

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN059001.D
 Acq On : 29 Oct 2019 11:43
 Operator : JC/SP
 Sample : K5587-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CSA-2-1-9

Quant Time: Oct 30 03:35:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

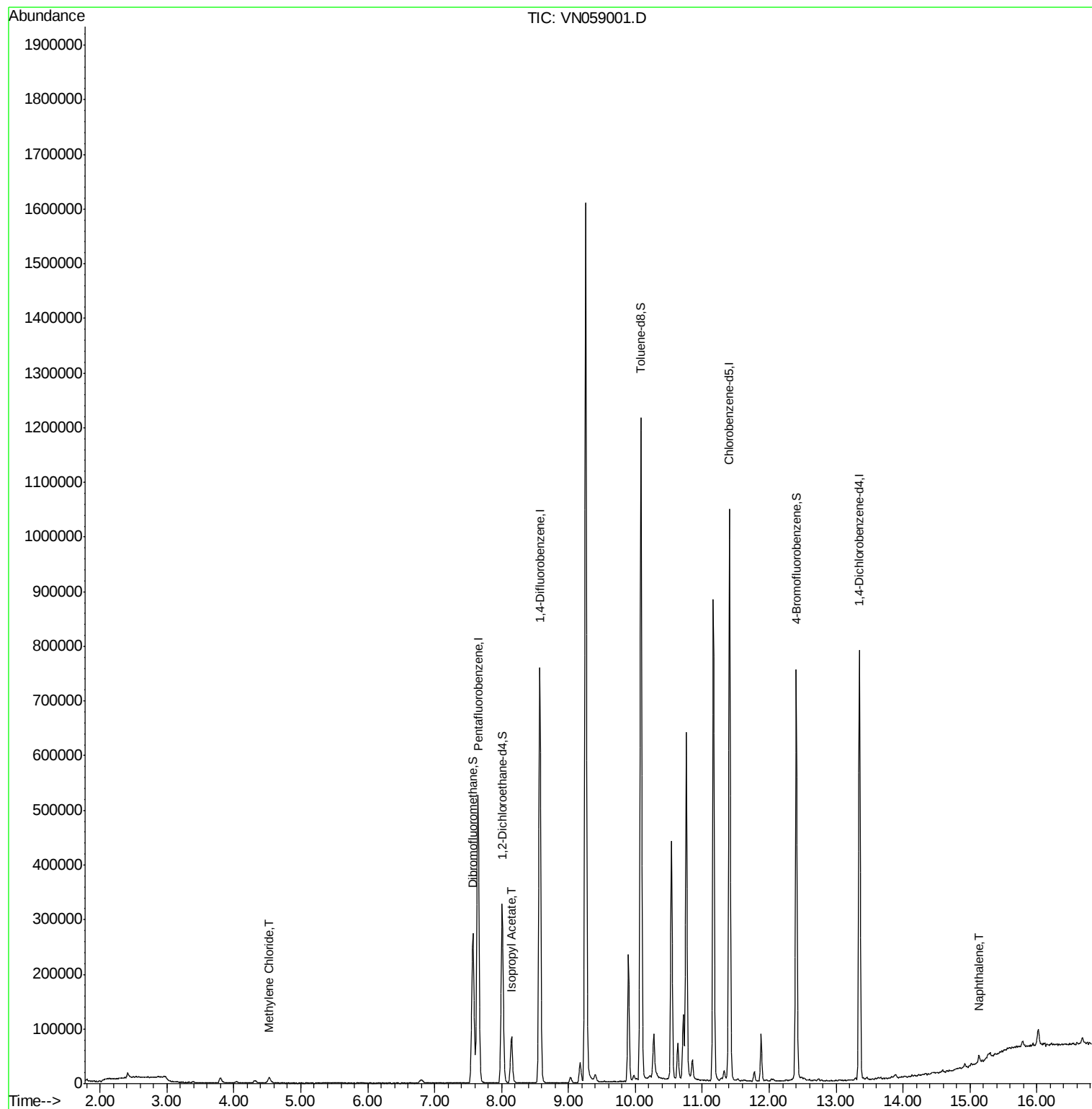
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	424837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	661547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	591088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	209928	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	283759	45.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.08%	
35) Dibromofluoromethane	7.57	113	210786	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
50) Toluene-d8	10.08	98	832151	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	261285	42.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.28%	
Target Compounds						
20) Methylene Chloride	4.53	84	7712	1.467	ug/l	89
43) Isopropyl Acetate	8.15	43	99171	8.379	ug/l #	92
95) Naphthalene	15.14	128	9300	2.964	ug/l	99

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

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QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059001.D

Acq: 29 Oct 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

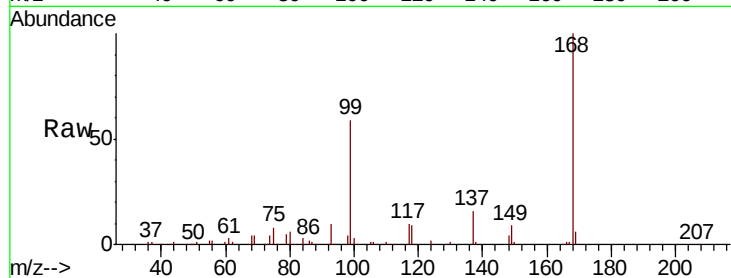
CSA-2-1-9

Tot Ion:168 Resp: 424837

Ion Ratio Lower Upper

168 100

99 58.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

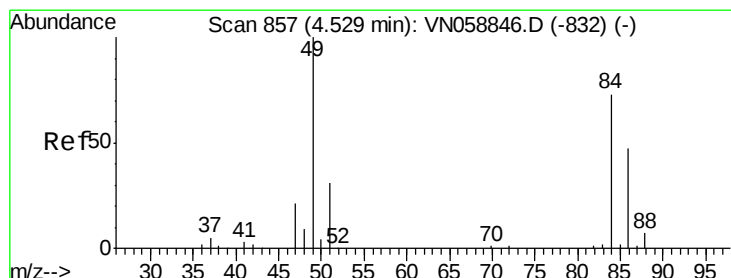
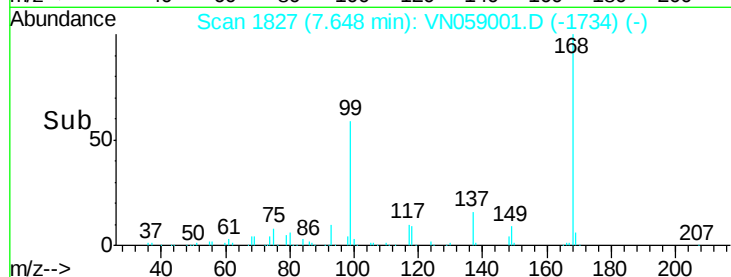
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#20

Methylene Chloride

Concen: 1.467 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN059001.D

Acq: 29 Oct 2019 11:43

Tgt Ion: 84 Resp: 7712

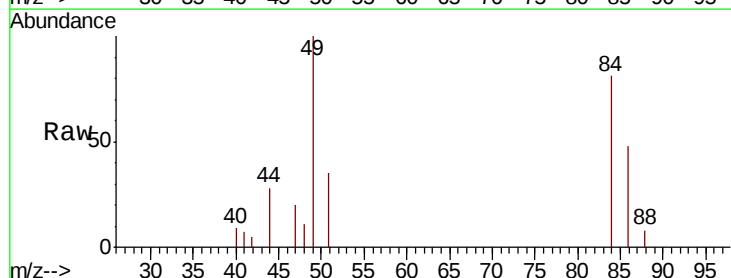
Ion Ratio Lower Upper

84 100

49 116.9 109.6 164.4

51 43.2 33.8 50.6

86 59.3 51.5 77.3



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

5000

4000

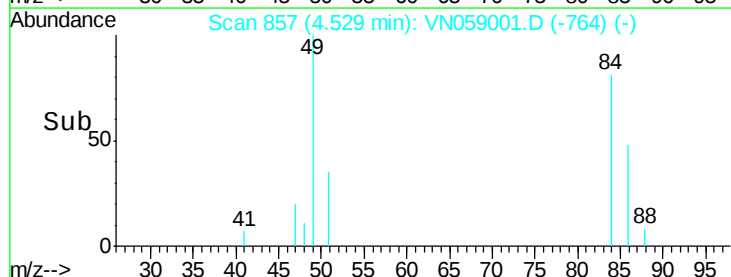
3000

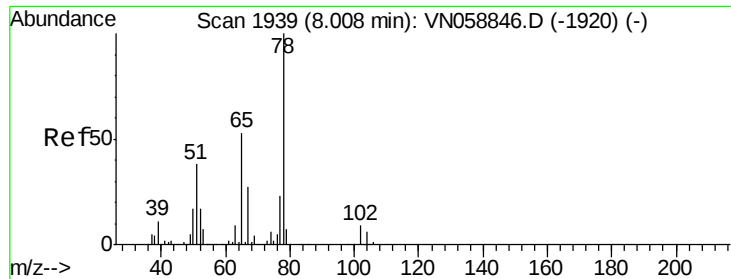
2000

1000

0

Time--> 4.45 4.50 4.55 4.60





#33

1,2-Dichloroethane-d4

Concen: 45.541 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059001.D

Acq: 29 Oct 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

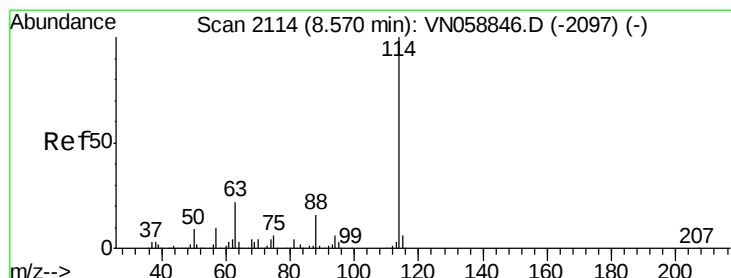
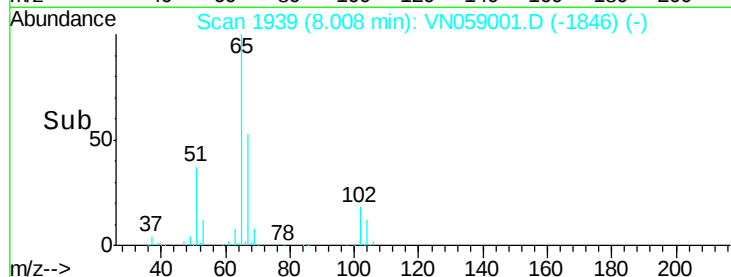
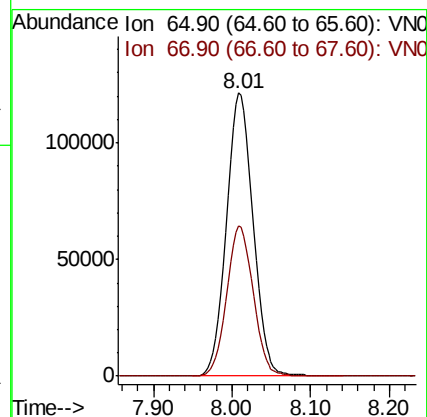
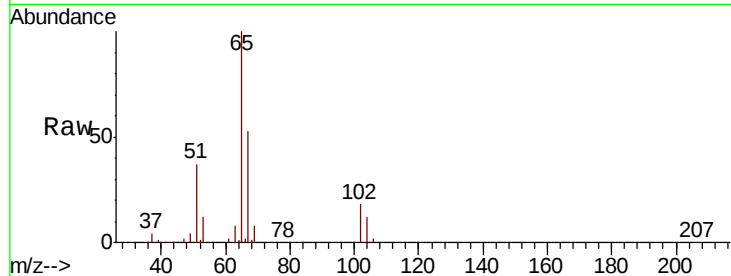
CSA-2-1-9

Tot Ion: 65 Resp: 283759

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059001.D

Acq: 29 Oct 2019 11:43

Tgt Ion: 114 Resp: 661547

Ion Ratio Lower Upper

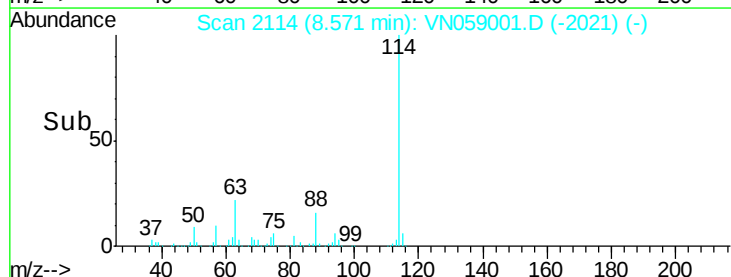
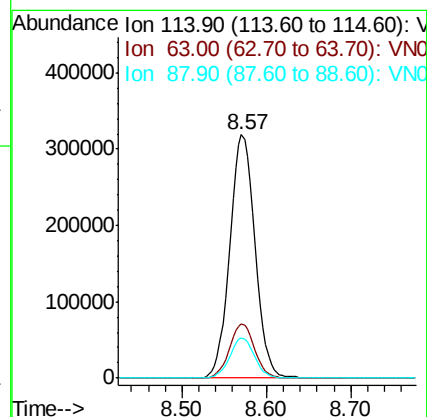
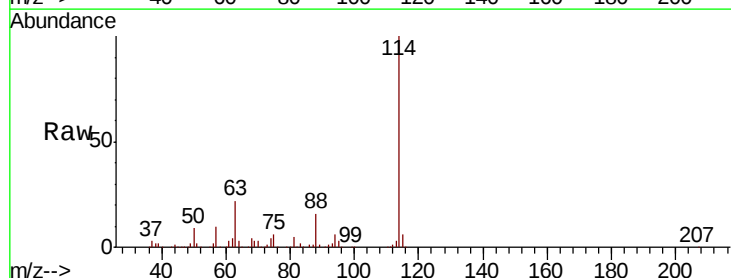
114 100

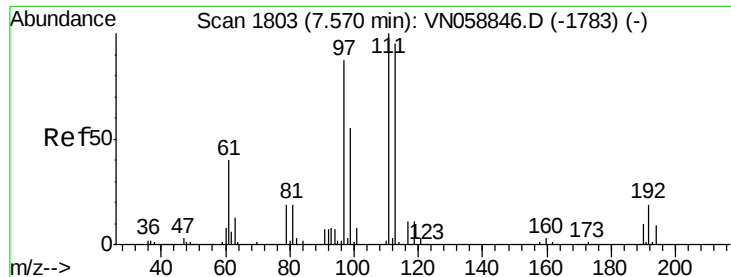
63 22.3

0.0 44.4

88 16.5

0.0 31.4

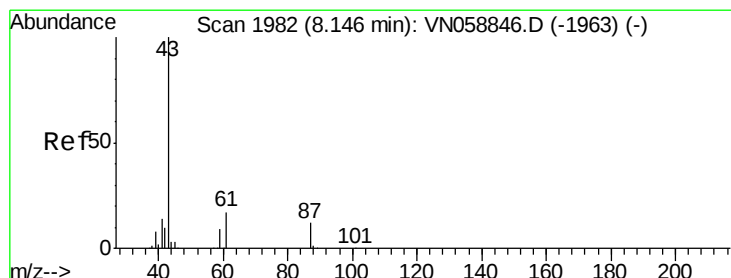
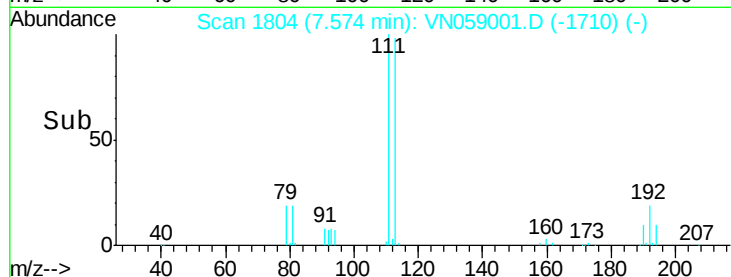
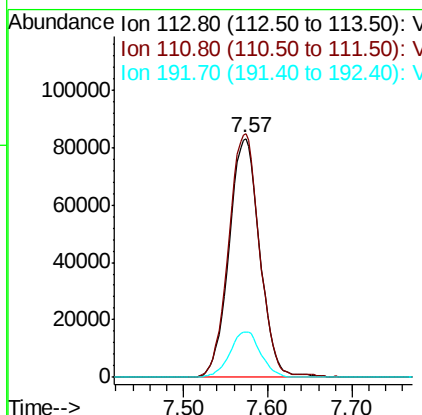
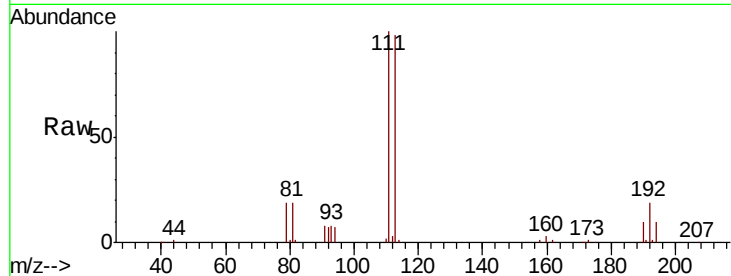




#35
 Dibromofluoromethane
 Concen: 48.462 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN059001.D
 Acq: 29 Oct 2019 11:43

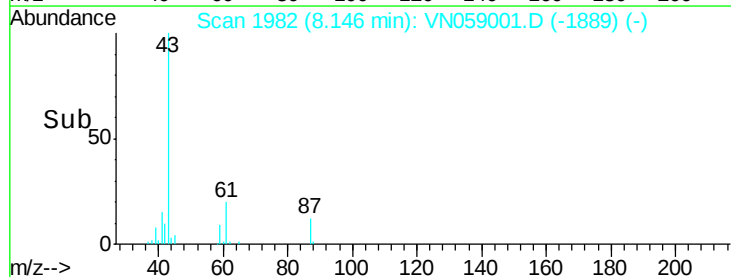
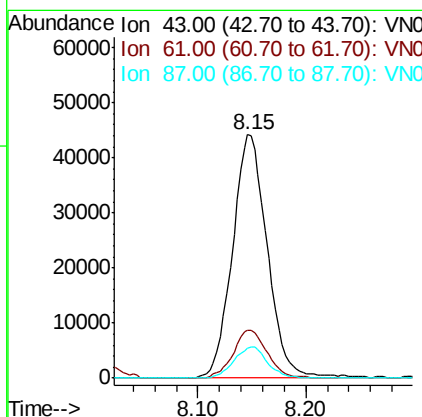
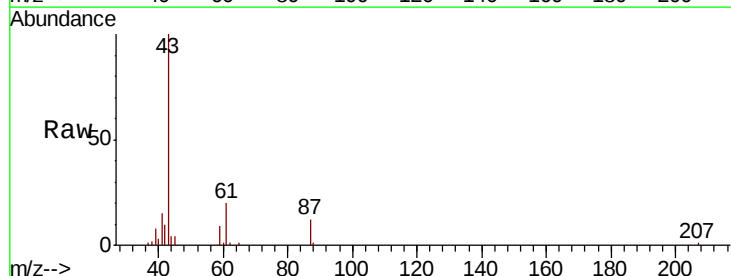
Instrument :
 MSVOA_N
 ClientSampled :
 CSA-2-1-9

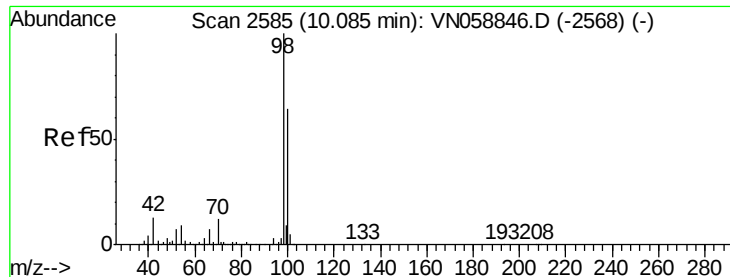
Tot Ion:113 Resp: 210786
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.0 123.0
 192 19.2 15.0 22.6



#43
 Isopropyl Acetate
 Concen: 8.379 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059001.D
 Acq: 29 Oct 2019 11:43

Tgt Ion: 43 Resp: 99171
 Ion Ratio Lower Upper
 43 100
 61 19.3 20.2 30.2#
 87 12.2 9.5 14.3





#50

Toluene-d8

Concen: 49.286 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059001.D

Acq: 29 Oct 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

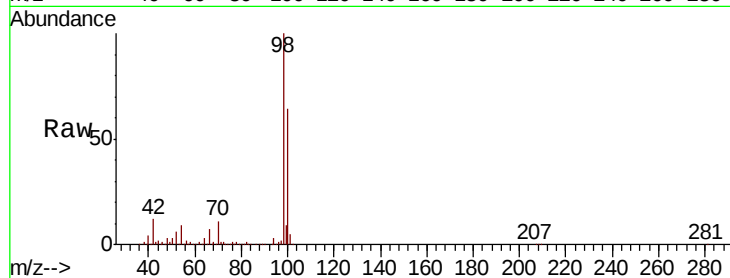
CSA-2-1-9

Tot Ion: 98 Resp: 832151

Ion Ratio Lower Upper

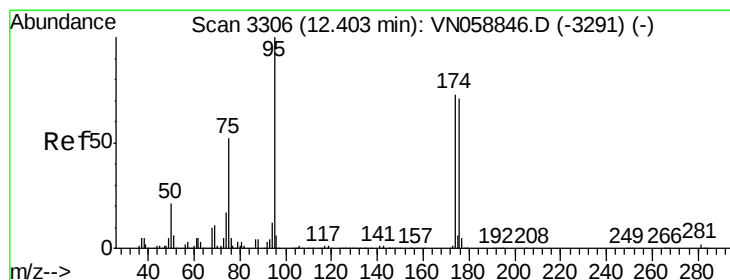
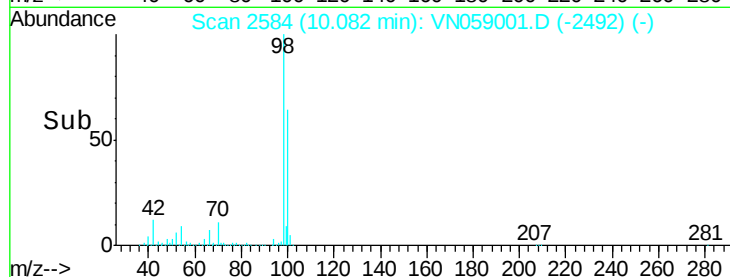
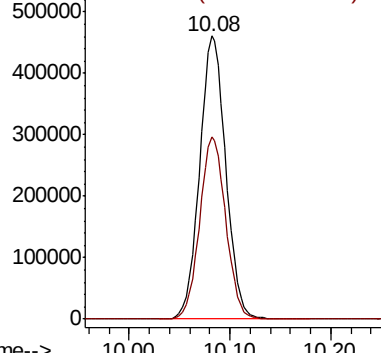
98 100

100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 42.141 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059001.D

Acq: 29 Oct 2019 11:43

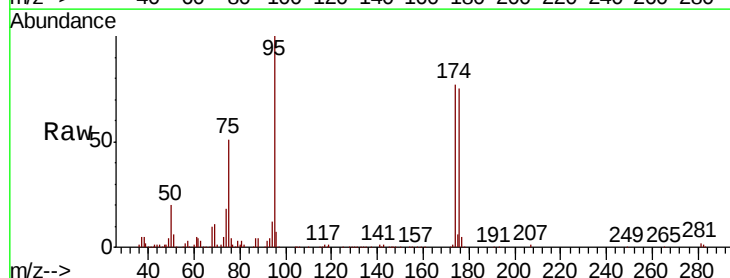
Tgt Ion: 95 Resp: 261285

Ion Ratio Lower Upper

95 100

174 76.7 0.0 147.6

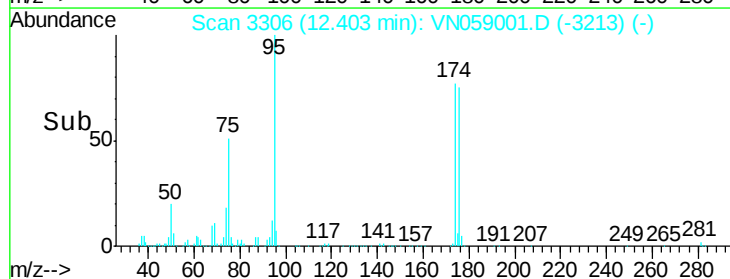
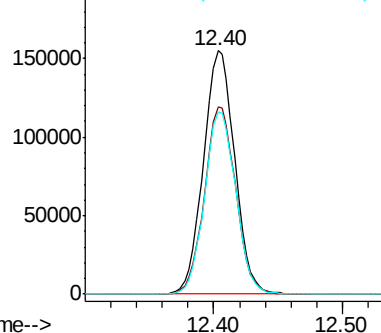
176 75.0 0.0 143.2

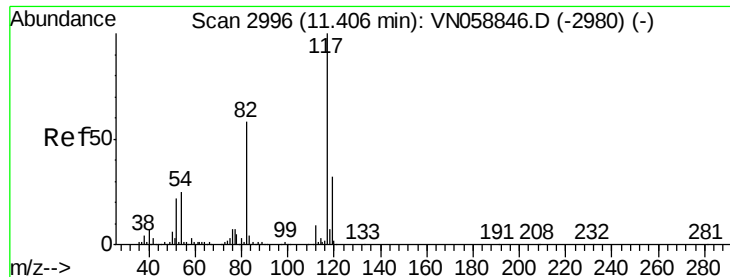


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

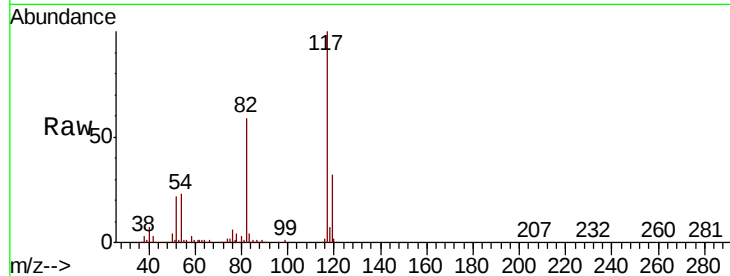




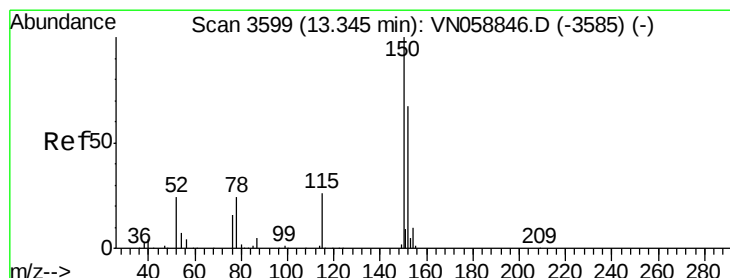
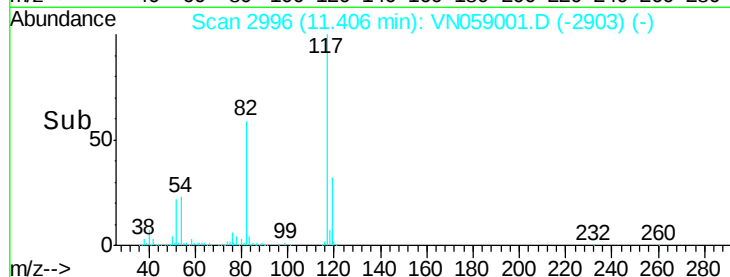
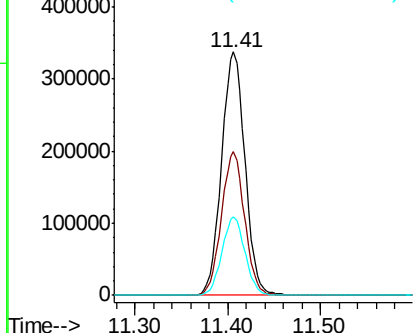
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059001.D
Acq: 29 Oct 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
CSA-2-1-9

Tot Ion:117 Resp: 591088
Ion Ratio Lower Upper
117 100
82 58.9 46.6 69.8
119 32.1 25.6 38.4

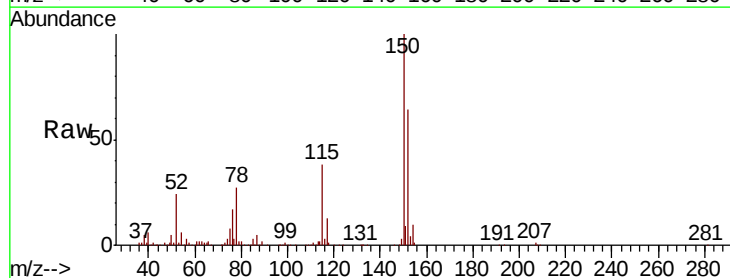


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

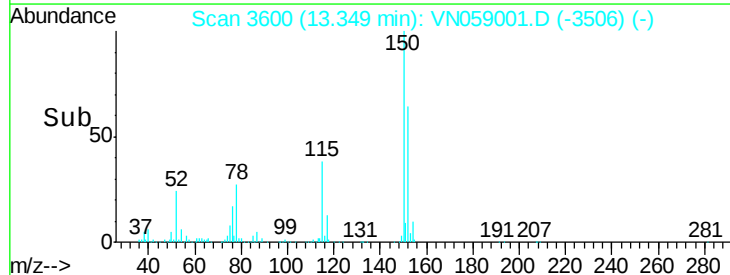
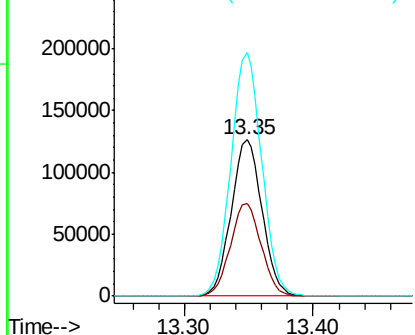


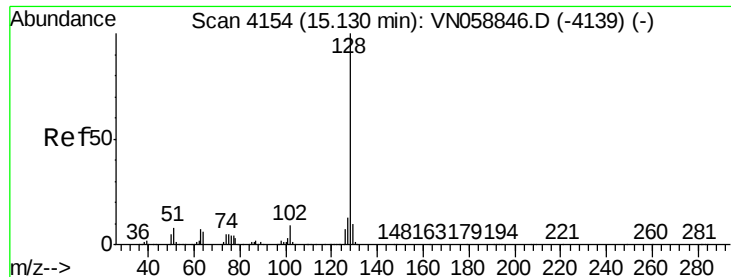
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059001.D
Acq: 29 Oct 2019 11:43

Tgt Ion:152 Resp: 209928
Ion Ratio Lower Upper
152 100
115 59.4 30.5 91.5
150 155.9 0.0 344.4



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





#95

Naphthalene

Concen: 2.964 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN059001.D

Acq: 29 Oct 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

CSA-2-1-9

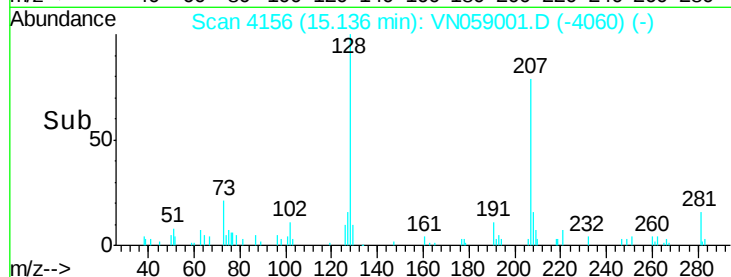
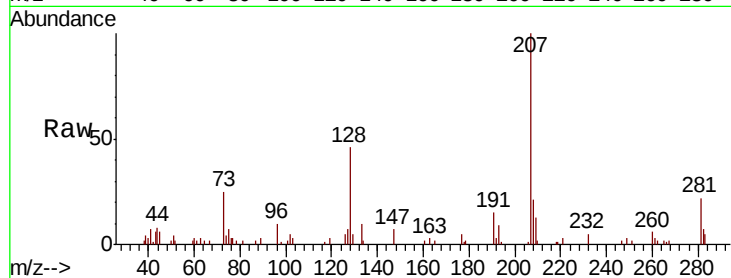
Tot Ion:128 Resp: 9300

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

129 10.3 8.4 12.6



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

