

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100319\
 Data File : VN058522.D
 Acq On : 3 Oct 2019 19:46
 Operator : JC/SP
 Sample : K5180-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40092

Quant Time: Oct 04 05:06:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	382781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	774861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	576145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	211499	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	256482	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
35) Dibromofluoromethane	7.57	113	186109	39.19	ug/l	0.00
Spiked Amount			Recovery	=	78.38%	
50) Toluene-d8	10.08	98	840357	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	
62) 4-Bromofluorobenzene	12.41	95	254477	37.83	ug/l	0.00
Spiked Amount			Recovery	=	75.66%	

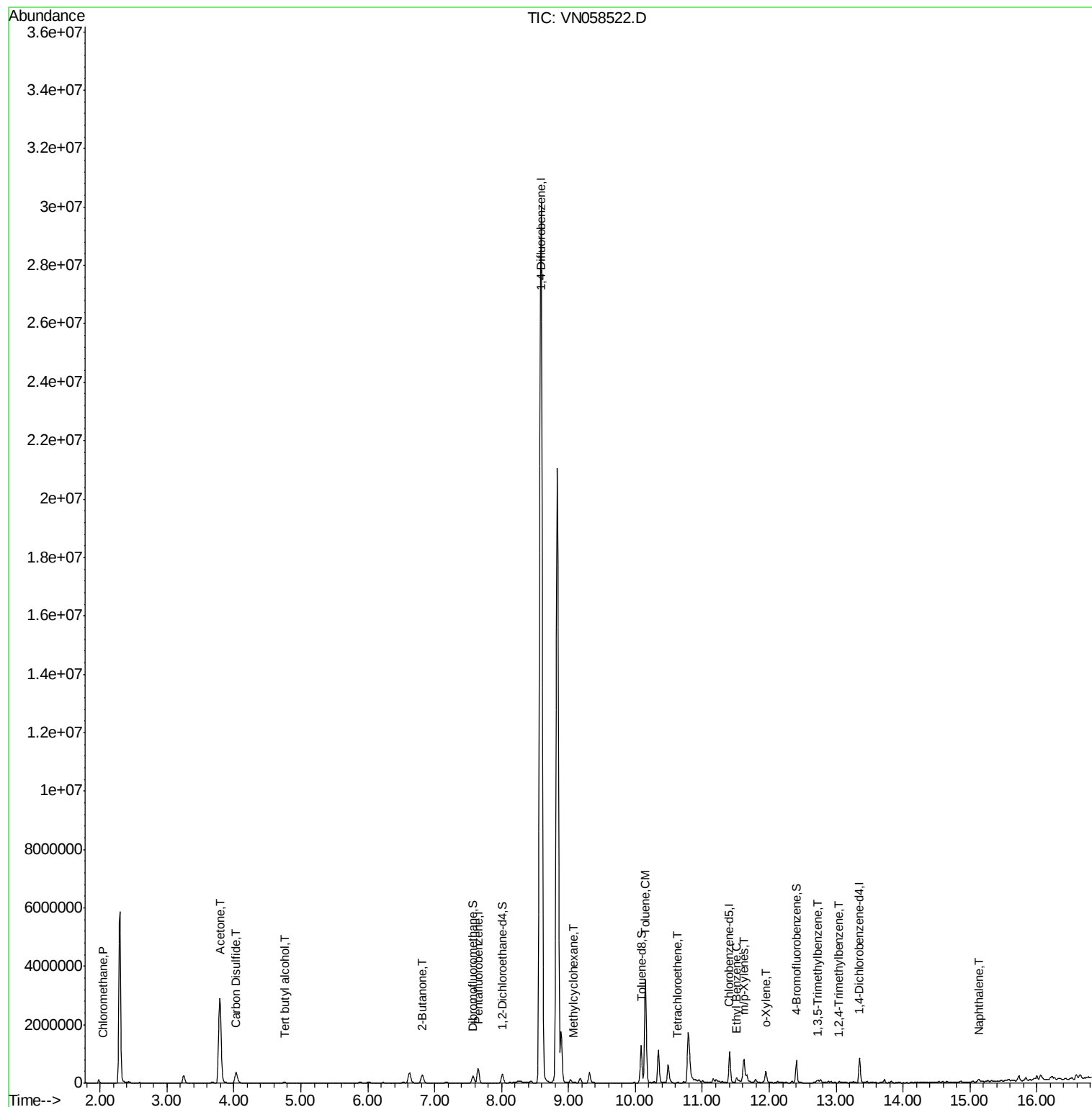
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	4791	1.038	ug/l	97
11) Tert butyl alcohol	4.75	59	48069	77.354	ug/l #	89
16) Acetone	3.79	43	4924332	2582.447	ug/l #	89
17) Carbon Disulfide	4.03	76	10311	1.083	ug/l	99
25) 2-Butanone	6.81	43	485768	185.546	ug/l	99
39) Methylcyclohexane	9.08	83	3655	0.422	ug/l #	88
52) Toluene	10.15	92	1552017	115.777	ug/l	97
64) Tetrachloroethene	10.63	164	3490	0.953	ug/l #	84
67) Ethyl Benzene	11.51	91	104481	5.037	ug/l	99
68) m/p-Xylenes	11.62	106	216297	27.714	ug/l	95
69) o-Xylene	11.95	106	95654	12.732	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	5459	0.417	ug/l	94
84) 1,2,4-Trimethylbenzene	13.05	105	22887	1.746	ug/l	91
95) Naphthalene	15.13	128	62187	5.992	ug/l	99

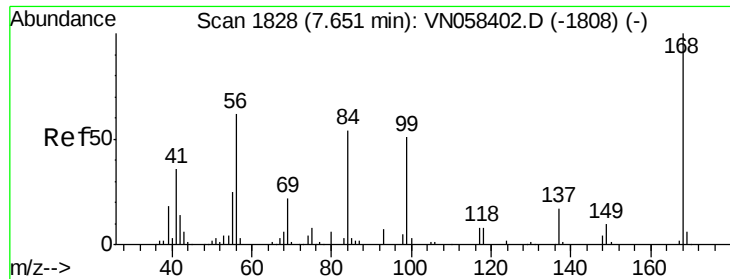
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058522.D

Acq: 3 Oct 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

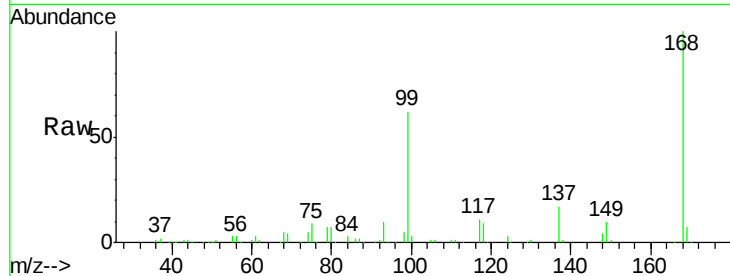
40092

Tot Ion:168 Resp: 382781

Ion Ratio Lower Upper

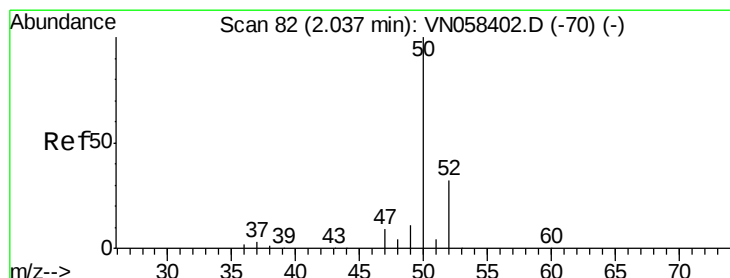
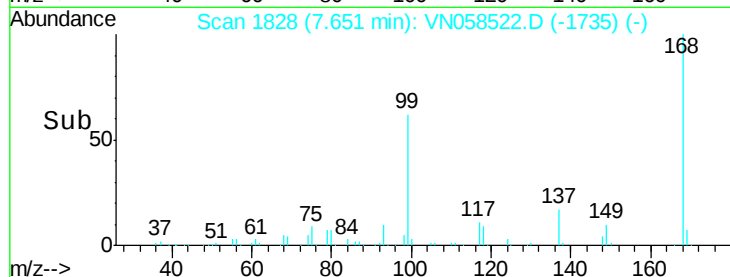
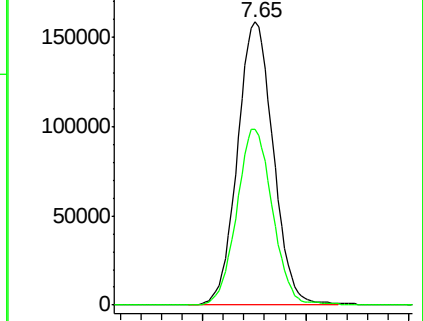
168 100

99 62.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 1.038 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058522.D

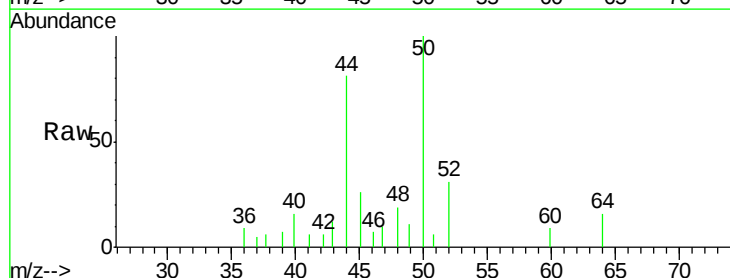
Acq: 3 Oct 2019 19:46

Tgt Ion: 50 Resp: 4791

Ion Ratio Lower Upper

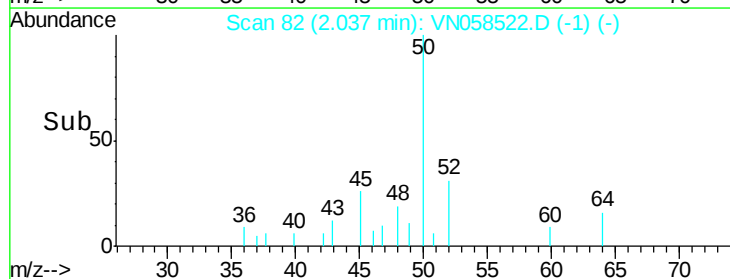
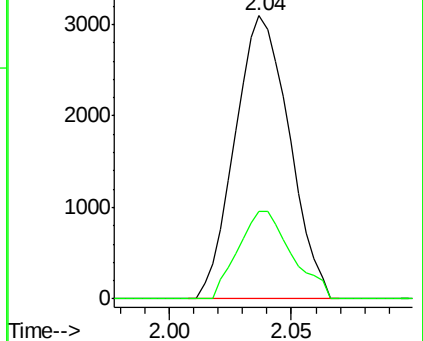
50 100

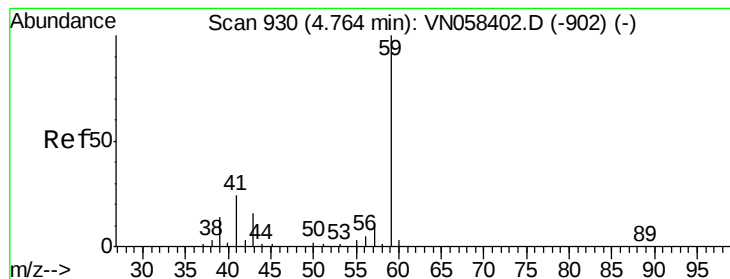
52 30.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



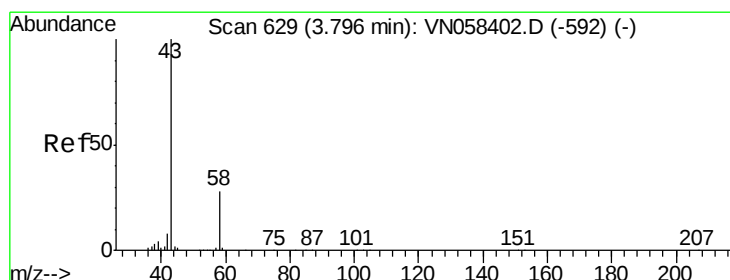
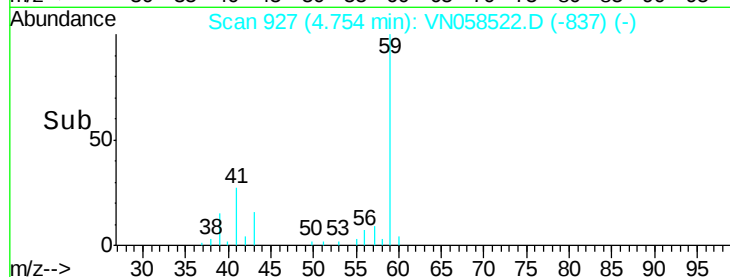
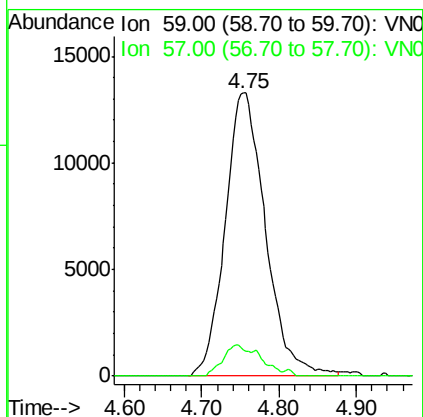
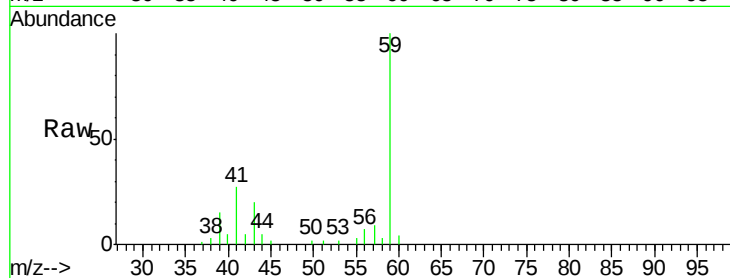


#11

Tert butyl alcohol
 Concen: 77.354 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058522.D
 Acq: 3 Oct 2019 19:46

Instrument :
 MSVOA_N
 ClientSampled :
 40092

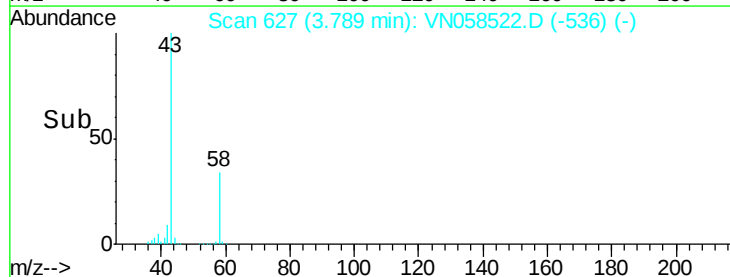
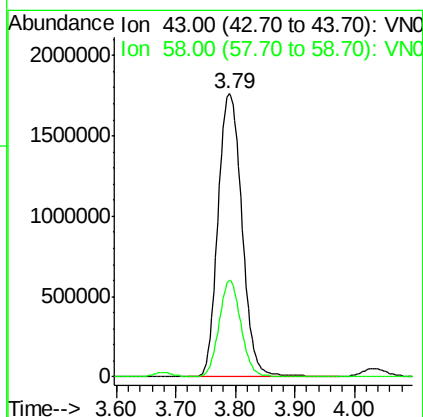
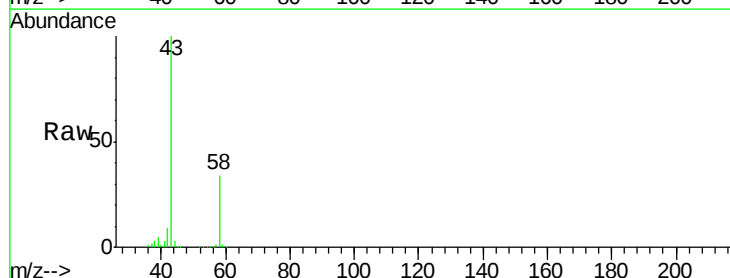
Tot Ion: 59 Resp: 48069
 Ion Ratio Lower Upper
 59 100
 57 6.9 9.0 13.4#

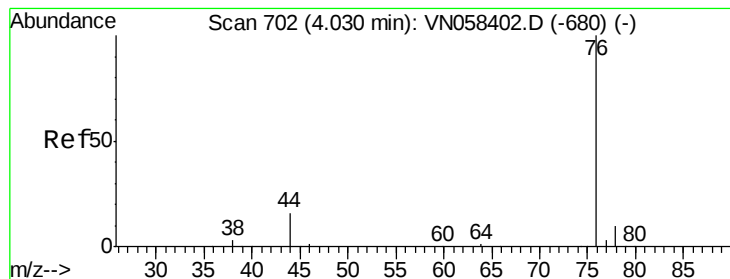


#16

Acetone
 Concen: 2582.447 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: VN058522.D
 Acq: 3 Oct 2019 19:46

Tgt Ion: 43 Resp: 4924332
 Ion Ratio Lower Upper
 43 100
 58 34.0 22.4 33.6#





#17

Carbon Disulfide

Concen: 1.083 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058522.D

Acq: 3 Oct 2019 19:46

Instrument :

MSVOA_N

ClientSampled :

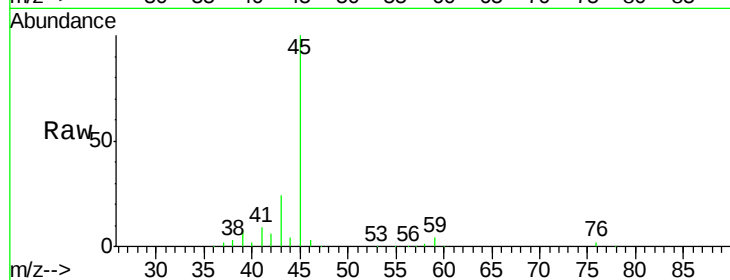
40092

Tot Ion: 76 Resp: 10311

Ion Ratio Lower Upper

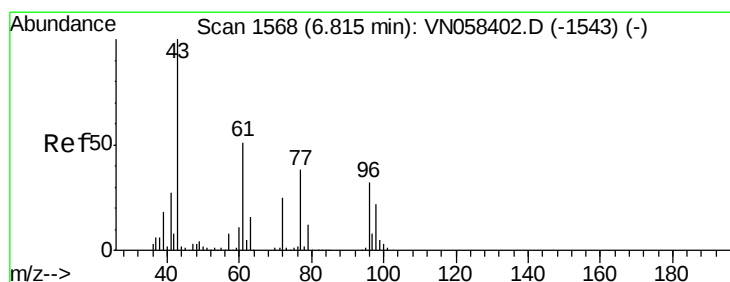
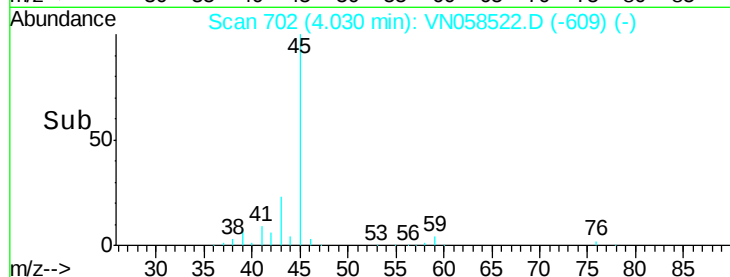
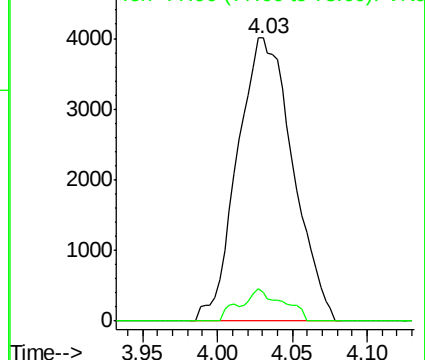
76 100

78 10.1 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#25

2-Butanone

Concen: 185.546 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058522.D

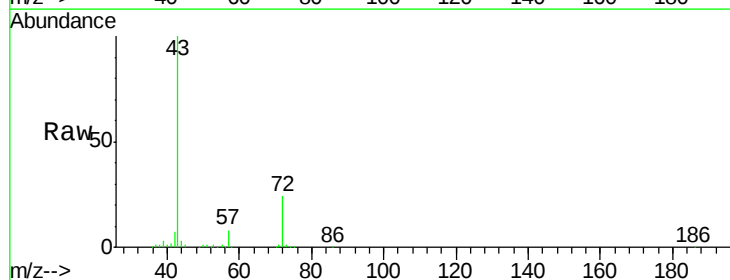
Acq: 3 Oct 2019 19:46

Tgt Ion: 43 Resp: 485768

Ion Ratio Lower Upper

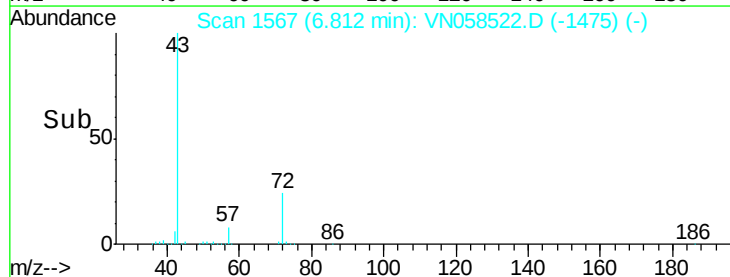
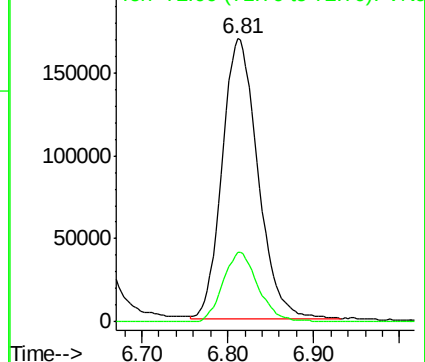
43 100

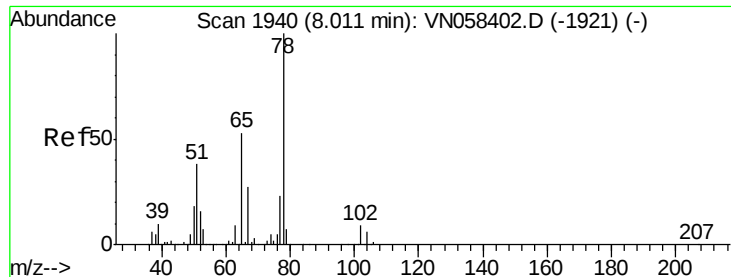
72 24.7 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO





#33

1,2-Dichloroethane-d4

Concen: 45.852 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058522.D

Acq: 3 Oct 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

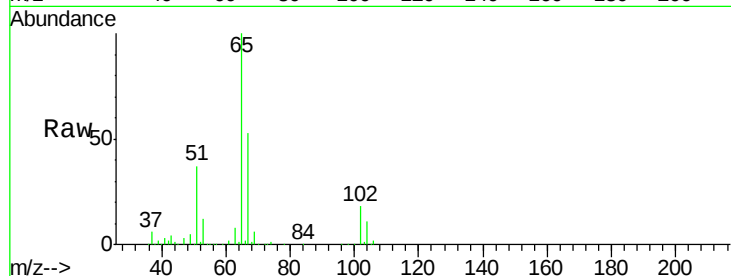
40092

Tot Ion: 65 Resp: 256482

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)

8.01

120000

100000

80000

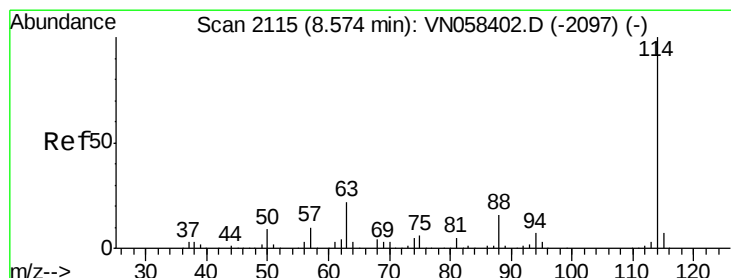
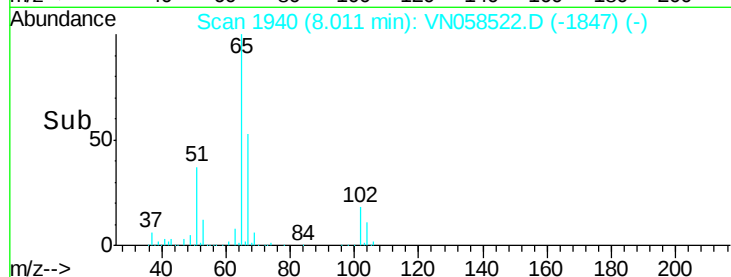
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.01 min

Lab File: VN058522.D

Acq: 3 Oct 2019 19:46

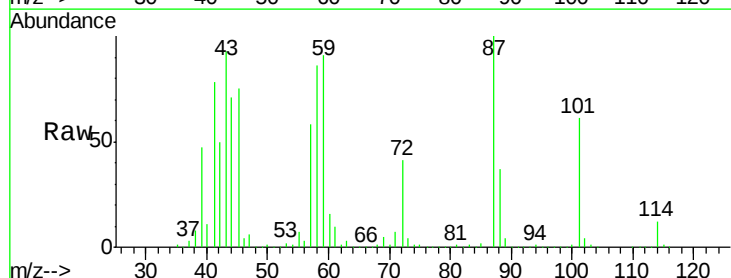
Tgt Ion: 114 Resp: 774861

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.0

88 311.9 0.0 32.2#



Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

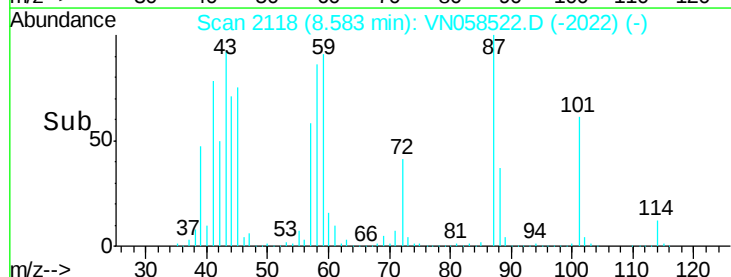
1500000

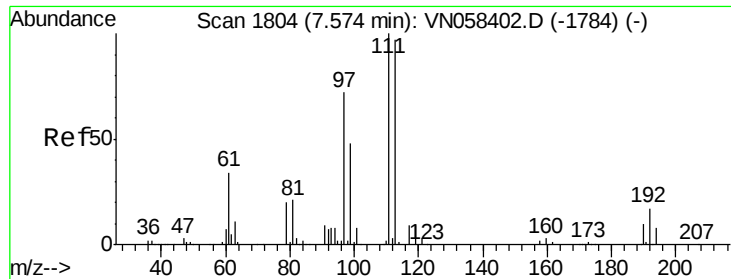
1000000

500000

0

Time-->

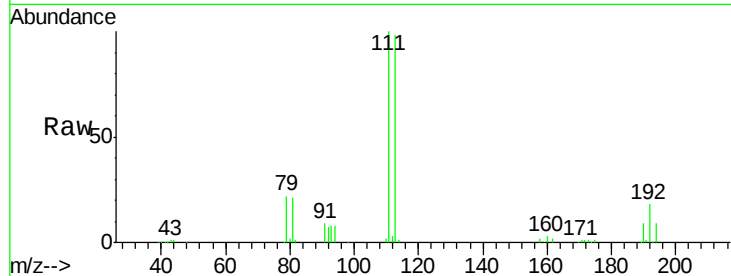




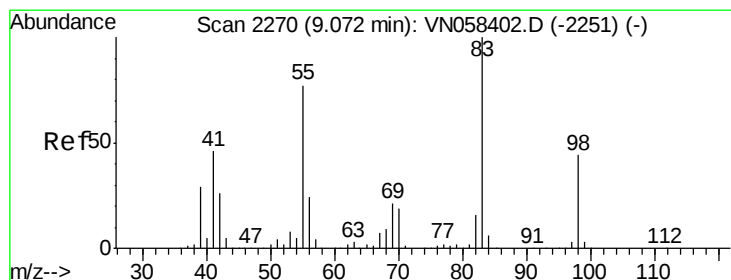
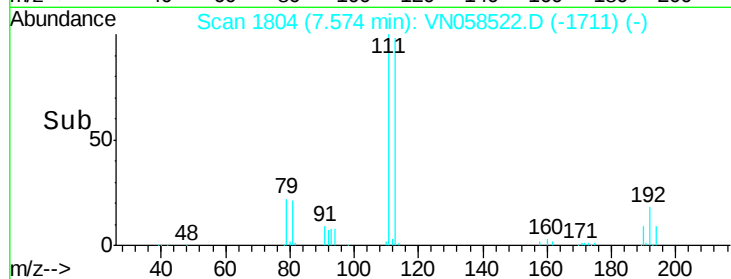
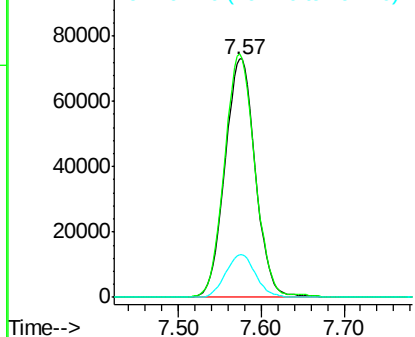
#35
Dibromofluoromethane
Concen: 39.189 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058522.D
Acq: 3 Oct 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
40092

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.4	125.2
192	17.8	14.9	22.3

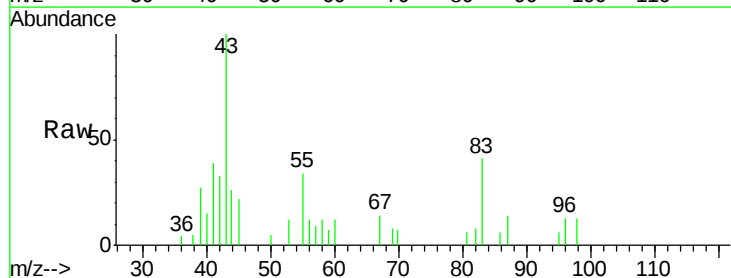


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

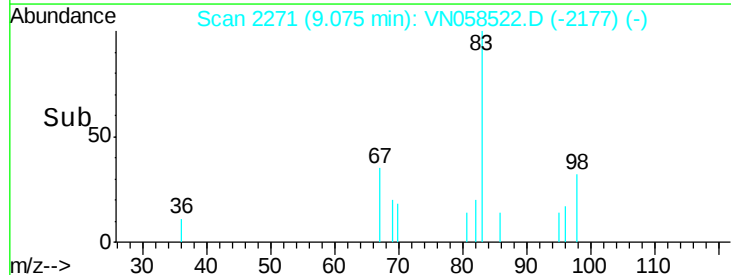
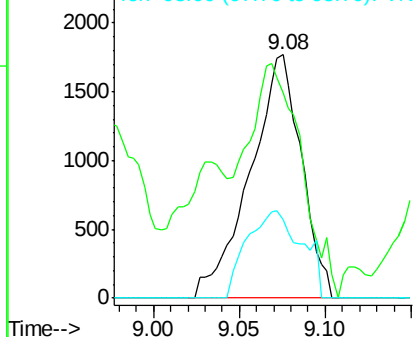


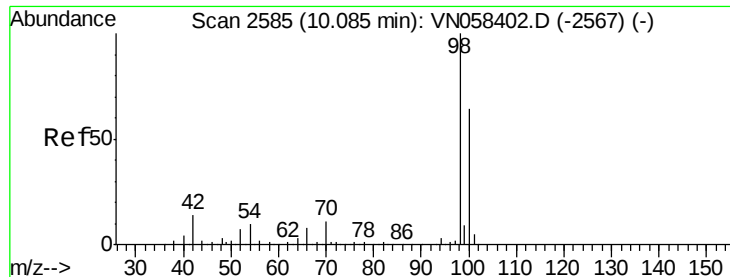
#39
Methylcyclohexane
Concen: 0.422 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN058522.D
Acq: 3 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.5	61.8	92.6
98	32.2	35.4	53.0



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: 45.171 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058522.D

Acq: 3 Oct 2019 19:46

Instrument :

MSVOA_N

ClientSampled :

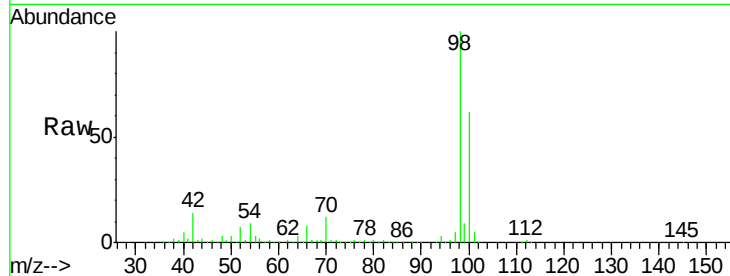
40092

Tot Ion: 98 Resp: 840357

Ion Ratio Lower Upper

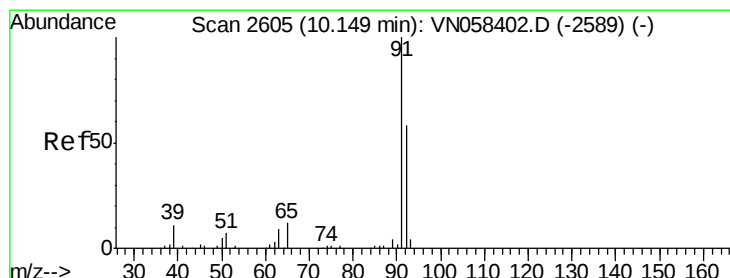
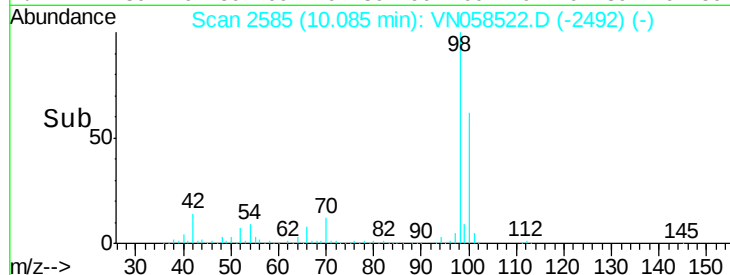
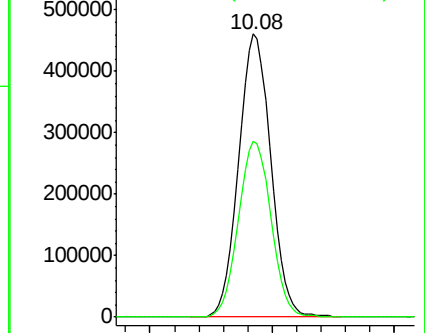
98 100

100 63.2 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 115.777 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058522.D

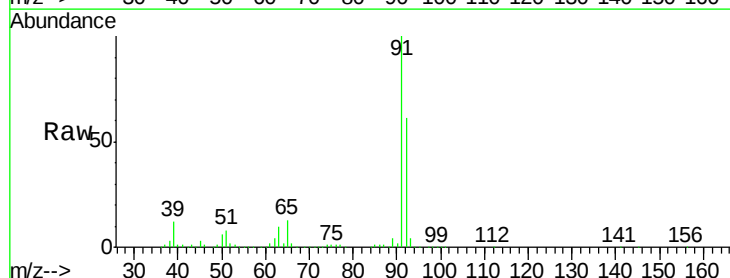
Acq: 3 Oct 2019 19:46

Tgt Ion: 92 Resp: 1552017

Ion Ratio Lower Upper

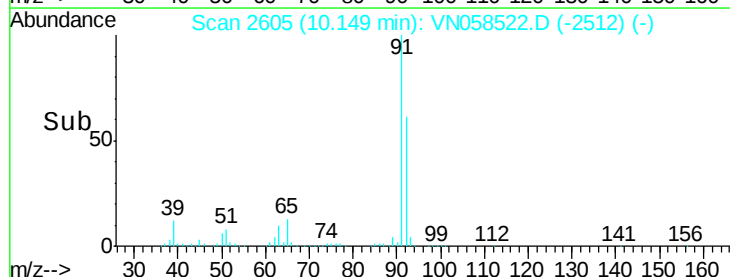
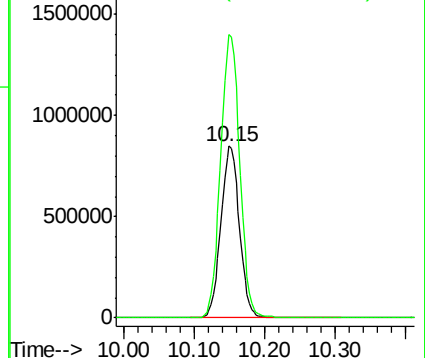
92 100

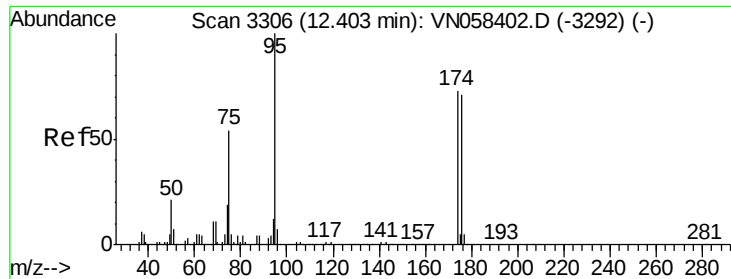
91 170.9 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

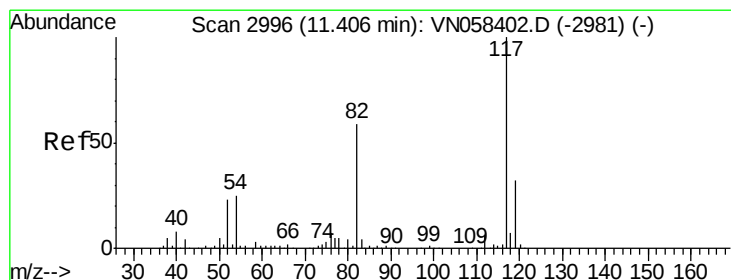
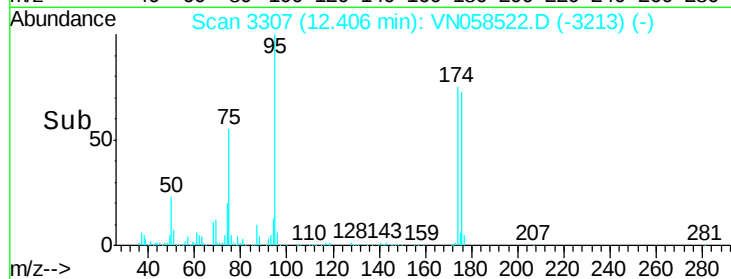
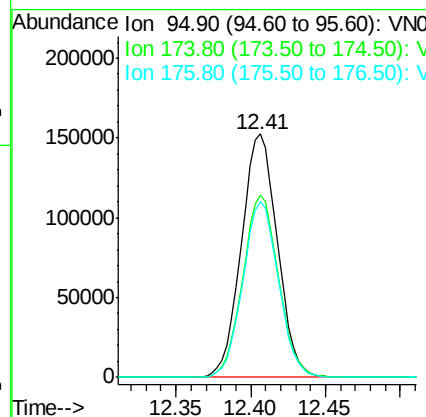
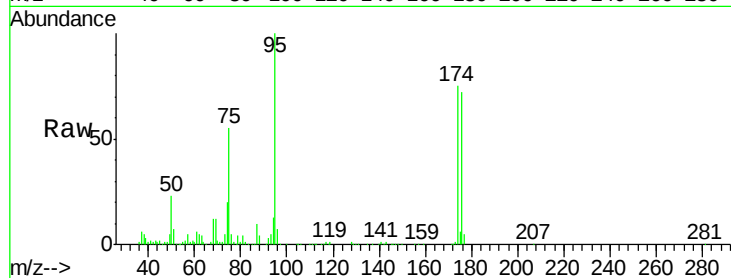




#62
4-Bromofluorobenzene
Concen: 37.830 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058522.D
Acq: 3 Oct 2019 19:46

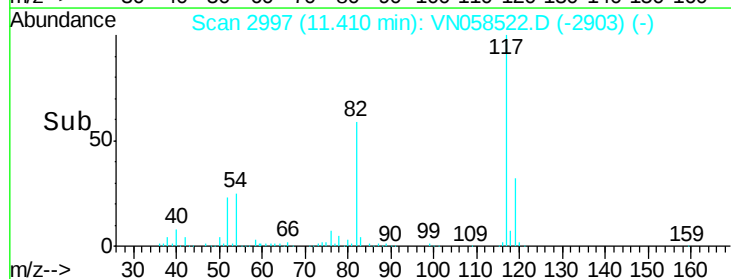
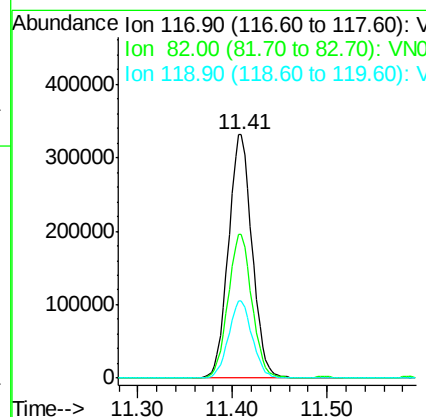
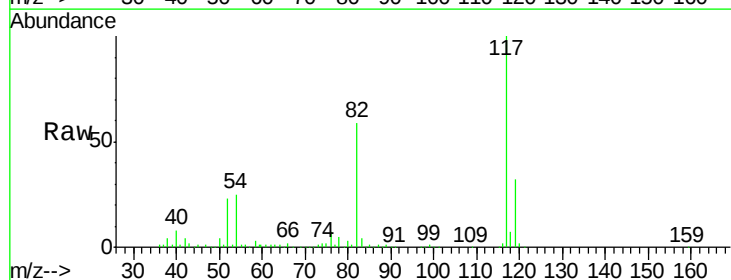
Instrument :
MSVOA_N
ClientSampleId :
40092

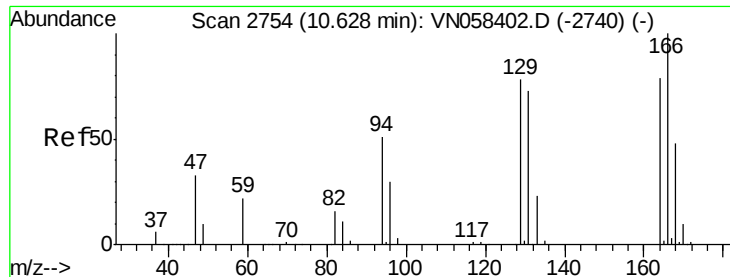
Tot Ion: 95 Resp: 254477
Ion Ratio Lower Upper
95 100
174 75.0 0.0 150.6
176 71.9 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058522.D
Acq: 3 Oct 2019 19:46

Tgt Ion: 117 Resp: 576145
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.0
119 31.5 25.5 38.3





#64

Tetrachloroethene

Concen: 0.953 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058522.D

Acq: 3 Oct 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

40092

Tot Ion:164 Resp: 3490

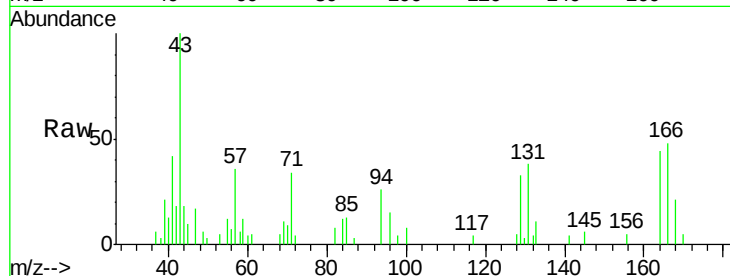
Ion Ratio Lower Upper

164 100

166 108.8 101.1 151.7

129 74.4 79.2 118.8#

131 85.3 74.1 111.1

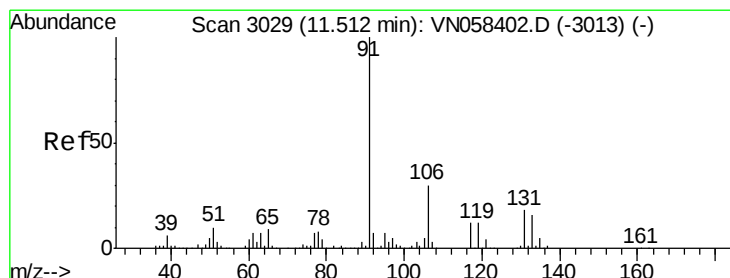
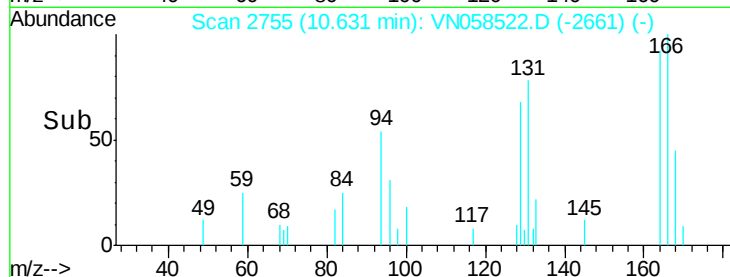
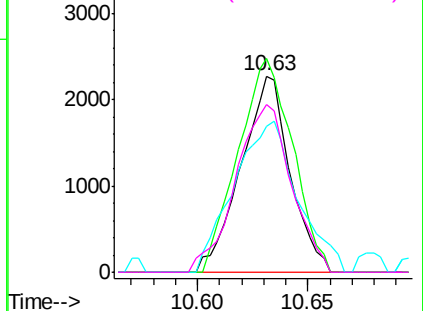


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 5.037 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058522.D

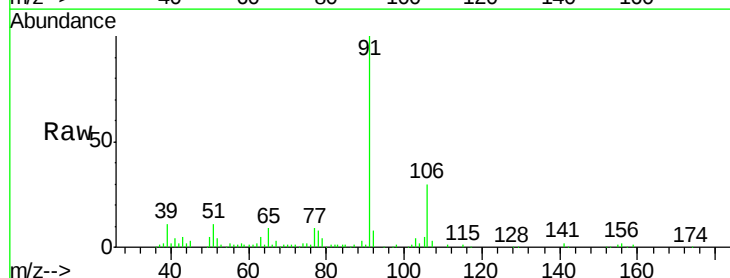
Acq: 3 Oct 2019 19:46

Tgt Ion: 91 Resp: 104481

Ion Ratio Lower Upper

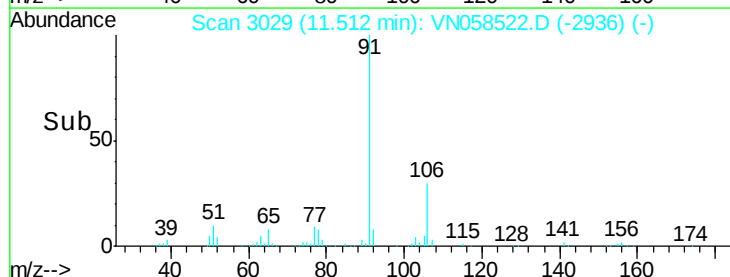
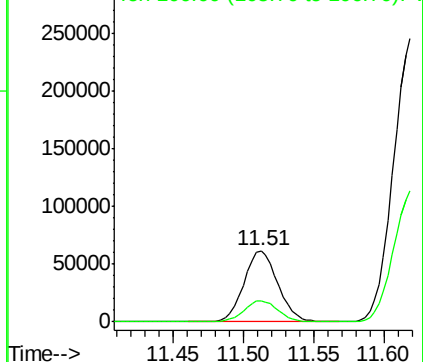
91 100

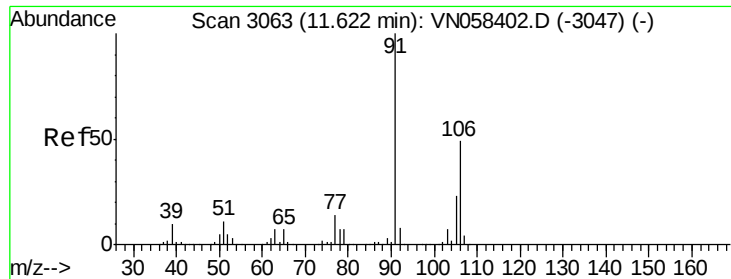
106 29.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

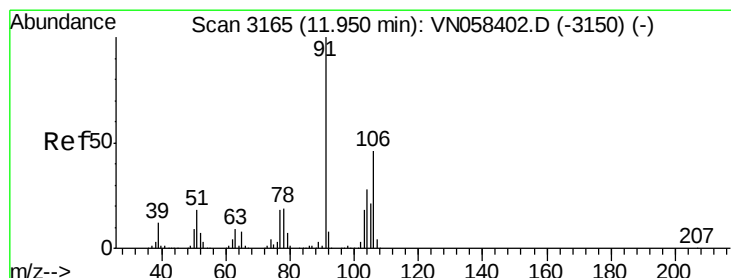
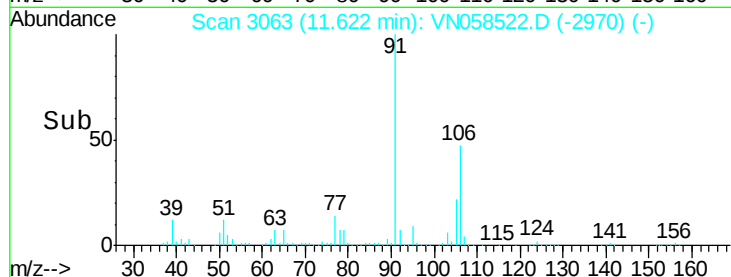
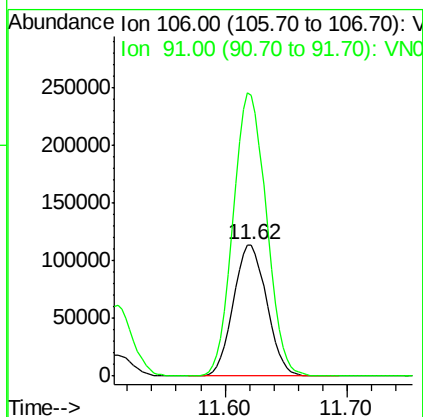
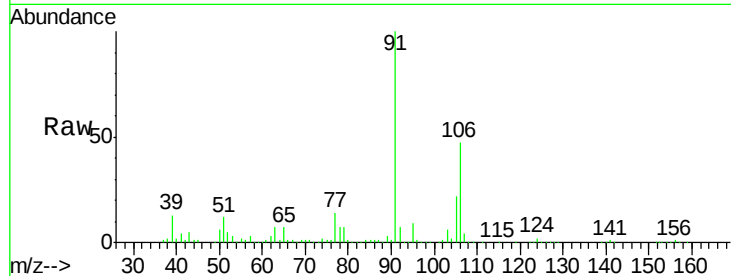




#68
m/p-Xylenes
Concen: 27.714 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058522.D
Acq: 3 Oct 2019 19:46

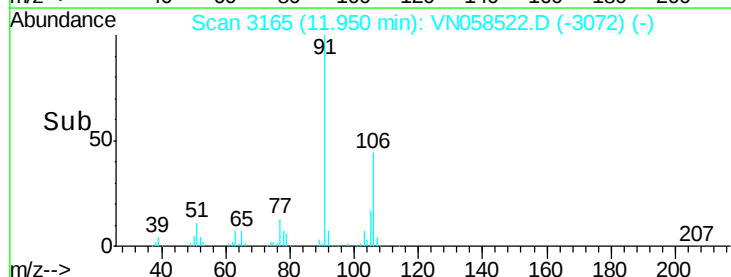
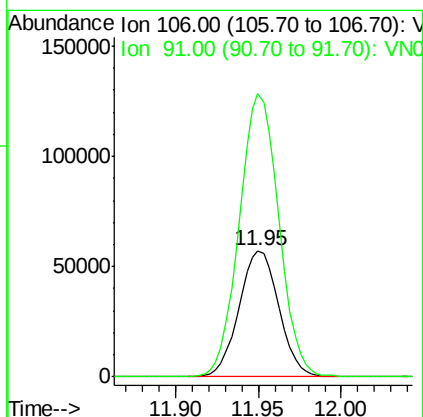
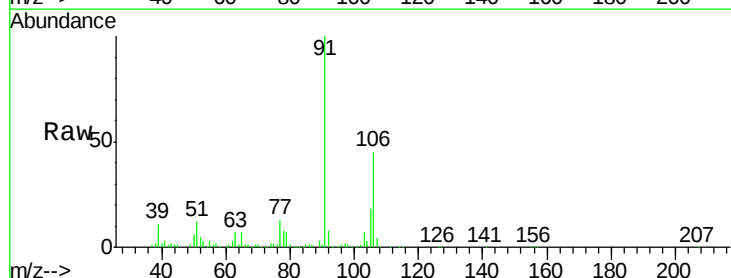
Instrument :
MSVOA_N
ClientSampled :
40092

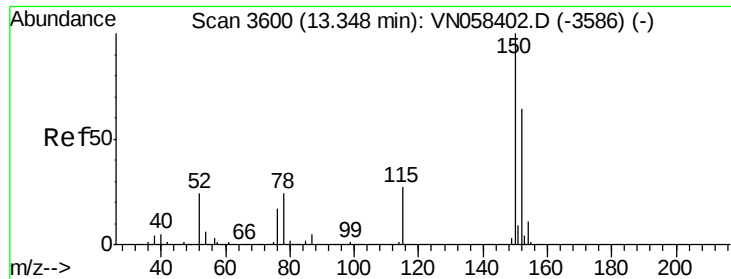
Tot Ion:106 Resp: 216297
Ion Ratio Lower Upper
106 100
91 214.4 165.0 247.4



#69
o-Xylene
Concen: 12.732 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058522.D
Acq: 3 Oct 2019 19:46

Tgt Ion:106 Resp: 95654
Ion Ratio Lower Upper
106 100
91 222.2 109.1 327.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058522.D

Acq: 3 Oct 2019 19:46

Instrument :

MSVOA_N

ClientSampled :

40092

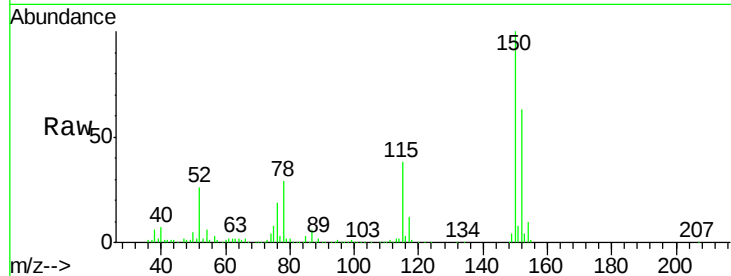
Tot Ion:152 Resp: 211499

Ion Ratio Lower Upper

152 100

115 61.2 30.0 90.0

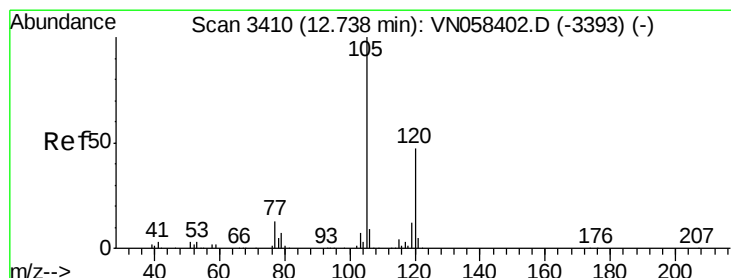
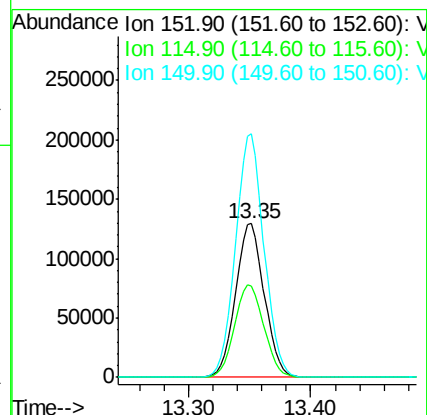
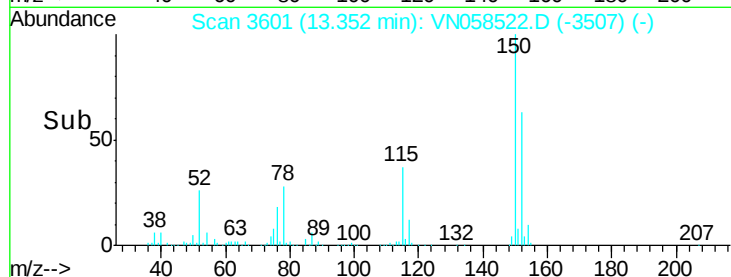
150 157.1 0.0 348.2



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: 0.417 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058522.D

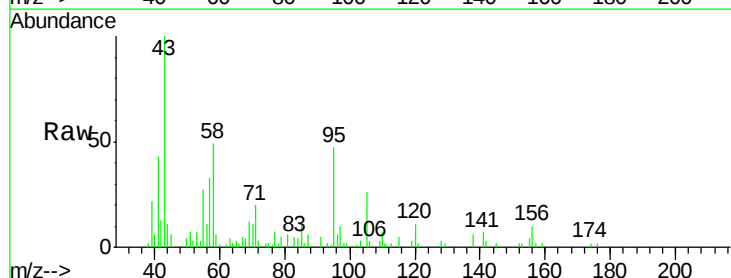
Acq: 3 Oct 2019 19:46

Tgt Ion:105 Resp: 5459

Ion Ratio Lower Upper

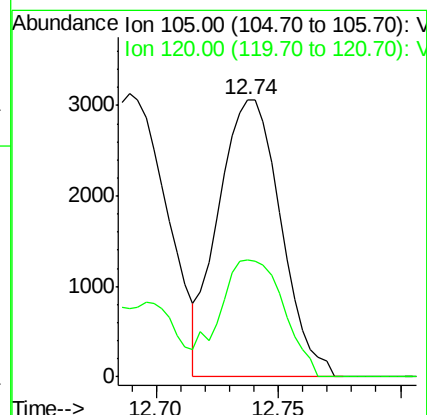
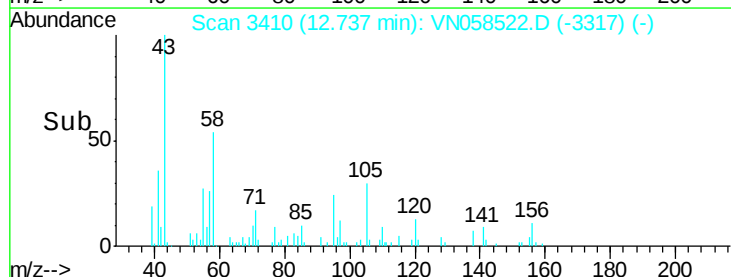
105 100

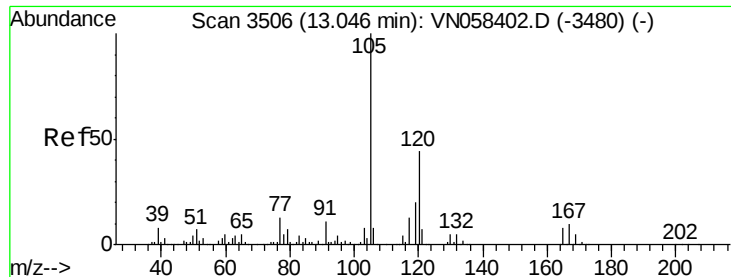
120 43.1 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

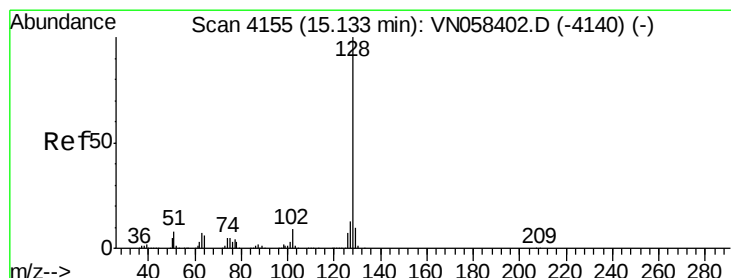
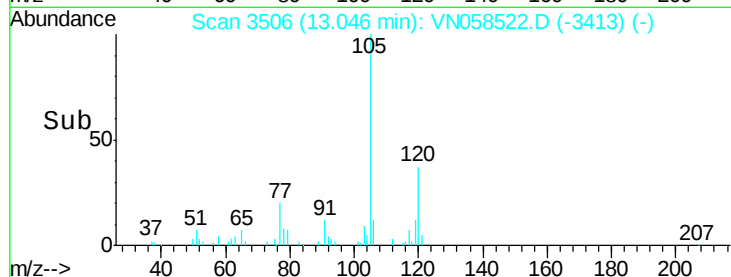
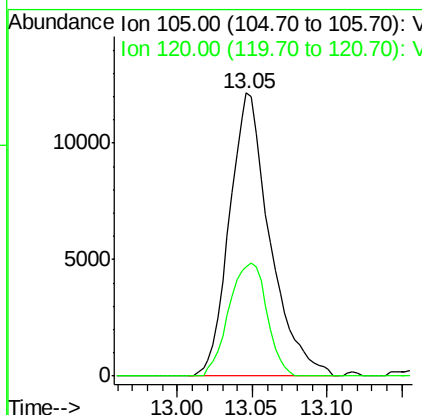
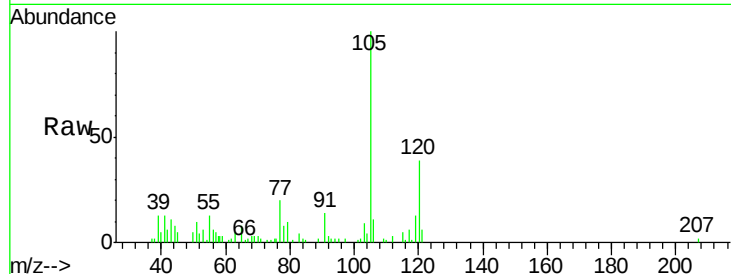




#84
 1,2,4-Trimethylbenzene
 Concen: 1.746 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058522.D
 Acq: 3 Oct 2019 19:46

Instrument :
 MSVOA_N
 ClientSampled :
 40092

Tot Ion:105 Resp: 22887
 Ion Ratio Lower Upper
 105 100
 120 37.3 21.7 65.1



#95
 Naphthalene
 Concen: 5.992 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058522.D
 Acq: 3 Oct 2019 19:46

Tgt Ion:128 Resp: 62187
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.2 15.4
 129 10.4 8.3 12.5

