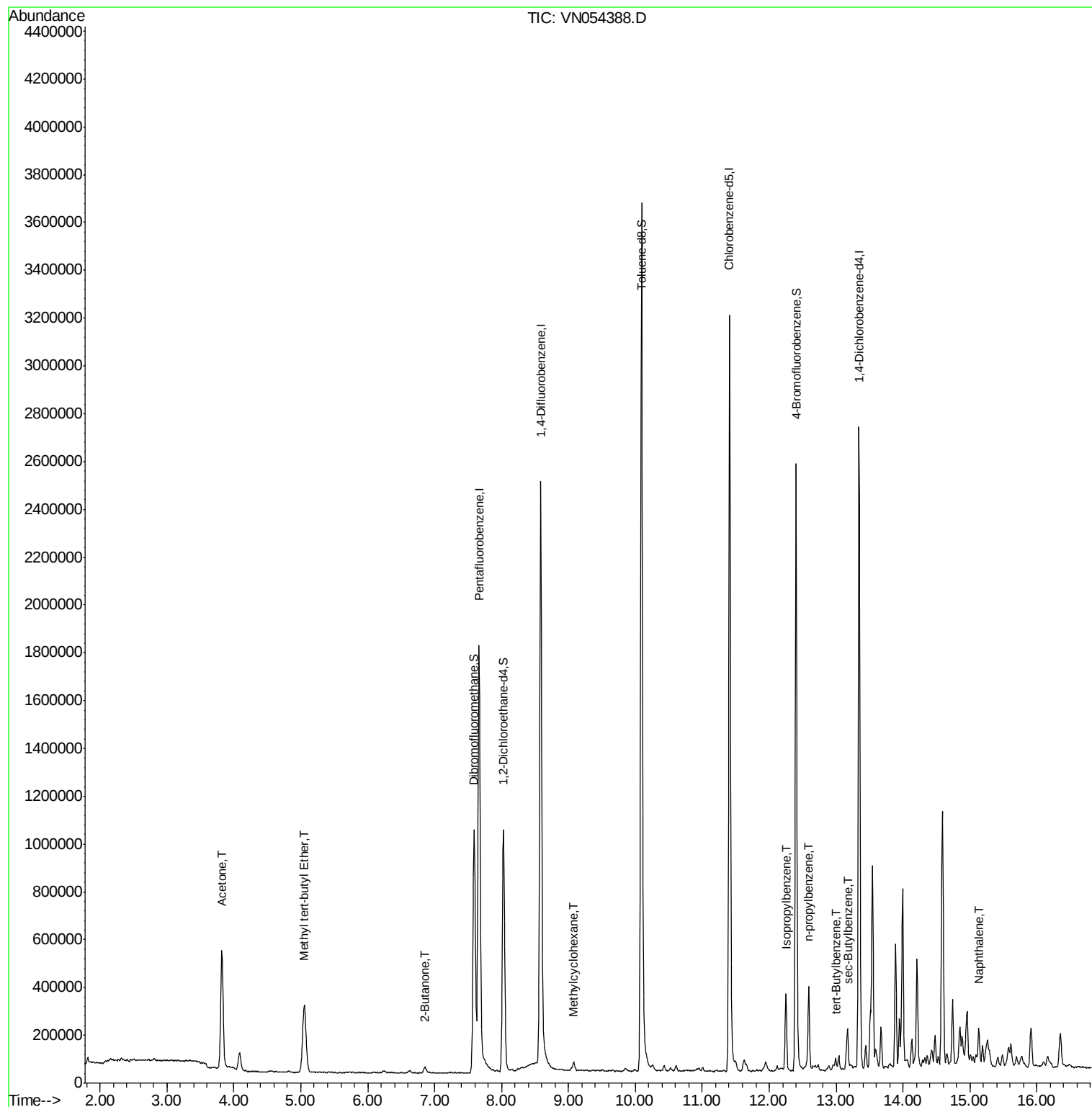
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	791519	152.801	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	500450	11.408	ug/l	98
25) 2-Butanone	6.85	43	32929	5.416	ug/l	96
39) Methylcyclohexane	9.08	83	17596	0.615	ug/l	93
73) Isopropylbenzene	12.25	105	224711	3.459	ug/l	97
78) n-propylbenzene	12.59	91	277903	3.943	ug/l	100
83) tert-Butylbenzene	12.99	119	24462	0.492	ug/l	91
85) sec-Butylbenzene	13.17	105	116161	1.801	ug/l	84
95) Naphthalene	15.13	128	146629	7.301	ug/l	97

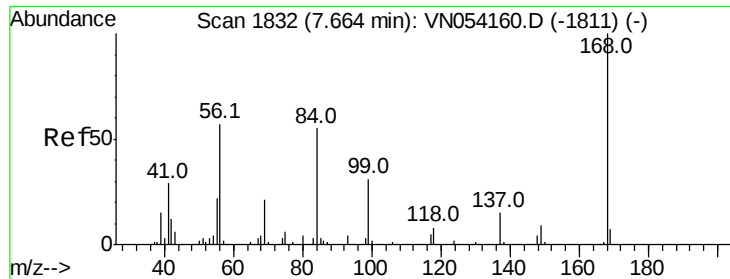
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DUP-031519-01

Quant Time: Mar 19 09:47:18 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

ClientSampleId :

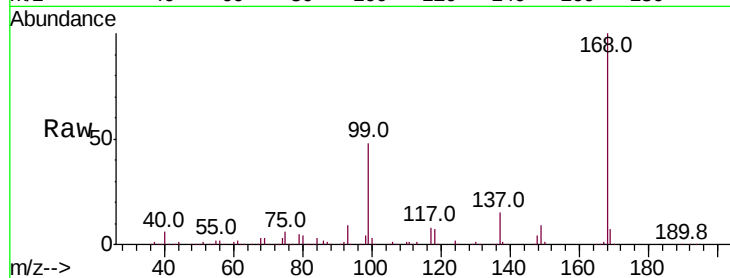
DUP-031519-01

Tot Ion:168 Resp: 1703542

Ion Ratio Lower Upper

168 100

99 47.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

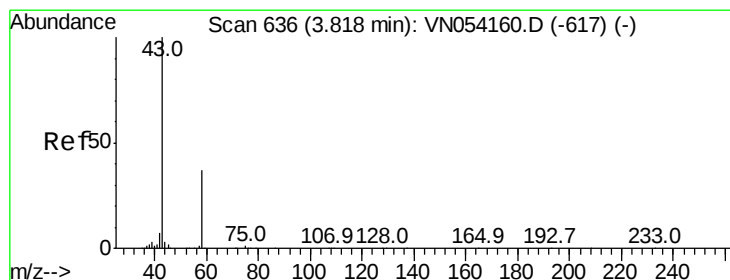
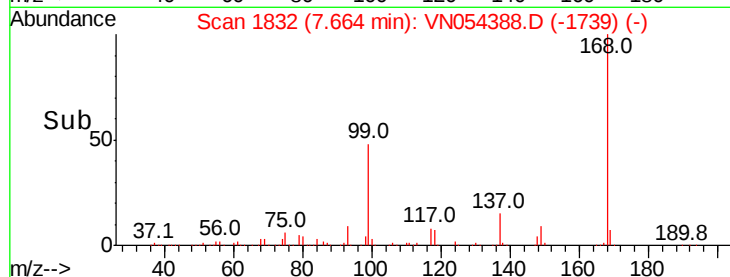
600000

400000

200000

0

Time-->



#16

Acetone

Concen: 152.801 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054388.D

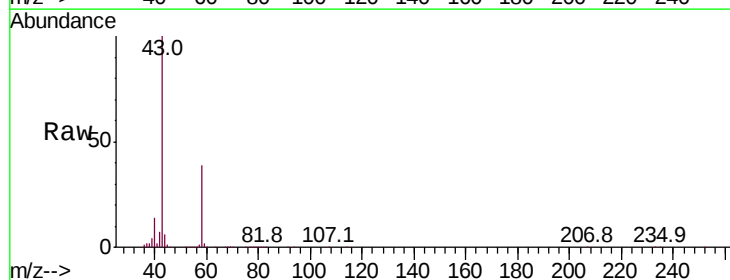
Acq: 18 Mar 2019 12:37

Tgt Ion: 43 Resp: 791519

Ion Ratio Lower Upper

43 100

58 39.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

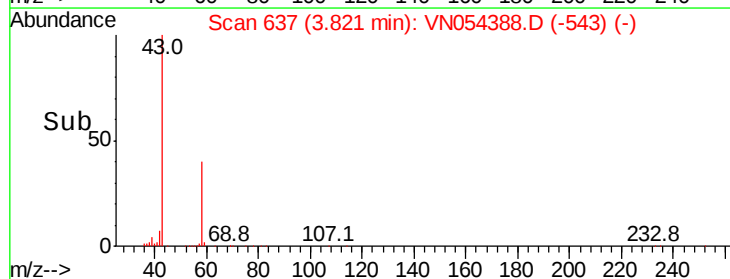
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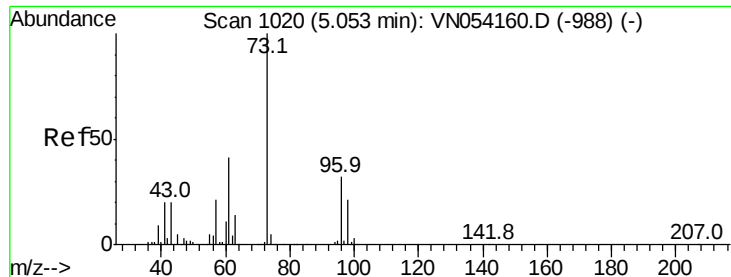
200000

100000

0

Time-->

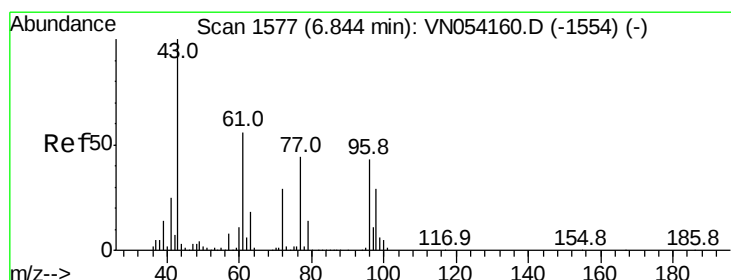
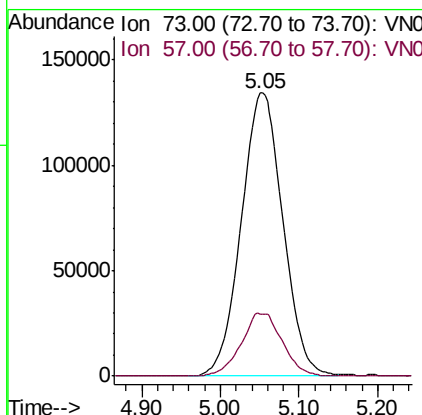
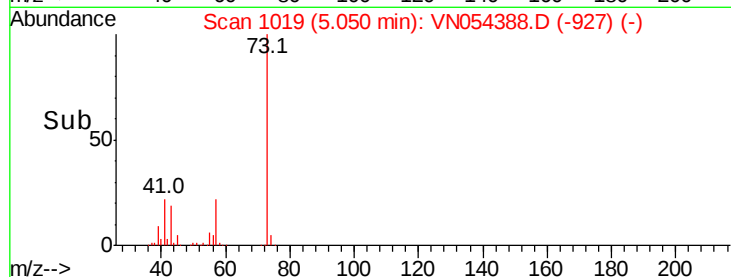
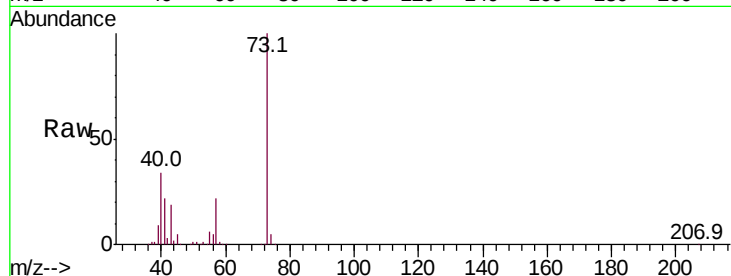




#19
Methvl tert-butvl Ether
Concen: 11.408 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

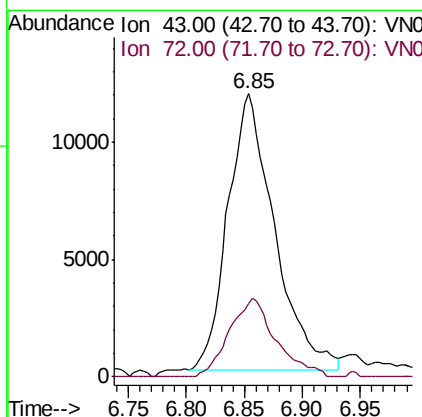
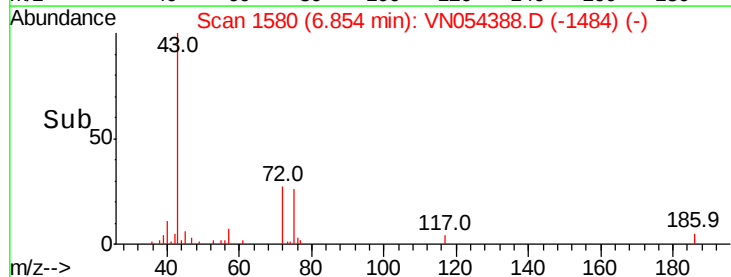
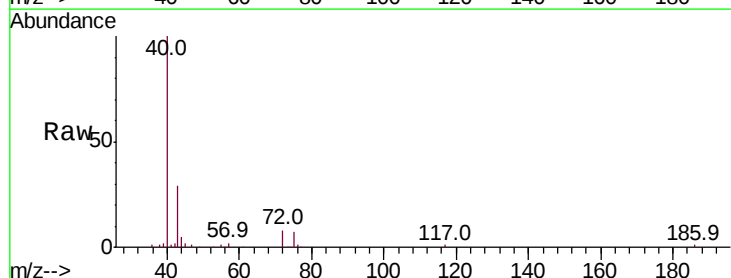
Instrument :
MSVOA_N
ClientSampleId :
DUP-031519-01

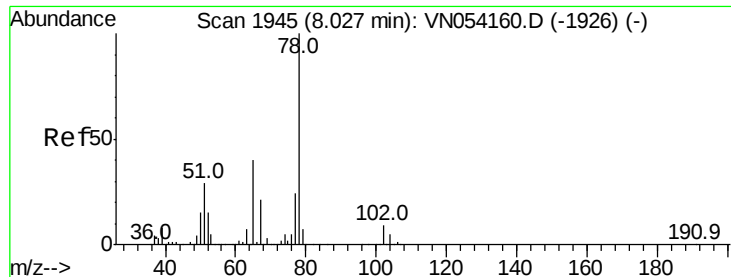
Tot Ion: 73 Resp: 500450
Ion Ratio Lower Upper
73 100
57 22.0 16.8 25.2



#25
2-Butanone
Concen: 5.416 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

Tgt Ion: 43 Resp: 32929
Ion Ratio Lower Upper
43 100
72 26.5 23.0 34.6





#33

1,2-Dichloroethane-d4

Concen: 47.652 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

ClientSampleId :

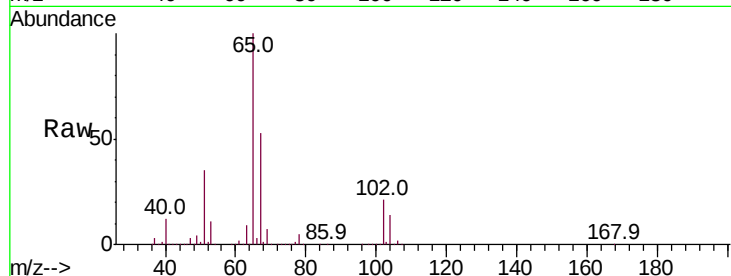
DUP-031519-01

Tot Ion: 65 Resp: 862103

Ion Ratio Lower Upper

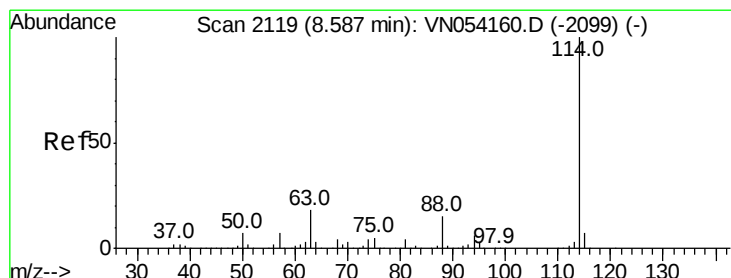
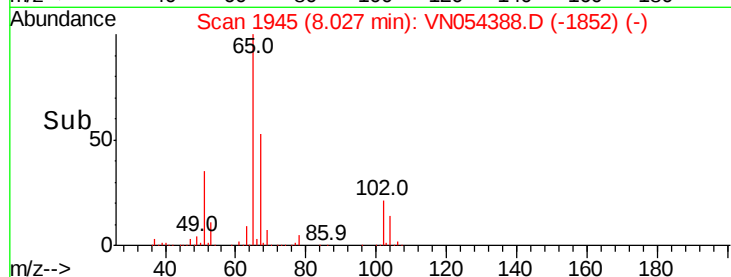
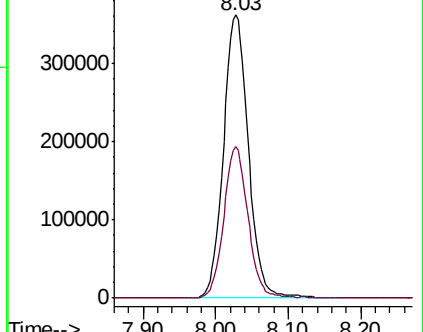
65 100

67 51.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054388.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054388.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

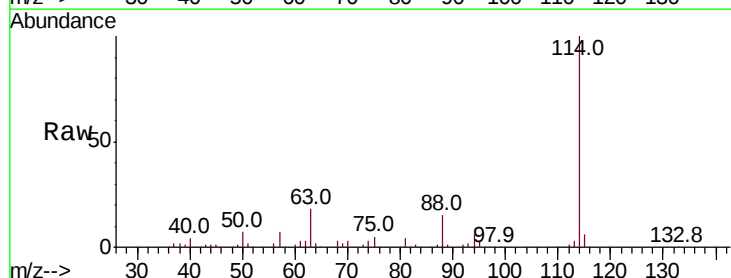
Tgt Ion: 114 Resp: 2525511

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

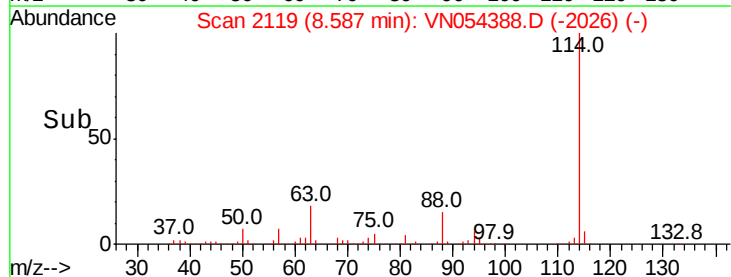
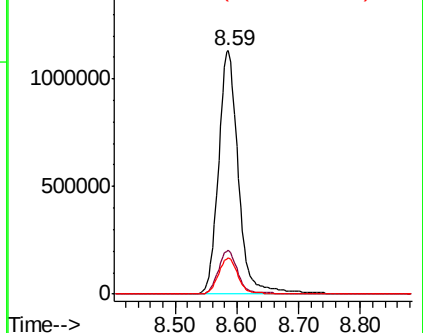
88 14.8 0.0 30.2

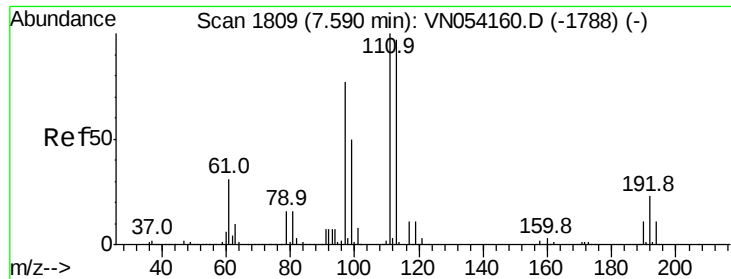


Abundance Ion 113.90 (113.60 to 114.60): VN054388.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054388.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054388.D (-2026) (-)

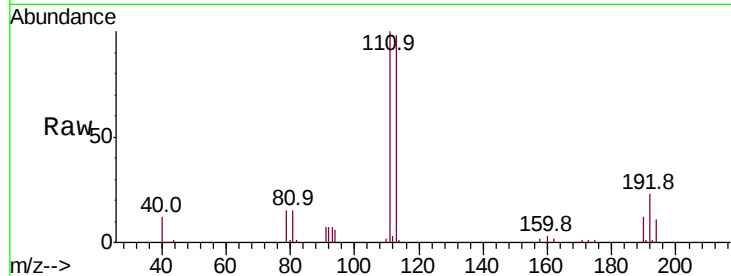




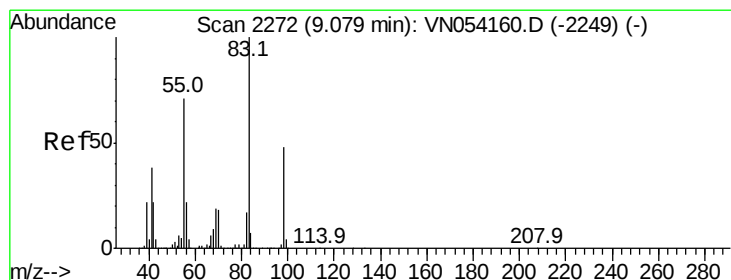
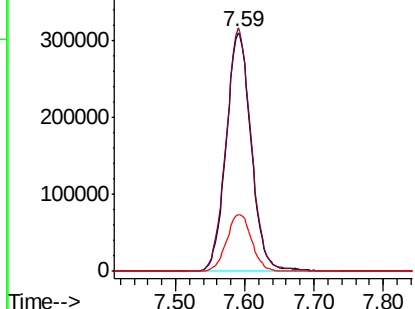
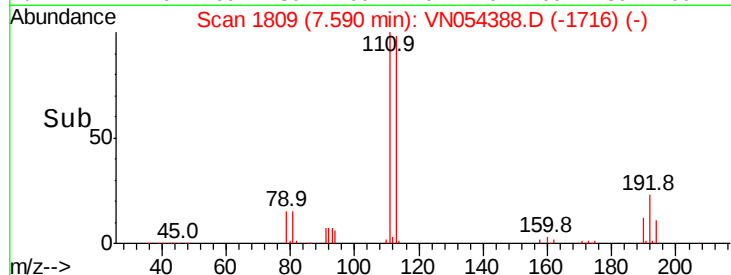
#35
 Dibromofluoromethane
 Concen: 47.790 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054388.D
 Acq: 18 Mar 2019 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-031519-01

Tot Ion:113 Resp: 778429
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 23.9 19.2 28.8

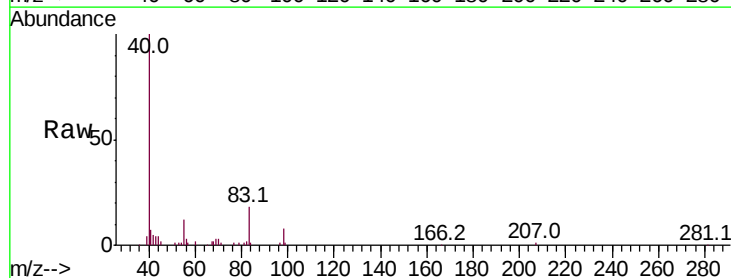


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

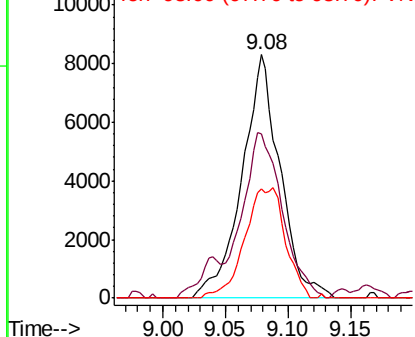
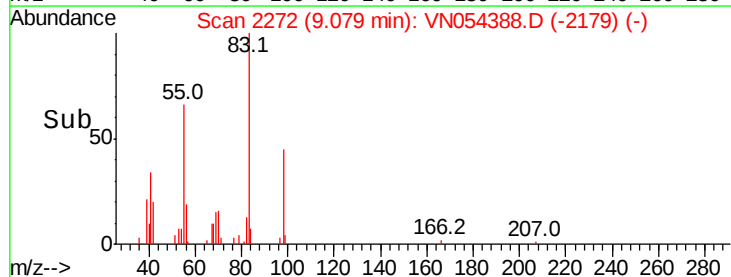


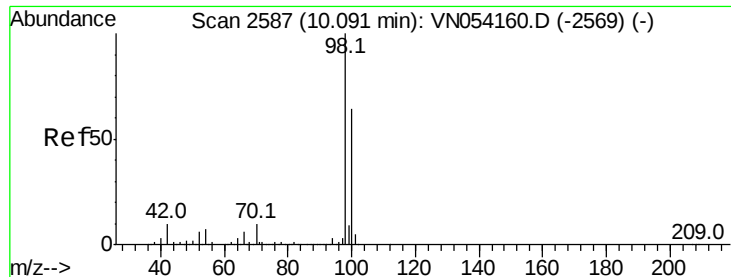
#39
 Methylcyclohexane
 Concen: 0.615 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054388.D
 Acq: 18 Mar 2019 12:37

Tgt Ion: 83 Resp: 17596
 Ion Ratio Lower Upper
 83 100
 55 64.1 56.6 84.8
 98 44.9 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





#50

Toluene-d8

Concen: 48.319 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

ClientSampleId :

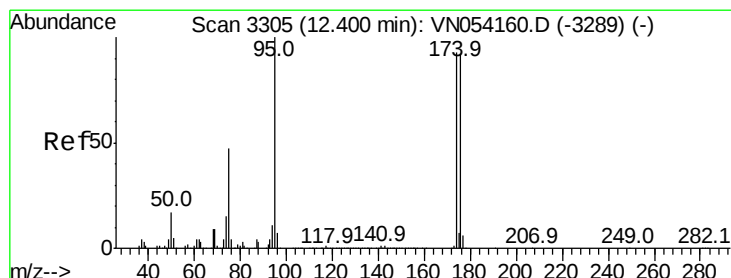
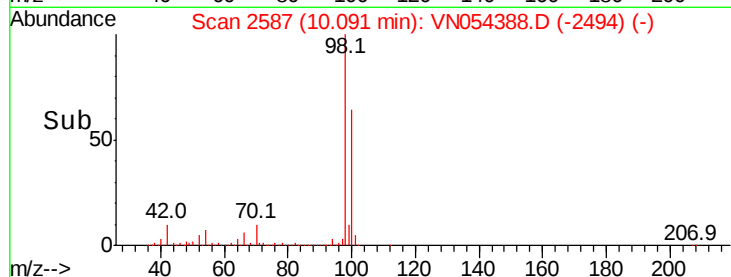
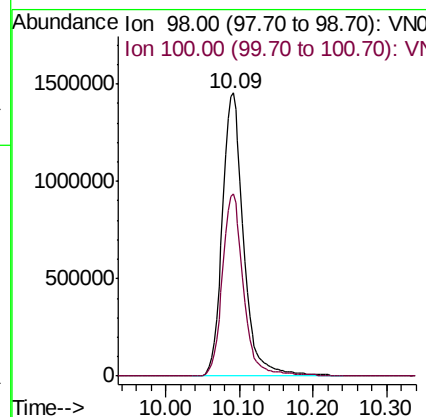
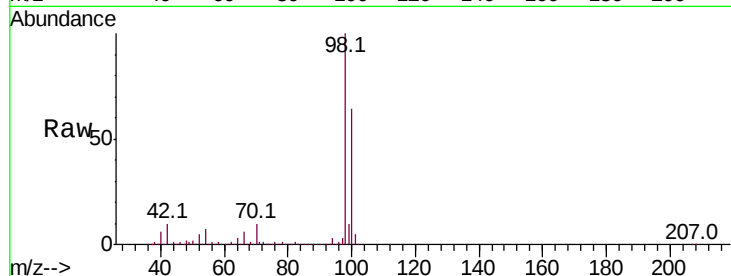
DUP-031519-01

Tot Ion: 98 Resp: 2906667

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 41.535 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

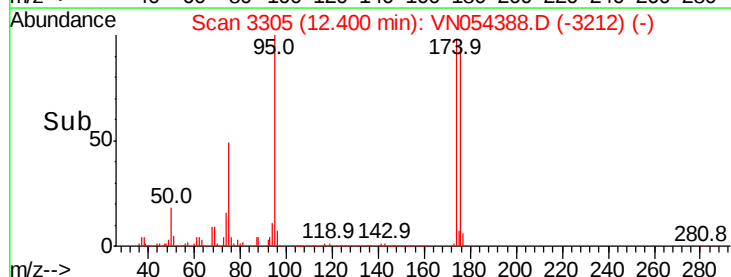
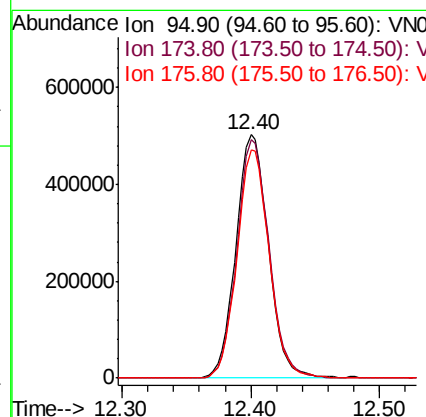
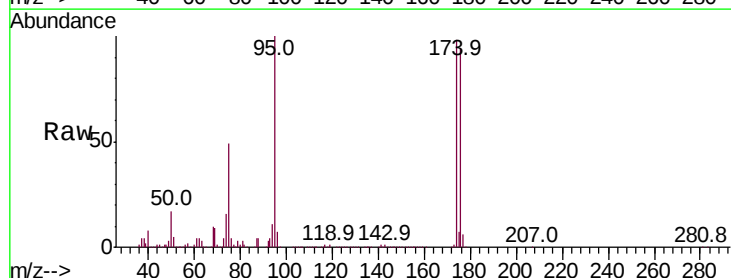
Tgt Ion: 95 Resp: 874248

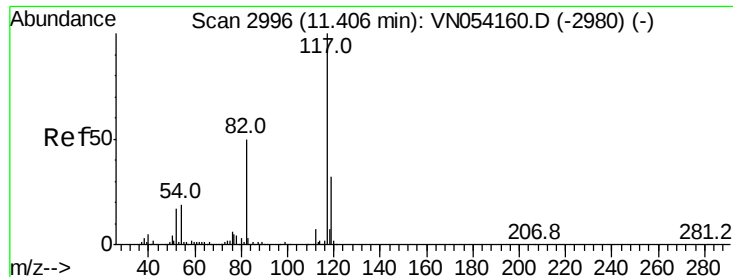
Ion Ratio Lower Upper

95 100

174 97.6 0.0 191.0

176 93.5 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

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DUP-031519-01

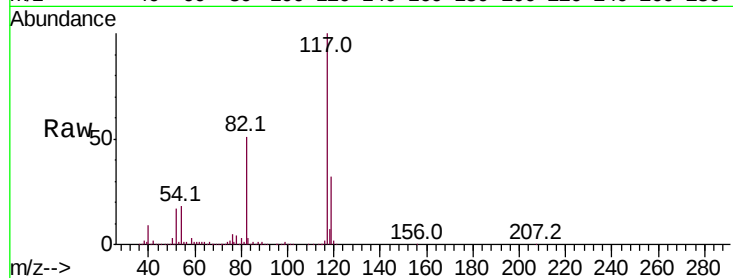
Tot Ion:117 Resp: 2119643

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

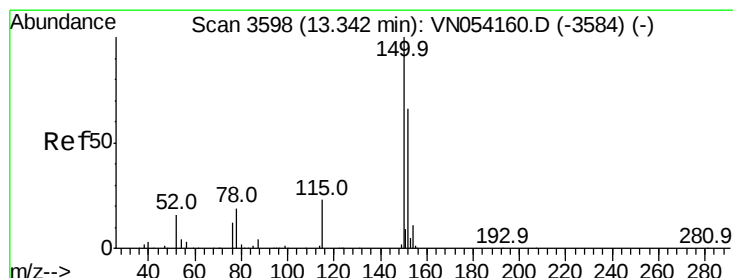
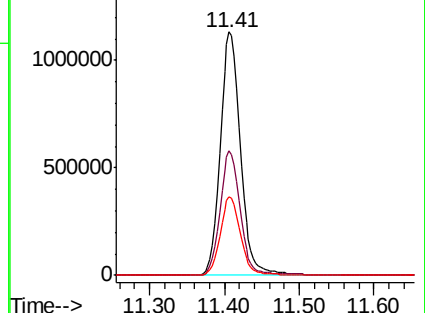
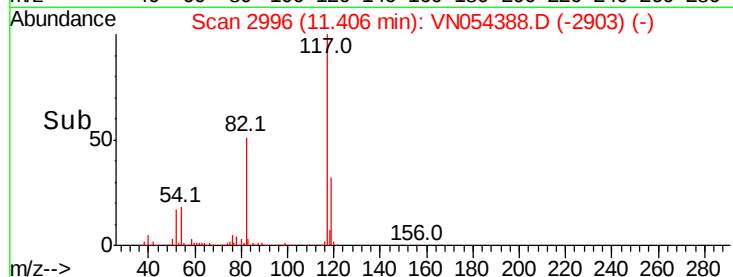
119 32.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

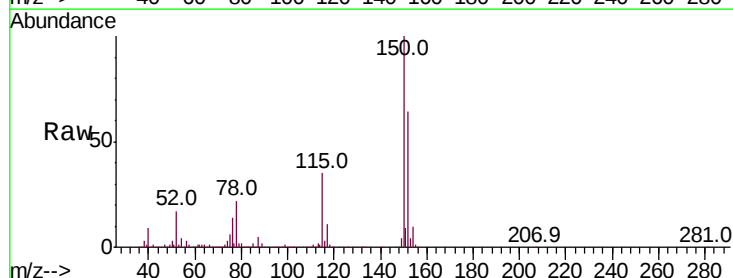
Tgt Ion:152 Resp: 811923

Ion Ratio Lower Upper

152 100

115 54.6 27.2 81.6

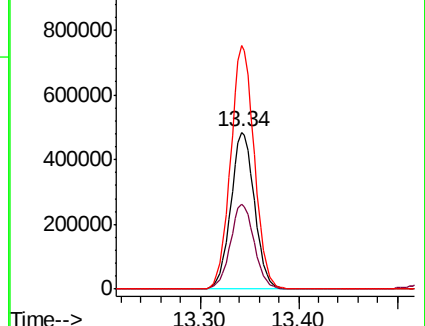
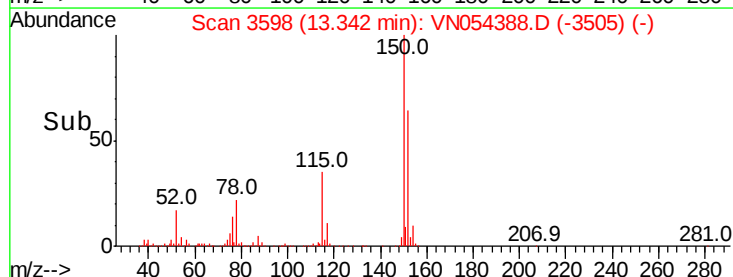
150 155.0 0.0 349.2

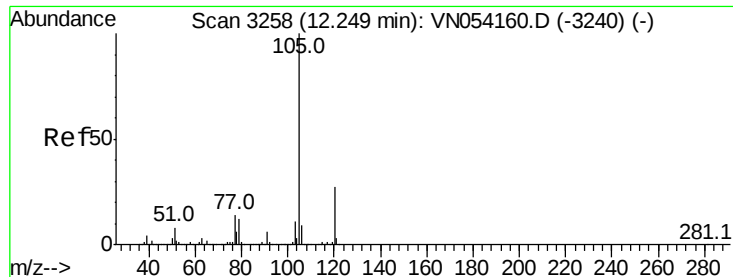


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.459 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

ClientSampleId :

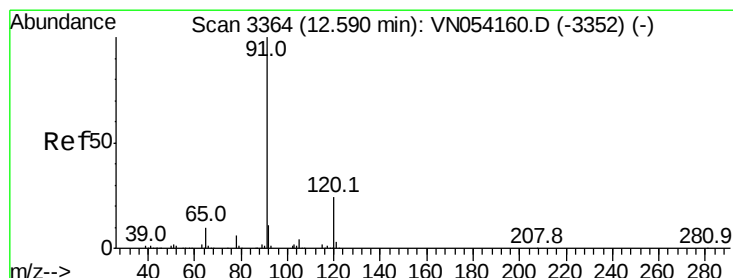
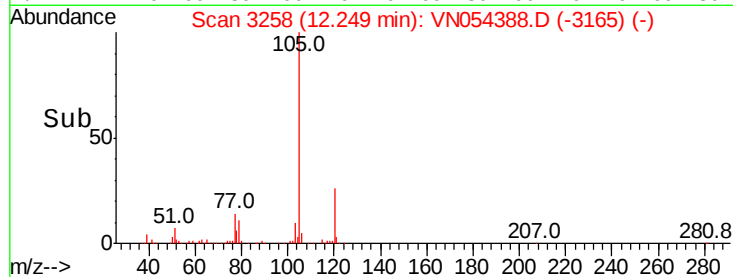
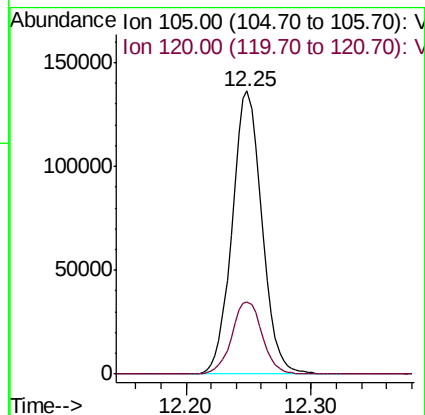
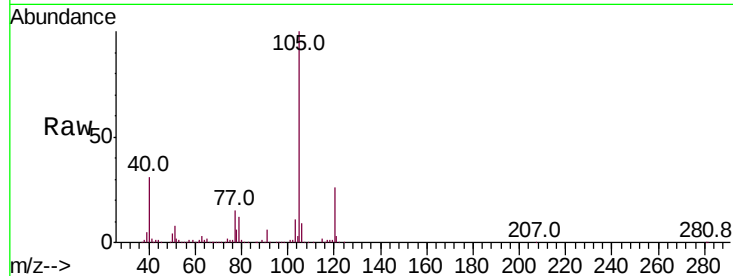
DUP-031519-01

Tot Ion: 105 Resp: 224711

Ion Ratio Lower Upper

105 100

120 26.1 13.8 41.3



#78

n-propylbenzene

Concen: 3.943 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054388.D

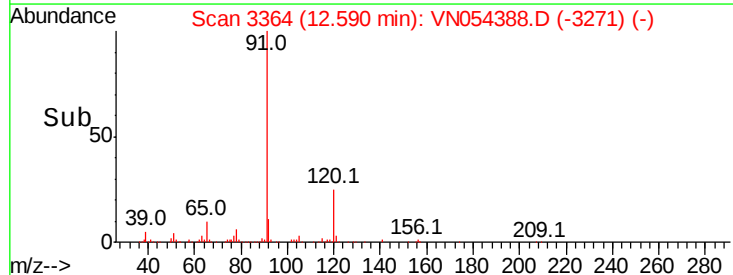
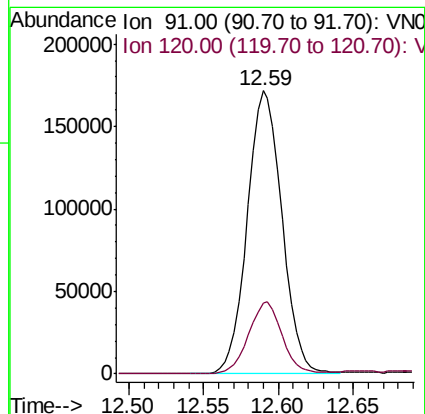
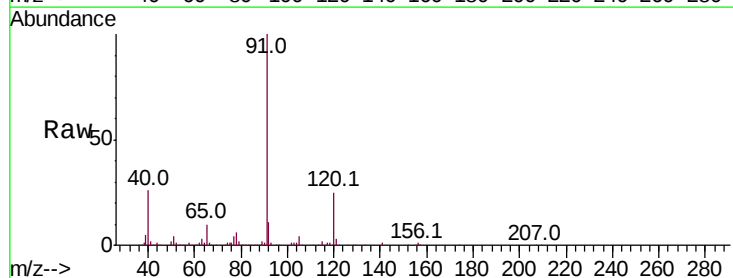
Acq: 18 Mar 2019 12:37

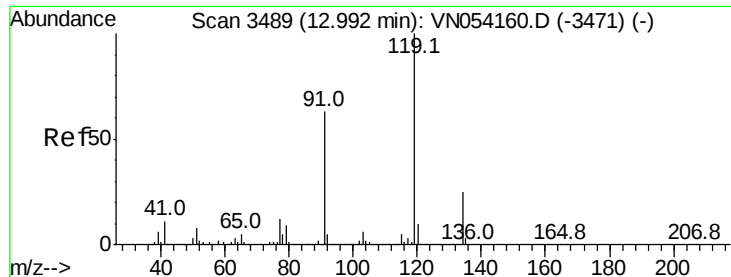
Tgt Ion: 91 Resp: 277903

Ion Ratio Lower Upper

91 100

120 24.4 12.3 36.9

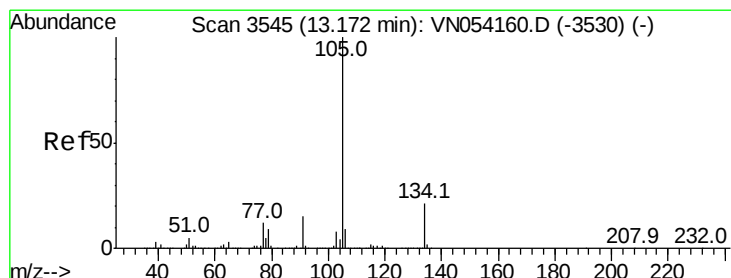
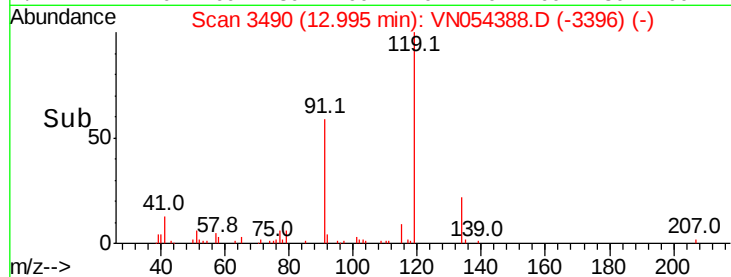
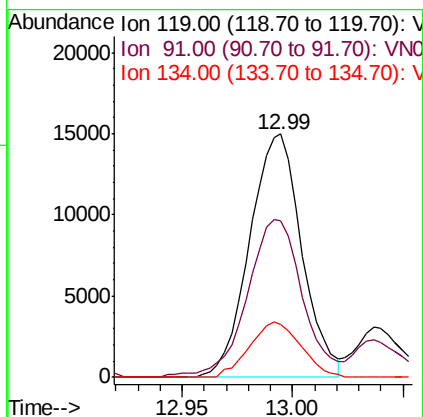
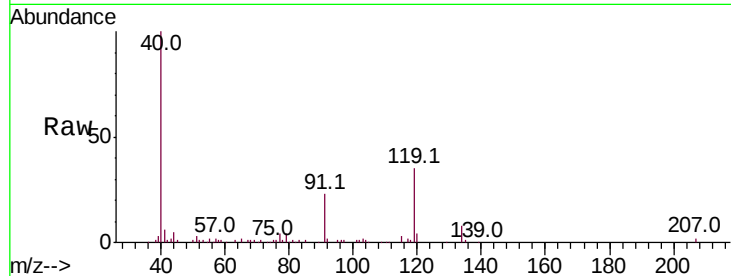




#83
tert-Butylbenzene
Concen: 0.492 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

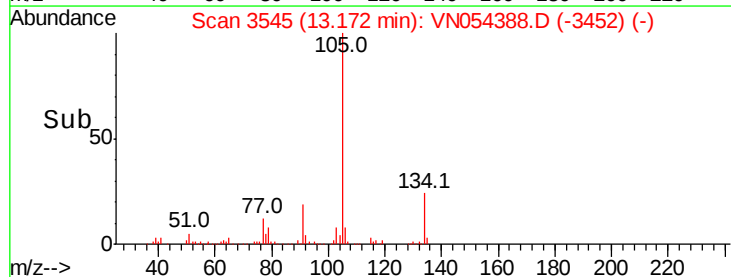
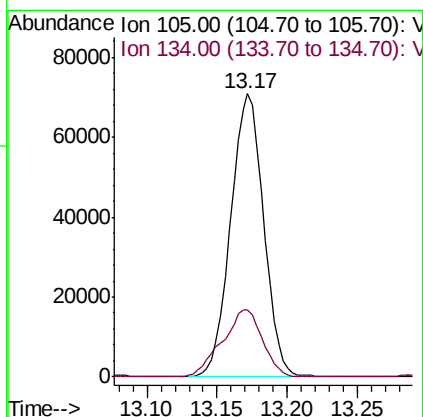
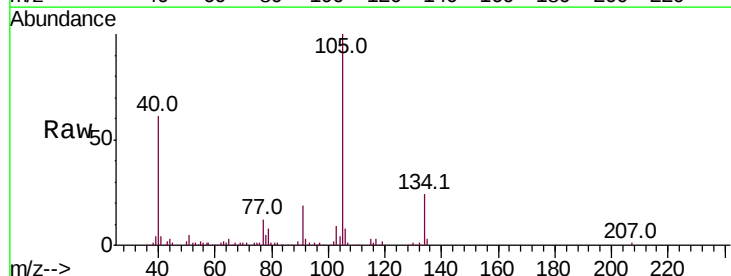
Instrument :
MSVOA_N
ClientSampleId :
DUP-031519-01

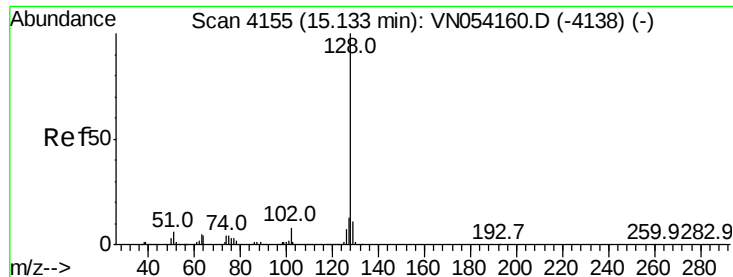
Tot Ion:119 Resp: 24462
Ion Ratio Lower Upper
119 100
91 68.8 30.9 92.8
134 22.3 13.2 39.6



#85
sec-Butylbenzene
Concen: 1.801 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN054388.D
Acq: 18 Mar 2019 12:37

Tgt Ion:105 Resp: 116161
Ion Ratio Lower Upper
105 100
134 28.8 10.7 32.1





#95

Naphthalene

Concen: 7.301 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054388.D

Acq: 18 Mar 2019 12:37

Instrument :

MSVOA_N

ClientSampleId :

DUP-031519-01

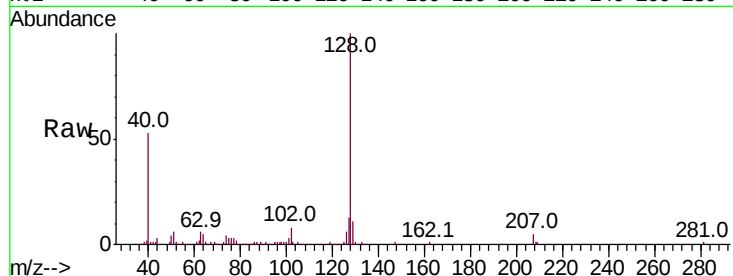
Tot Ion:128 Resp: 146629

Ion Ratio Lower Upper

128 100

127 11.9 10.1 15.1

129 9.3 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

