

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058756.D
 Acq On : 14 Oct 2019 18:01
 Operator : JC/SP
 Sample : K5359-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BORING-2

Quant Time: Oct 15 03:14:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	383530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	651748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	232873	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	296590	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
35) Dibromofluoromethane	7.57	113	207602	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
50) Toluene-d8	10.09	98	766772	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	12.41	95	252199	41.39	ug/l	0.00
Spiked Amount			Recovery	=	82.78%	

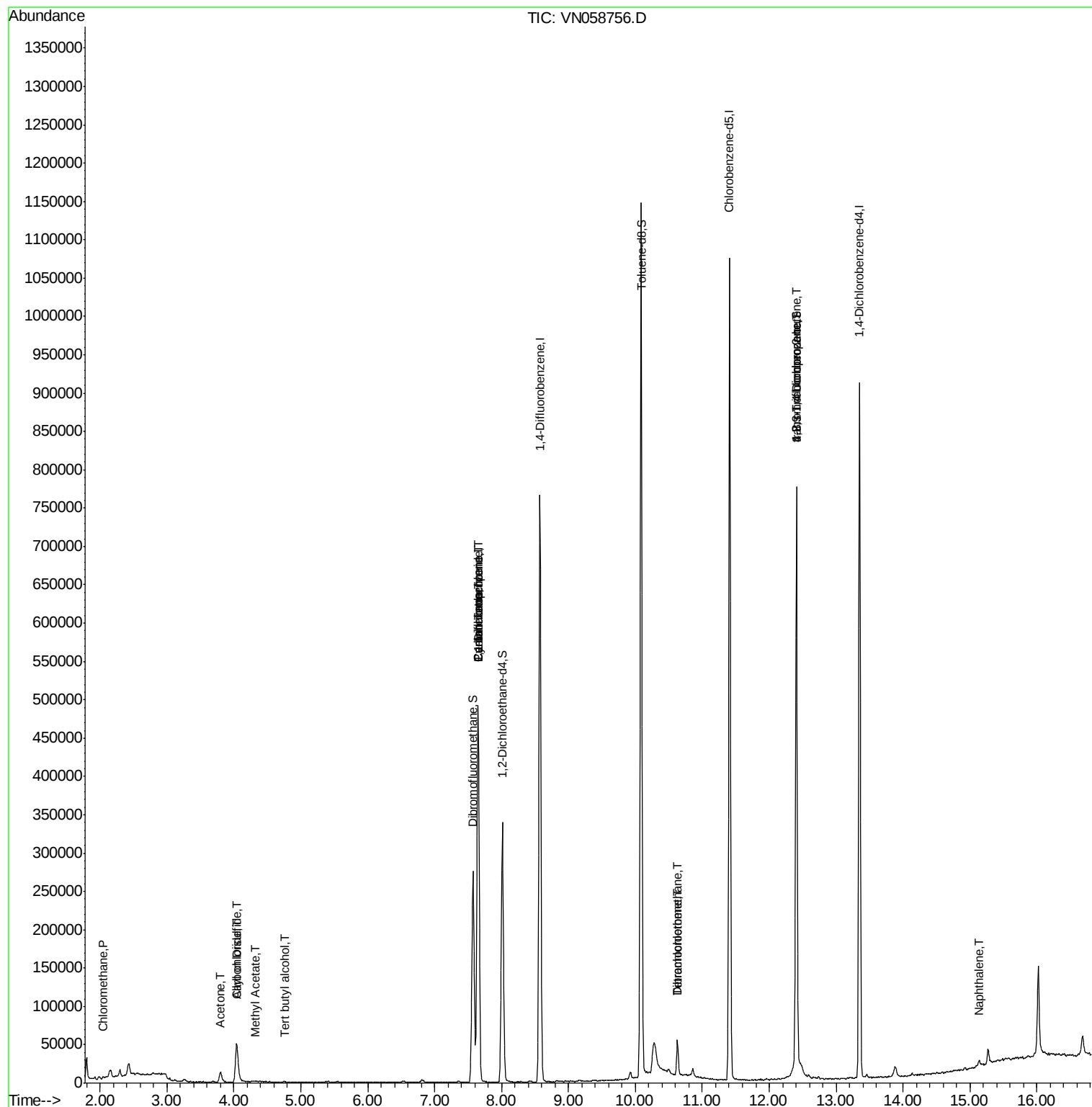
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1675	0.295	ug/l #	73
11) Tert butyl alcohol	4.75	59	1252	1.440	ug/l #	72
14) Allyl chloride	4.05	41	8986	1.209	ug/l	96
16) Acetone	3.80	43	23558	10.598	ug/l	99
17) Carbon Disulfide	4.03	76	3182	0.270	ug/l #	75
18) Methyl Acetate	4.31	43	1249	0.222	ug/l #	54
31) Cyclohexane	7.64	56	8719	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	31715	4.813	ug/l #	50
38) Carbon Tetrachloride	7.65	117	37616	5.857	ug/l #	18
60) Dibromochloromethane	10.63	129	9345	1.912	ug/l #	11
64) Tetrachloroethene	10.63	164	9724	2.365	ug/l	95
76) 1,2,3-Trichloropropane	12.41	75	137186	26.854	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	137186	71.932	ug/l #	11
95) Naphthalene	15.14	128	3229	0.250	ug/l	98

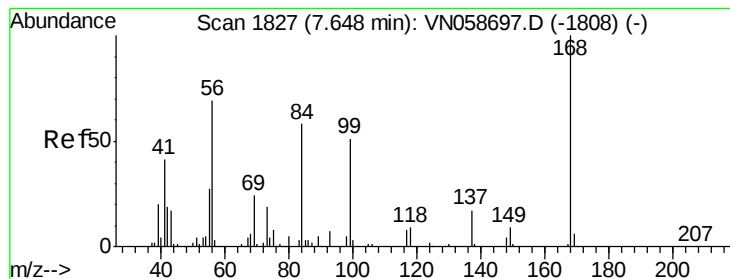
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058756.D

Acq: 14 Oct 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

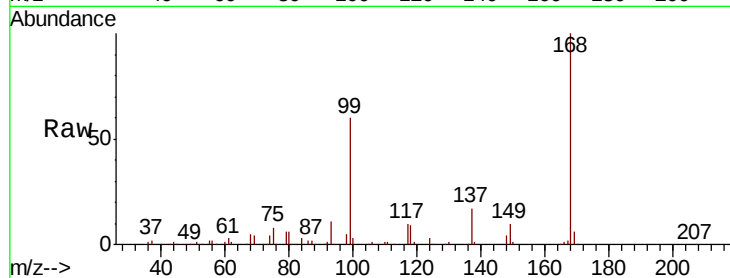
BORING-2

Tot Ion:168 Resp: 383530

Ion Ratio Lower Upper

168 100

99 60.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058697.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058697.D (-1808) (-)

7.65

150000

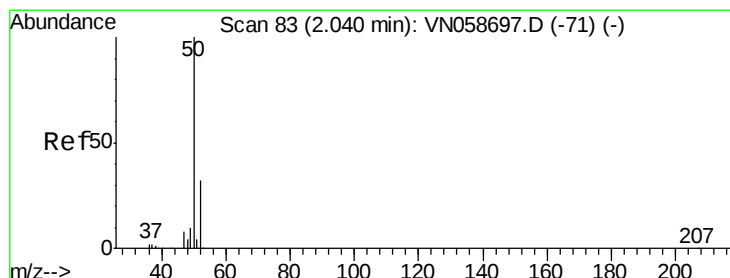
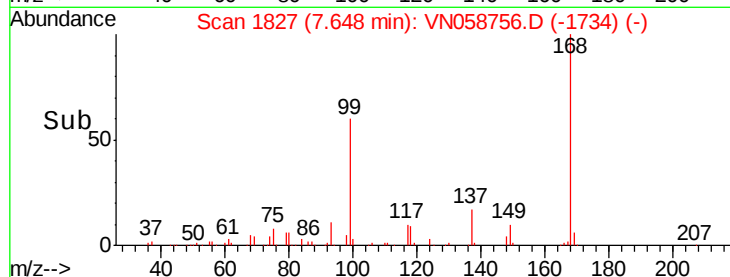
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.295 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058756.D

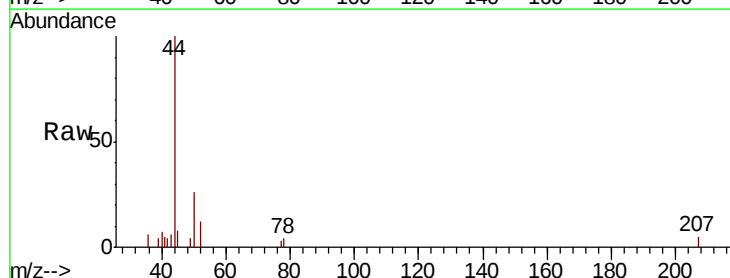
Acq: 14 Oct 2019 18:01

Tgt Ion: 50 Resp: 1675

Ion Ratio Lower Upper

50 100

52 47.1 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN058697.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN058697.D (-71) (-)

2.04

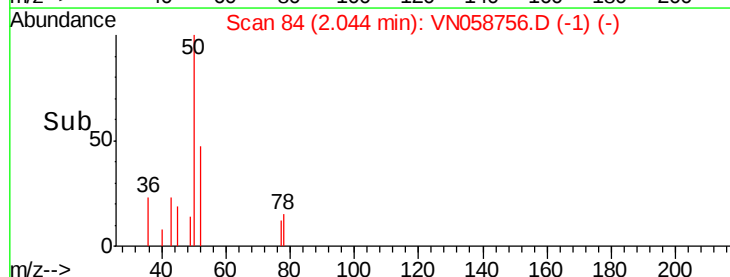
1000

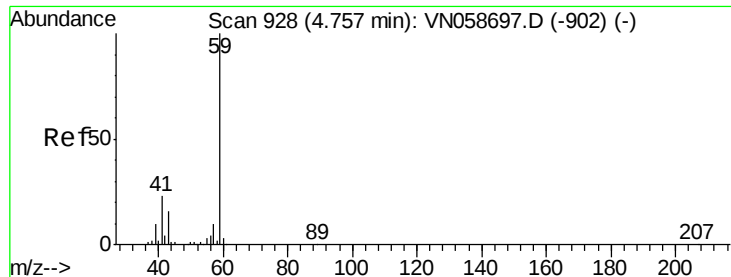
500

0

2.00 2.05

Time-->



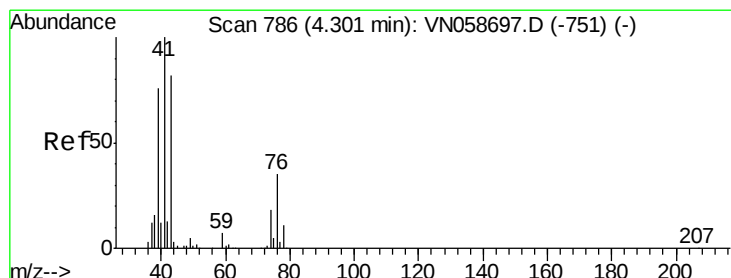
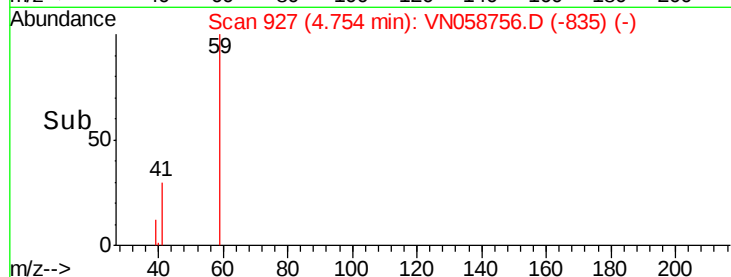
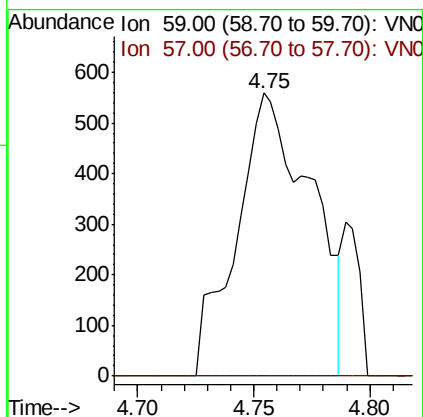
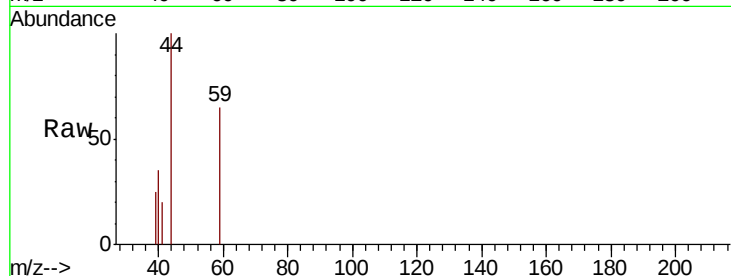


#11

Tert butyl alcohol
 Concen: 1.440 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058756.D
 Acq: 14 Oct 2019 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 BORING-2

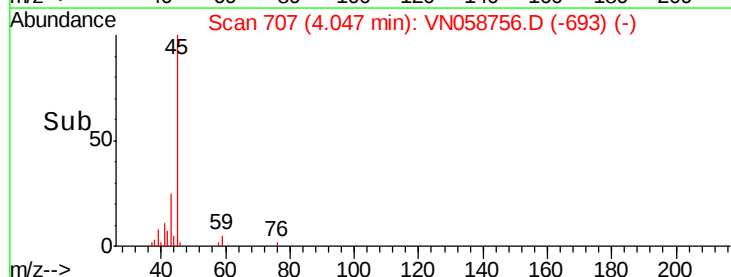
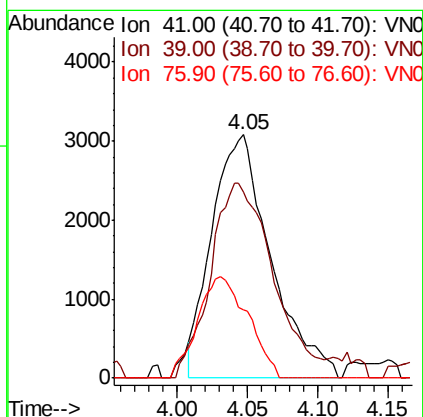
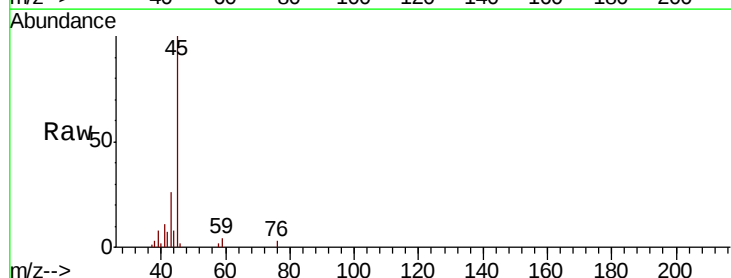
Tot Ion: 59 Resp: 1252
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

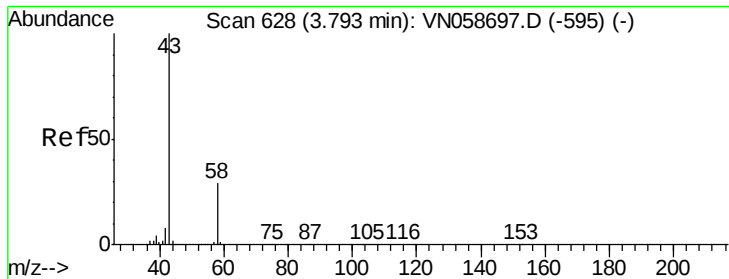


#14

Allyl chloride
 Concen: 1.209 ug/l
 RT: 4.05 min Scan# 707
 Delta R.T. -0.25 min
 Lab File: VN058756.D
 Acq: 14 Oct 2019 18:01

Tgt Ion: 41 Resp: 8986
 Ion Ratio Lower Upper
 41 100
 39 67.8 57.2 85.8
 76 33.0 25.0 37.6





#16

Acetone

Concen: 10.598 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058756.D

Acq: 14 Oct 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

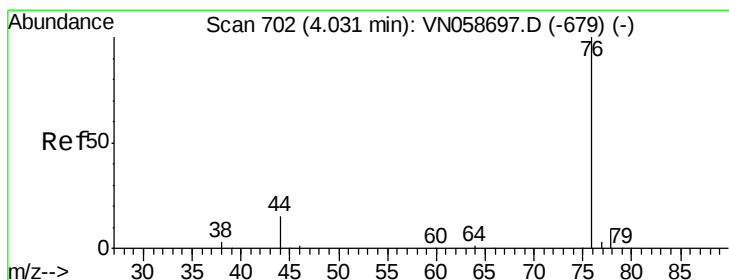
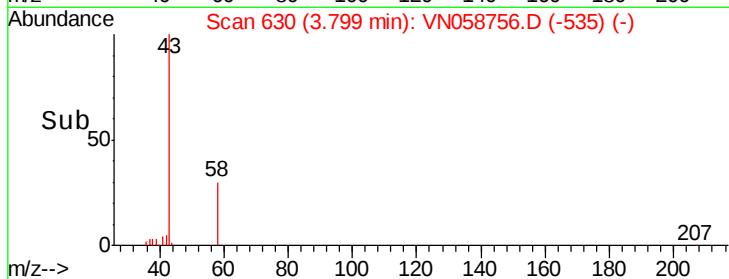
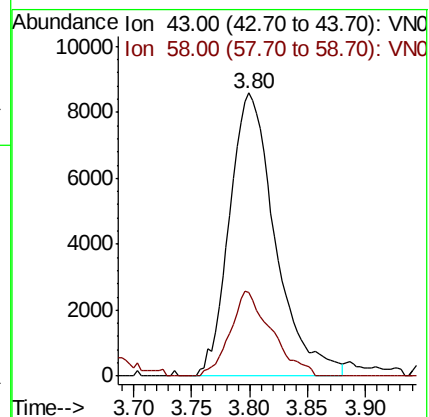
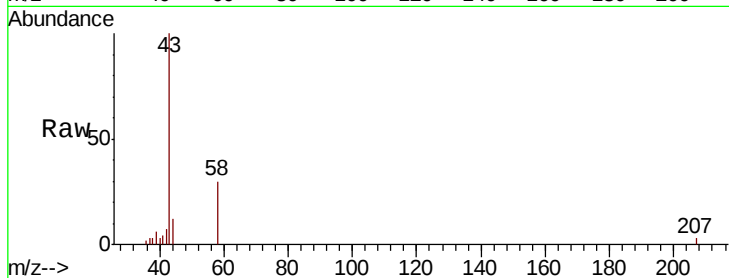
BORING-2

Tot Ion: 43 Resp: 23558

Ion Ratio Lower Upper

43 100

58 29.7 23.3 34.9



#17

Carbon Disulfide

Concen: 0.270 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058756.D

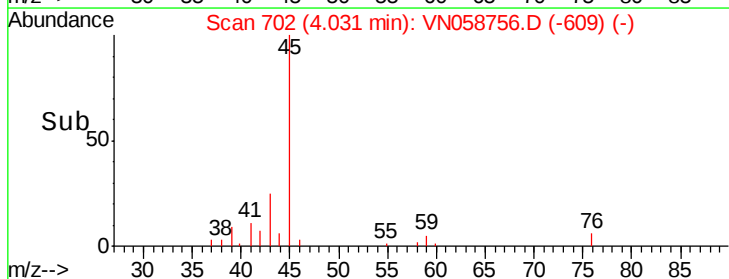
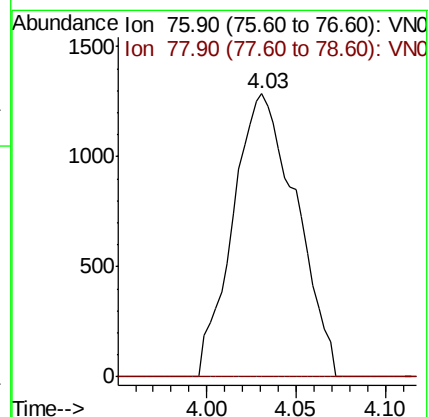
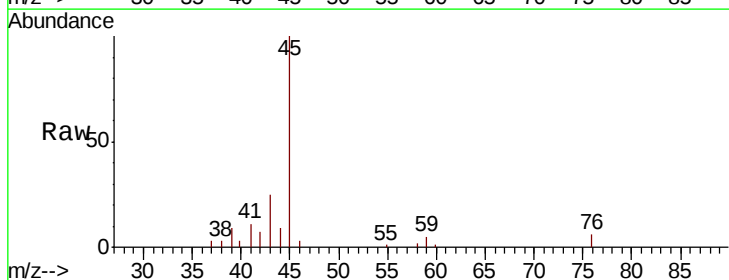
Acq: 14 Oct 2019 18:01

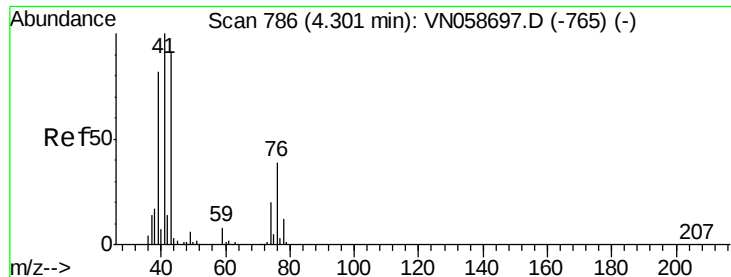
Tgt Ion: 76 Resp: 3182

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

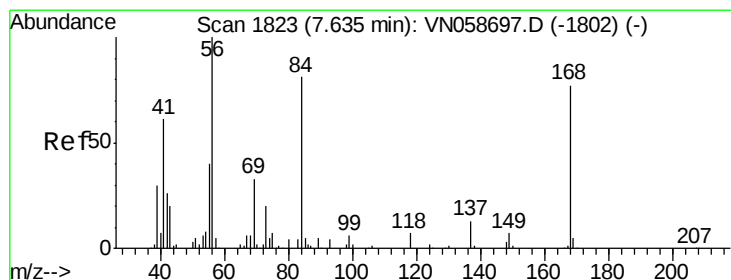
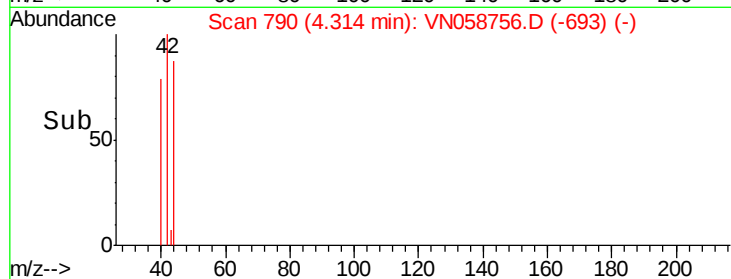
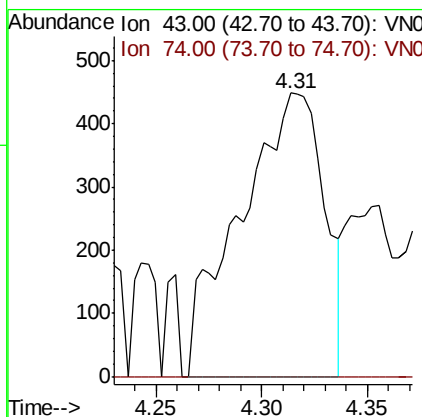
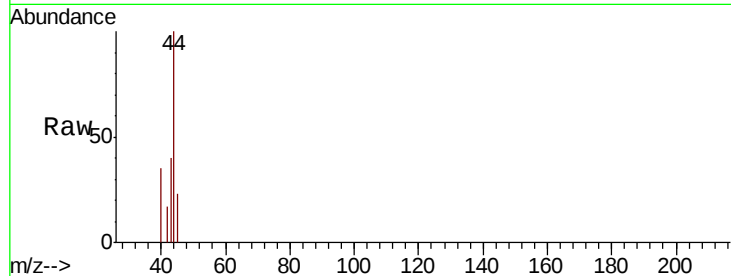




#18
Methvl Acetate
Concen: 0.222 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

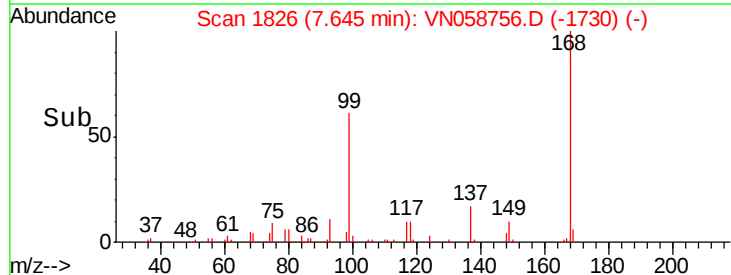
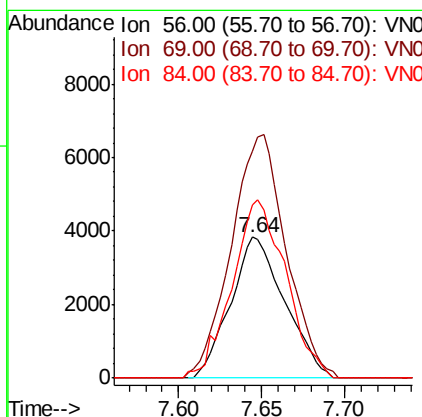
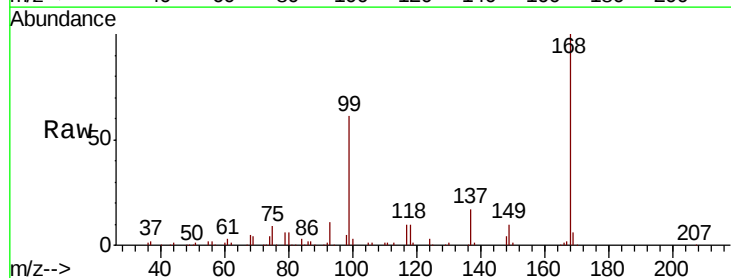
Instrument :
MSVOA_N
ClientSampled :
BORING-2

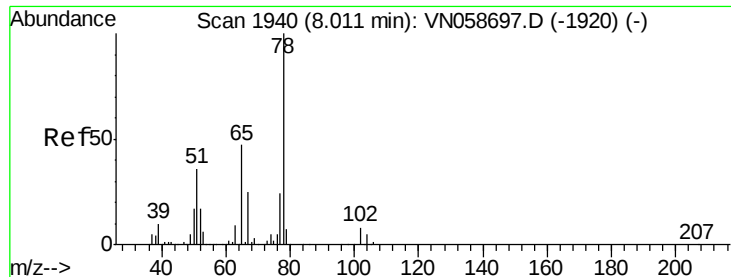
Tot Ion: 43 Resp: 1249
Ion Ratio Lower Upper
43 100
74 0.0 17.2 25.8#



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Tgt Ion: 56 Resp: 8719
Ion Ratio Lower Upper
56 100
69 161.4 26.2 39.4#
84 122.9 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: 55.238 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058756.D

Acq: 14 Oct 2019 18:01

Instrument :

MSVOA_N

ClientSampled :

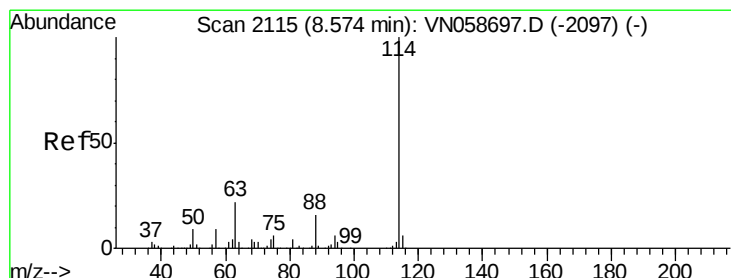
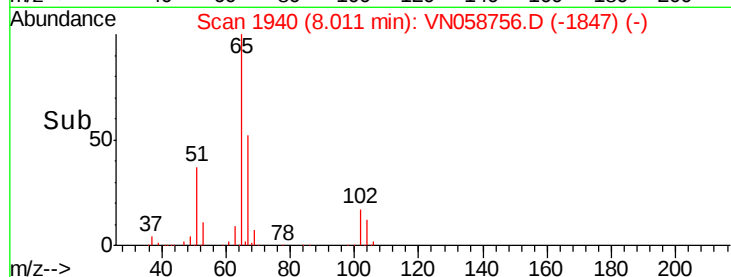
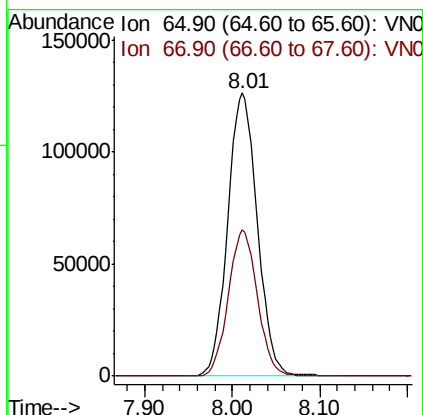
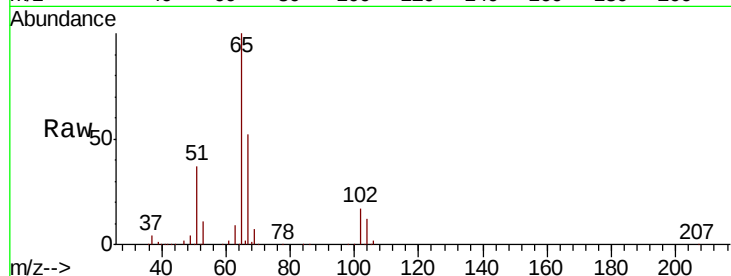
BORING-2

Tot Ion: 65 Resp: 296590

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058756.D

Acq: 14 Oct 2019 18:01

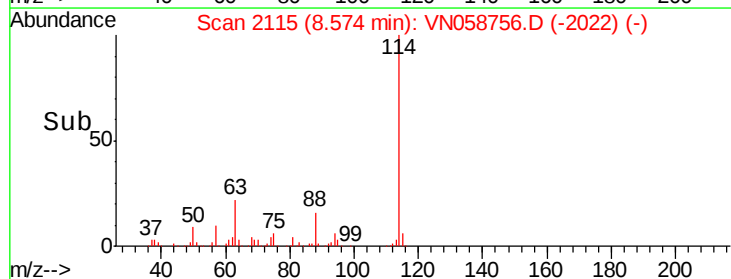
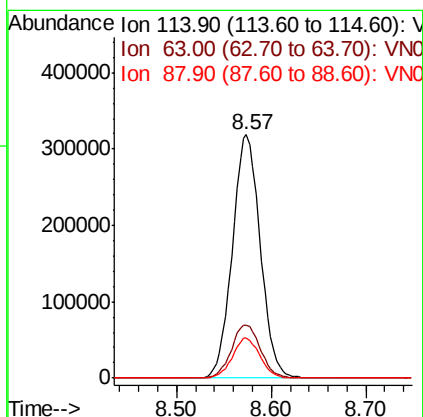
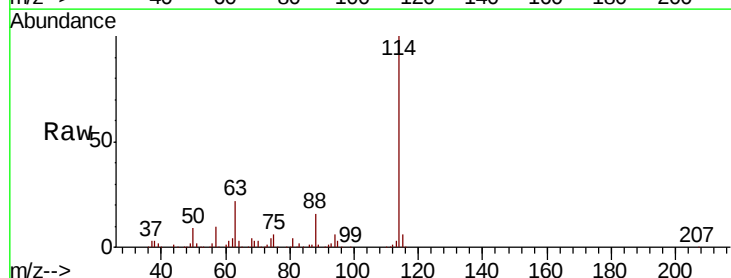
Tgt Ion: 114 Resp: 651748

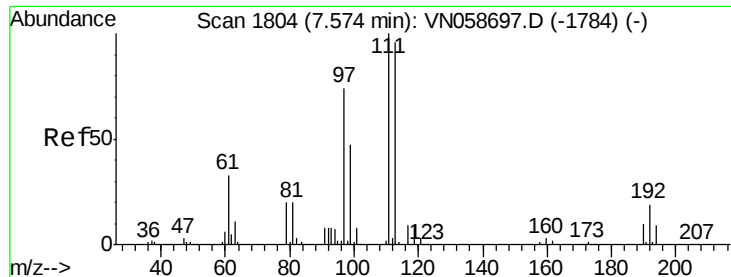
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

88 16.4 0.0 32.0

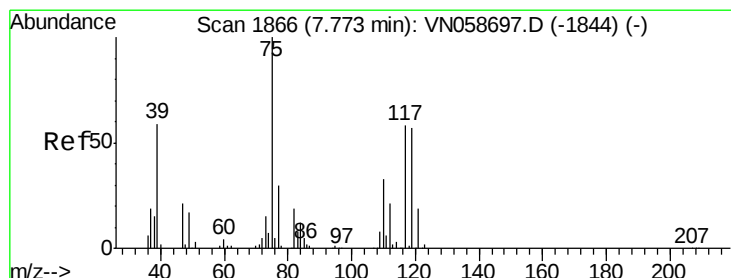
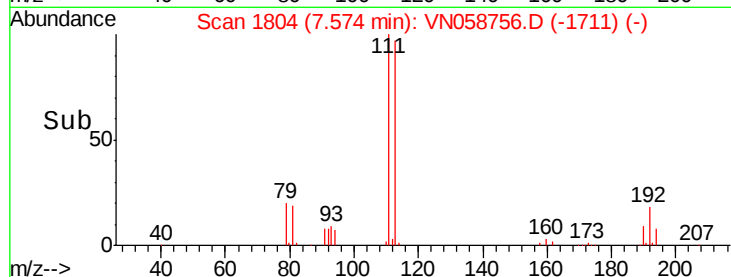
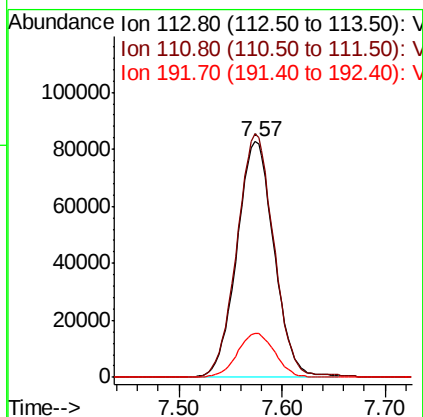
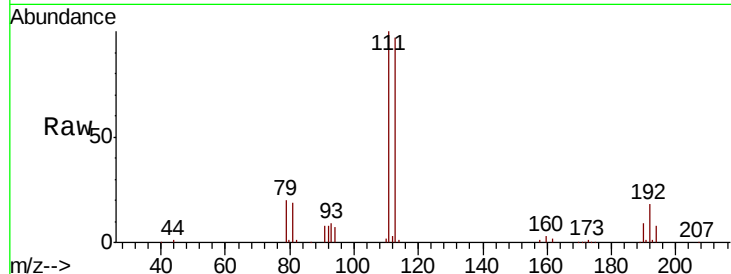




#35
 Dibromofluoromethane
 Concen: 51.569 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058756.D
 Acq: 14 Oct 2019 18:01

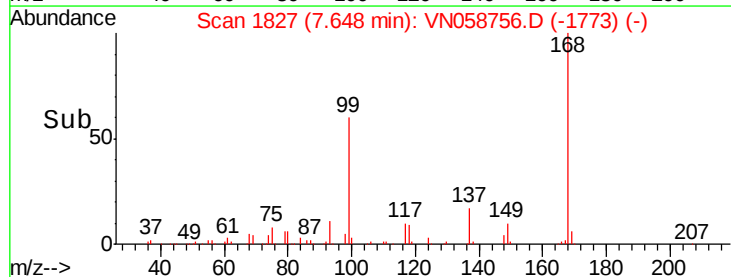
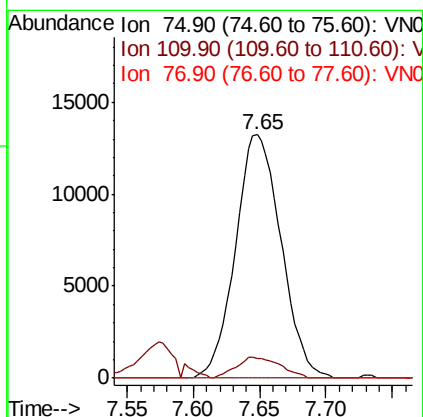
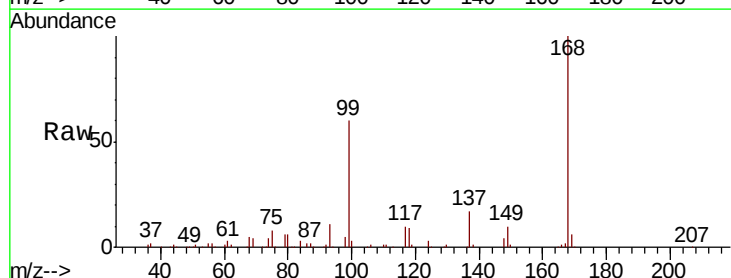
Instrument :
 MSVOA_N
 ClientSampled :
 BORING-2

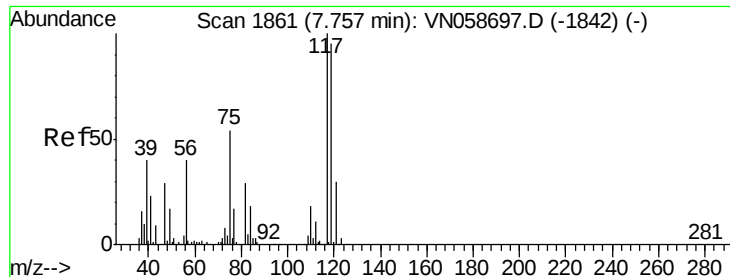
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	18.8	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 4.813 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058756.D
 Acq: 14 Oct 2019 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.6	49.8#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.857 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058756.D

Acq: 14 Oct 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

BORING-2

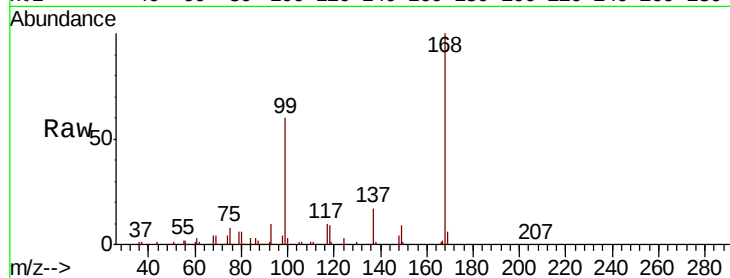
Tot Ion:117 Resp: 37616

Ion Ratio Lower Upper

117 100

119 7.0 75.7 113.5#

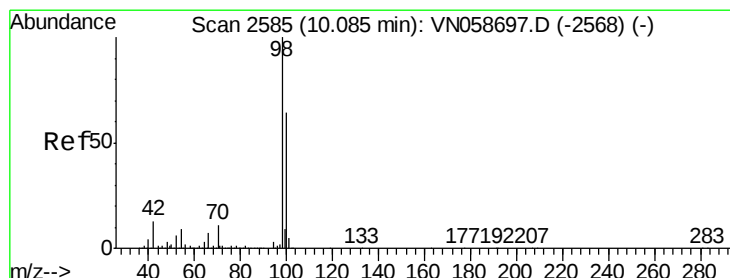
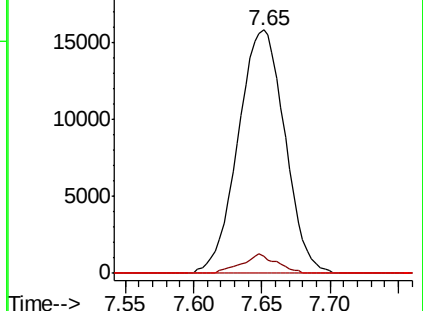
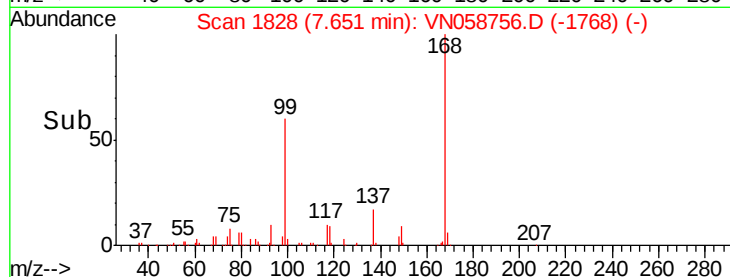
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.631 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058756.D

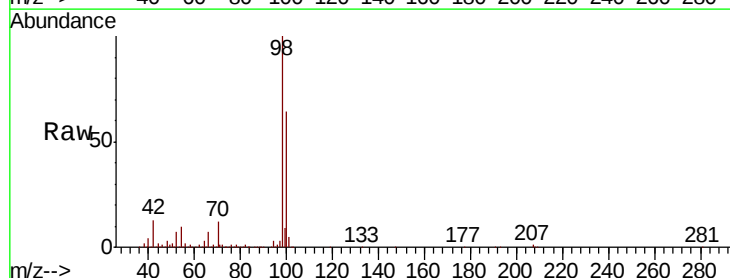
Acq: 14 Oct 2019 18:01

Tgt Ion: 98 Resp: 766772

Ion Ratio Lower Upper

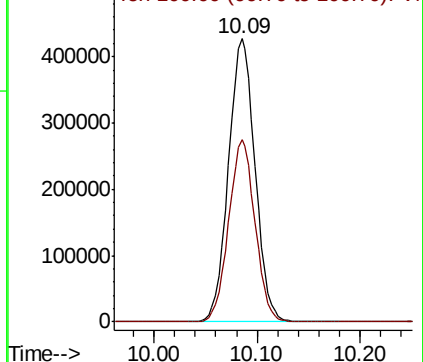
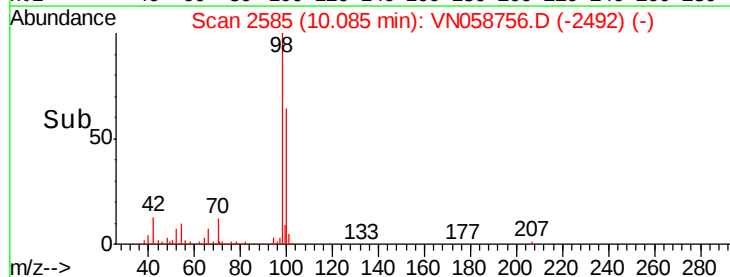
98 100

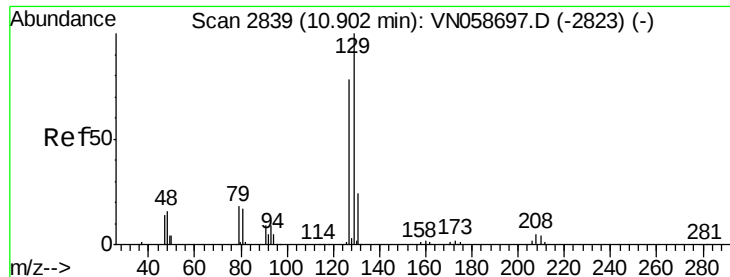
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#60

Dibromochloromethane

Concen: 1.912 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058756.D

Acq: 14 Oct 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

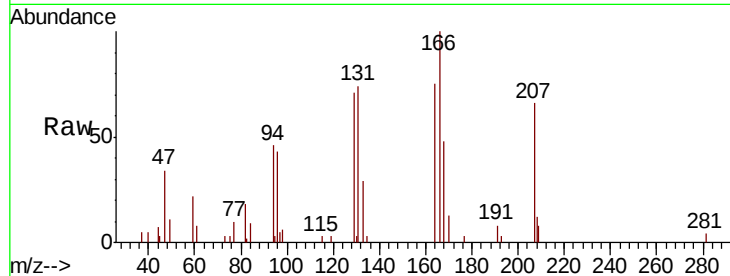
BORING-2

Tot Ion:129 Resp: 9345

Ion Ratio Lower Upper

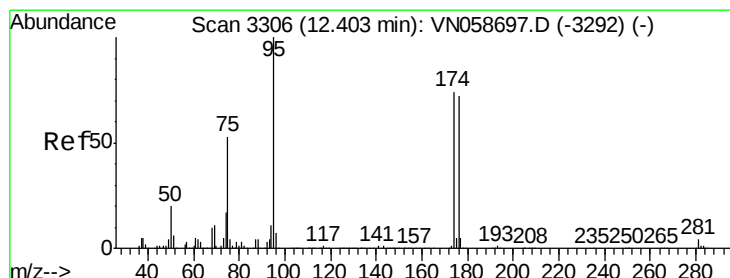
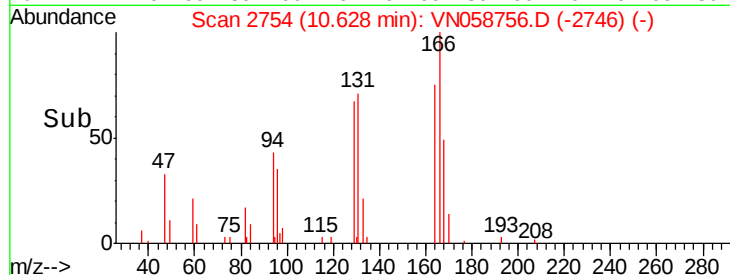
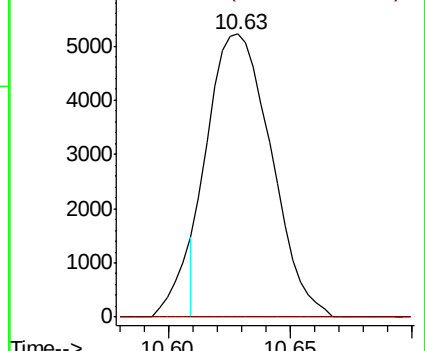
129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 41.387 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058756.D

Acq: 14 Oct 2019 18:01

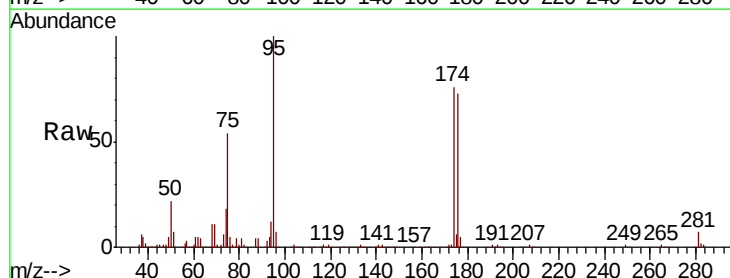
Tgt Ion: 95 Resp: 252199

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.4

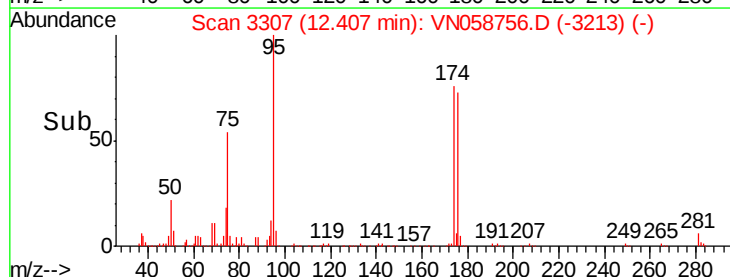
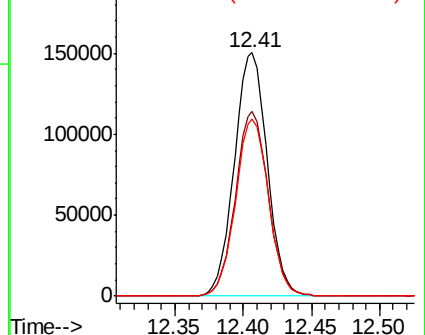
176 73.1 0.0 146.8

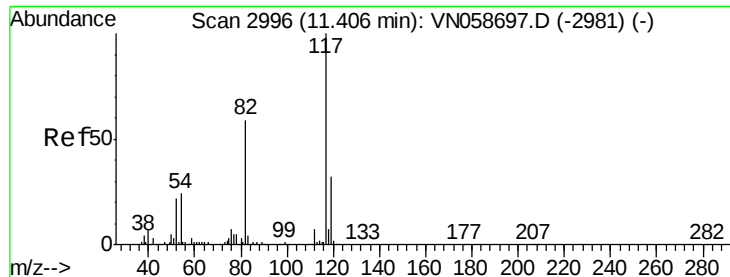


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

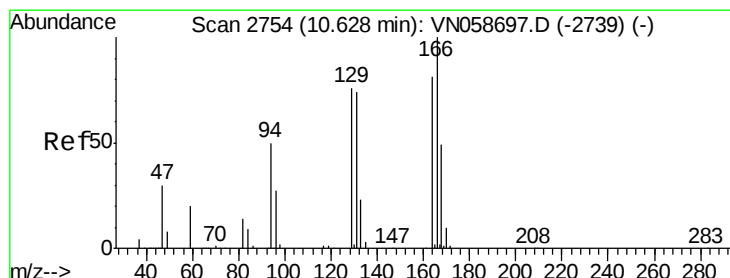
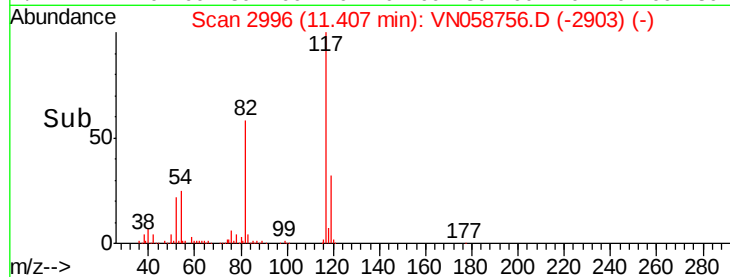
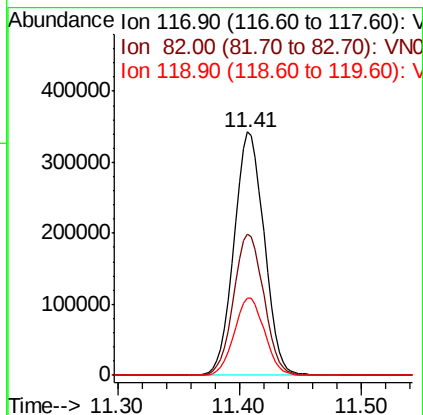
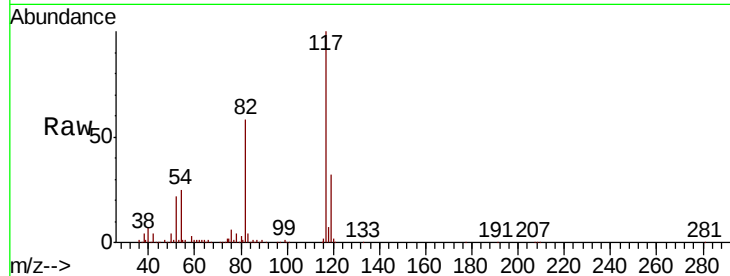




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

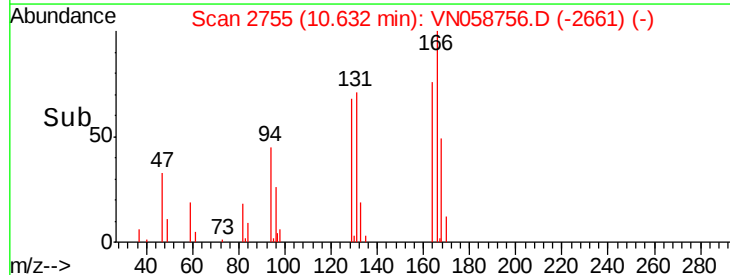
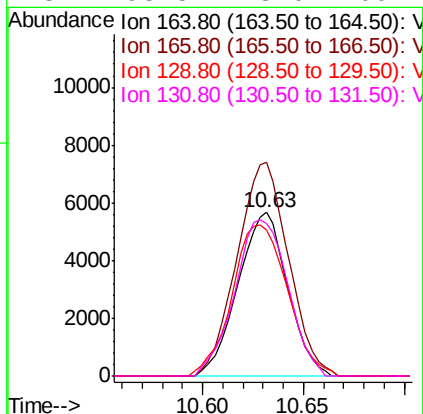
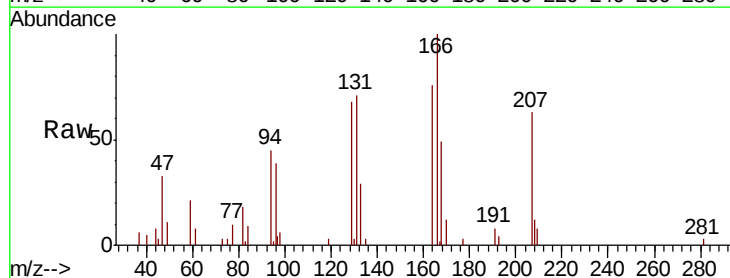
Instrument :
MSVOA_N
ClientSampleId :
BORING-2

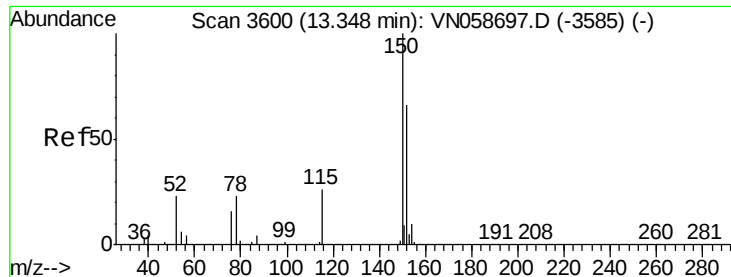
Tot Ion:117 Resp: 587636
Ion Ratio Lower Upper
117 100
82 58.0 47.0 70.4
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 2.365 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Tgt Ion:164 Resp: 9724
Ion Ratio Lower Upper
164 100
166 130.8 99.3 148.9
129 89.4 75.2 112.8
131 93.5 73.0 109.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058756.D

Acq: 14 Oct 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

BORING-2

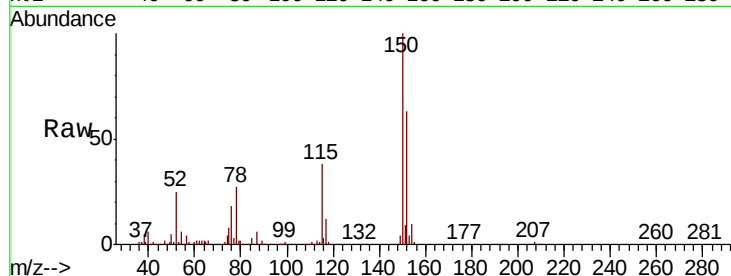
Tot Ion:152 Resp: 232873

Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.2

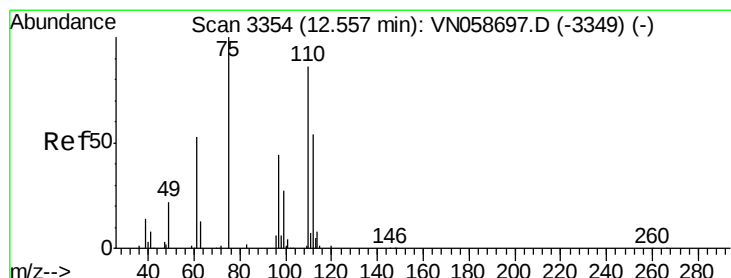
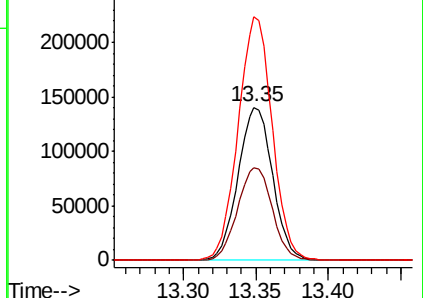
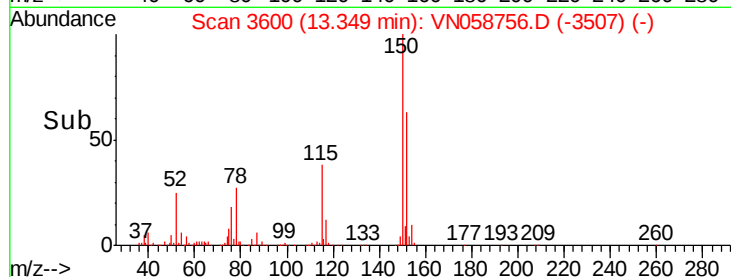
150 157.2 0.0 345.4



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



#76

1,2,3-Trichloropropane

Concen: 26.854 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058756.D

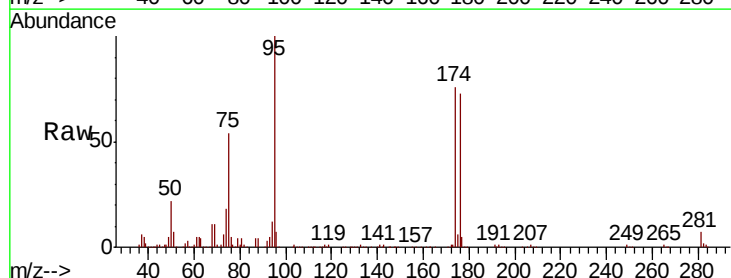
Acq: 14 Oct 2019 18:01

Tgt Ion: 75 Resp: 137186

Ion Ratio Lower Upper

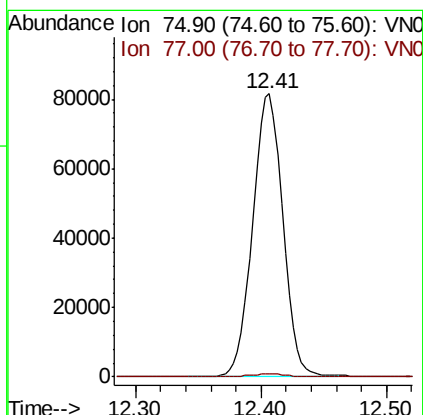
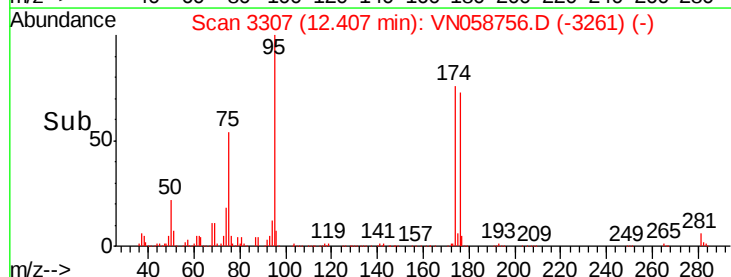
75 100

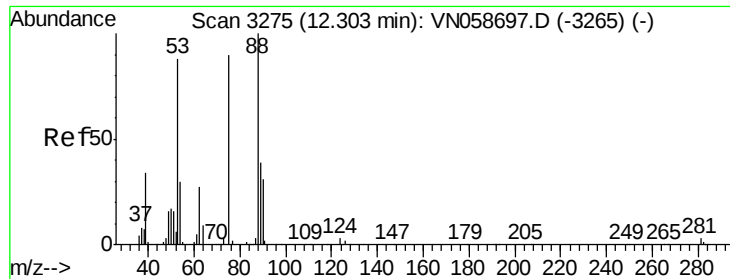
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

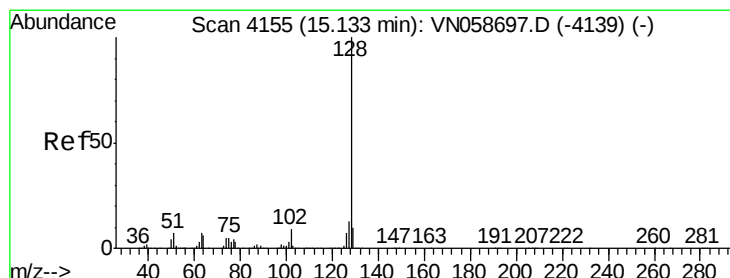
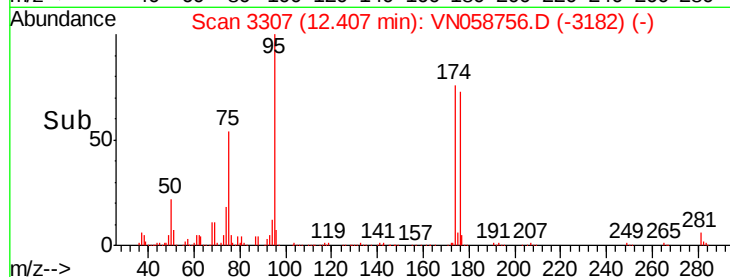
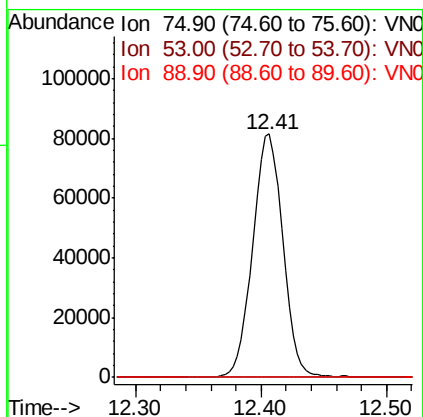
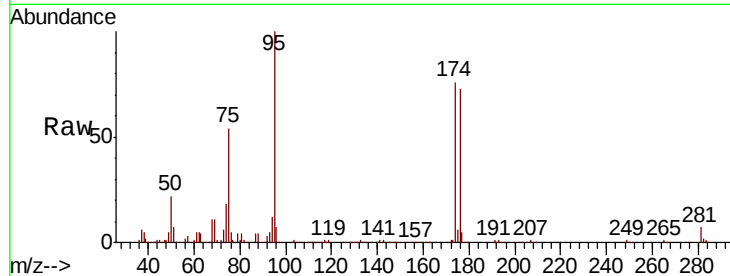




#81
trans-1,4-Dichloro-2-butene
Concen: 71.932 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Instrument :
MSVOA_N
ClientSampled :
BORING-2

Tot Ion: 75 Resp: 137186
Ion Ratio Lower Upper
75 100
53 0.0 78.4 117.6#
89 0.1 34.9 52.3#



#95
Naphthalene
Concen: 0.250 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Tgt Ion:128 Resp: 3229
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.4
129 10.0 8.5 12.7

