

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
 Data File : VN059616.D
 Acq On : 16 Dec 2019 20:19
 Operator : JC/SP
 Sample : K6145-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TH-3

Quant Time: Dec 17 06:43:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	244796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	390659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	361467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149577	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	174225	48.91	ug/l	0.00
Spiked Amount						
			Recovery	=	97.82%	
35) Dibromofluoromethane	7.57	113	125012	51.14	ug/l	0.00
Spiked Amount						
			Recovery	=	102.28%	
50) Toluene-d8	10.08	98	496355	51.29	ug/l	0.00
Spiked Amount						
			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.40	95	169677	48.05	ug/l	0.00
Spiked Amount						
			Recovery	=	96.10%	

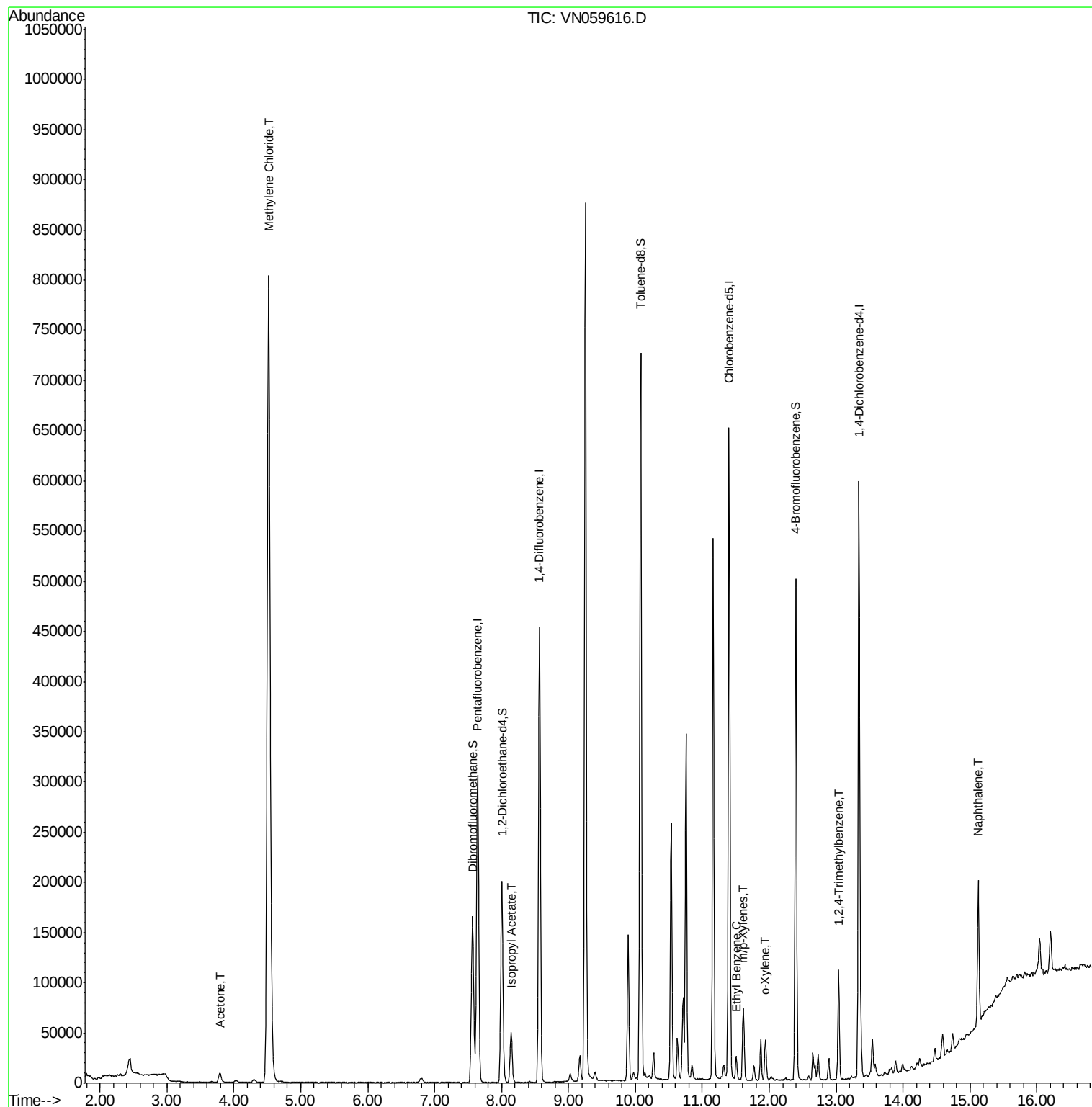
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	16359	7.735	ug/l	99
20) Methylene Chloride	4.52	84	598430	195.925	ug/l	99
43) Isopropyl Acetate	8.14	43	60557	8.226	ug/l #	91
67) Ethyl Benzene	11.51	91	15992	1.133	ug/l	97
68) m/p-Xylenes	11.61	106	21992	4.219	ug/l	99
69) o-Xylene	11.94	106	10221	2.061	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	60171	6.090	ug/l	99
95) Naphthalene	15.12	128	112514	11.146	ug/l	99

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

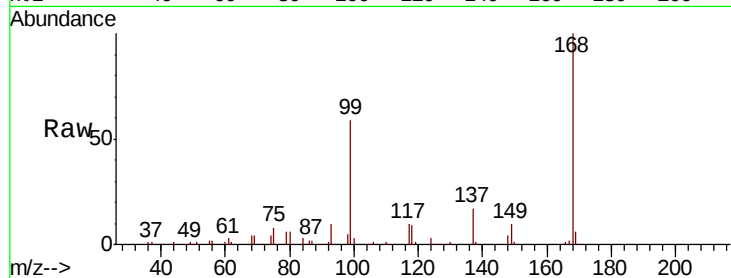
TH-3

Tot Ion:168 Resp: 244796

Ion Ratio Lower Upper

168 100

99 59.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

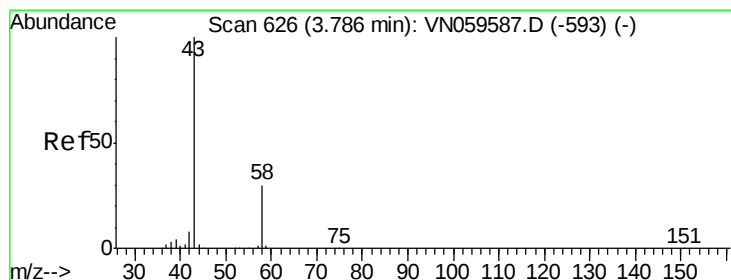
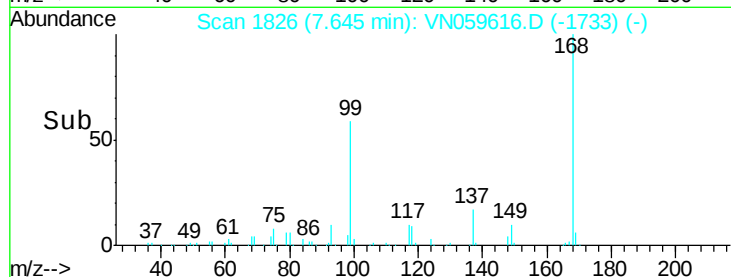
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 7.735 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059616.D

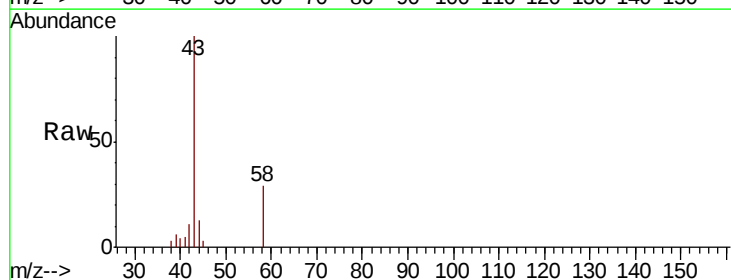
Acq: 16 Dec 2019 20:19

Tgt Ion: 43 Resp: 16359

Ion Ratio Lower Upper

43 100

58 29.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.79

6000

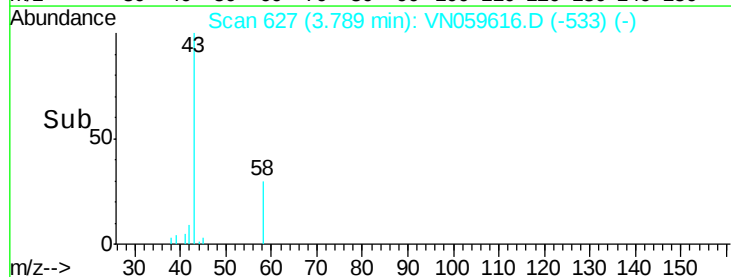
4000

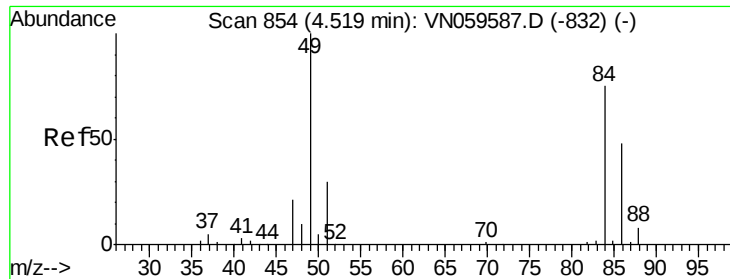
2000

0

3.70 3.75 3.80 3.85 3.90

Time-->

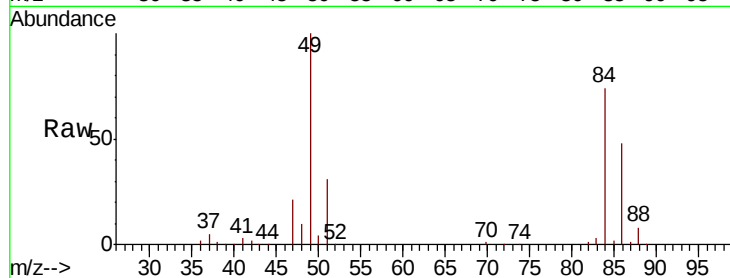




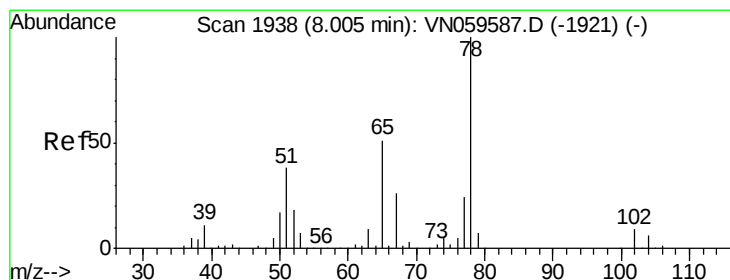
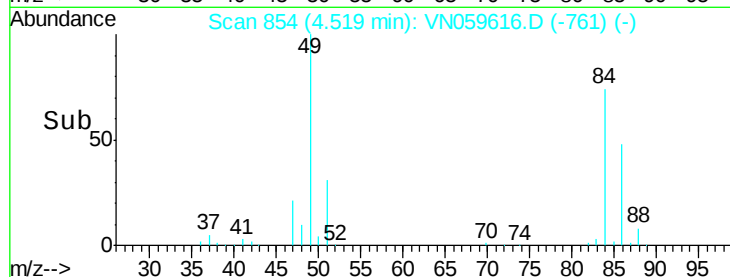
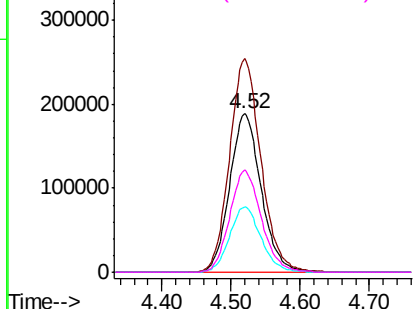
#20
Methvlene Chloride
Concen: 195.925 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
TH-3

Tot Ion: 84 Resp: 598430
Ion Ratio Lower Upper
84 100
49 134.7 106.6 160.0
51 41.3 31.9 47.9
86 64.3 50.8 76.2

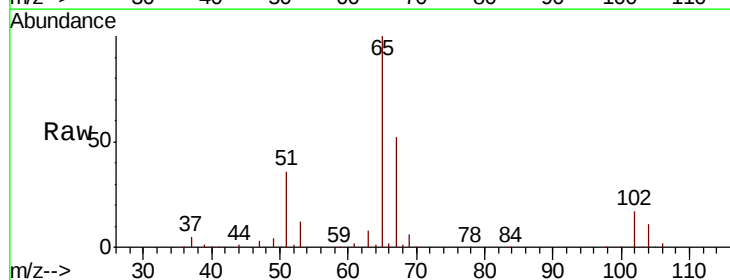


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

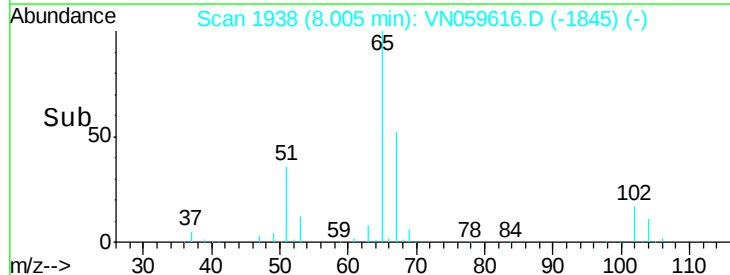
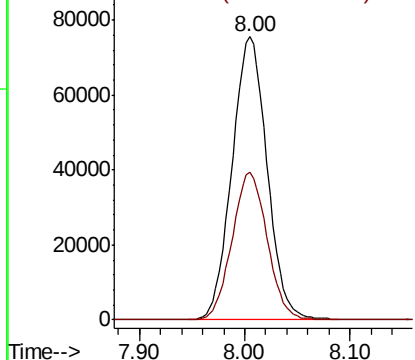


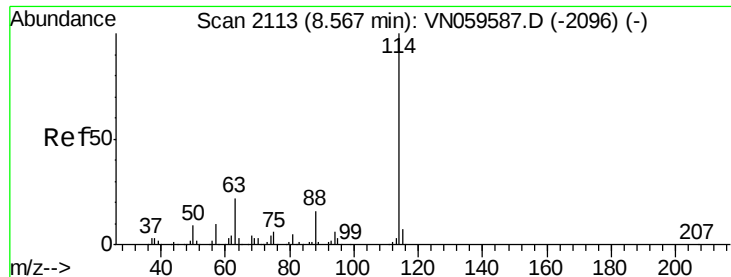
#33
1,2-Dichloroethane-d4
Concen: 48.910 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Tgt Ion: 65 Resp: 174225
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

TH-3

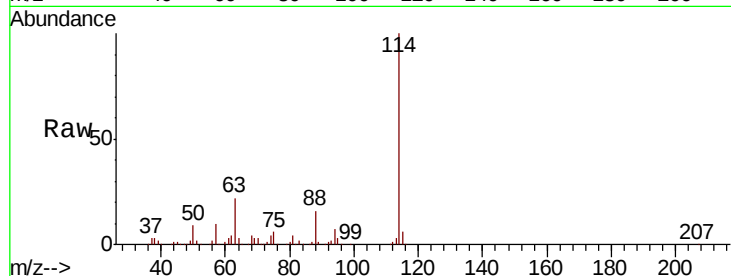
Tot Ion:114 Resp: 390659

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.6

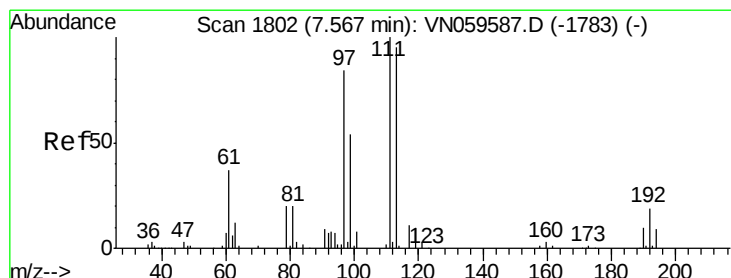
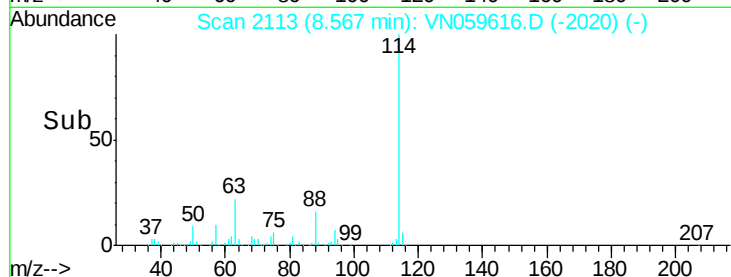
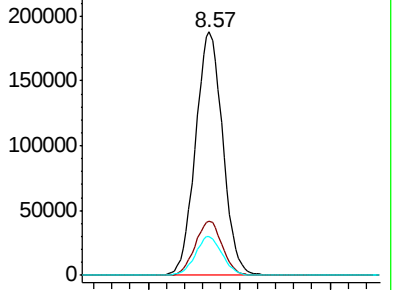
88 15.7 0.0 31.4



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: 51.144 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

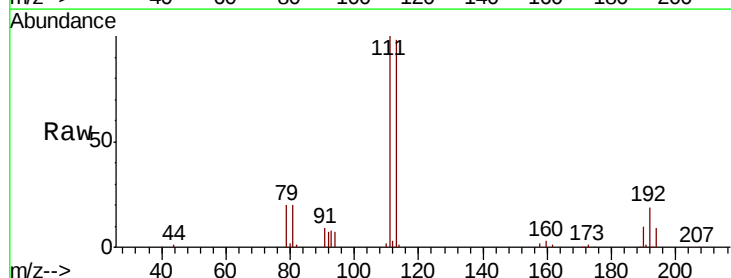
Tgt Ion:113 Resp: 125012

Ion Ratio Lower Upper

113 100

111 103.4 83.5 125.3

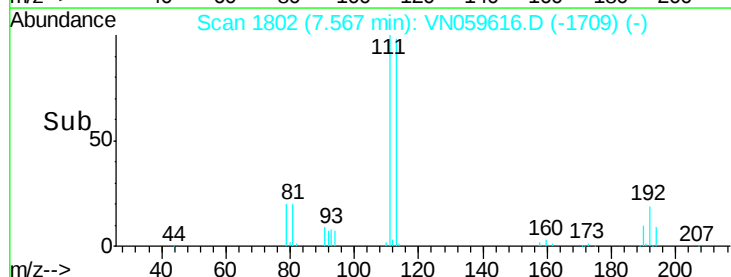
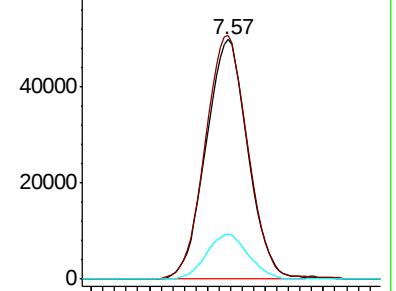
192 18.9 15.4 23.2

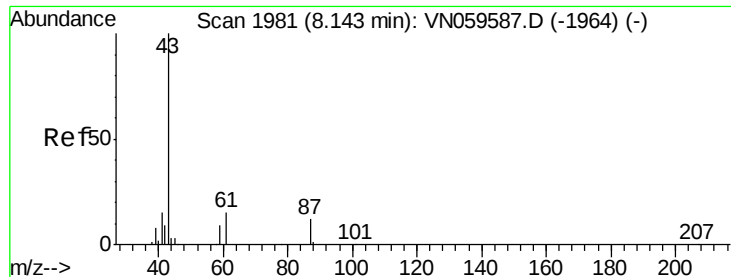


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 8.226 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

TH-3

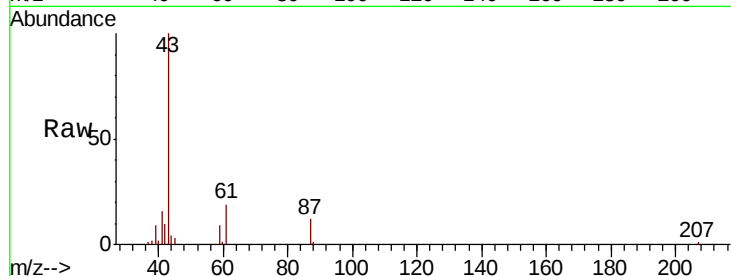
Tot Ion: 43 Resp: 60557

Ion Ratio Lower Upper

43 100

61 18.8 20.2 30.2#

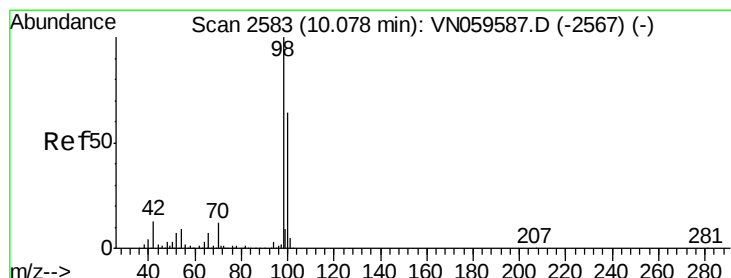
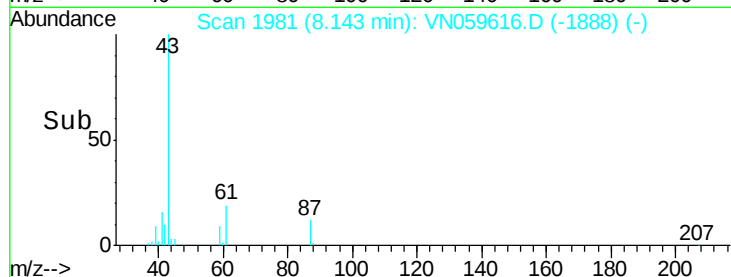
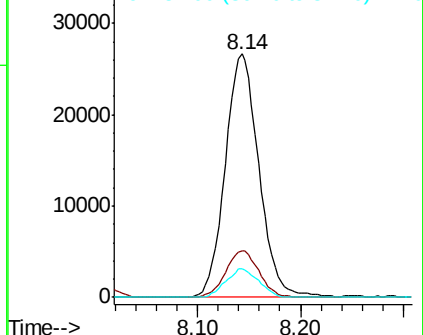
87 11.3 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN059587.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN059587.D (-1964) (-)



#50

Toluene-d8

Concen: 51.290 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059616.D

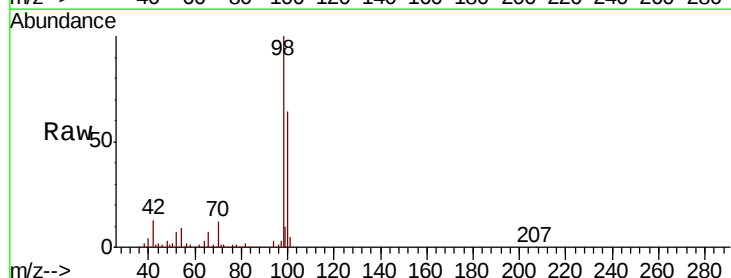
Acq: 16 Dec 2019 20:19

Tgt Ion: 98 Resp: 496355

Ion Ratio Lower Upper

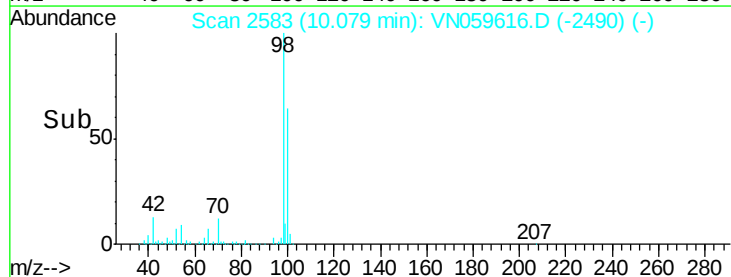
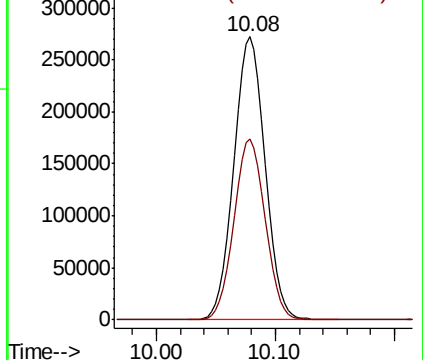
98 100

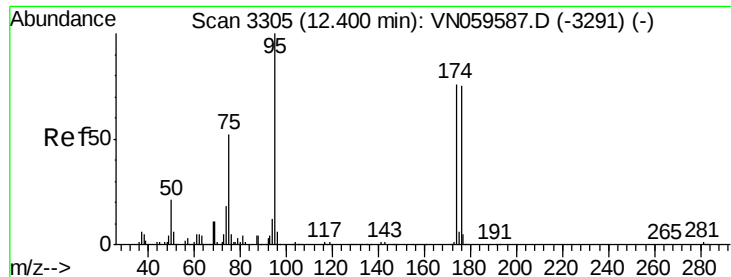
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059587.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN059587.D (-2567) (-)





#62

4-Bromofluorobenzene

Concen: 48.051 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampled :

TH-3

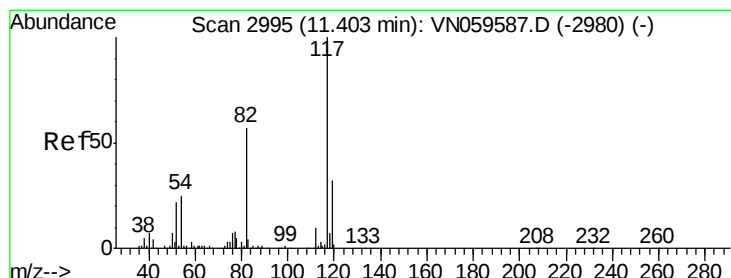
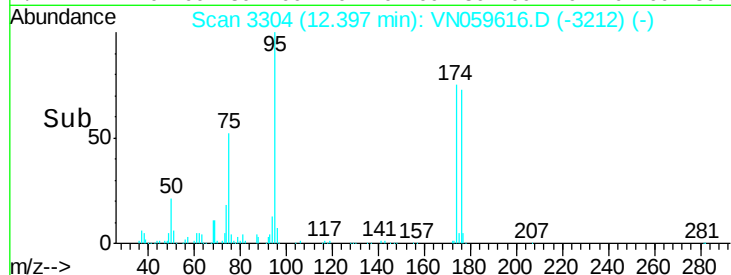
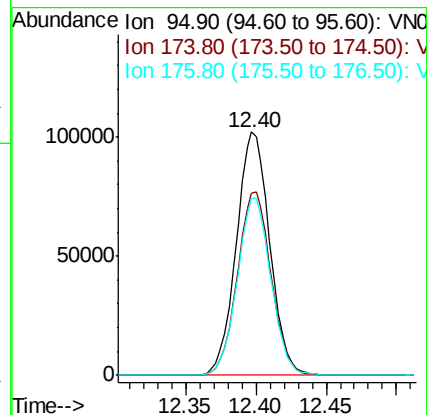
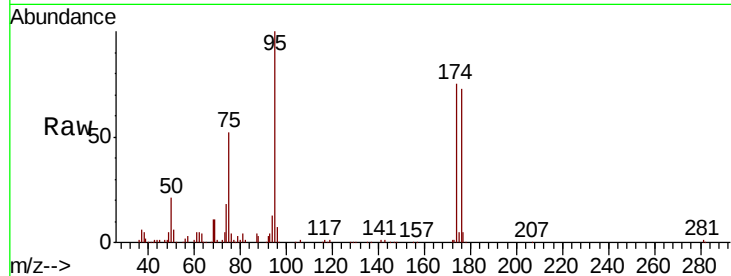
Tot Ion: 95 Resp: 169677

Ion Ratio Lower Upper

95 100

174 76.2 0.0 151.4

176 73.3 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

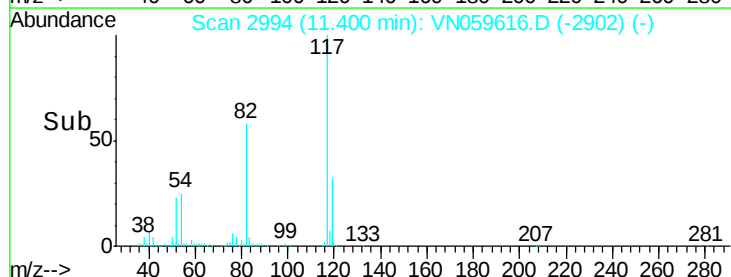
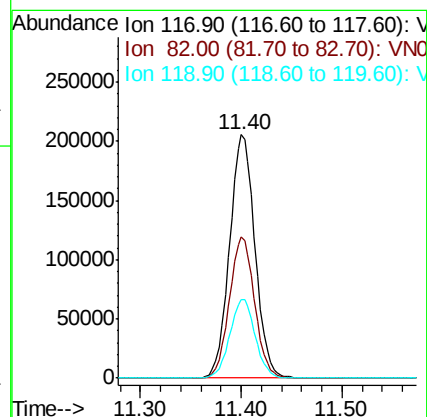
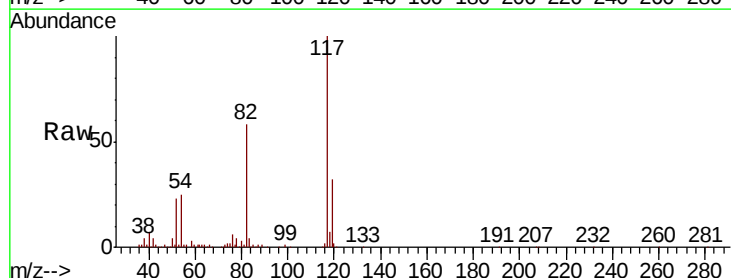
Tgt Ion: 117 Resp: 361467

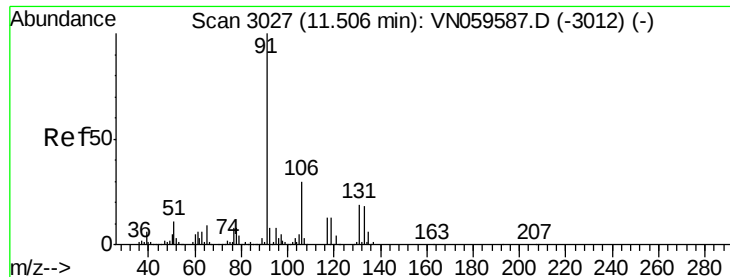
Ion Ratio Lower Upper

117 100

82 57.8 45.9 68.9

119 32.5 25.5 38.3

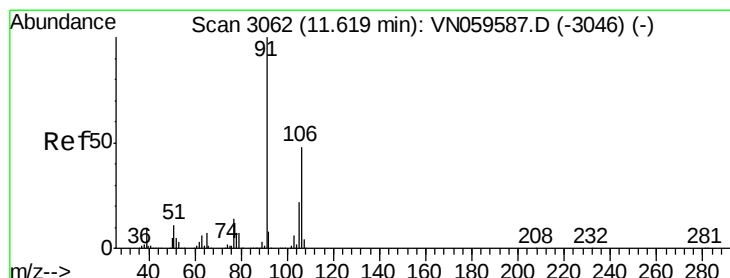
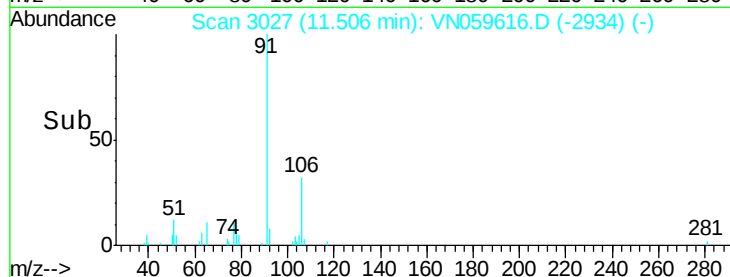
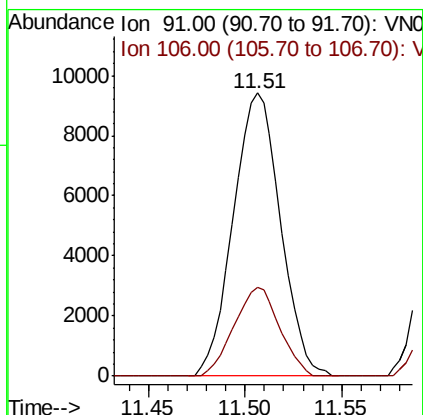
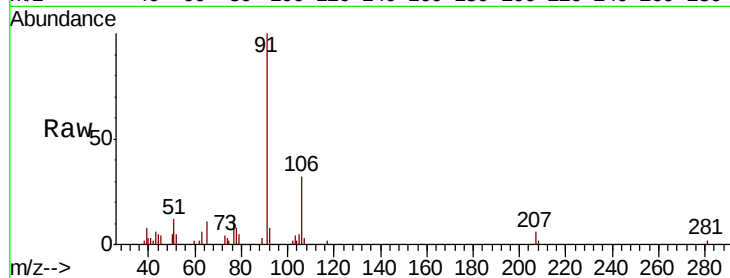




#67
Ethyl Benzene
Concen: 1.133 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

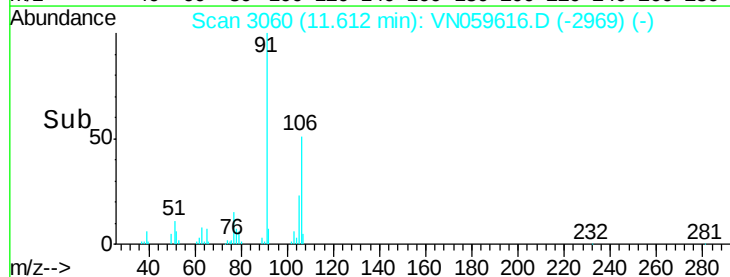
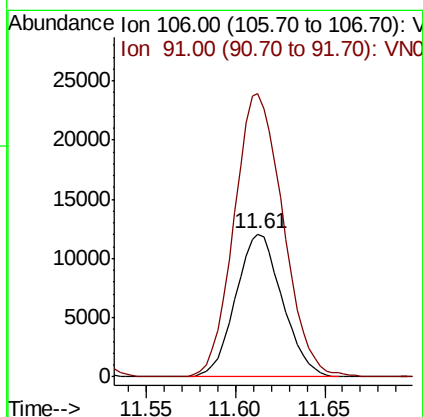
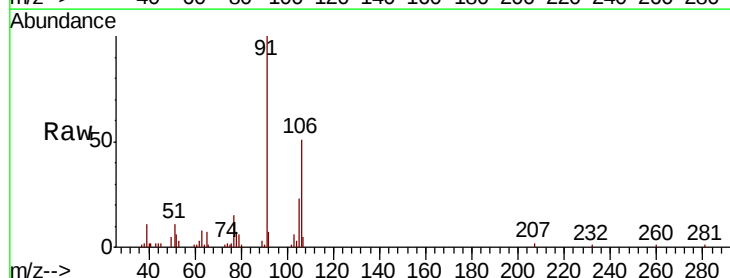
Instrument :
MSVOA_N
ClientSampled :
TH-3

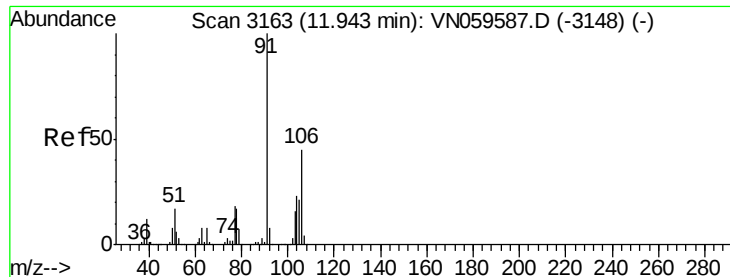
Tot Ion: 91 Resp: 15992
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1



#68
m/p-Xylenes
Concen: 4.219 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.01 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Tgt Ion: 106 Resp: 21992
Ion Ratio Lower Upper
106 100
91 209.0 167.9 251.9

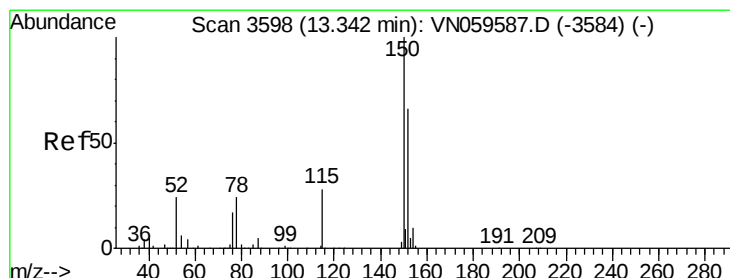
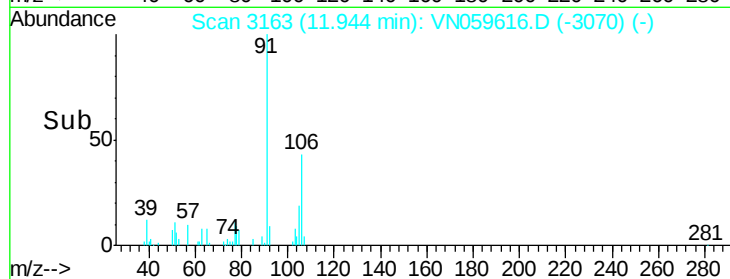
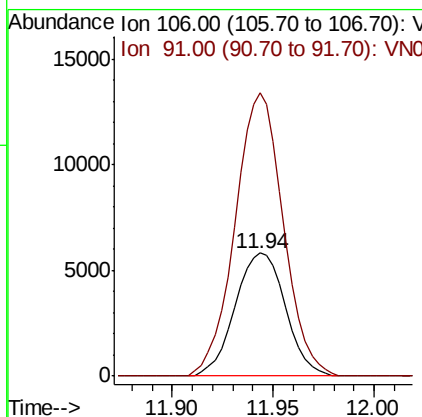
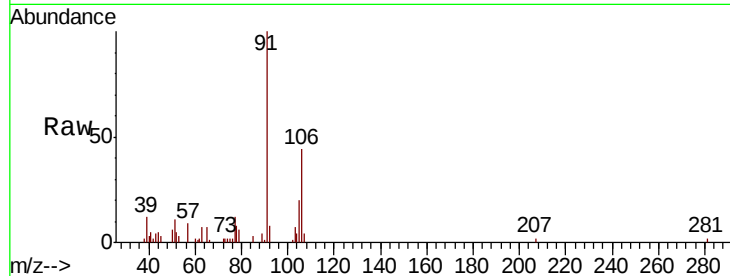




#69
o-Xylene
Concen: 2.061 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

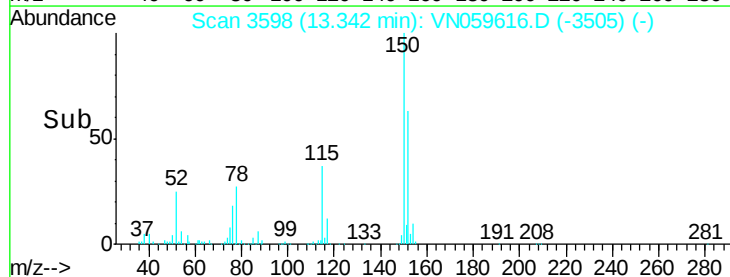
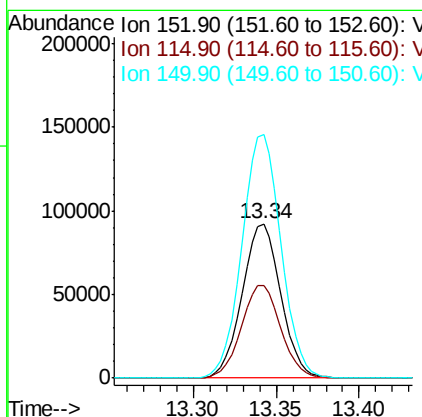
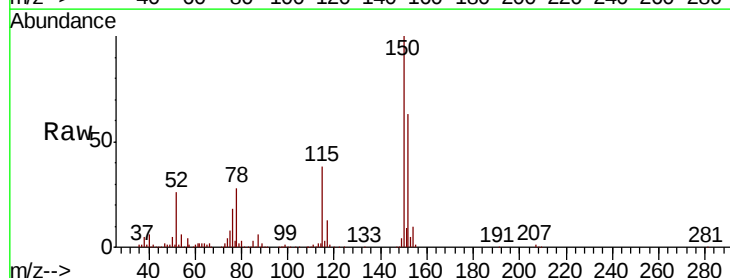
Instrument :
MSVOA_N
ClientSampled :
TH-3

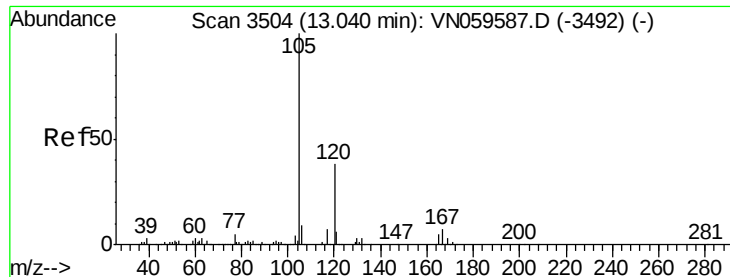
Tot Ion:106 Resp: 10221
Ion Ratio Lower Upper
106 100
91 219.2 110.3 330.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Tgt Ion:152 Resp: 149577
Ion Ratio Lower Upper
152 100
115 61.7 30.3 90.9
150 159.7 0.0 345.2





#84

1,2,4-Trimethylbenzene

Concen: 6.090 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampled :

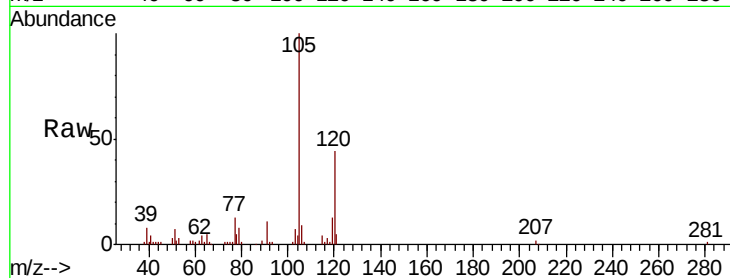
TH-3

Tot Ion:105 Resp: 60171

Ion Ratio Lower Upper

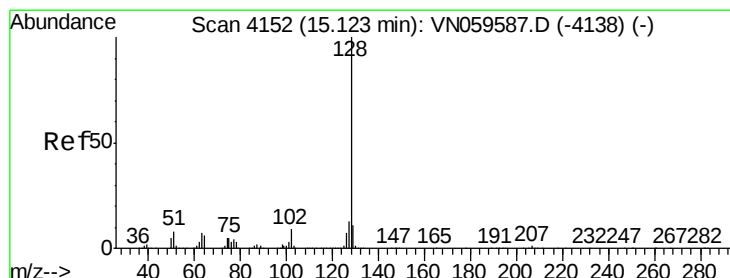
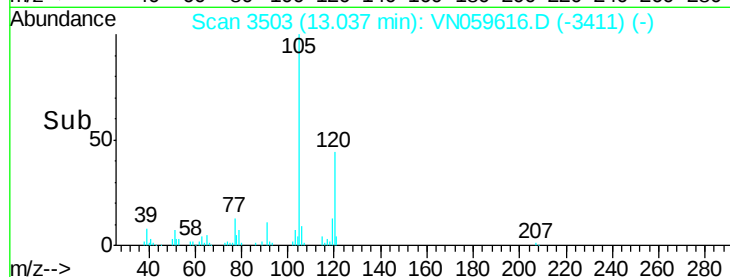
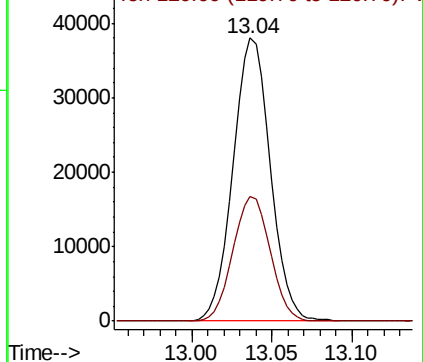
105 100

120 44.0 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 11.146 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

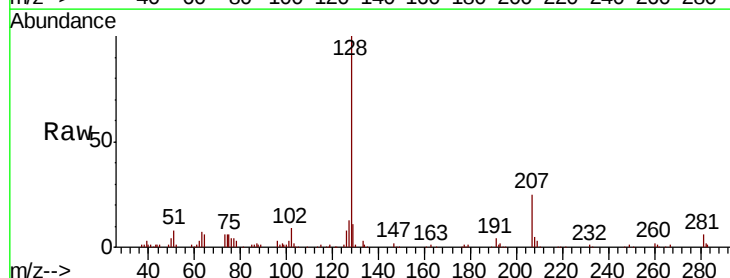
Tgt Ion:128 Resp: 112514

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

129 10.8 8.6 12.8



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

