

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056455.D
 Acq On : 24 Jun 2019 14:59
 Operator : JC/SP
 Sample : K3500-06
 Misc : 7.04g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-6(7.5-8)

Quant Time: Jun 25 02:01:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	343952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	582965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	225180	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	192230	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	7.59	113	162087	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	
50) Toluene-d8	10.09	98	713968	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	244274	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	

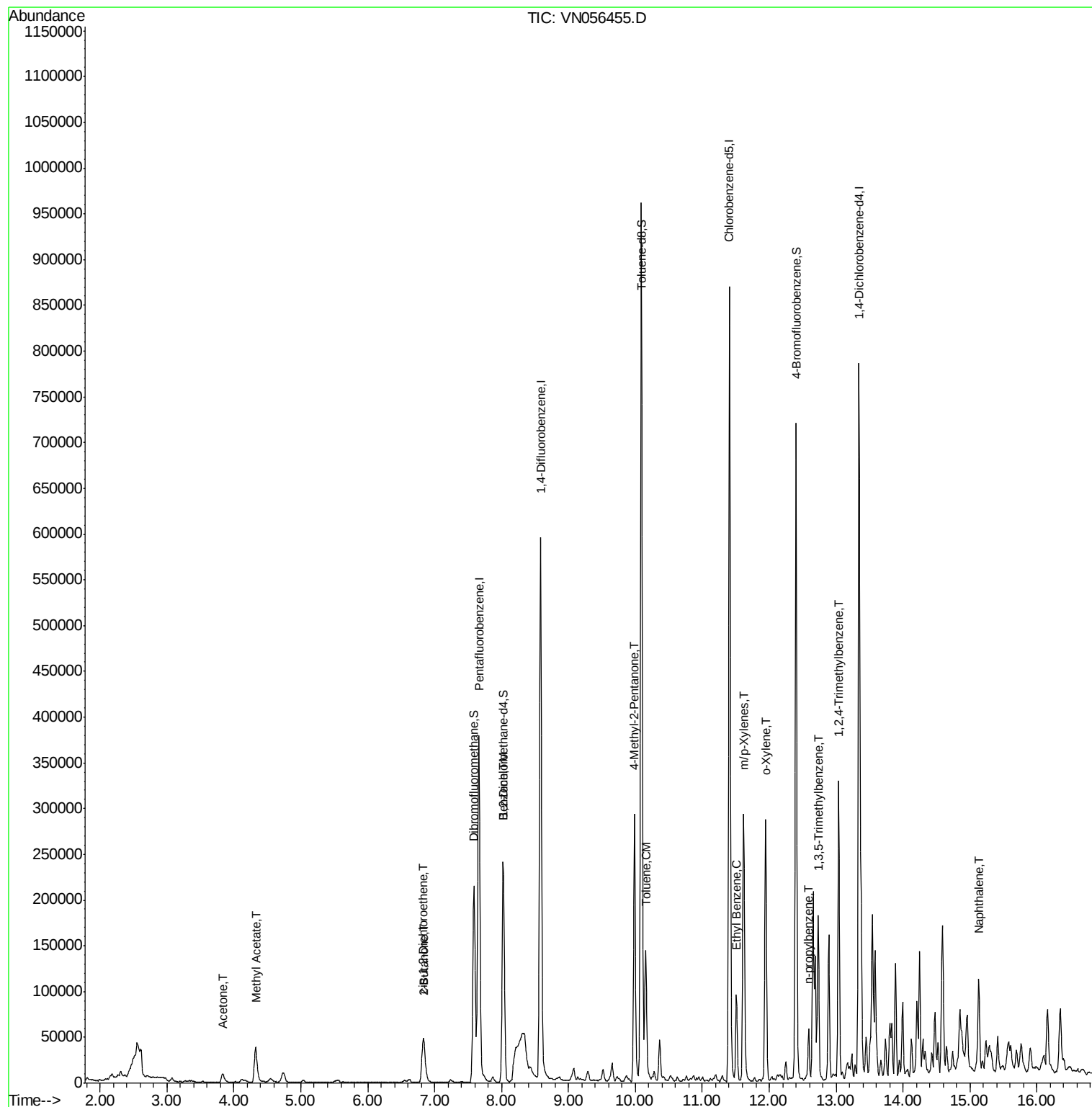
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	19719	10.325	ug/l	97
18) Methyl Acetate	4.32	43	76254	19.862	ug/l #	76
25) 2-Butanone	6.85	43	39410	15.591	ug/l	93
27) cis-1,2-Dichloroethene	6.82	96	24849	6.484	ug/l	91
40) Benzene	8.04	78	20941	1.327	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	203230	40.495	ug/l	100
52) Toluene	10.16	92	61625	6.386	ug/l	100
67) Ethyl Benzene	11.51	91	71920	3.677	ug/l	99
68) m/p-Xylenes	11.62	106	97927	13.663	ug/l	99
69) o-Xylene	11.95	106	84337	11.894	ug/l	99
78) n-propylbenzene	12.59	91	45409	2.202	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	94081	4.586	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	193075	12.737	ug/l	98
95) Naphthalene	15.13	128	85734	12.693	ug/l	98

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

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B-6(7.5-8)

Quant Time: Jun 25 02:01:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

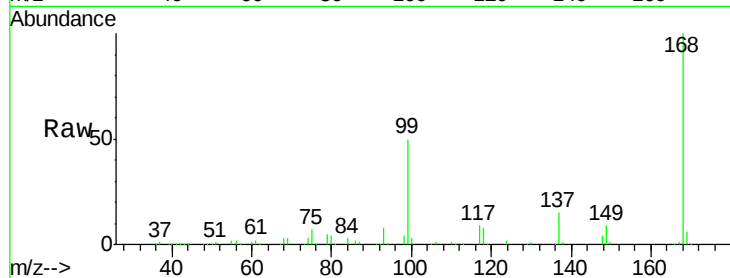
B-6(7.5-8)

Tot Ion:168 Resp: 343952

Ion Ratio Lower Upper

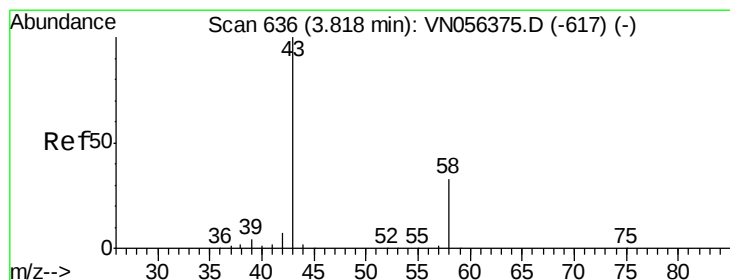
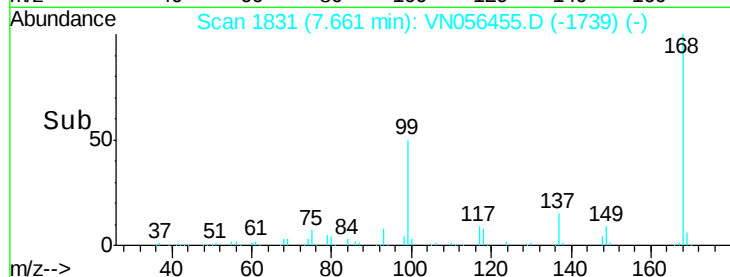
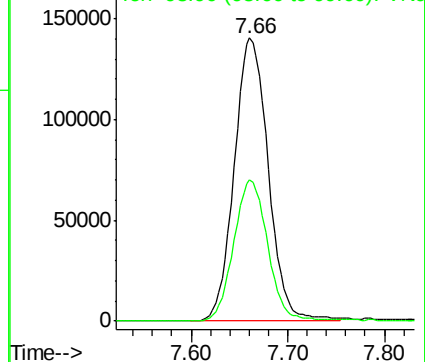
168 100

99 49.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 10.325 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056455.D

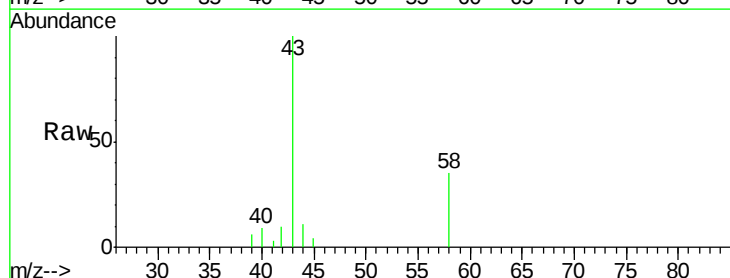
Acq: 24 Jun 2019 14:59

Tgt Ion: 43 Resp: 19719

Ion Ratio Lower Upper

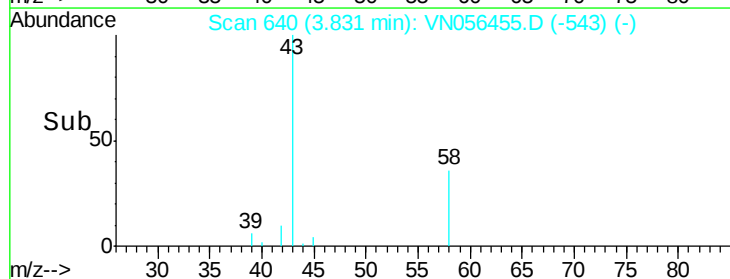
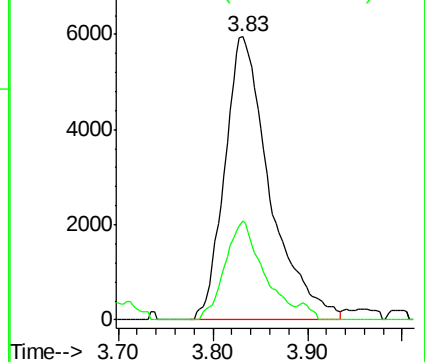
43 100

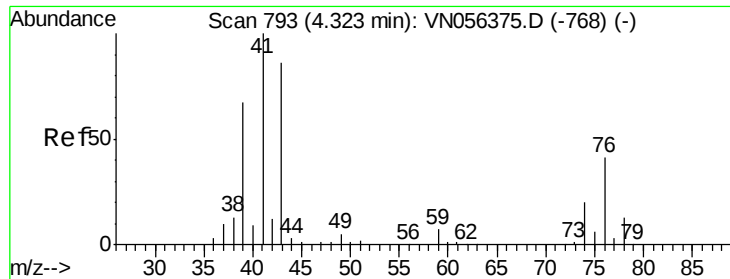
58 34.8 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

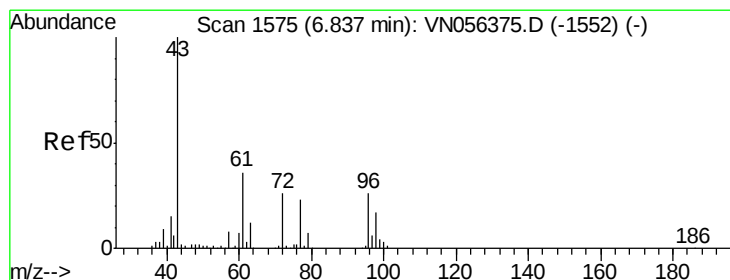
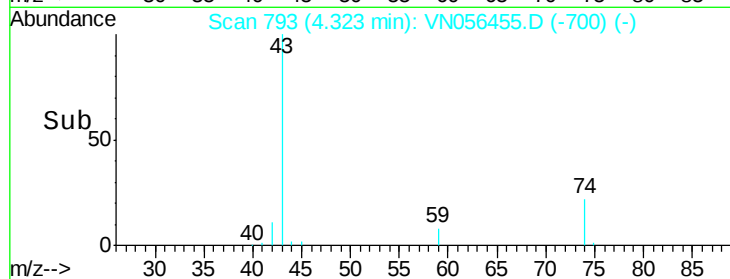
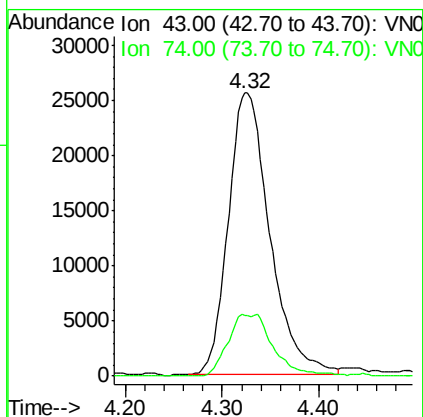
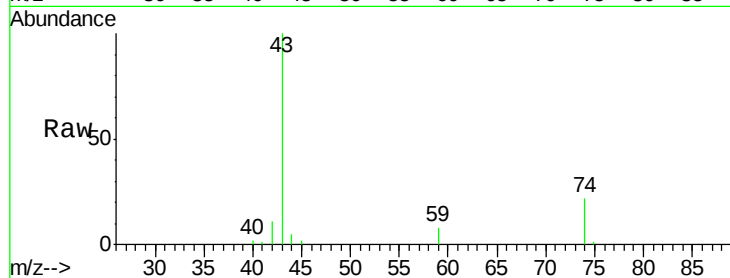




#18
Methyl Acetate
Concen: 19.862 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

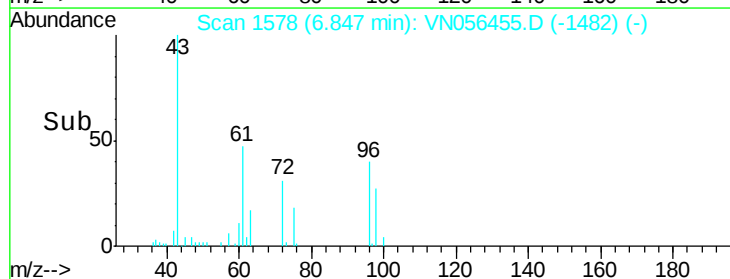
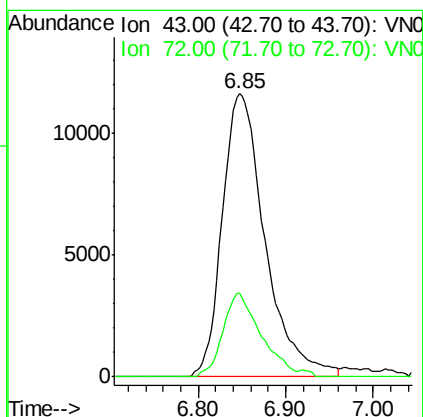
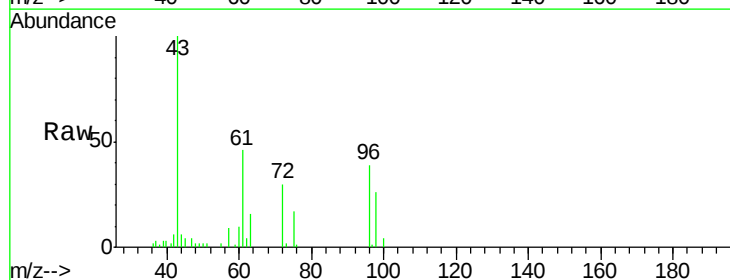
Instrument :
MSVOA_N
ClientSampled :
B-6(7.5-8)

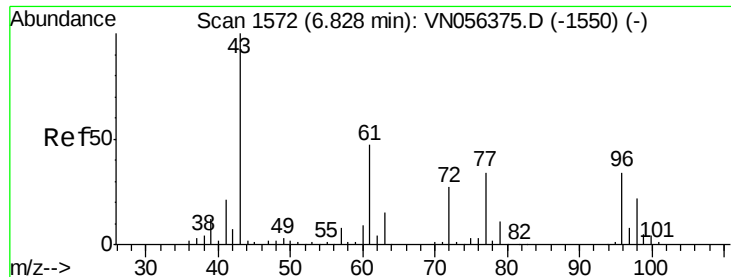
Tot Ion: 43 Resp: 76254
Ion Ratio Lower Upper
43 100
74 12.3 19.2 28.8#



#25
2-Butanone
Concen: 15.591 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion: 43 Resp: 39410
Ion Ratio Lower Upper
43 100
72 29.6 20.6 31.0





#27

cis-1,2-Dichloroethene

Concen: 6.484 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

B-6(7.5-8)

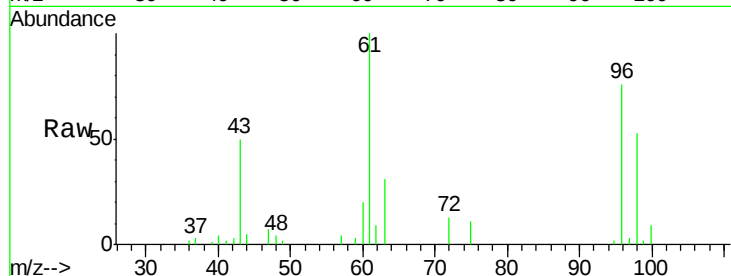
Tot Ion: 96 Resp: 24849

Ion Ratio Lower Upper

96 100

61 125.5 0.0 279.8

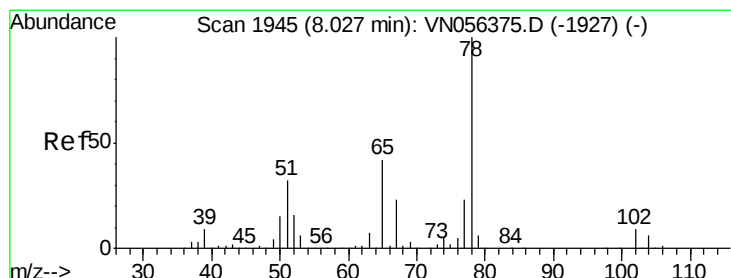
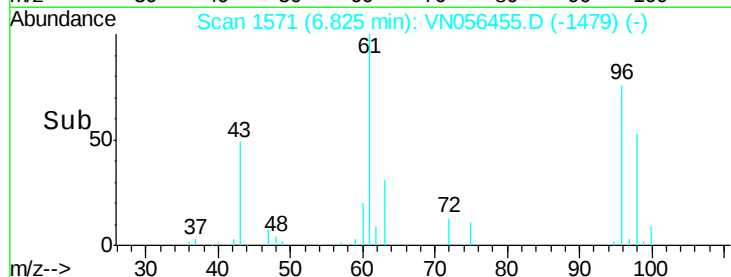
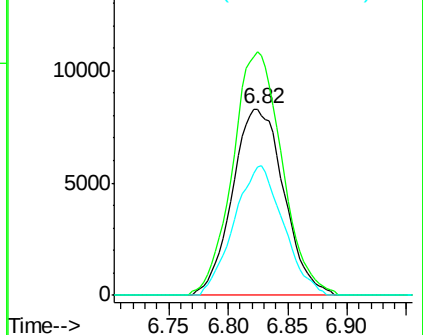
98 66.4 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.427 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056455.D

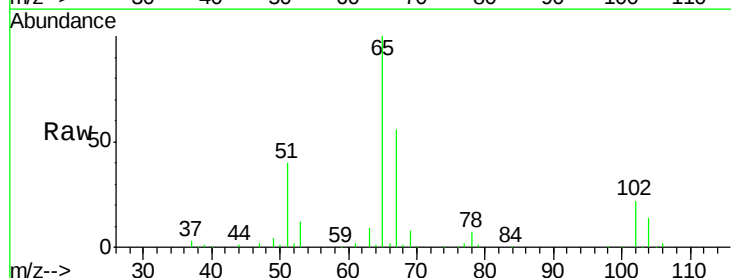
Acq: 24 Jun 2019 14:59

Tgt Ion: 65 Resp: 192230

Ion Ratio Lower Upper

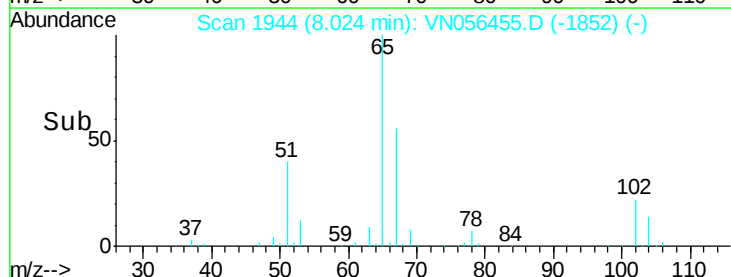
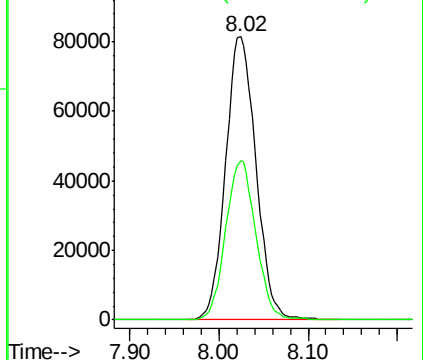
65 100

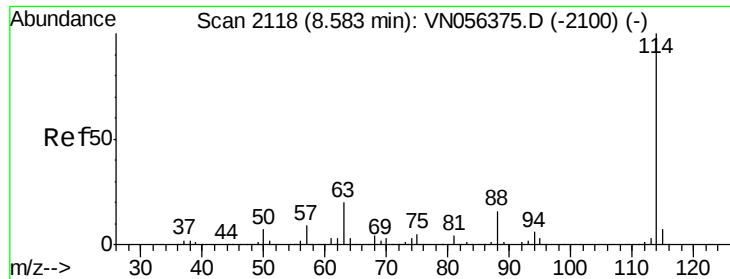
67 55.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

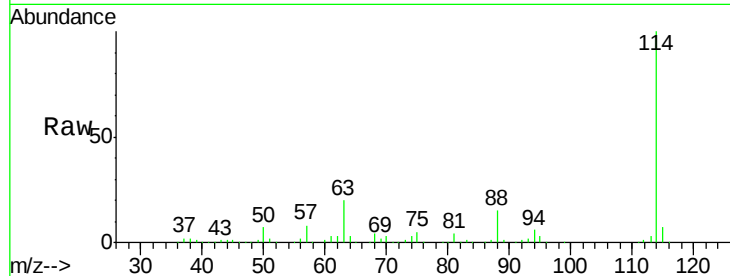




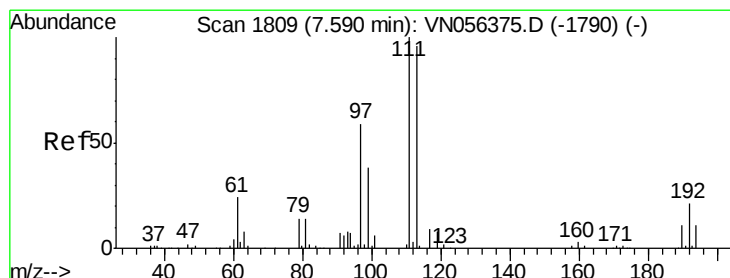
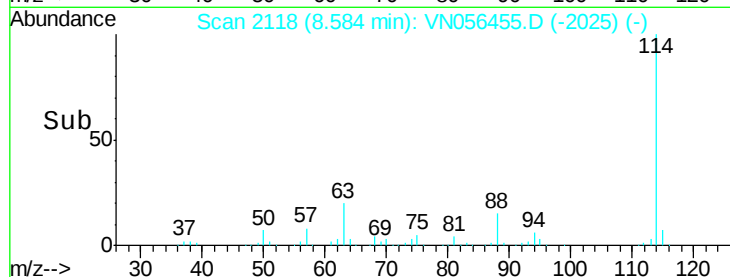
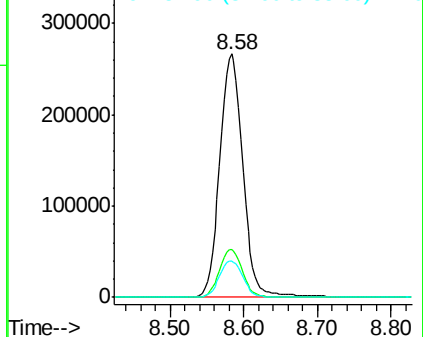
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
B-6(7.5-8)

Tot Ion:114 Resp: 582965
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.2
88 14.9 0.0 31.4

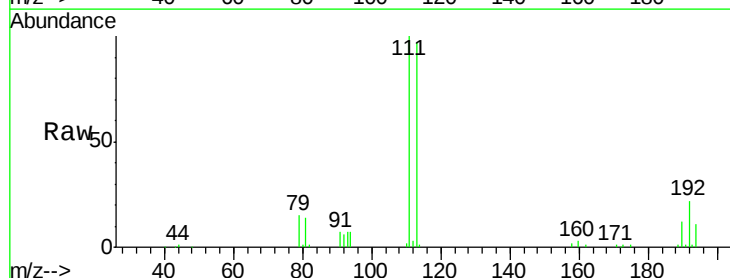


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

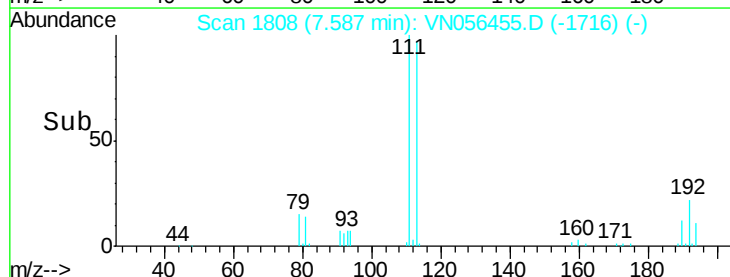
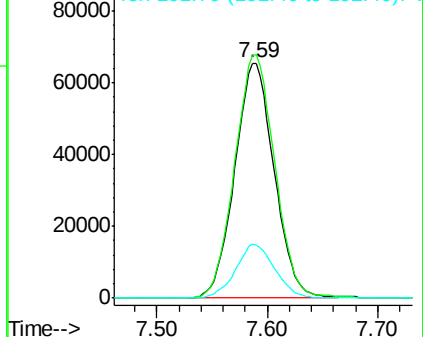


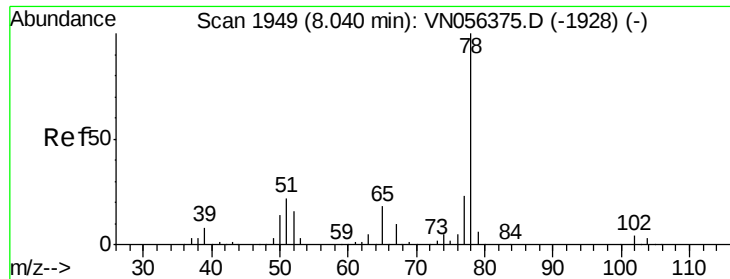
#35
Dibromofluoromethane
Concen: 44.569 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion:113 Resp: 162087
Ion Ratio Lower Upper
113 100
111 105.4 82.9 124.3
192 22.7 17.7 26.5



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: 1.327 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

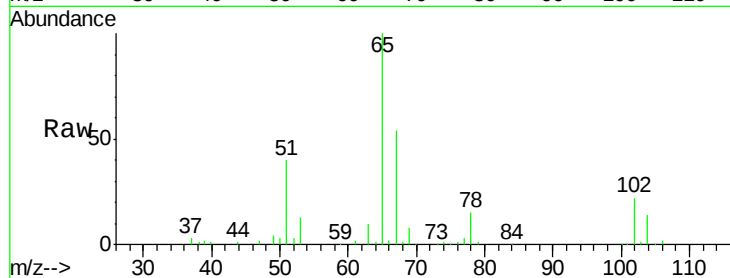
B-6(7.5-8)

Tot Ion: 78 Resp: 20941

Ion Ratio Lower Upper

78 100

77 22.4 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

10000

8000

6000

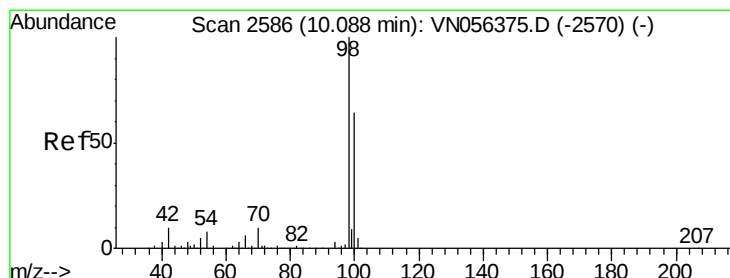
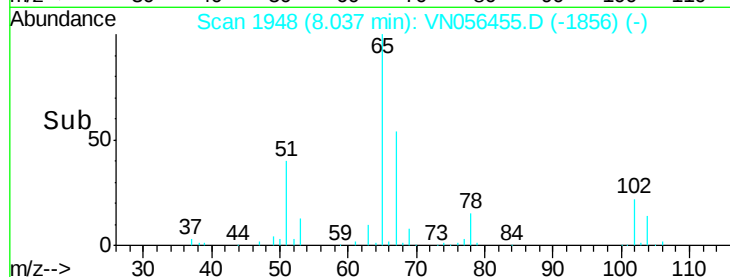
4000

2000

0

Time-->

7.95 8.00 8.05 8.10



#50

Toluene-d8

Concen: 50.454 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056455.D

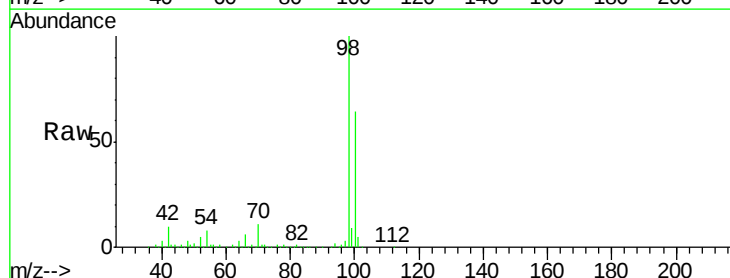
Acq: 24 Jun 2019 14:59

Tgt Ion: 98 Resp: 713968

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

400000

300000

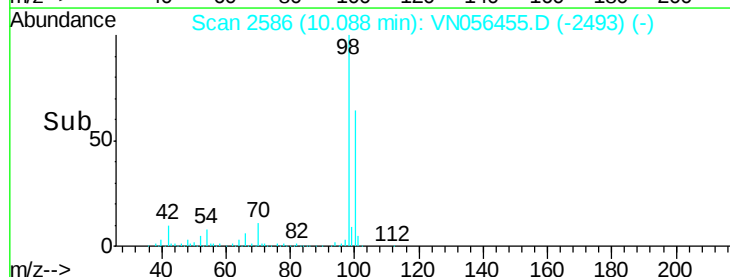
200000

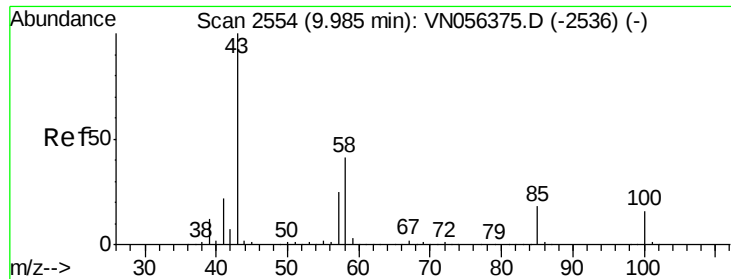
100000

0

Time-->

10.00 10.10 10.20 10.30





#51

4-Methyl-2-Pentanone

Concen: 40.495 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

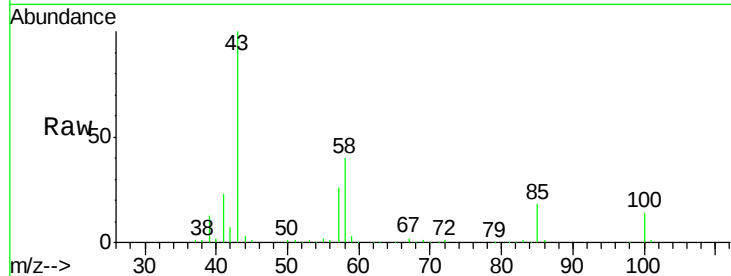
B-6(7.5-8)

Tot Ion: 43 Resp: 203230

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

120000

100000

80000

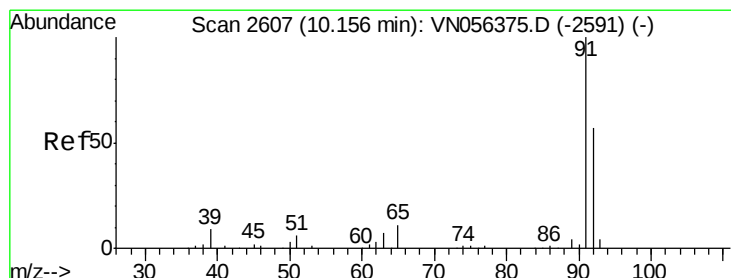
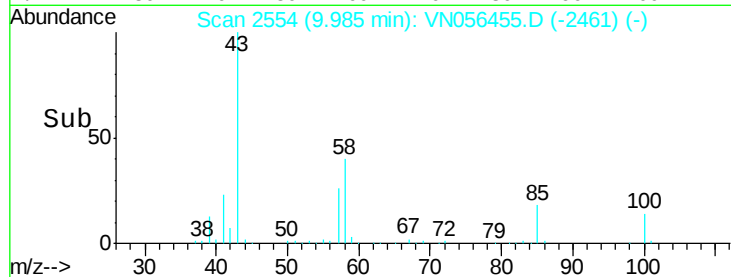
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 6.386 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056455.D

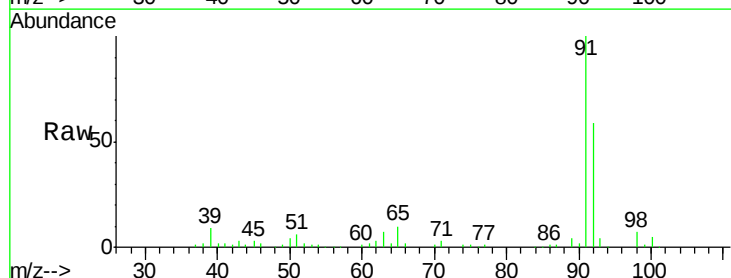
Acq: 24 Jun 2019 14:59

Tgt Ion: 92 Resp: 61625

Ion Ratio Lower Upper

92 100

91 176.3 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

60000

50000

40000

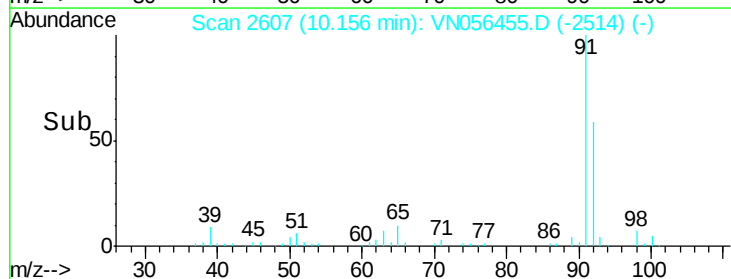
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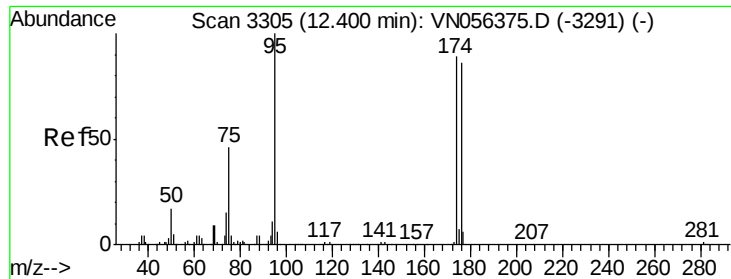
20000

10000

0

Time-->

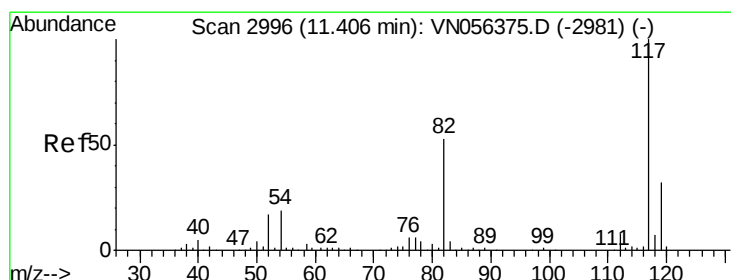
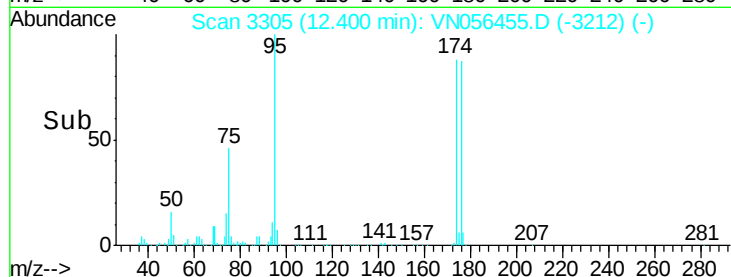
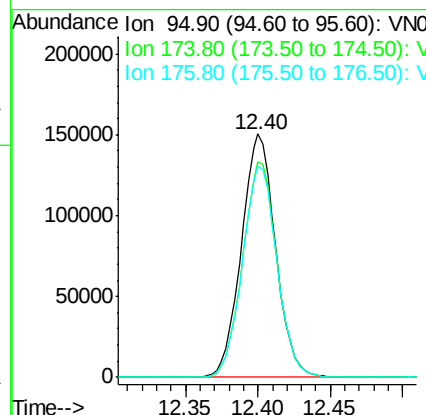
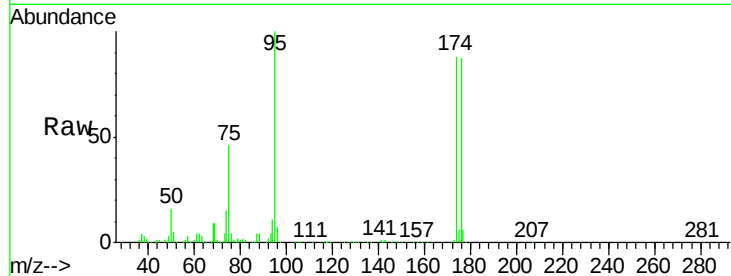




#62
4-Bromofluorobenzene
Concen: 51.783 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

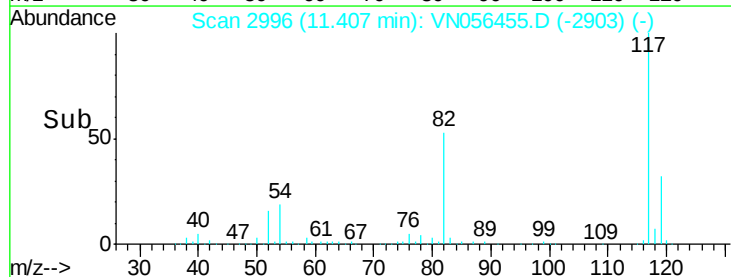
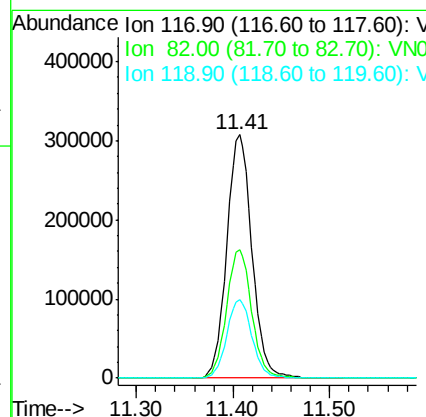
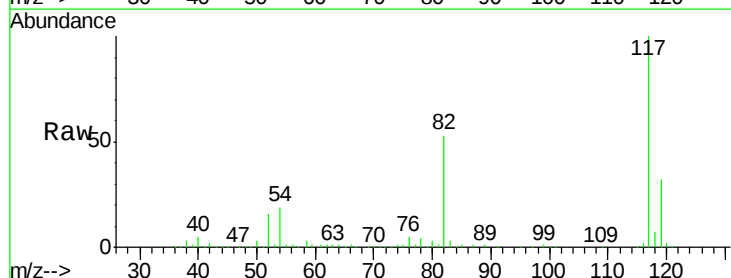
Instrument :
MSVOA_N
ClientSampleId :
B-6(7.5-8)

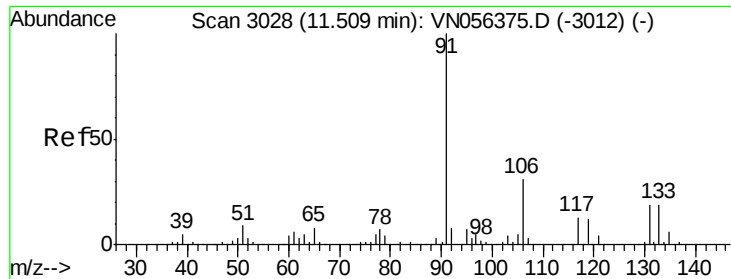
Tot Ion: 95 Resp: 244274
Ion Ratio Lower Upper
95 100
174 89.7 0.0 179.4
176 88.6 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion: 117 Resp: 554319
Ion Ratio Lower Upper
117 100
82 52.7 42.0 63.0
119 32.3 25.3 37.9

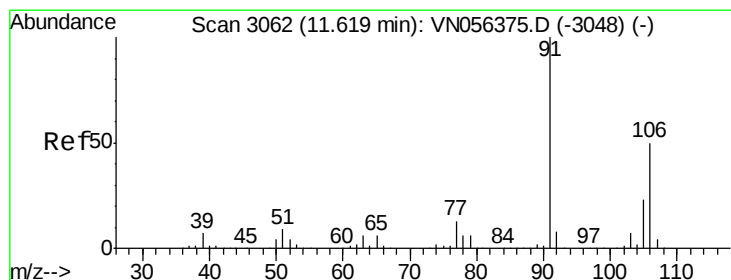
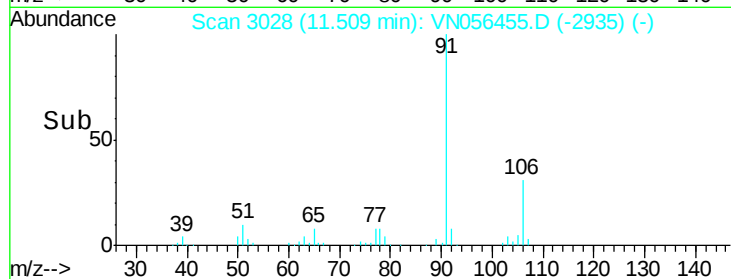
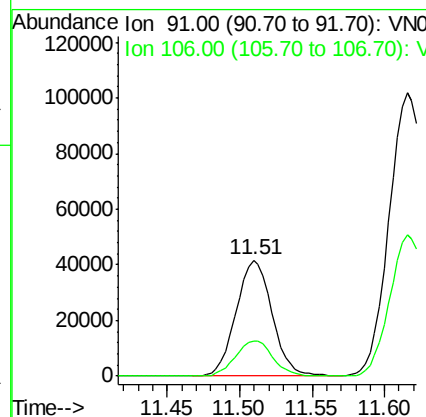
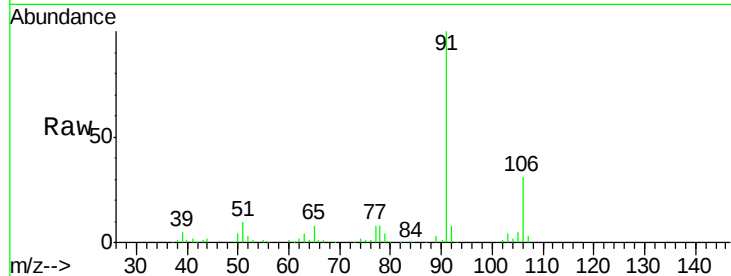




#67
Ethyl Benzene
Concen: 3.677 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

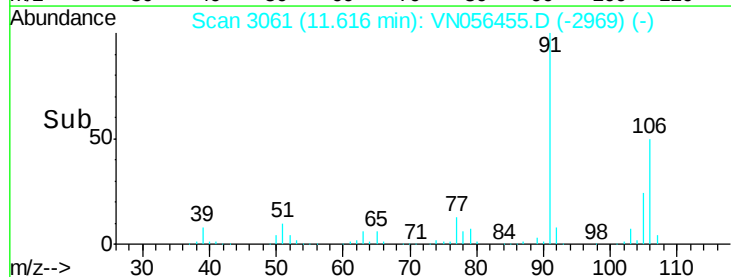
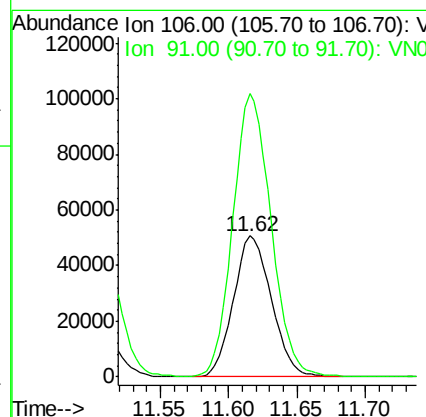
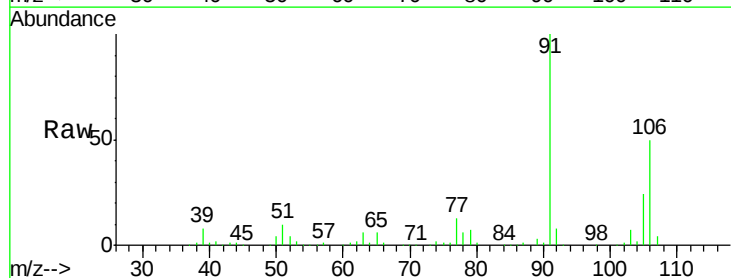
Instrument :
MSVOA_N
ClientSampled :
B-6(7.5-8)

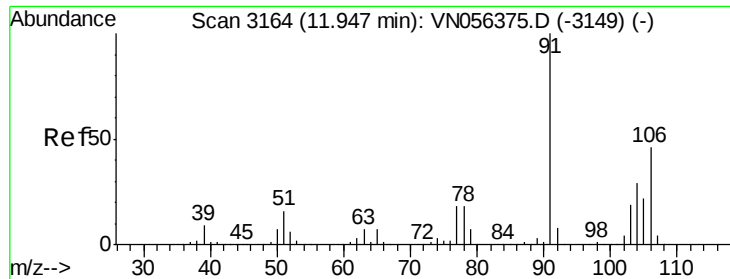
Tot Ion: 91 Resp: 71920
Ion Ratio Lower Upper
91 100
106 30.7 25.1 37.7



#68
m/p-Xylenes
Concen: 13.663 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion: 106 Resp: 97927
Ion Ratio Lower Upper
106 100
91 202.3 160.1 240.1

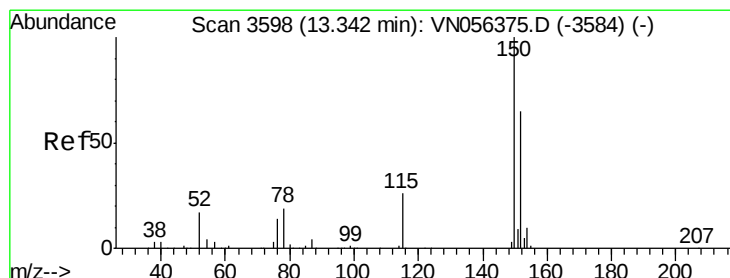
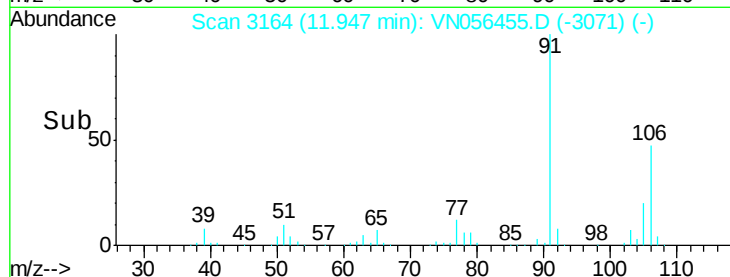
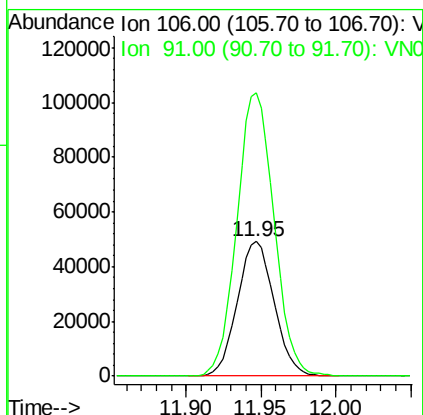
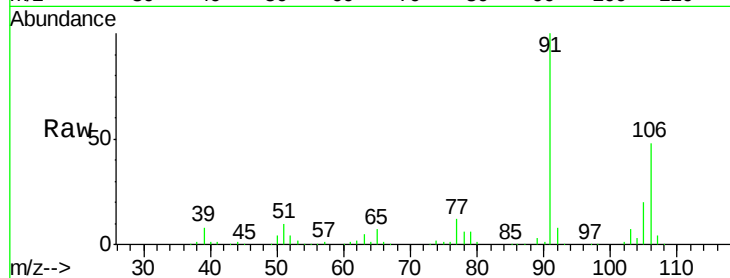




#69
o-Xylene
Concen: 11.894 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

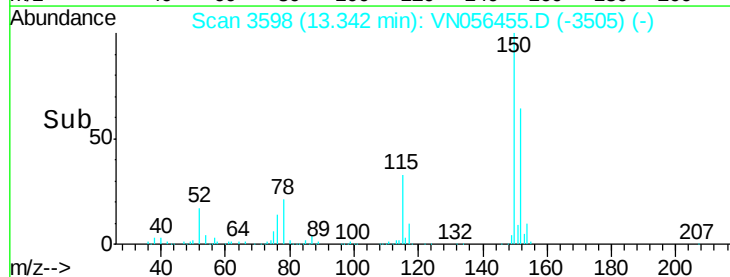
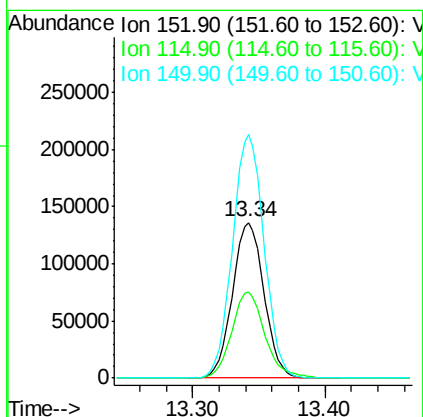
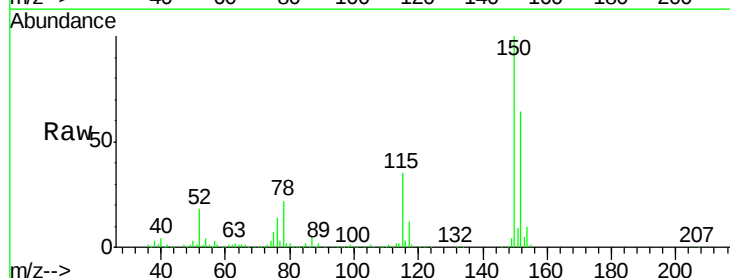
Instrument :
MSVOA_N
ClientSampleId :
B-6(7.5-8)

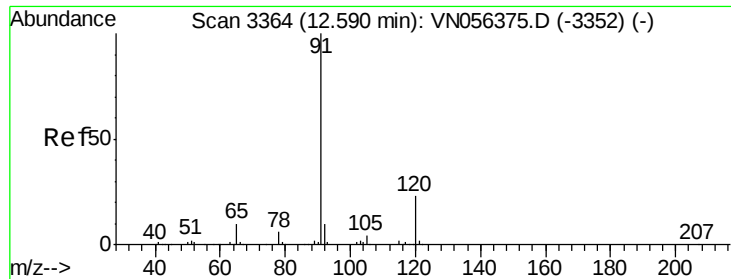
Tot Ion:106 Resp: 84337
Ion Ratio Lower Upper
106 100
91 212.5 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion:152 Resp: 225180
Ion Ratio Lower Upper
152 100
115 57.8 28.1 84.4
150 156.4 0.0 348.4





#78

n-propylbenzene

Concen: 2.202 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

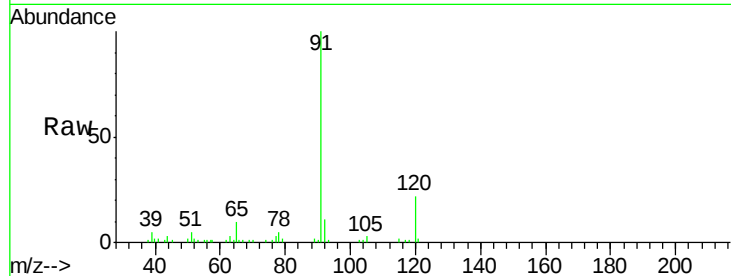
B-6(7.5-8)

Tot Ion: 91 Resp: 45409

Ion Ratio Lower Upper

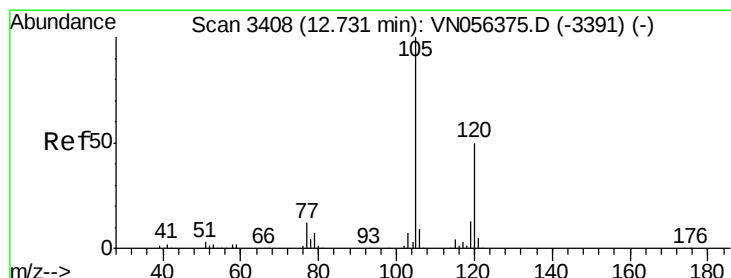
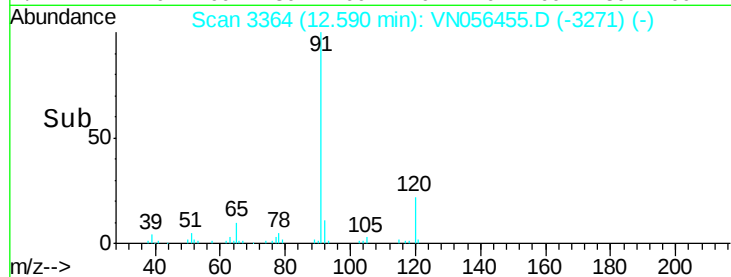
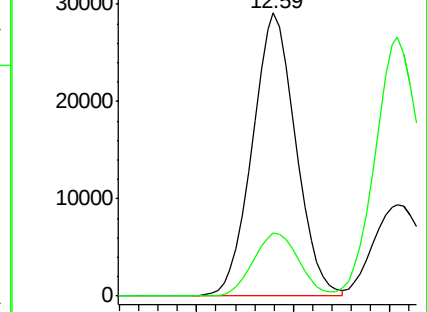
91 100

120 23.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN056375.D (-3352) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.586 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056455.D

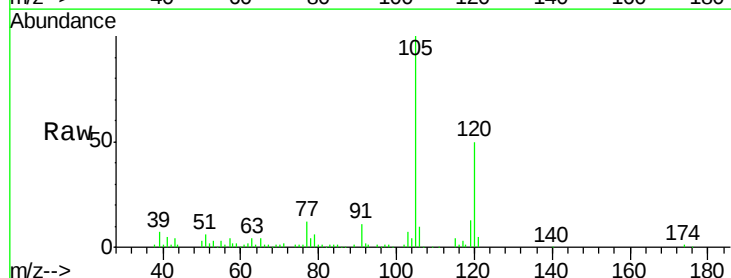
Acq: 24 Jun 2019 14:59

Tgt Ion: 105 Resp: 94081

Ion Ratio Lower Upper

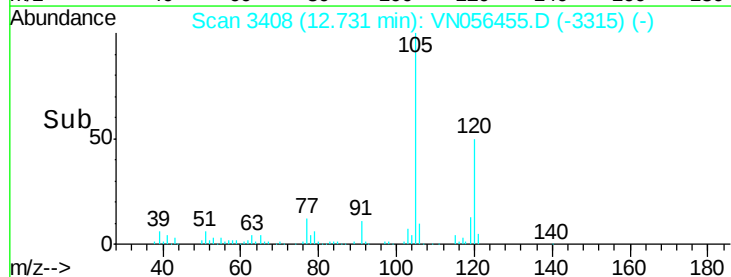
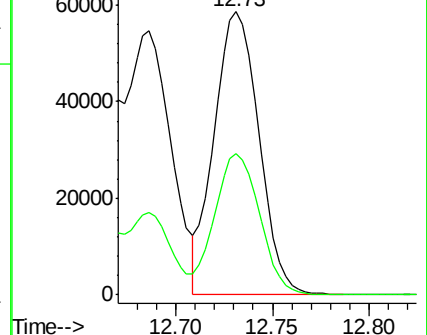
105 100

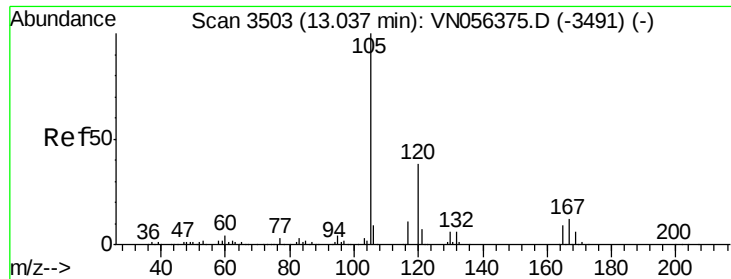
120 51.1 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056375.D (-3391) (-)

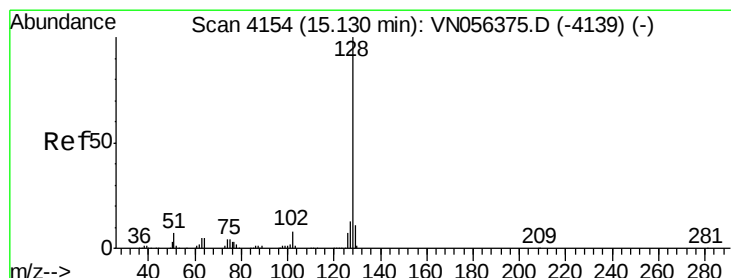
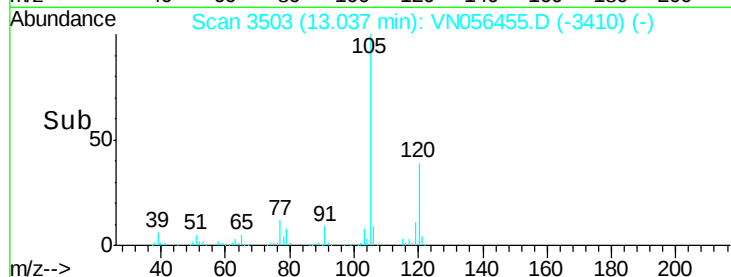
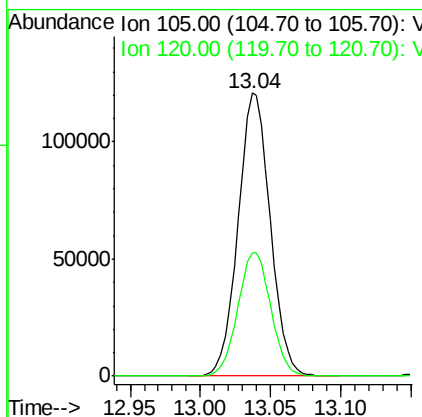
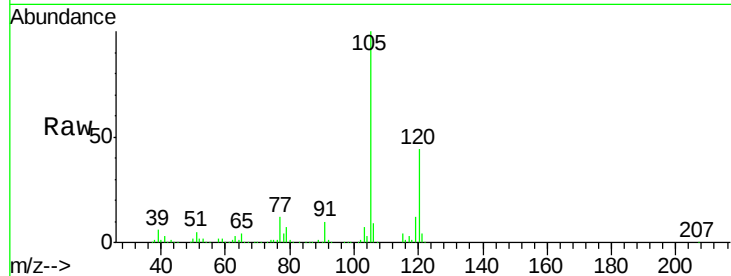




#84
 1,2,4-Trimethylbenzene
 Concen: 12.737 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056455.D
 Acq: 24 Jun 2019 14:59

Instrument :
 MSVOA_N
 ClientSampled :
 B-6(7.5-8)

Tot Ion:105 Resp: 193075
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.9 68.8



#95
 Naphthalene
 Concen: 12.693 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN056455.D
 Acq: 24 Jun 2019 14:59

Tgt Ion:128 Resp: 85734
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.2 15.2
 129 11.7 8.6 12.8

