

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057810.D
 Acq On : 9 Sep 2019 19:07
 Operator : JC/SP
 Sample : K4751-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 07:09:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

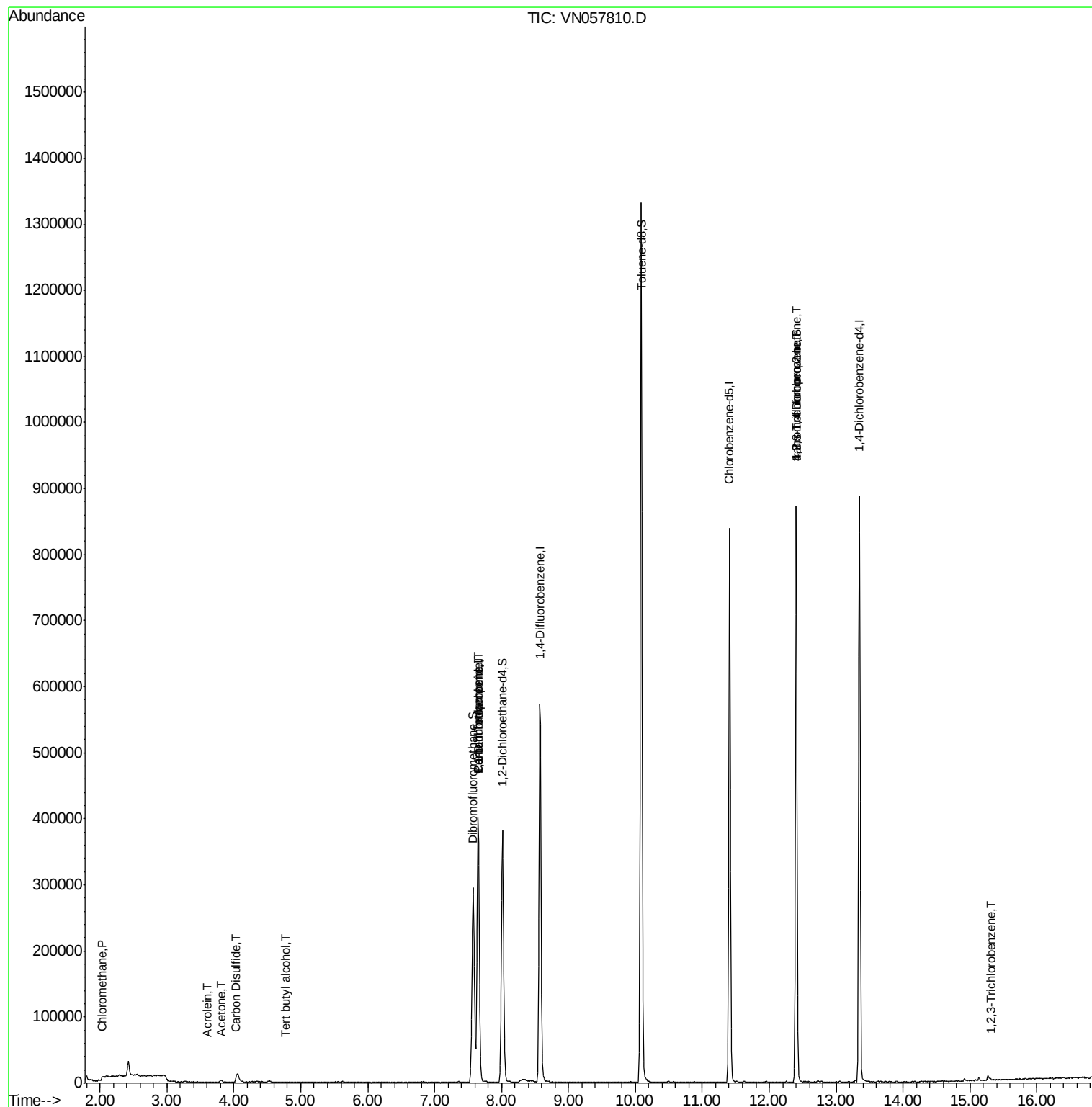
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	303805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	501453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	226225	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	326368	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
35) Dibromofluoromethane	7.58	113	223262	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
50) Toluene-d8	10.09	98	906117	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.40	95	290222	42.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.76%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	2068	0.483	ug/l	99
5) Bromomethane	2.55	94	780	Below Cal	#	53
11) Tert butyl alcohol	4.77	59	310	0.416	ug/l #	72
13) Acrolein	3.61	56	143	0.226	ug/l #	14
16) Acetone	3.81	43	5547	2.750	ug/l	97
17) Carbon Disulfide	4.02	76	1033	0.363	ug/l #	75
20) Methylene Chloride	4.53	84	1375	Below Cal	#	64
31) Cyclohexane	7.65	56	8378	Below Cal	#	24
36) 1,1-Dichloropropene	7.65	75	25727	4.424	ug/l #	50
38) Carbon Tetrachloride	7.65	117	32894	6.195	ug/l #	16
76) 1,2,3-Trichloropropane	12.40	75	156429	30.567	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	156429	107.565	ug/l #	6
95) Naphthalene	15.14	128	3828	Below Cal		97
96) 1,2,3-Trichlorobenzene	15.31	180	991	1.210	ug/l #	85

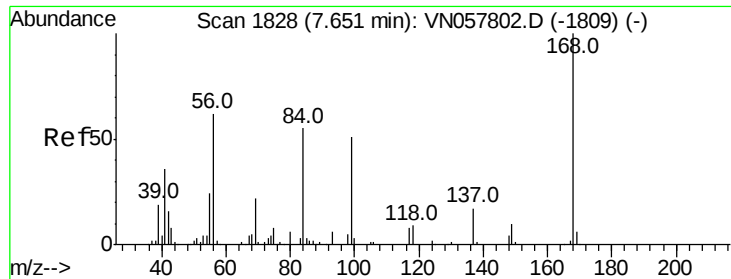
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091019\
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QLast Update : Tue Sep 10 03:02:13 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057810.D

Acq: 9 Sep 2019 19:07

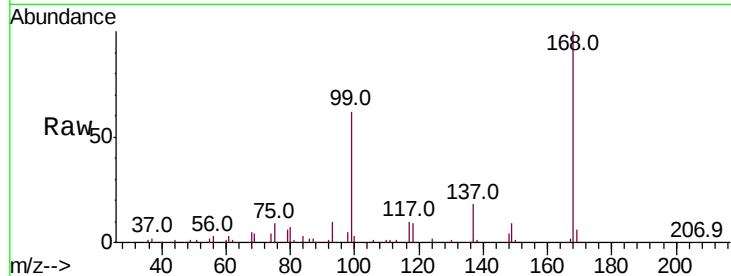
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 303805

Ion Ratio Lower Upper

168 100

99 62.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

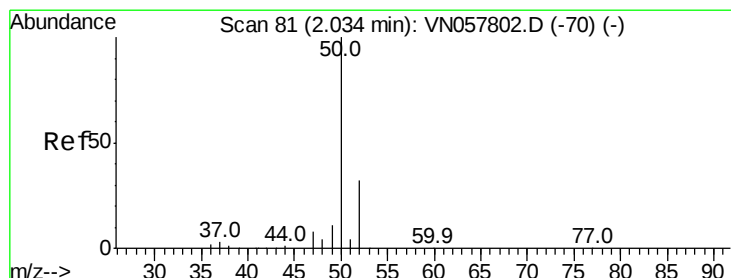
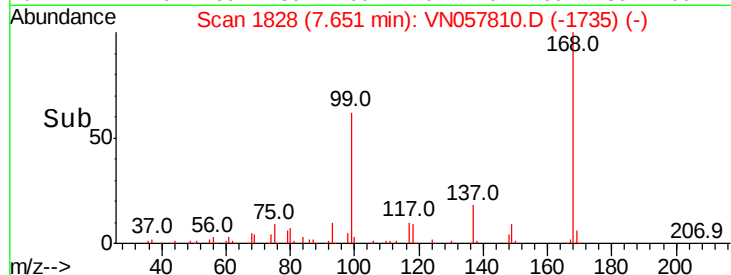
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.483 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057810.D

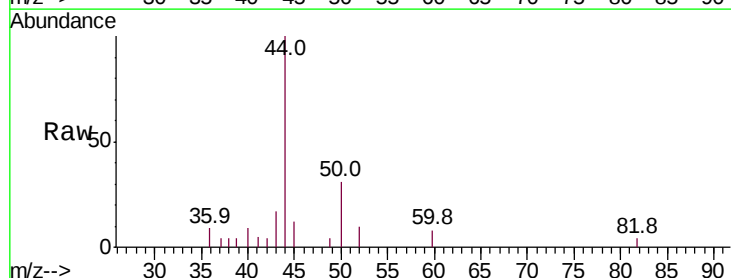
Acq: 9 Sep 2019 19:07

Tgt Ion: 50 Resp: 2068

Ion Ratio Lower Upper

50 100

52 32.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

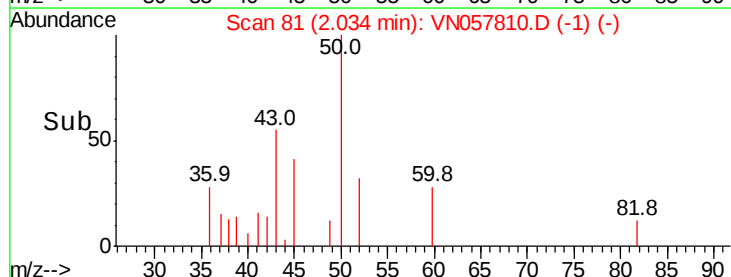
1500

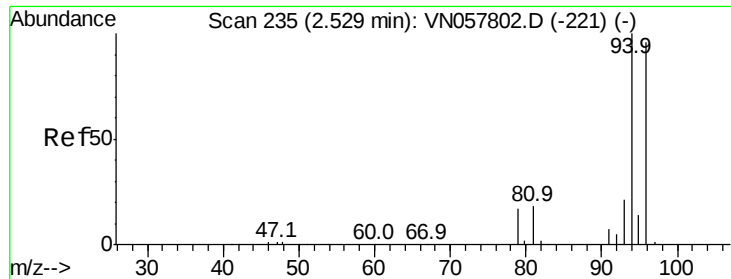
1000

500

0

Time-->

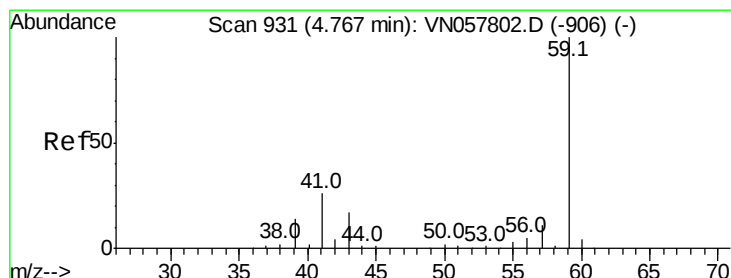
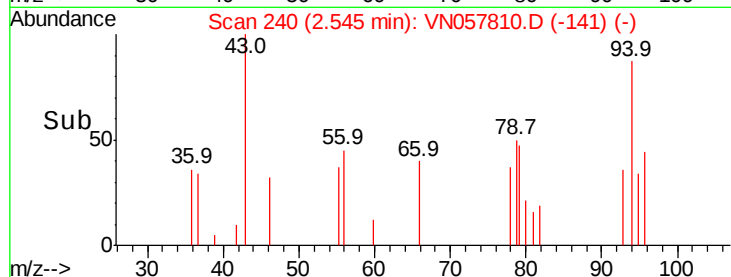
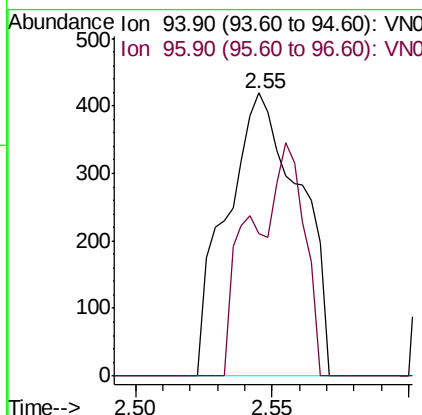
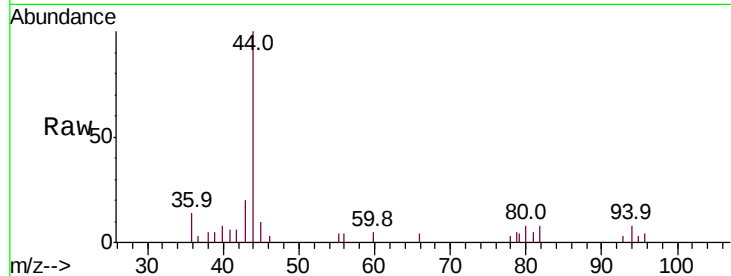




#5
Bromomethane
Concen: Below Cal
RT: 2.55 min Scan# 240
Delta R.T. 0.02 min
Lab File: VN057810.D
Acq: 9 Sep 2019 19:07

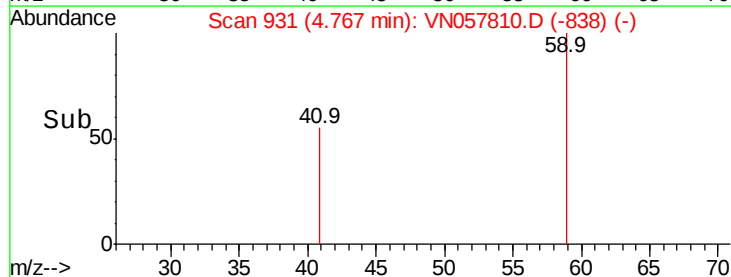
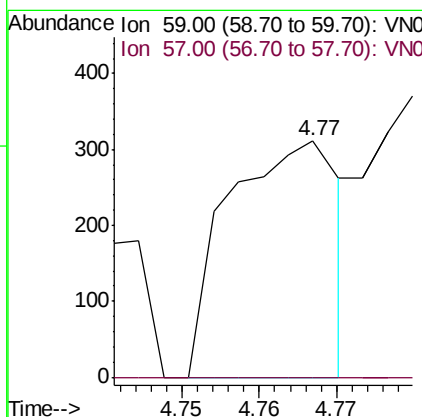
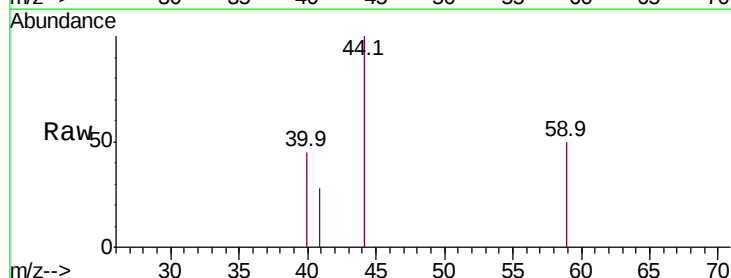
Instrument :
MSVOA_N
ClientSampled :

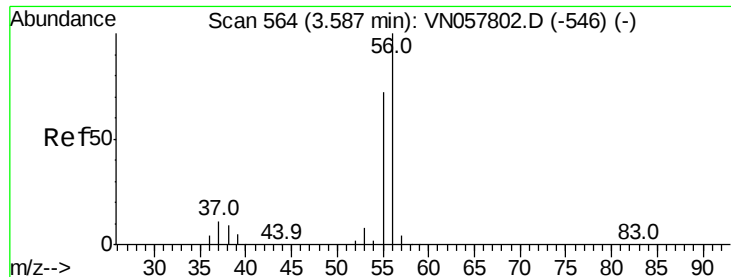
Tot Ion: 94 Resp: 780
Ion Ratio Lower Upper
94 100
96 50.1 77.0 115.4#



#11
Tert butyl alcohol
Concen: 0.416 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057810.D
Acq: 9 Sep 2019 19:07

Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 0.226 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.02 min

Lab File: VN057810.D

Acq: 9 Sep 2019 19:07

Instrument :

MSVOA_N

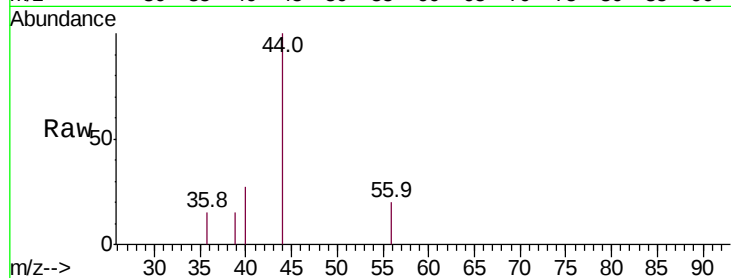
ClientSampled :

Tot Ion: 56 Resp: 143

Ion Ratio Lower Upper

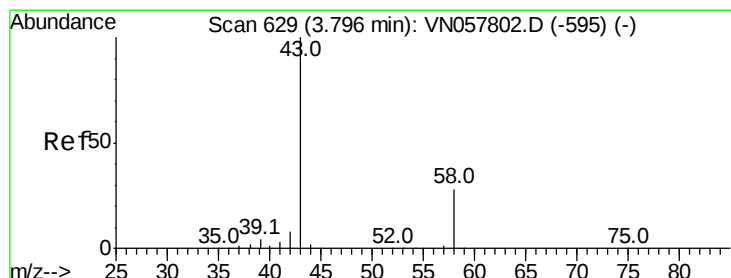
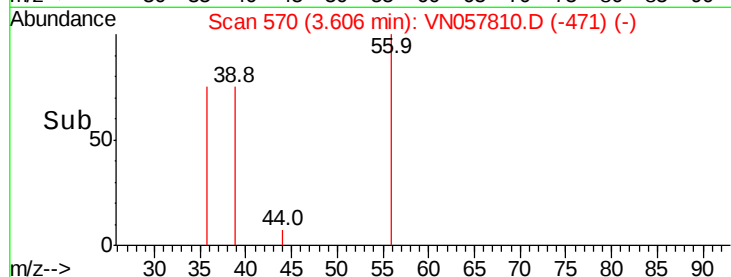
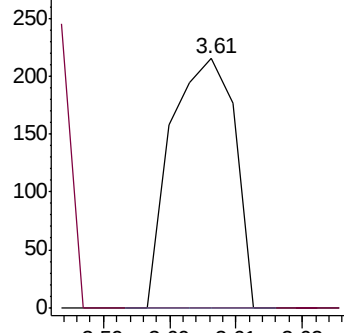
56 100

55 0.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 2.750 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057810.D

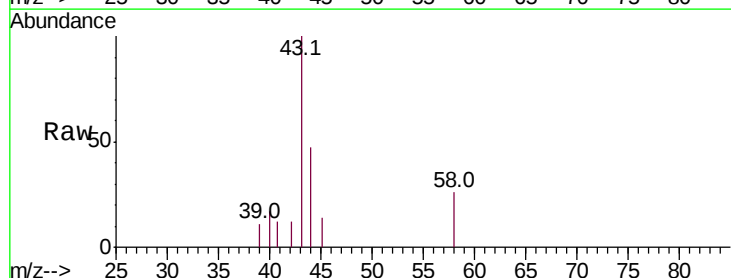
Acq: 9 Sep 2019 19:07

Tgt Ion: 43 Resp: 5547

Ion Ratio Lower Upper

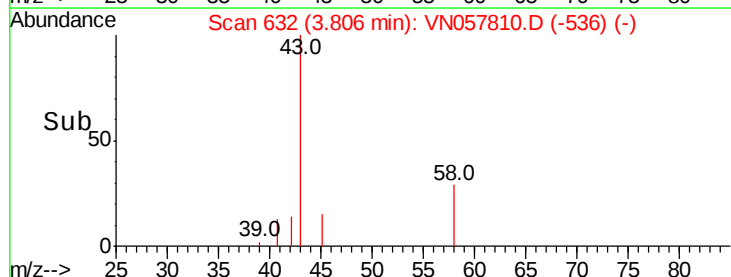
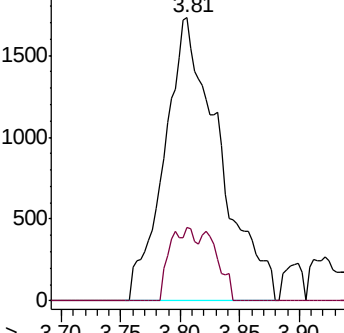
43 100

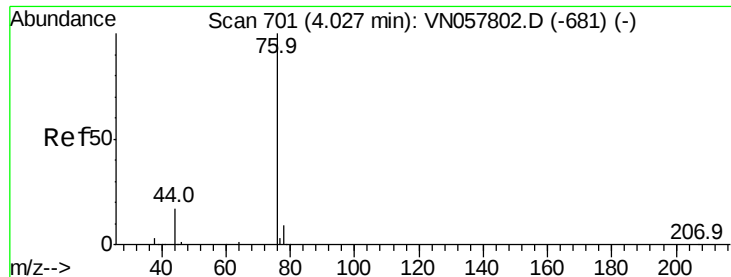
58 26.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.363 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN057810.D

Acq: 9 Sep 2019 19:07

Instrument :

MSVOA_N

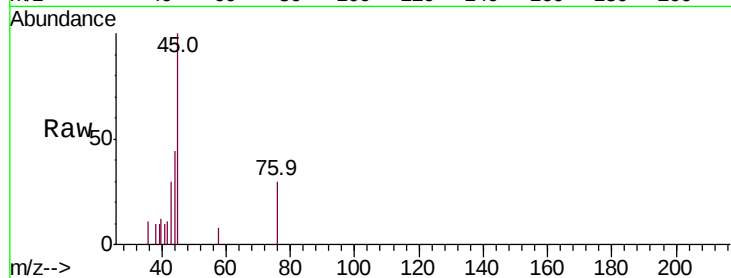
ClientSampled :

Tot Ion: 76 Resp: 1033

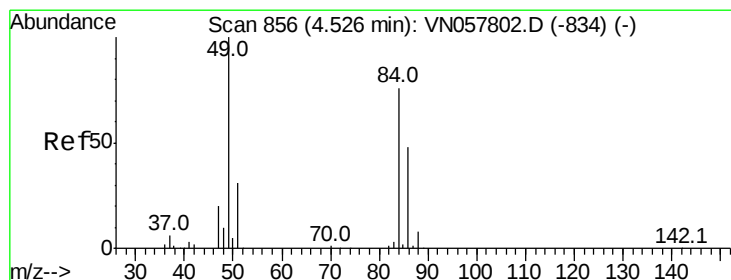
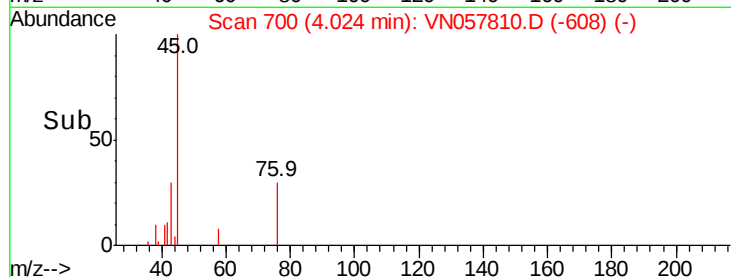
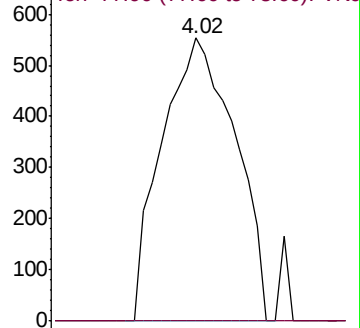
Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VNO



#20

Methylene Chloride

Concen: Below Cal

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN057810.D

Acq: 9 Sep 2019 19:07

Tgt Ion: 84 Resp: 1375

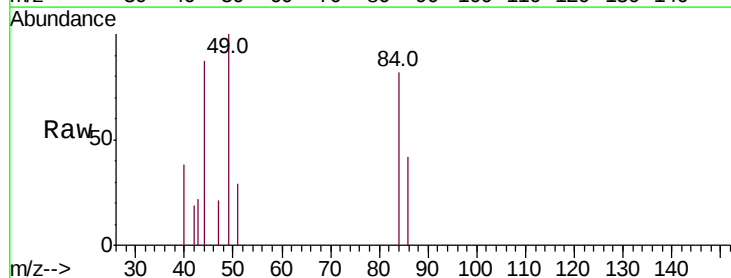
Ion Ratio Lower Upper

84 100

49 80.0 104.8 157.2#

51 13.7 33.0 49.4#

86 50.9 50.5 75.7

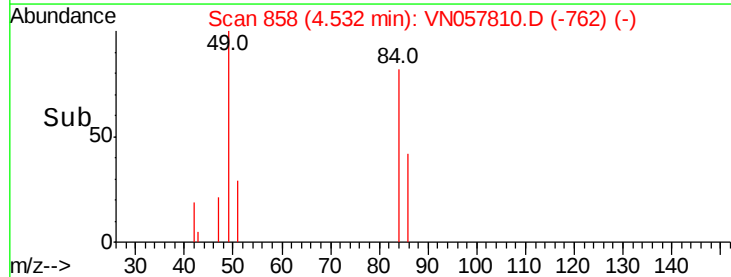
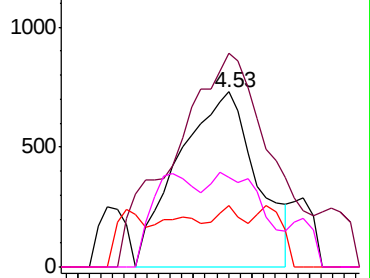


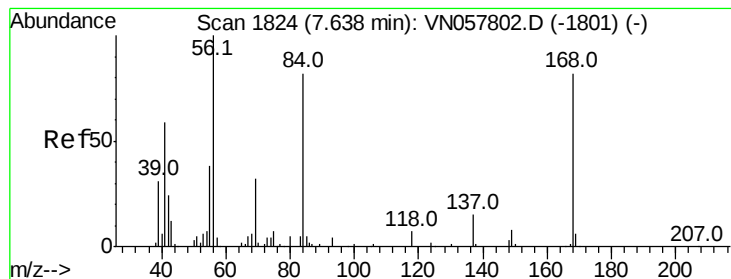
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057810.D

Acq: 9 Sep 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :

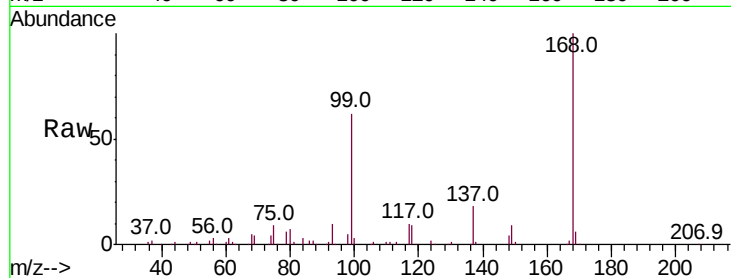
Tot Ion: 56 Resp: 8378

Ion Ratio Lower Upper

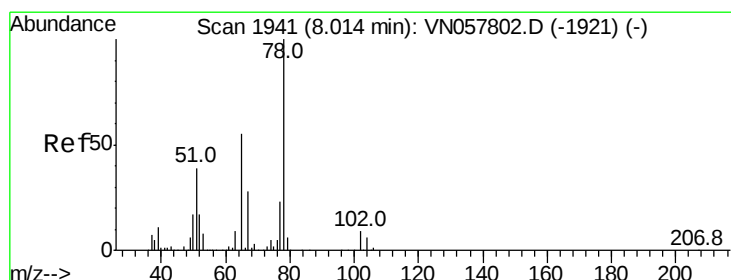
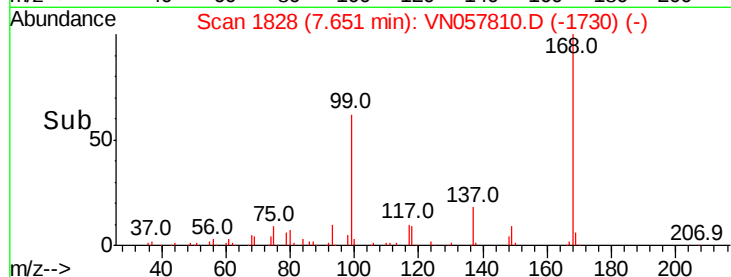
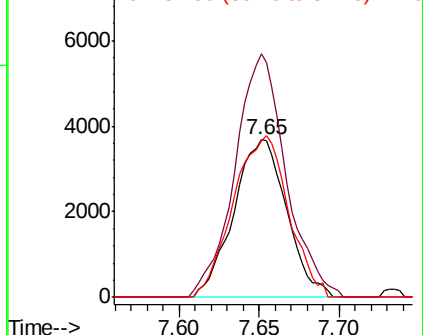
56 100

69 154.8 25.9 38.9#

84 99.6 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 53.039 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057810.D

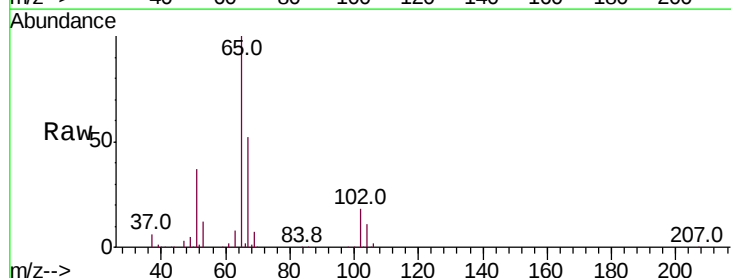
Acq: 9 Sep 2019 19:07

Tgt Ion: 65 Resp: 326368

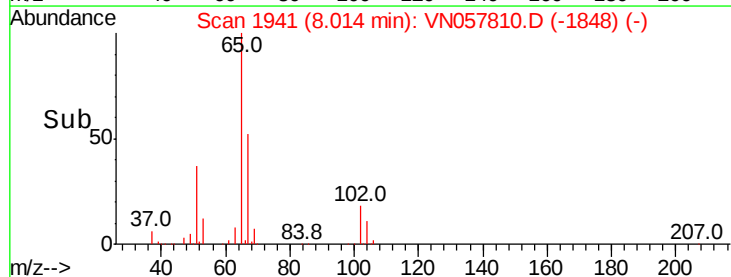
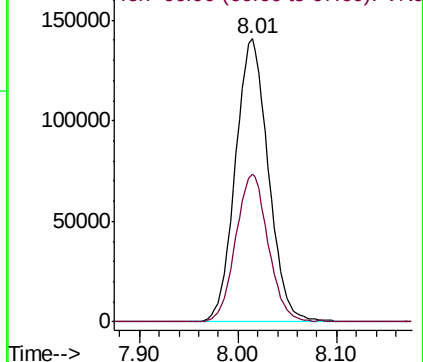
Ion Ratio Lower Upper

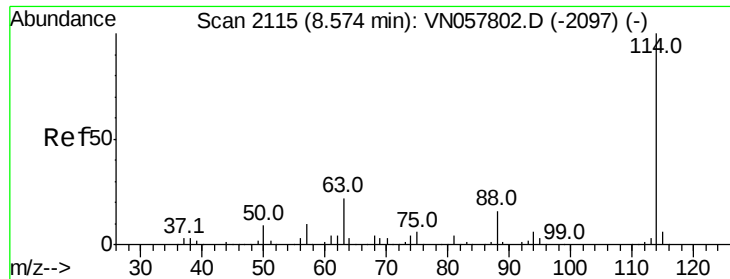
65 100

67 51.4 0.0 104.0



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

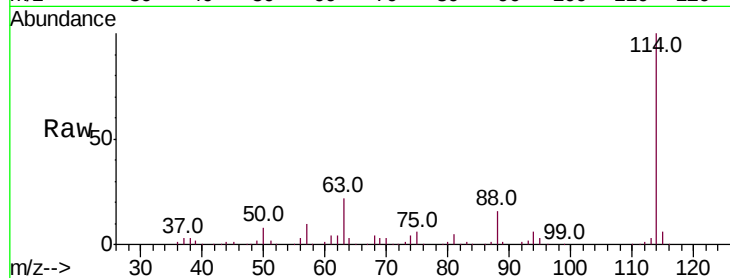




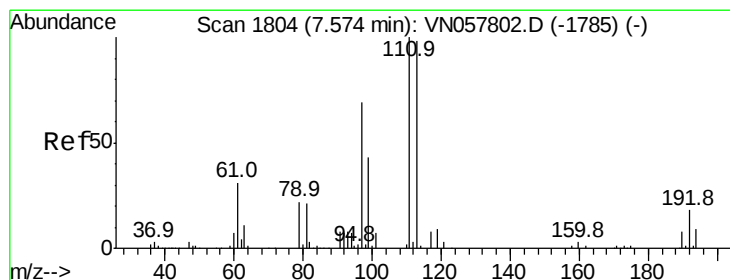
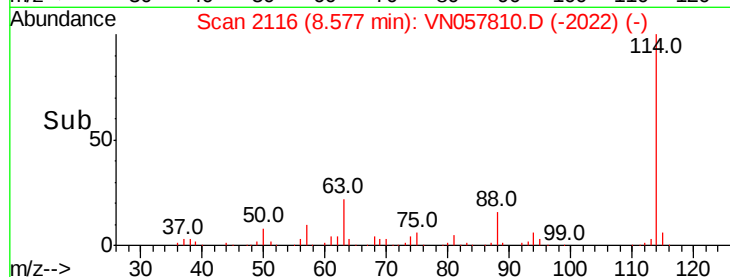
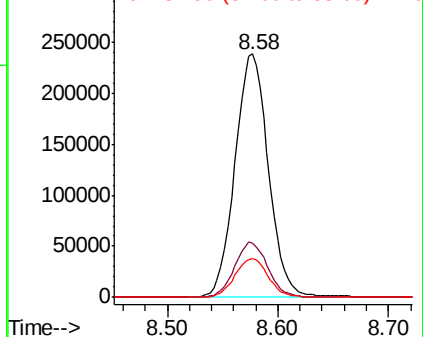
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057810.D
 Acq: 9 Sep 2019 19:07

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 501453
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.0
 88 15.8 0.0 31.4

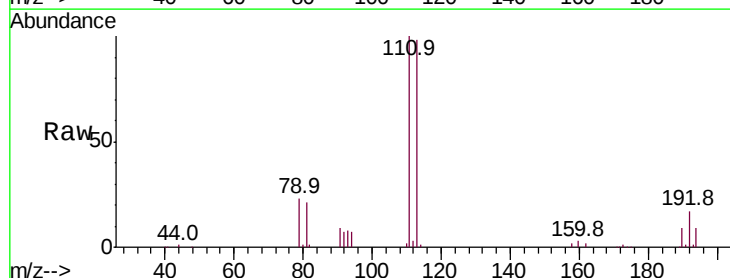


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

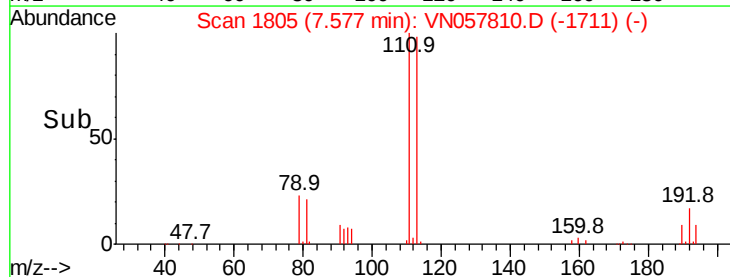
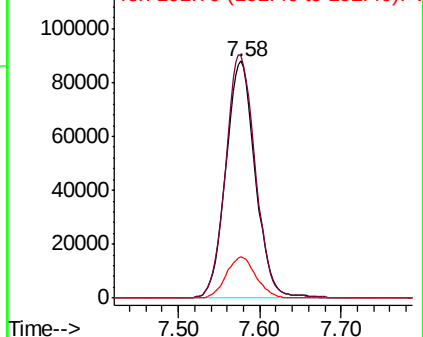


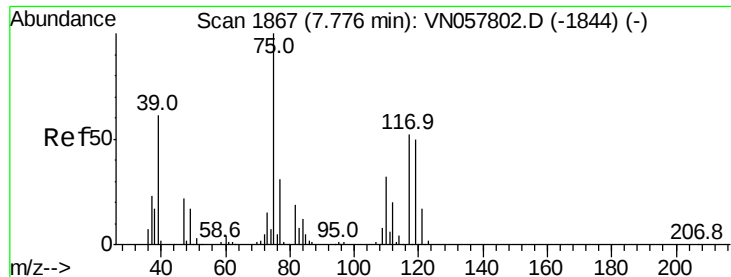
#35
 Dibromofluoromethane
 Concen: 48.239 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057810.D
 Acq: 9 Sep 2019 19:07

Tgt Ion:113 Resp: 223262
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.3 121.9
 192 17.7 14.6 22.0



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

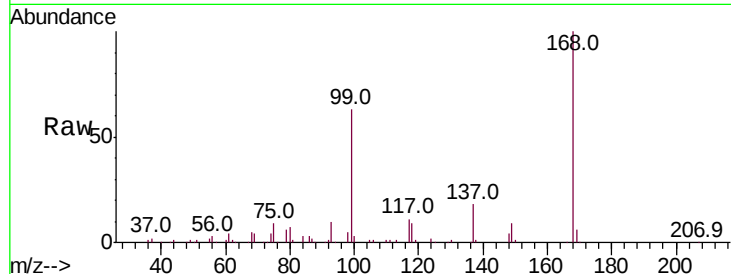




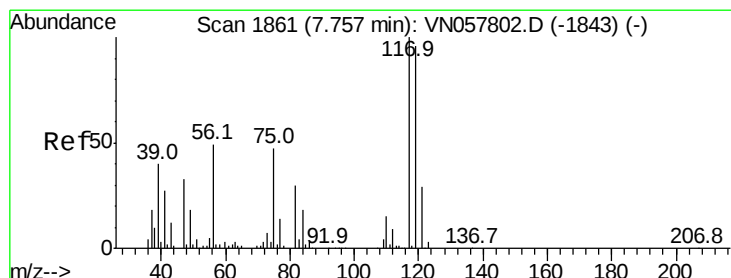
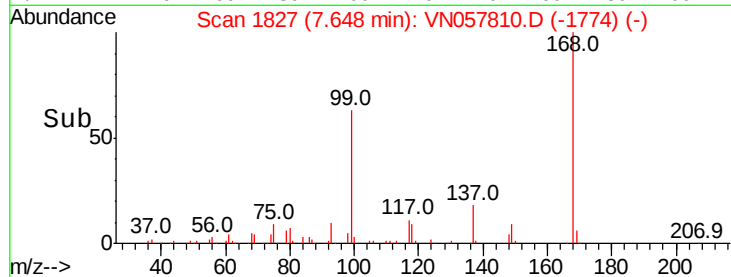
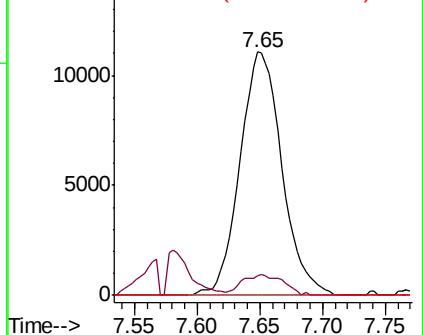
#36
 1,1-Dichloropropene
 Concen: 4.424 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057810.D
 Acq: 9 Sep 2019 19:07

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.3	48.9#
77	0.0	25.0	37.4#

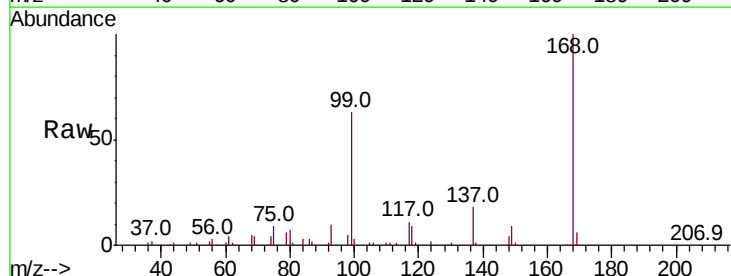


Abundance Ion 74.90 (74.60 to 75.60): VN057810.D (-1774) (-)
 Ion 109.90 (109.60 to 110.60): VN057810.D (-1774) (-)
 Ion 76.90 (76.60 to 77.60): VN057810.D (-1774) (-)

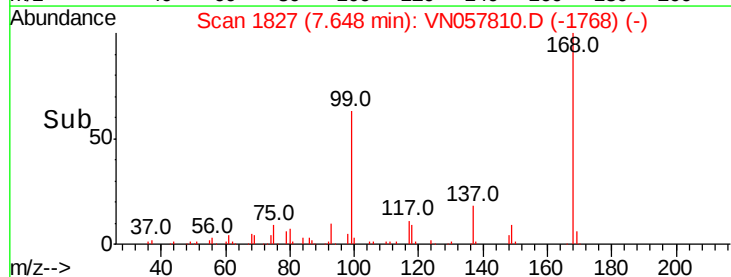
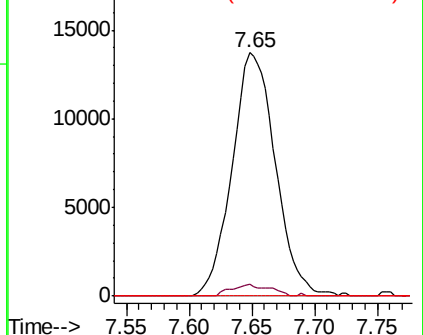


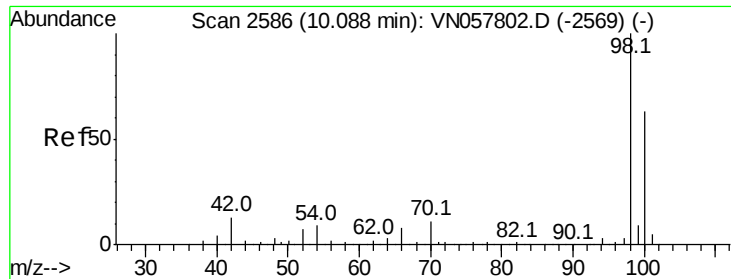
#38
 Carbon Tetrachloride
 Concen: 6.195 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN057810.D
 Acq: 9 Sep 2019 19:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.9	115.3#
121	0.0	23.4	35.2#



Abundance Ion 116.80 (116.50 to 117.50): VN057810.D (-1768) (-)
 Ion 118.80 (118.50 to 119.50): VN057810.D (-1768) (-)
 Ion 120.80 (120.50 to 121.50): VN057810.D (-1768) (-)





#50

Toluene-d8

Concen: 50.426 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057810.D

Acq: 9 Sep 2019 19:07

Instrument :

MSVOA_N

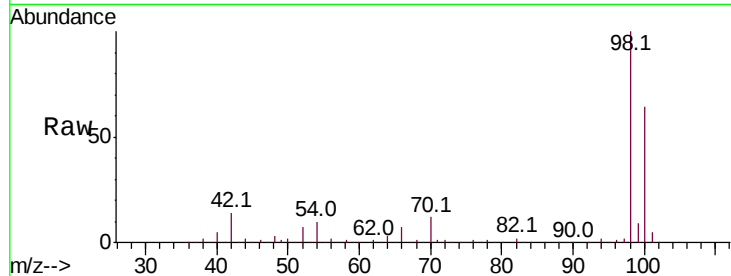
ClientSampled :

Tot Ion: 98 Resp: 906117

Ion Ratio Lower Upper

98 100

100 64.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057810.D (-2493) (-)

10.09

500000

400000

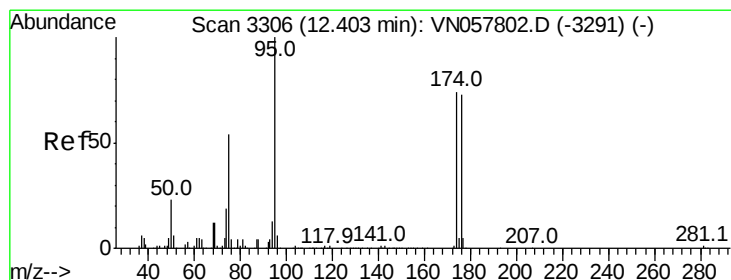
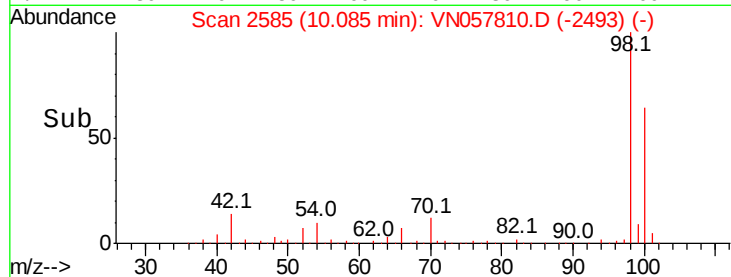
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.381 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057810.D

Acq: 9 Sep 2019 19:07

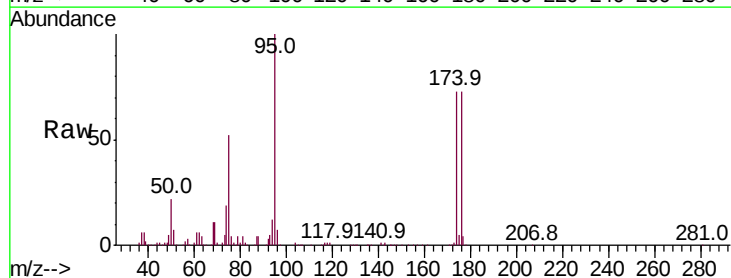
Tgt Ion: 95 Resp: 290222

Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.2

176 73.6 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057810.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN057810.D (-3213) (-)

200000

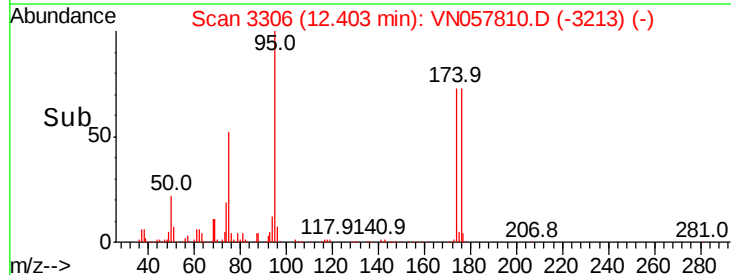
150000

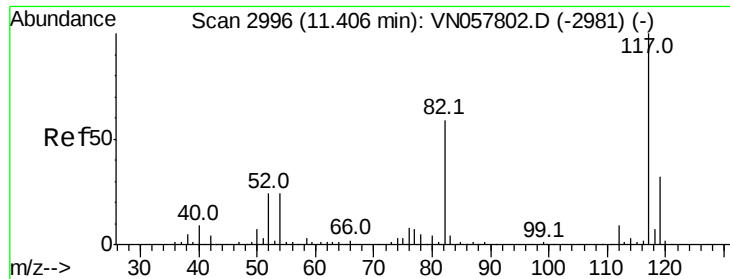
100000

50000

0

Time-->

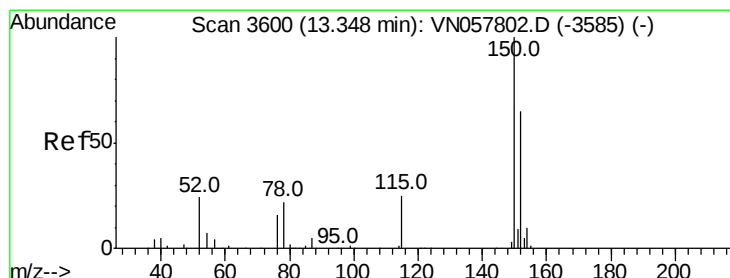
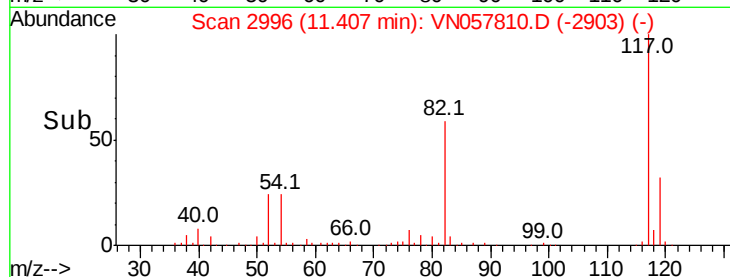
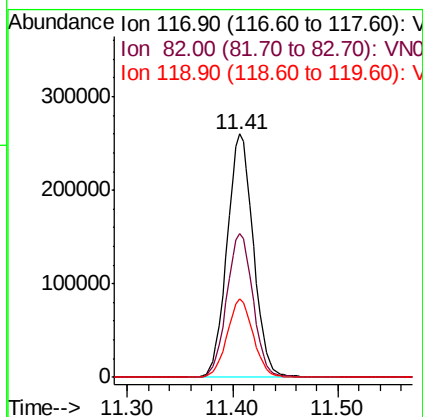
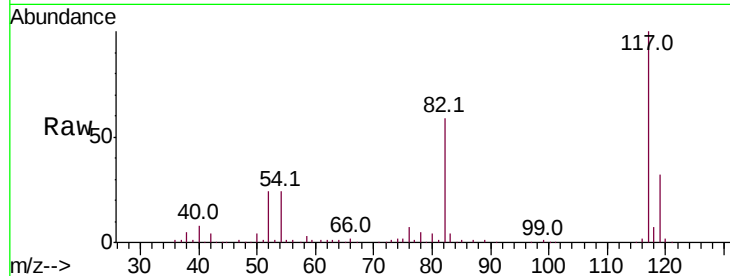




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057810.D
Acq: 9 Sep 2019 19:07

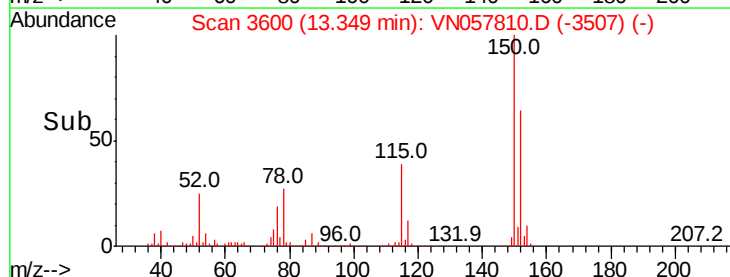
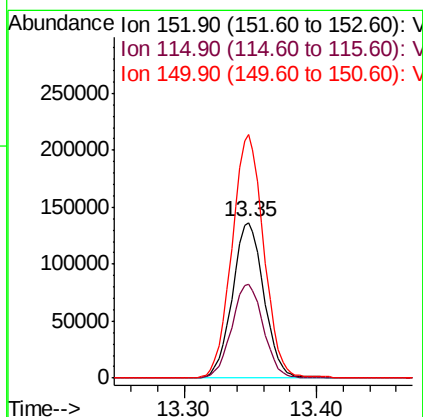
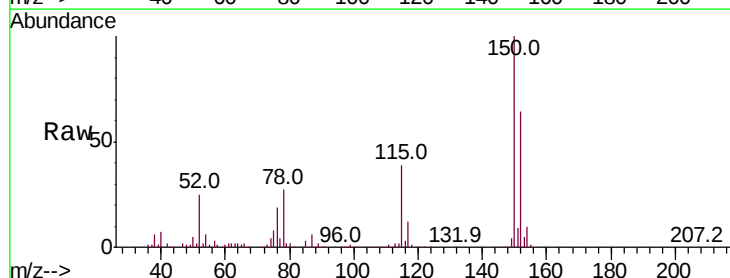
Instrument :
MSVOA_N
ClientSampleId :

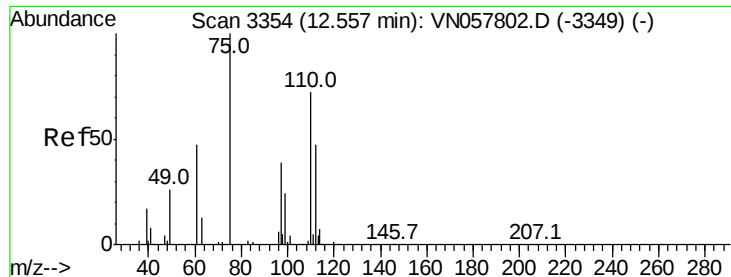
Tot Ion:117 Resp: 447034
Ion Ratio Lower Upper
117 100
82 59.2 47.2 70.8
119 32.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057810.D
Acq: 9 Sep 2019 19:07

Tgt Ion:152 Resp: 226225
Ion Ratio Lower Upper
152 100
115 60.8 30.3 91.0
150 158.3 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 30.567 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057810.D

Acq: 9 Sep 2019 19:07

Instrument :

MSVOA_N

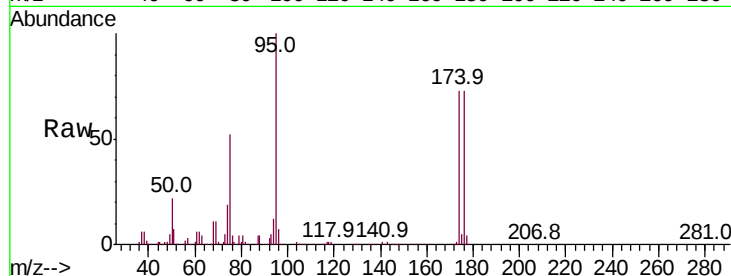
ClientSampled :

Tot Ion: 75 Resp: 156429

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

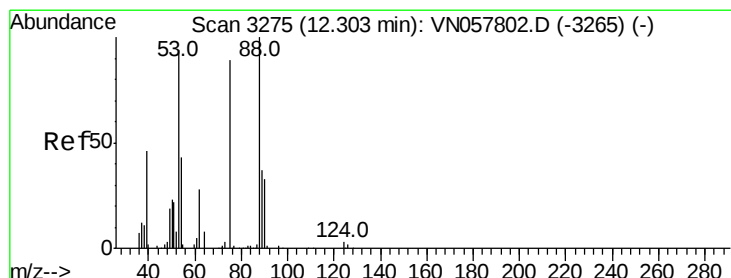
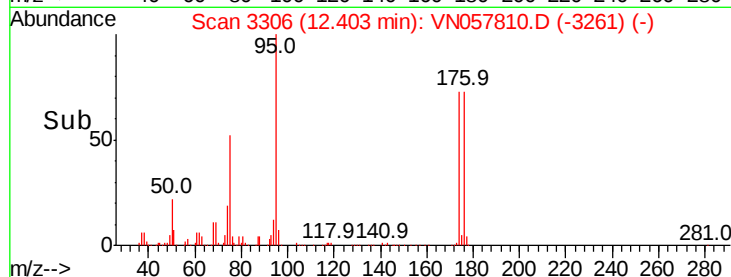
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 107.565 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057810.D

Acq: 9 Sep 2019 19:07

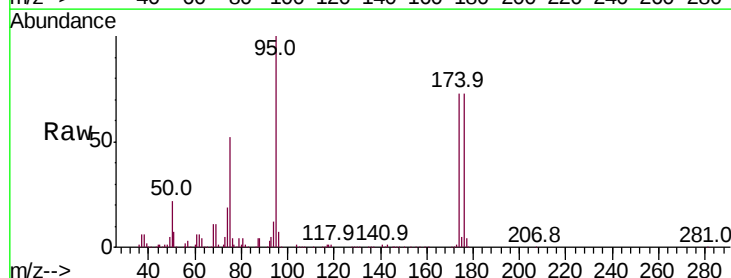
Tgt Ion: 75 Resp: 156429

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

120000

100000

80000

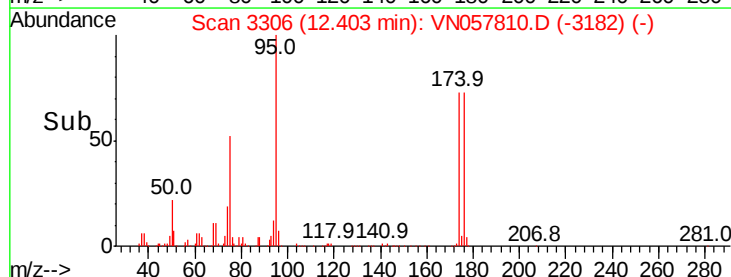
60000

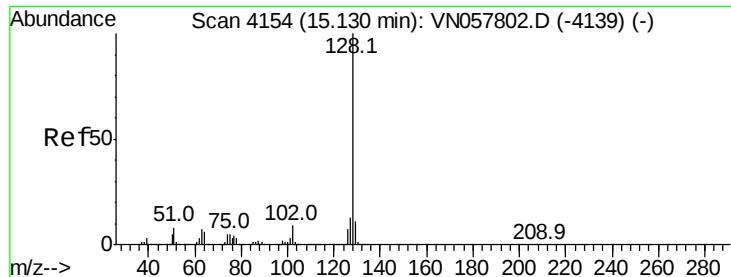
40000

20000

0

Time--> 12.30 12.40 12.50





#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN057810.D

Acq: 9 Sep 2019 19:07

Instrument :

MSVOA_N

ClientSampled :

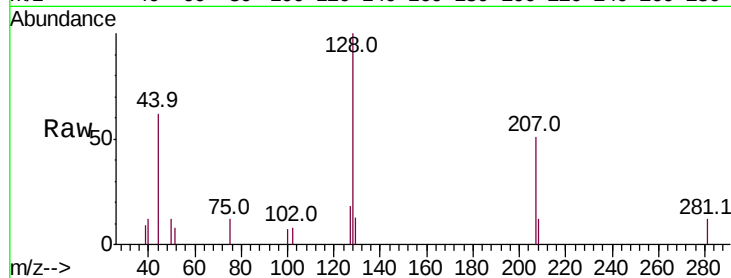
Tot Ion:128 Resp: 3828

Ion Ratio Lower Upper

128 100

127 10.8 10.3 15.5

129 11.2 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

2500

2000

1500

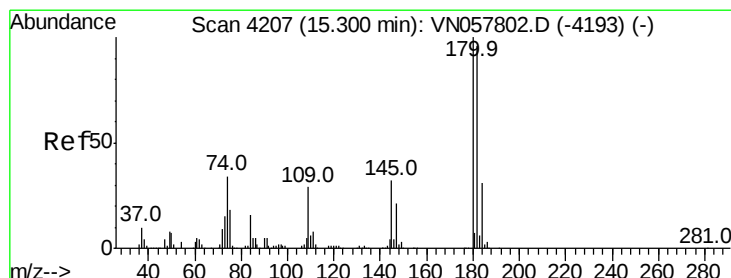
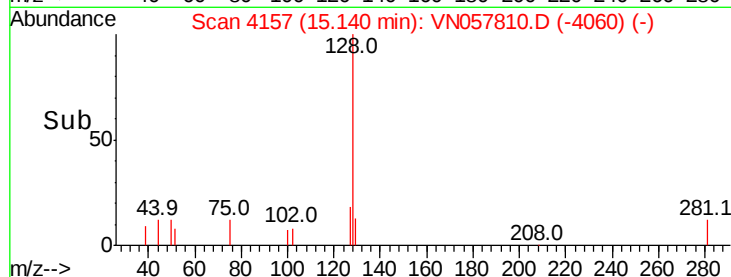
1000

500

0

15.10 15.15 15.20

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 1.210 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.01 min

Lab File: VN057810.D

Acq: 9 Sep 2019 19:07

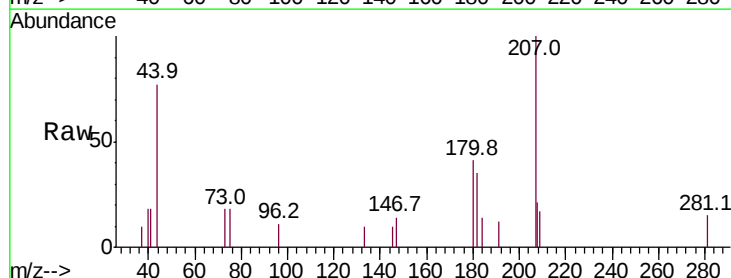
Tgt Ion:180 Resp: 991

Ion Ratio Lower Upper

180 100

182 90.3 48.3 144.8

145 9.9 16.3 48.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

800

600

400

200

0

15.30

Time-->

