

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
 Data File : VN061703.D
 Acq On : 8 Jun 2020 18:05
 Operator : JC/MD
 Sample : L2939-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2020-06-02-FD02

Quant Time: Jun 09 03:13:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	282603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	484297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	488641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	220076	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	163214	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
35) Dibromofluoromethane	7.55	113	143746	58.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.02%	
50) Toluene-d8	10.06	98	587774	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.38	95	212793	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

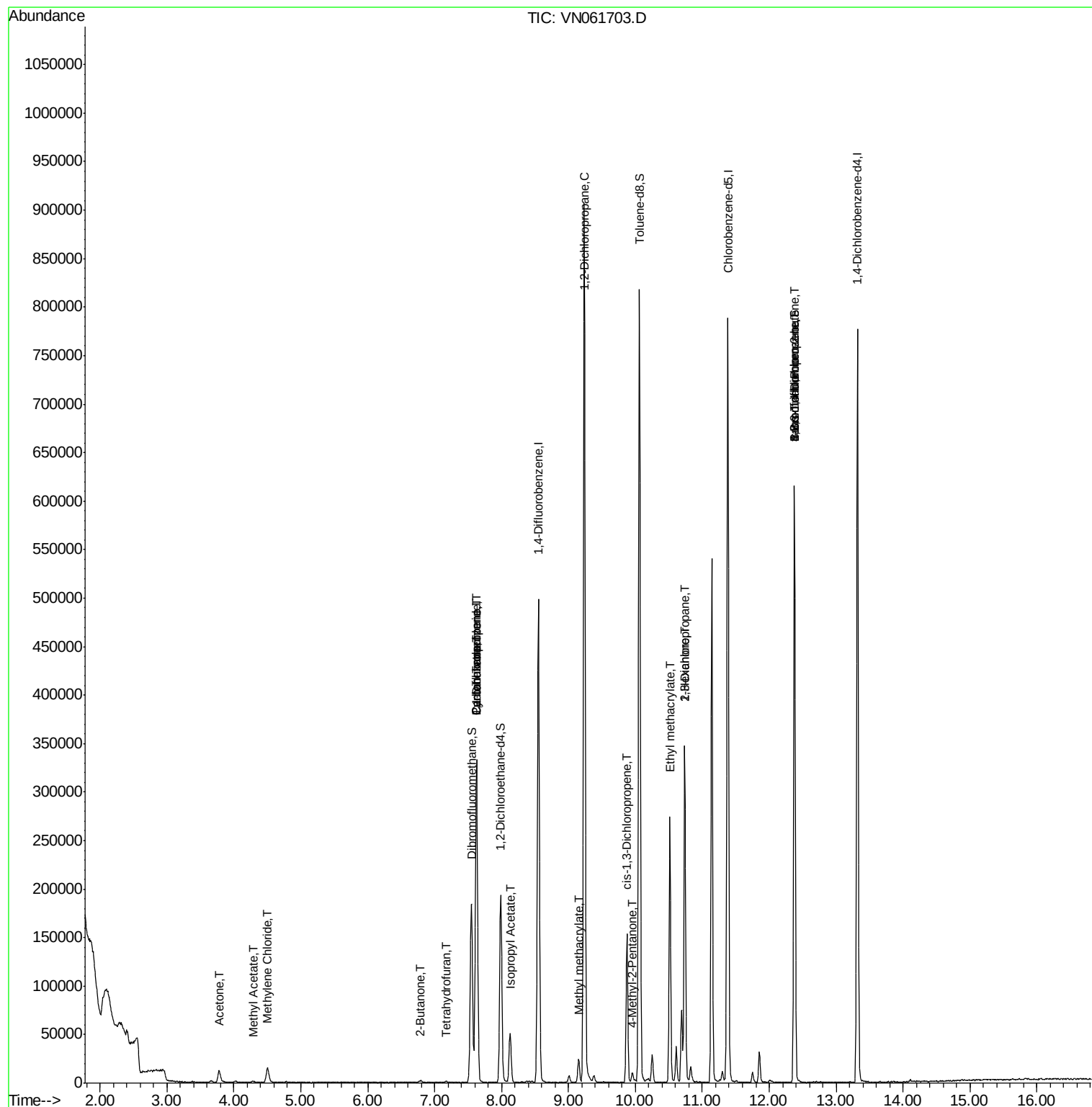
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	19609	15.31	ug/l	92
18) Methyl Acetate	4.29	43	2246	0.74	ug/l	96
20) Methylene Chloride	4.51	84	11731	2.17	ug/l	96
25) 2-Butanone	6.79	43	2796	1.75	ug/l	99
29) Tetrahydrofuran	7.18	42	913	0.87	ug/l #	62
31) Cyclohexane	7.63	56	4819	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	19366	4.52	ug/l #	45
38) Carbon Tetrachloride	7.63	117	26723	6.46	ug/l #	18
43) Isopropyl Acetate	8.13	43	58158	9.36	ug/l #	92
45) 1,2-Dichloropropane	9.24	63	1172	0.37	ug/l #	44
48) Methyl methacrylate	9.14	41	2843	1.02	ug/l #	5
51) 4-Methyl-2-Pentanone	9.96	43	6801	1.94	ug/l	91
54) cis-1,3-Dichloropropene	9.88	75	31181	5.64	ug/l #	62
56) Ethyl methacrylate	10.52	69	1169	0.24	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3747	0.68	ug/l #	42
59) 2-Hexanone	10.74	43	43094	17.14	ug/l #	48
71) Bromoform	12.38	173	1869	0.64	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	103960	25.98	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	103960	66.43	ug/l #	15

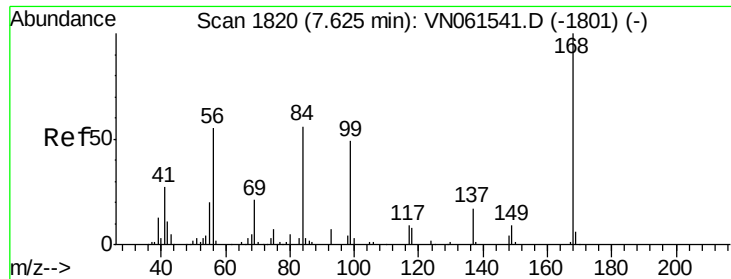
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
Data File : VN061703.D
Acq On : 8 Jun 2020 18:05
Operator : JC/MD
Sample : L2939-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
2020-06-02-FD02

Quant Time: Jun 09 03:13:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061703.D

Acq: 8 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

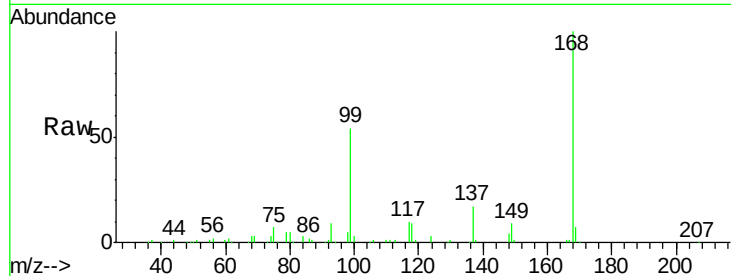
2020-06-02-FD02

Tgt Ion:168 Resp: 282603

Ion Ratio Lower Upper

168 100

99 53.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

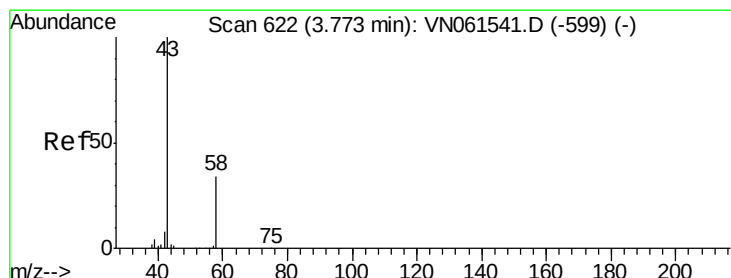
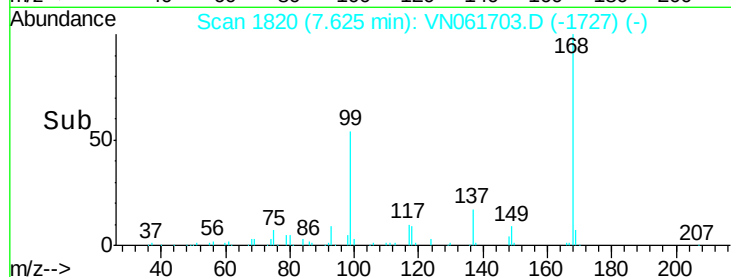
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 15.31 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061703.D

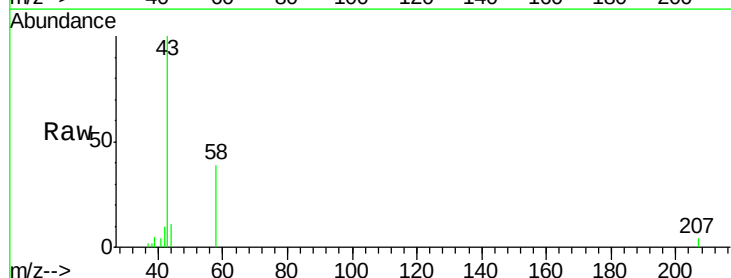
Acq: 8 Jun 2020 18:05

Tgt Ion: 43 Resp: 19609

Ion Ratio Lower Upper

43 100

58 38.5 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

8000

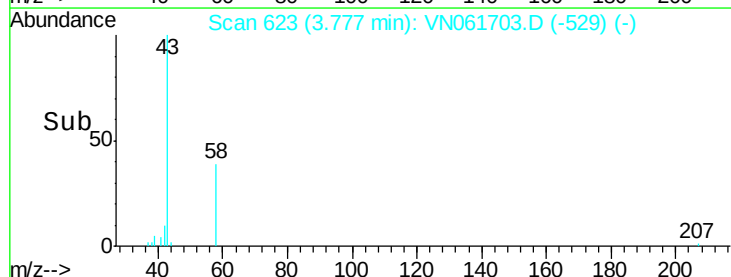
6000

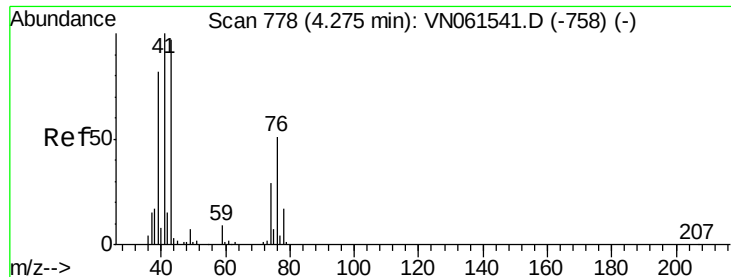
4000

2000

0

Time--> 3.70 3.75 3.80 3.85

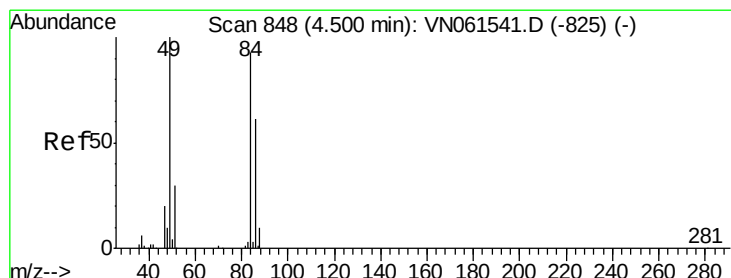
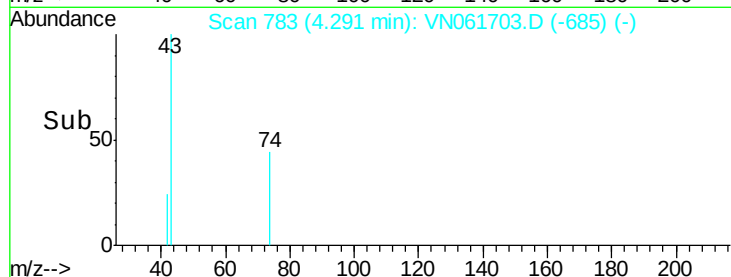
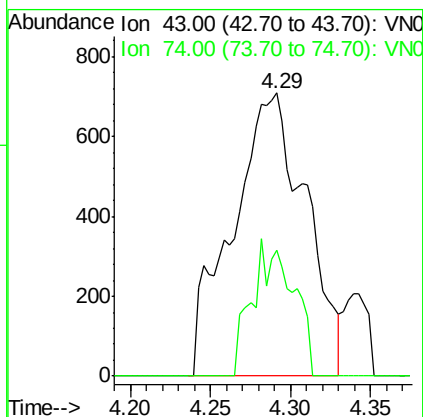
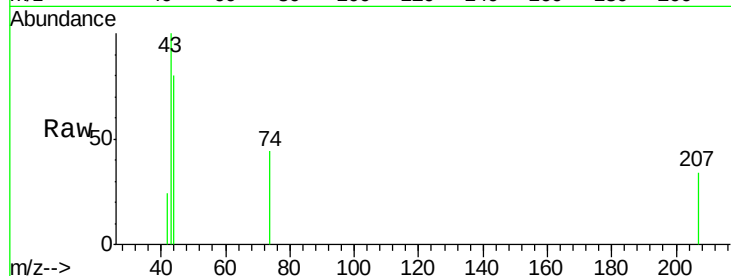




#18
Methyl Acetate
Concen: 0.74 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.02 min
Lab File: VN061703.D
Acq: 8 Jun 2020 18:05

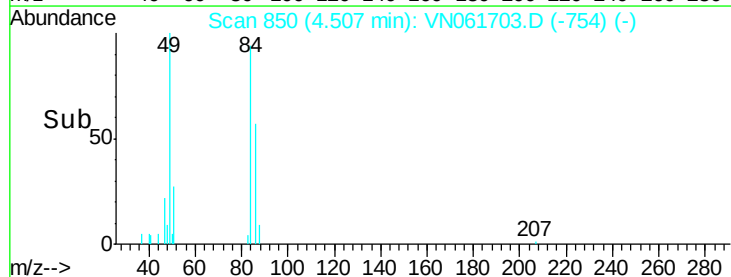
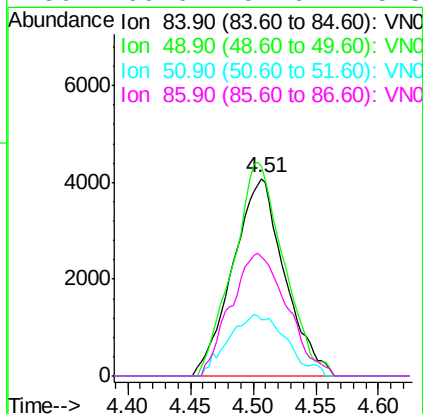
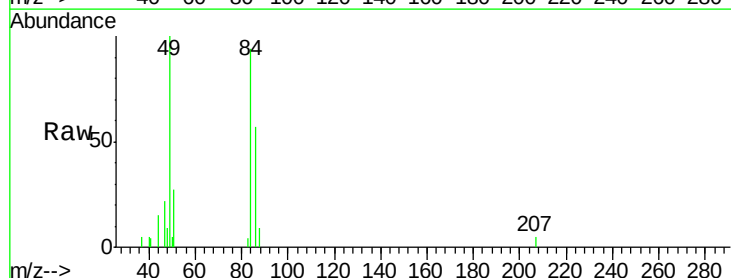
Instrument :
MSVOA_N
ClientSampleId :
2020-06-02-FD02

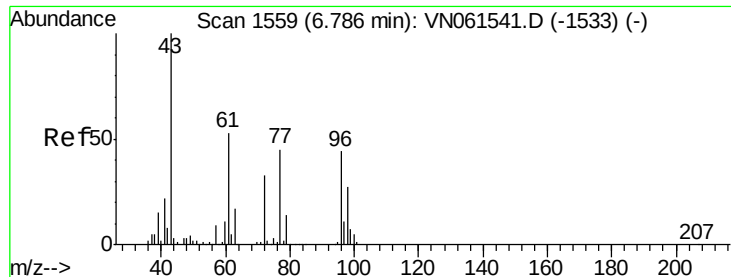
Tgt Ion: 43 Resp: 2246
Ion Ratio Lower Upper
43 100
74 26.8 23.2 34.8



#20
Methylene Chloride
Concen: 2.17 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061703.D
Acq: 8 Jun 2020 18:05

Tgt Ion: 84 Resp: 11731
Ion Ratio Lower Upper
84 100
49 106.2 85.8 128.8
51 28.7 26.2 39.2
86 60.6 52.6 78.8

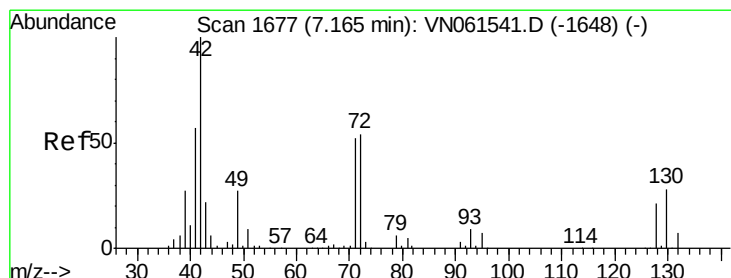
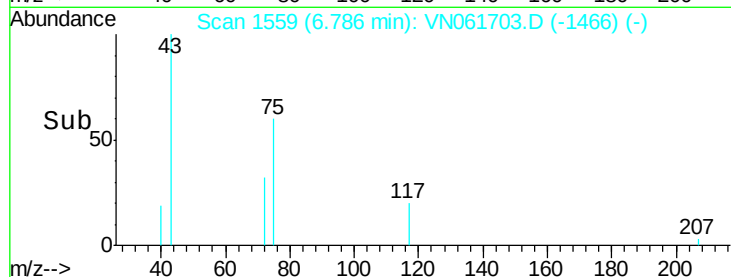
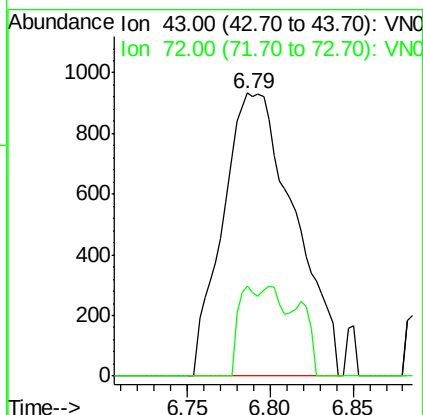
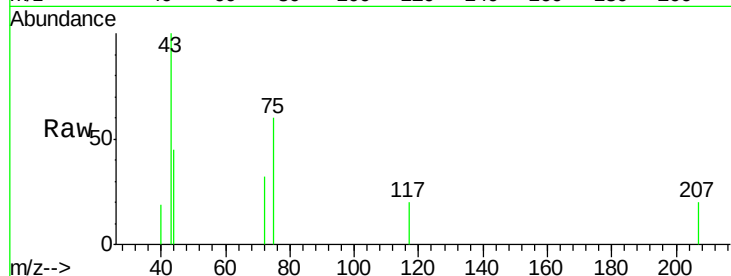




#25
2-Butanone
Concen: 1.75 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061703.D
Acq: 8 Jun 2020 18:05

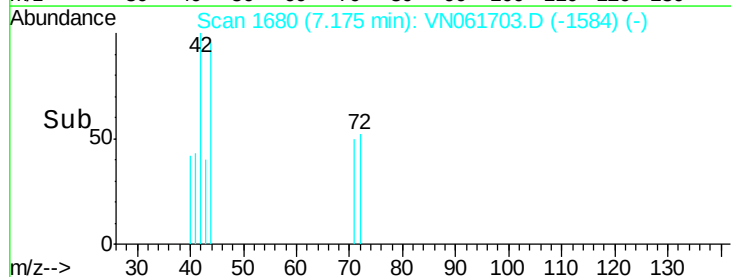
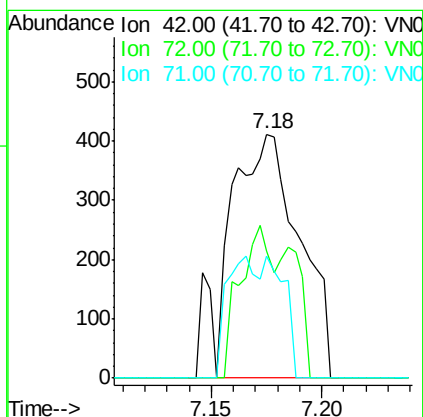
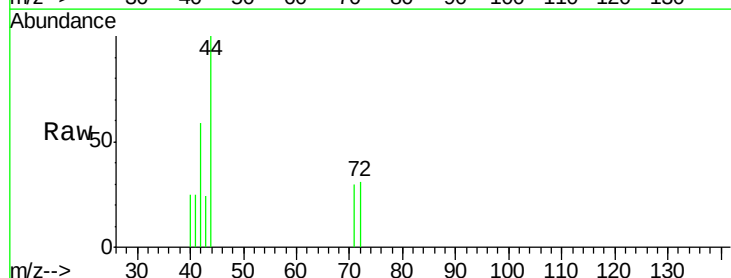
Instrument :
MSVOA_N
ClientSampleId :
2020-06-02-FD02

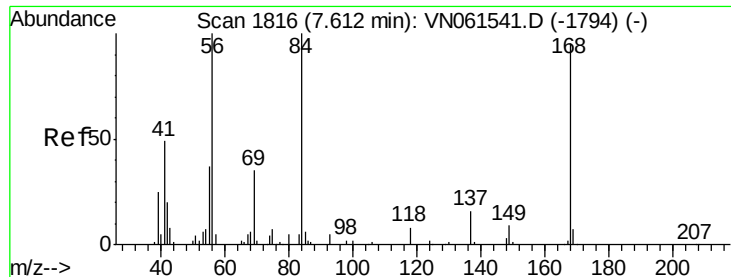
Tgt Ion: 43 Resp: 2796
Ion Ratio Lower Upper
43 100
72 32.0 26.0 39.0



#29
Tetrahydrofuran
Concen: 0.87 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN061703.D
Acq: 8 Jun 2020 18:05

Tgt Ion: 42 Resp: 913
Ion Ratio Lower Upper
42 100
72 28.9 43.6 65.4#
71 22.7 41.2 61.8#





#31

Cyclohexane

Concen: 1.02 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061703.D

Acq: 8 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

2020-06-02-FD02

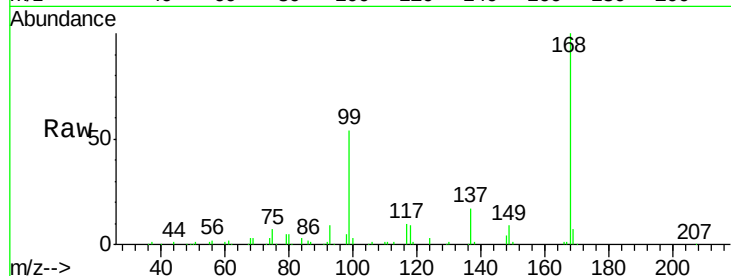
Tgt Ion: 56 Resp: 4819

Ion Ratio Lower Upper

56 100

69 170.1 27.8 41.8#

84 152.6 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN061541.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061541.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061541.D (-1794) (-)

Time-->

7.55 7.60 7.65 7.70

7.63

Abundance

Ion 56.00 (55.70 to 56.70): VN061541.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061541.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061541.D (-1794) (-)

Time-->

7.55 7.60 7.65 7.70

7.63

Abundance

Ion 56.00 (55.70 to 56.70): VN061541.D (-1794) (-)

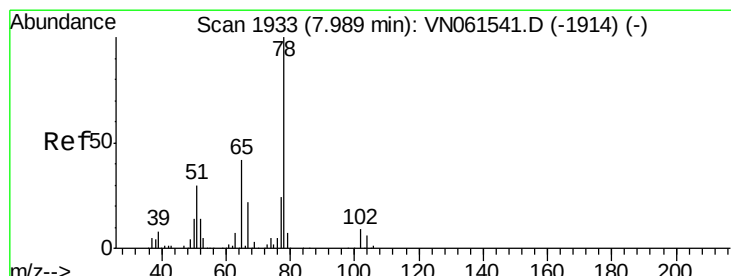
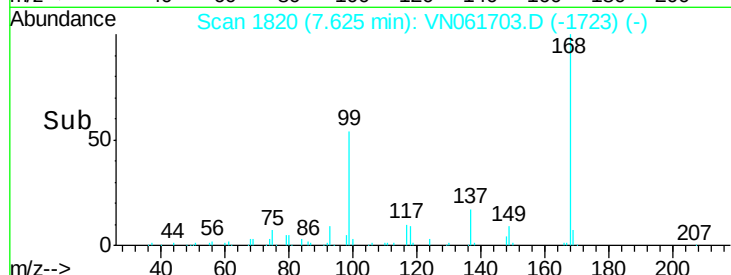
Ion 69.00 (68.70 to 69.70): VN061541.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061541.D (-1794) (-)

Time-->

7.55 7.60 7.65 7.70

7.63



#33

1,2-Dichloroethane-d4

Concen: 48.47 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061703.D

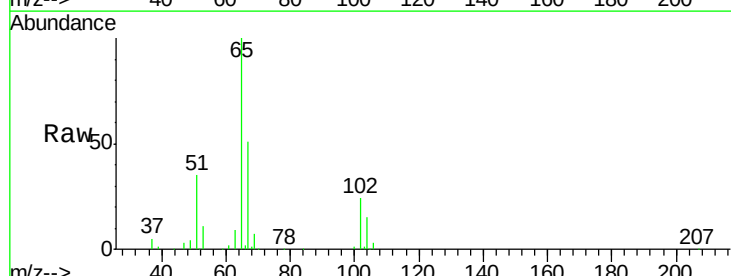
Acq: 8 Jun 2020 18:05

Tgt Ion: 65 Resp: 163214

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061541.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061541.D (-1914) (-)

Time-->

7.90 7.95 8.00 8.05 8.10

7.99

Abundance

Ion 64.90 (64.60 to 65.60): VN061541.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061541.D (-1914) (-)

Time-->

7.90 7.95 8.00 8.05 8.10

7.99

Abundance

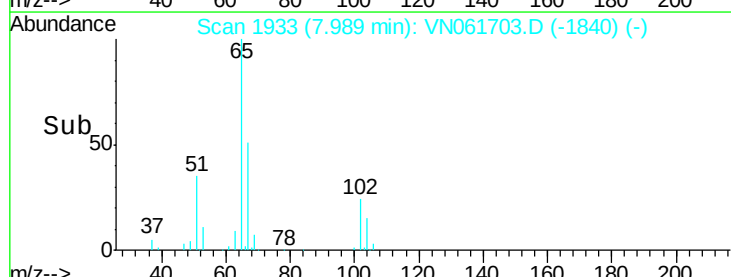
Ion 64.90 (64.60 to 65.60): VN061541.D (-1914) (-)

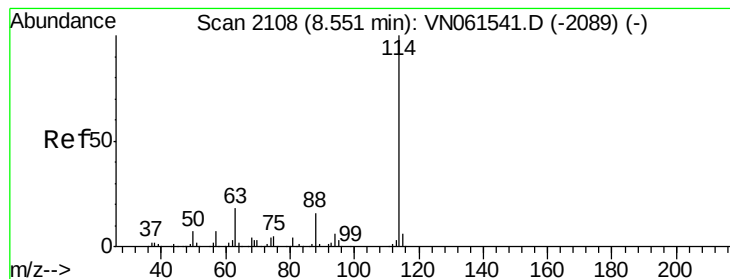
Ion 66.90 (66.60 to 67.60): VN061541.D (-1914) (-)

Time-->

7.90 7.95 8.00 8.05 8.10

7.99





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061703.D

Acq: 8 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

2020-06-02-FD02

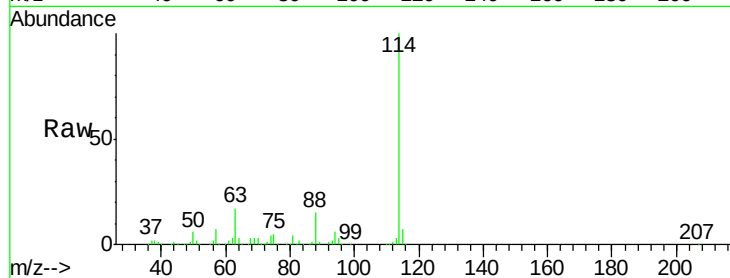
Tgt Ion:114 Resp: 484297

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.8

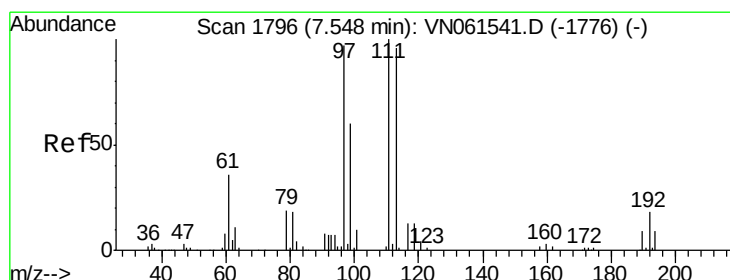
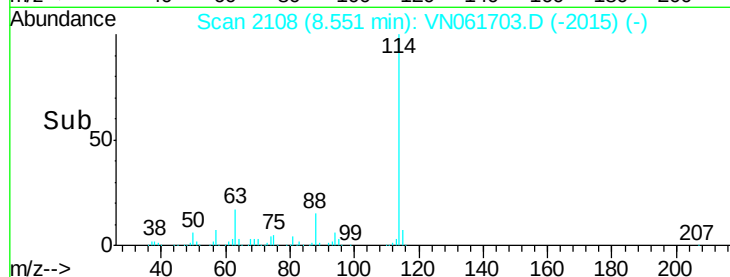
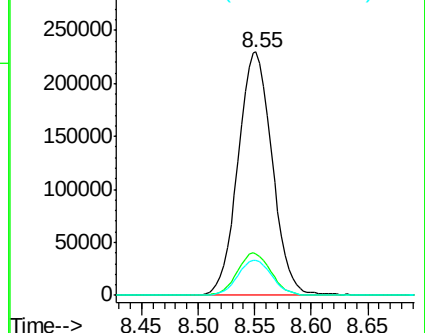
88 14.5 0.0 31.0



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: 58.51 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061703.D

Acq: 8 Jun 2020 18:05

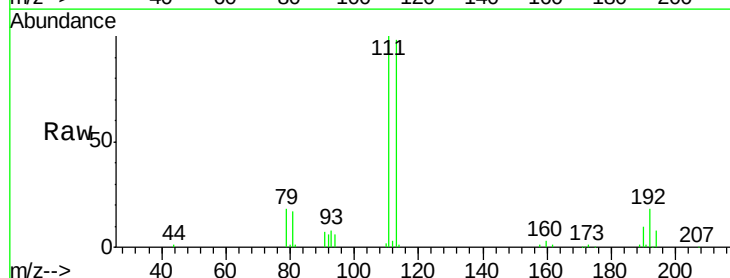
Tgt Ion:113 Resp: 143746

Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.0

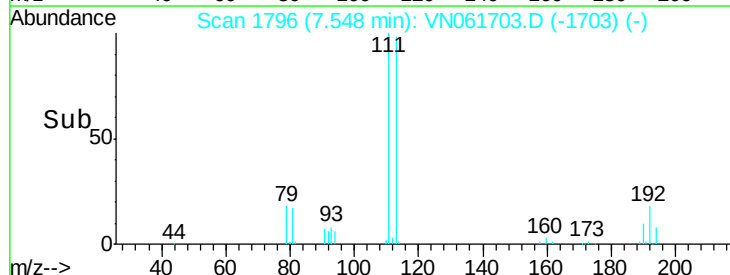
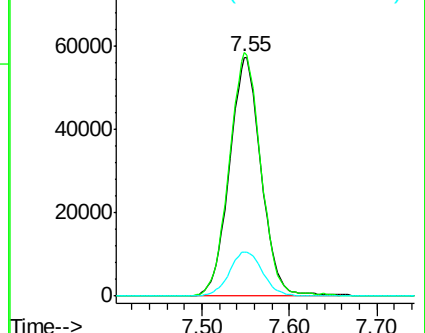
192 19.4 15.4 23.2

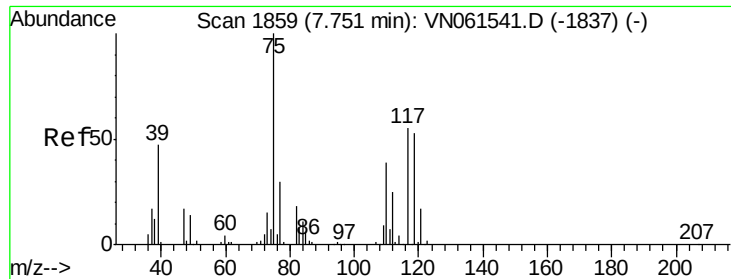


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

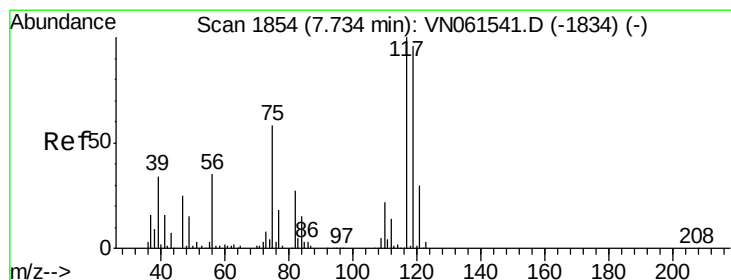
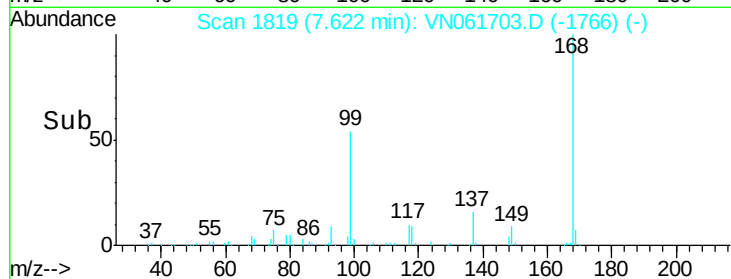
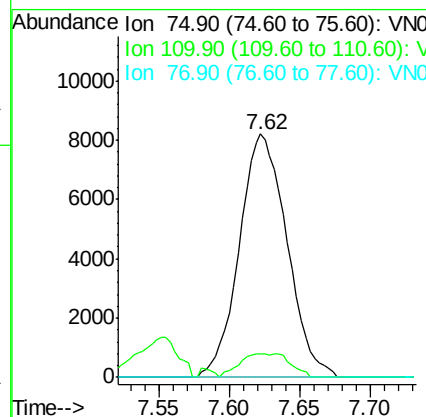
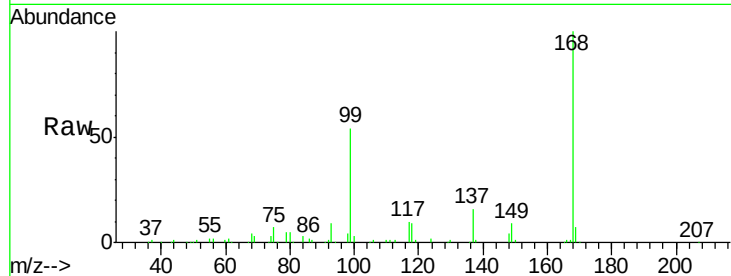




#36
 1,1-Dichloropropene
 Concen: 4.52 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061703.D
 Acq: 8 Jun 2020 18:05

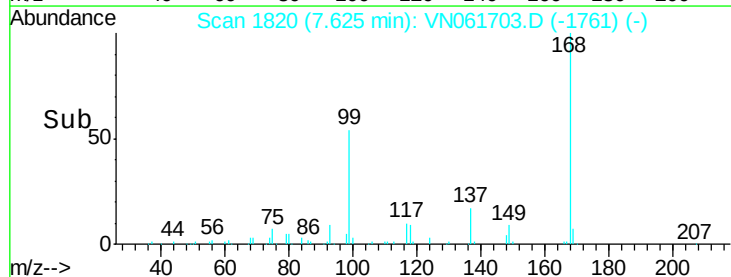
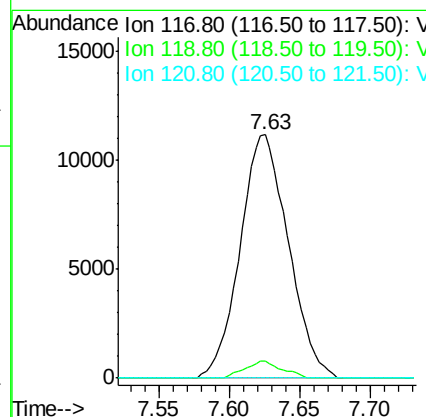
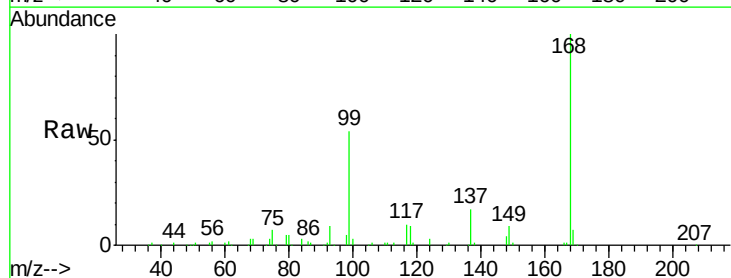
Instrument :
 MSVOA_N
 ClientSampleId :
 2020-06-02-FD02

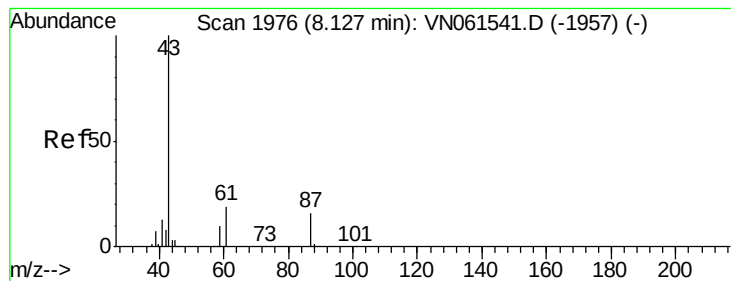
Tgt Ion: 75 Resp: 19366
 Ion Ratio Lower Upper
 75 100
 110 6.2 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.46 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061703.D
 Acq: 8 Jun 2020 18:05

Tgt Ion: 117 Resp: 26723
 Ion Ratio Lower Upper
 117 100
 119 6.9 76.5 114.7#
 121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 9.36 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN061703.D

Acq: 8 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

2020-06-02-FD02

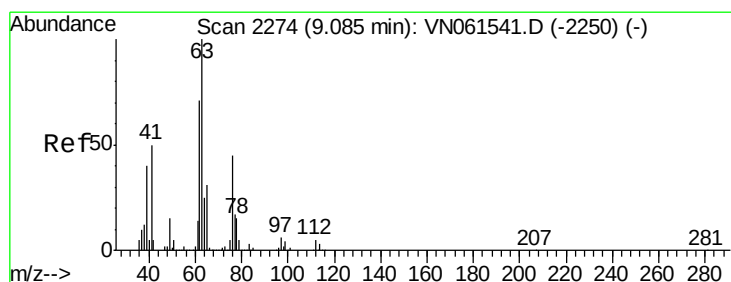
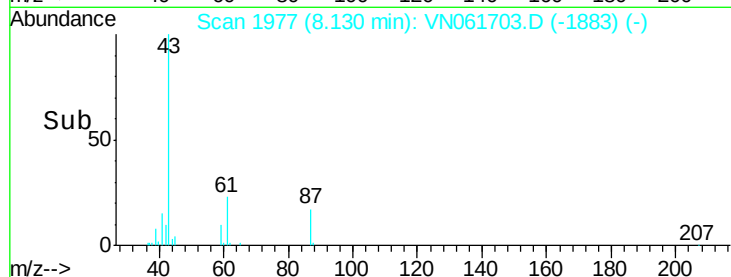
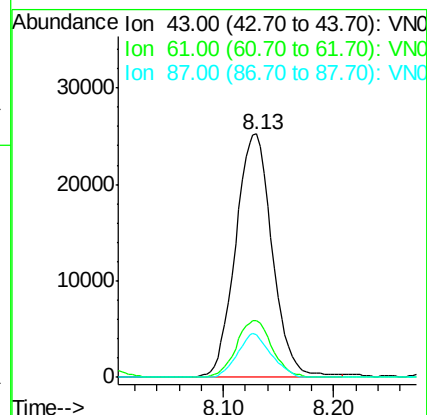
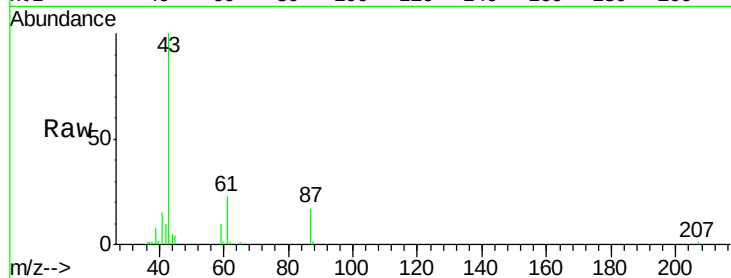
Tgt Ion: 43 Resp: 58158

Ion Ratio Lower Upper

43 100

61 22.5 23.6 35.4#

87 16.3 13.0 19.6



#45

1,2-Dichloropropane

Concen: 0.37 ug/l

RT: 9.24 min Scan# 2322

Delta R.T. 0.15 min

Lab File: VN061703.D

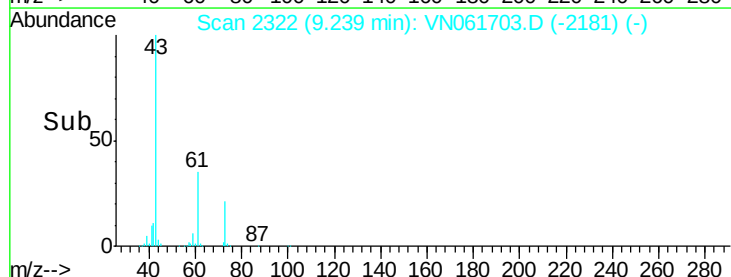
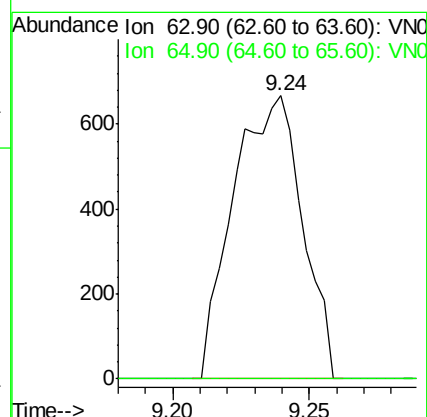
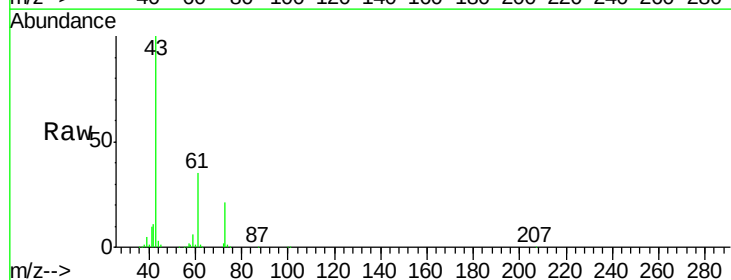
Acq: 8 Jun 2020 18:05

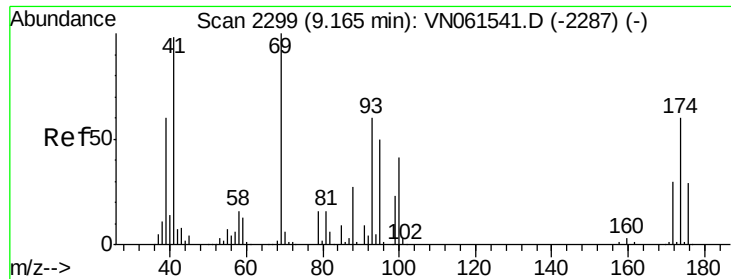
Tgt Ion: 63 Resp: 1172

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

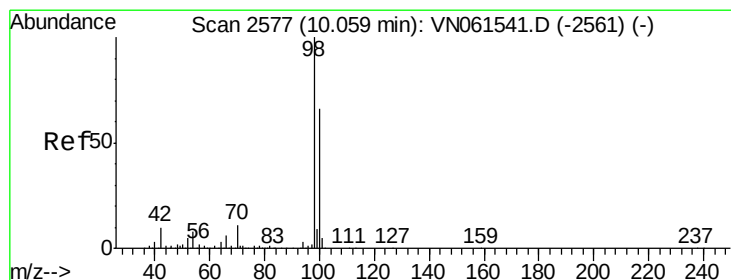
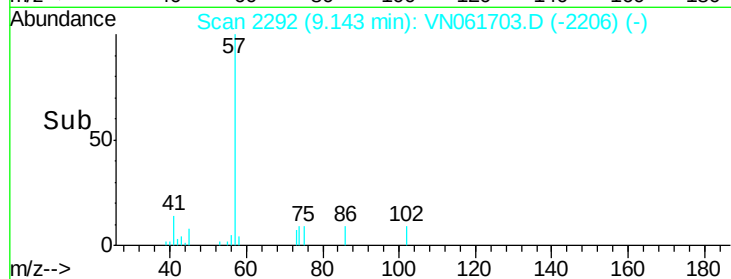
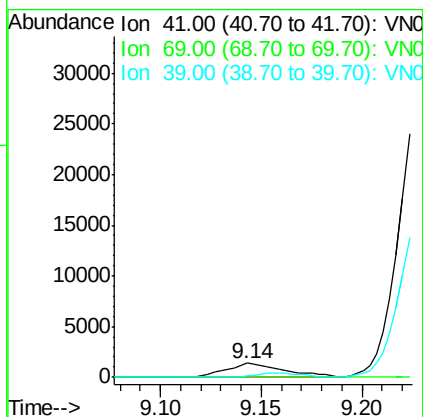
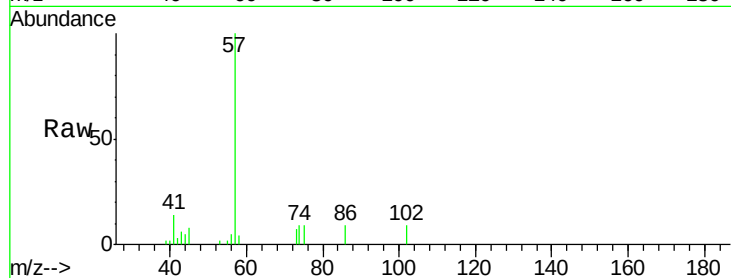




#48
Methyl methacrylate
Concen: 1.02 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VN061703.D
Acq: 8 Jun 2020 18:05

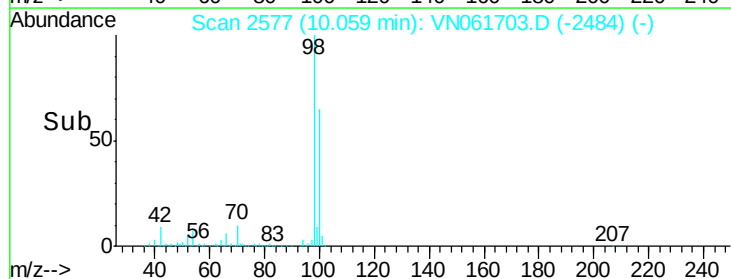
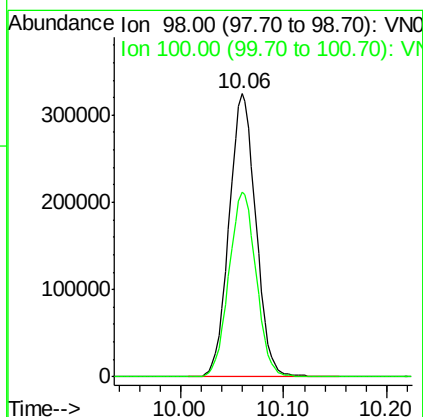
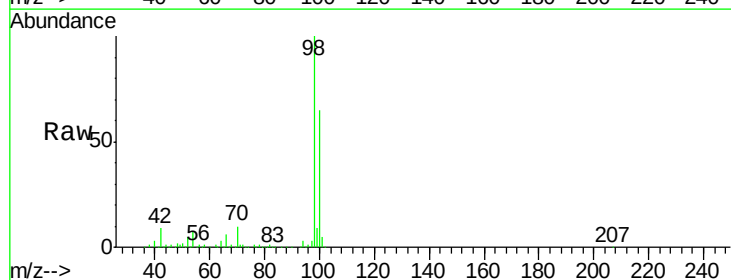
Instrument :
MSVOA_N
ClientSampleId :
2020-06-02-FD02

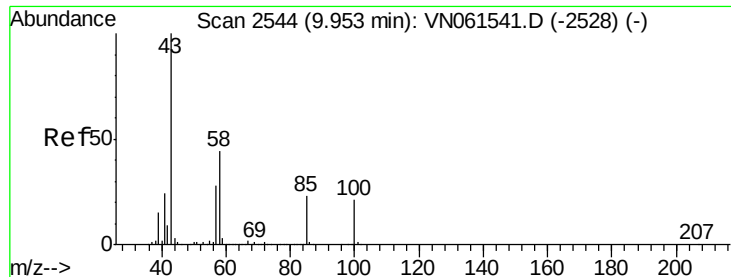
Tgt Ion: 41 Resp: 2843
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 0.0 52.1 78.1#



#50
Toluene-d8
Concen: 51.63 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061703.D
Acq: 8 Jun 2020 18:05

Tgt Ion: 98 Resp: 587774
Ion Ratio Lower Upper
98 100
100 66.5 52.8 79.2

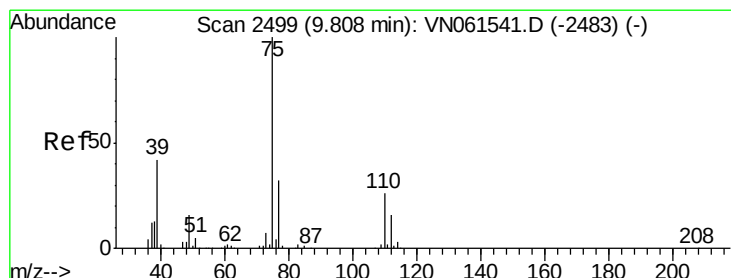
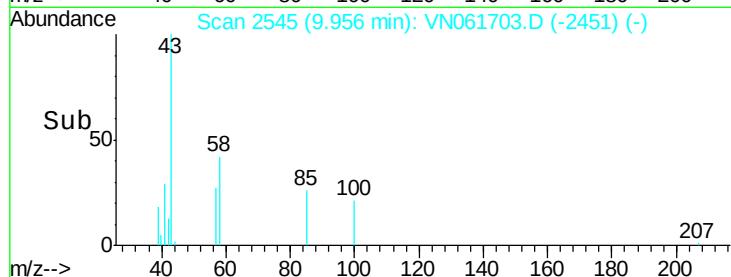
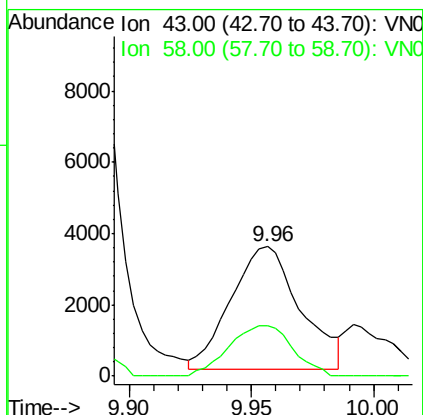
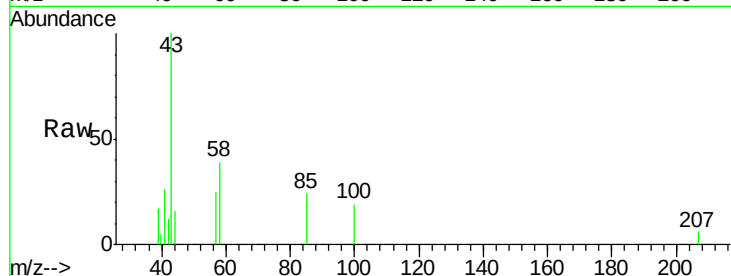




#51
 4-Methyl-2-Pentanone
 Concen: 1.94 ug/l
 RT: 9.96 min Scan# 2545
 Delta R.T. 0.00 min
 Lab File: VN061703.D
 Acq: 8 Jun 2020 18:05

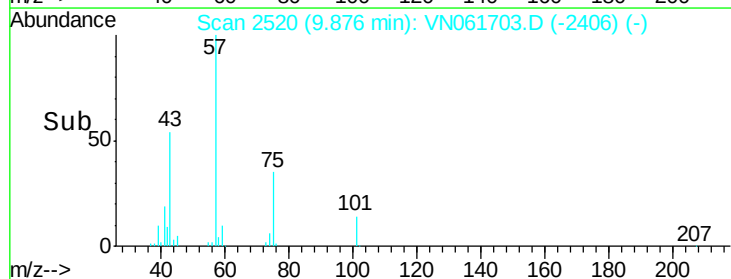
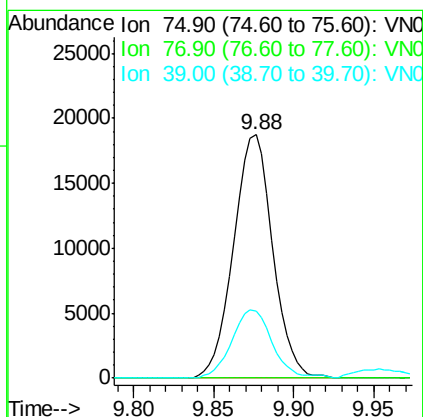
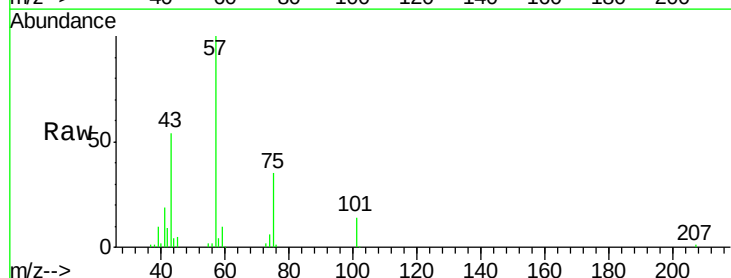
Instrument :
 MSVOA_N
 ClientSampleId :
 2020-06-02-FD02

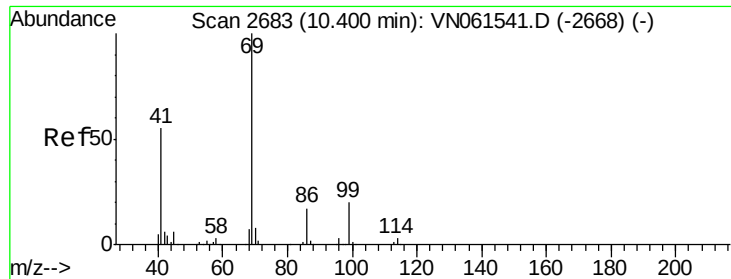
Tgt Ion: 43 Resp: 6801
 Ion Ratio Lower Upper
 43 100
 58 37.8 35.0 52.6



#54
 cis-1,3-Dichloropropene
 Concen: 5.64 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN061703.D
 Acq: 8 Jun 2020 18:05

Tgt Ion: 75 Resp: 31181
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 27.6 33.8 50.6#





#56

Ethyl methacrylate

Concen: 0.24 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.12 min

Lab File: VN061703.D

Acq: 8 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

2020-06-02-FD02

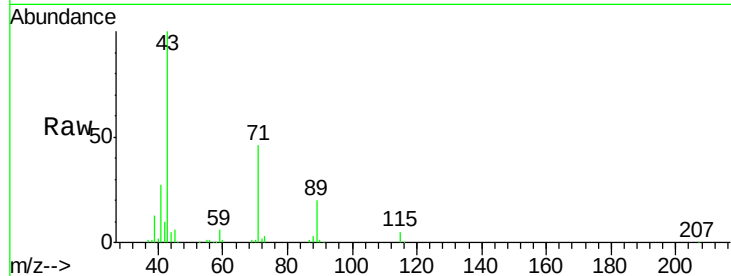
Tgt Ion: 69 Resp: 1169

Ion Ratio Lower Upper

69 100

41 4255.4 43.5 65.3#

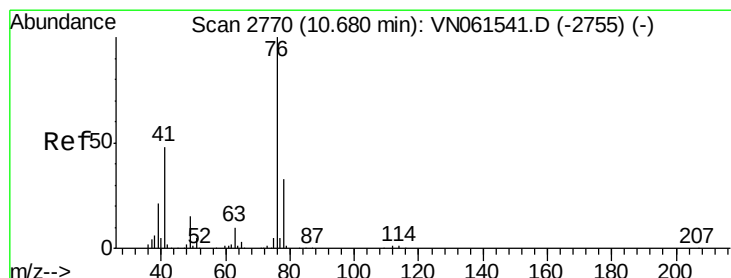
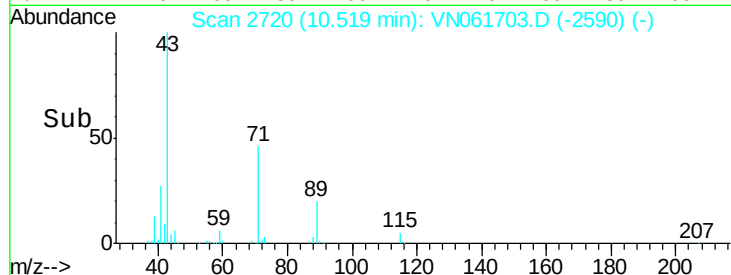
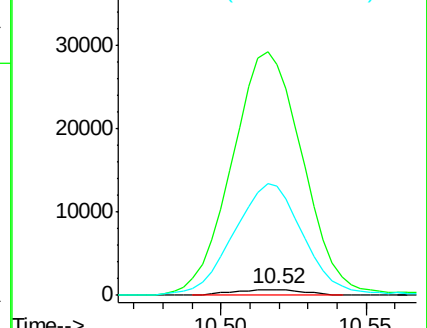
39 1925.7 27.0 40.6#



Abundance Ion 69.00 (68.70 to 69.70): VN061703.D (-2590) (-)

Ion 41.00 (40.70 to 41.70): VN061703.D (-2590) (-)

Ion 39.00 (38.70 to 39.70): VN061703.D (-2590) (-)



#57

1,3-Dichloropropane

Concen: 0.68 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN061703.D

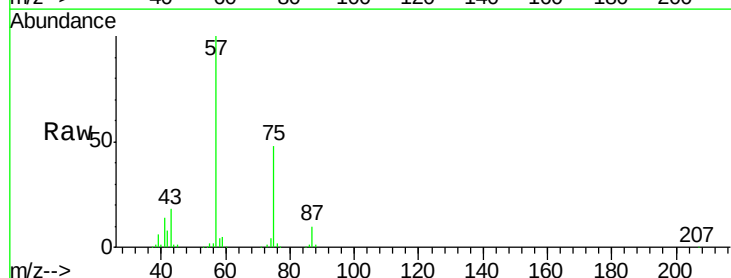
Acq: 8 Jun 2020 18:05

Tgt Ion: 76 Resp: 3747

Ion Ratio Lower Upper

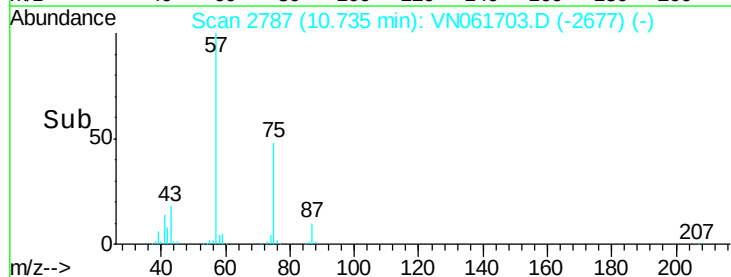
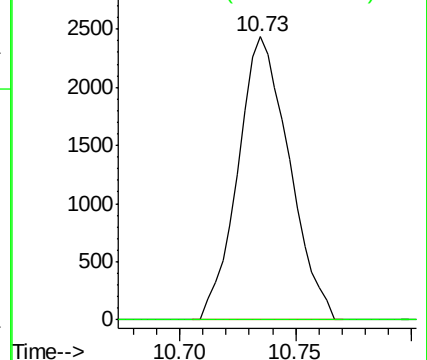
76 100

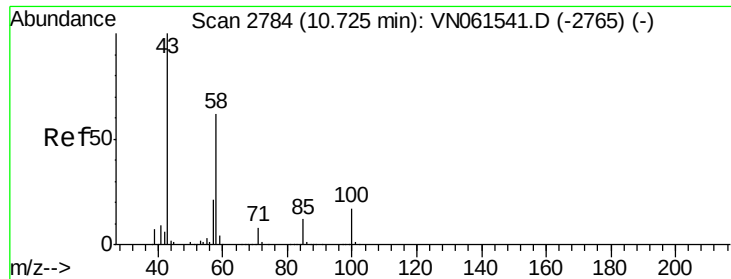
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN061703.D (-2677) (-)

Ion 77.90 (77.60 to 78.60): VN061703.D (-2677) (-)





#59

2-Hexanone

Concen: 17.14 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.01 min

Lab File: VN061703.D

Acq: 8 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

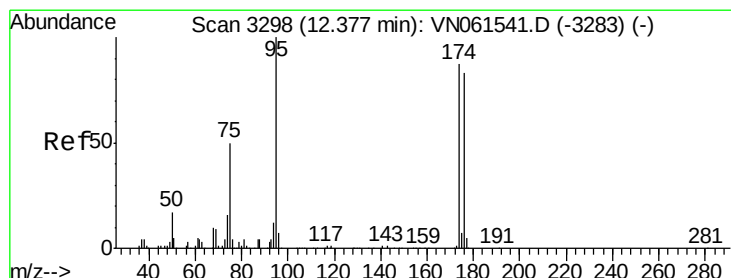
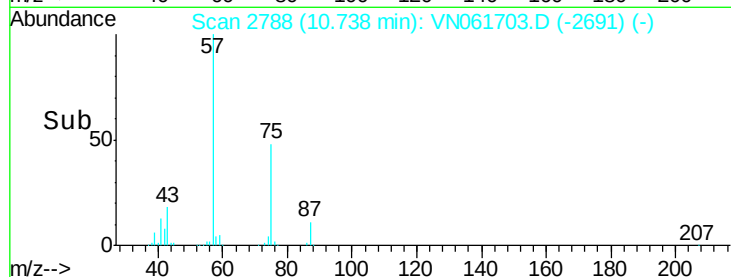
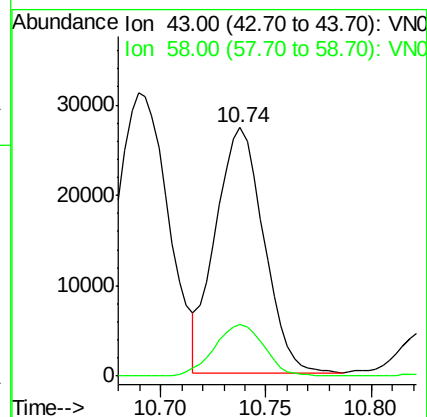
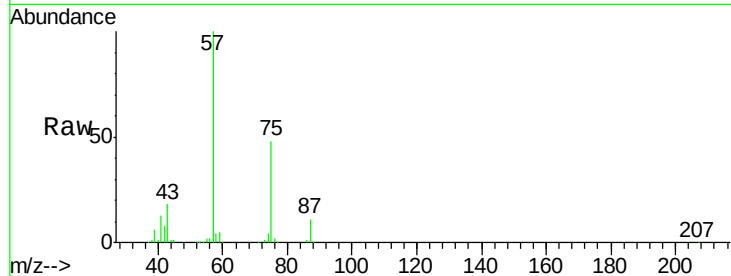
2020-06-02-FD02

Tgt Ion: 43 Resp: 43094

Ion Ratio Lower Upper

43 100

58 21.9 30.7 92.1#



#62

4-Bromofluorobenzene

Concen: 51.23 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061703.D

Acq: 8 Jun 2020 18:05

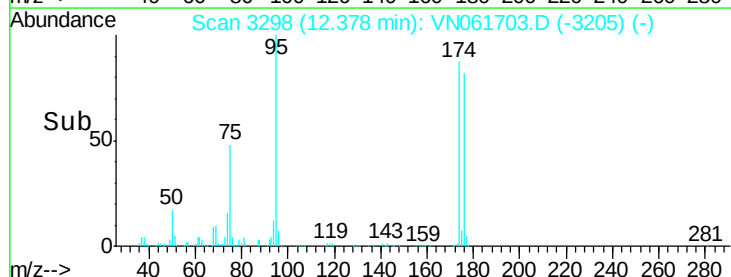
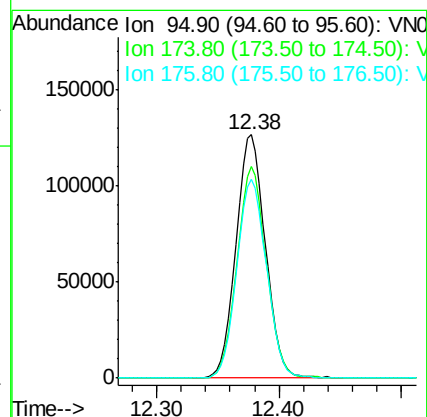
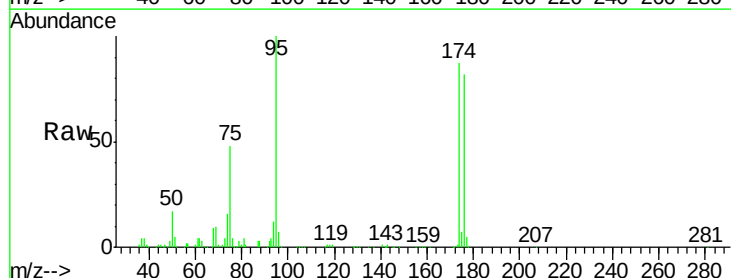
Tgt Ion: 95 Resp: 212793

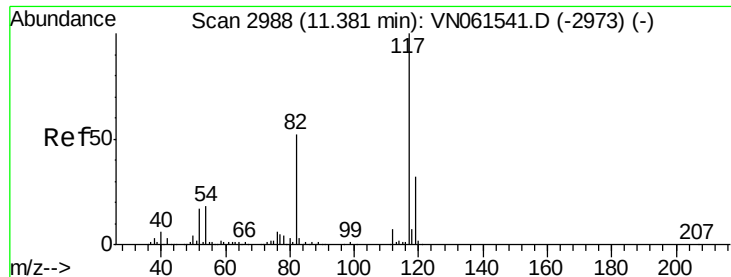
Ion Ratio Lower Upper

95 100

174 86.3 0.0 172.8

176 82.5 0.0 164.8

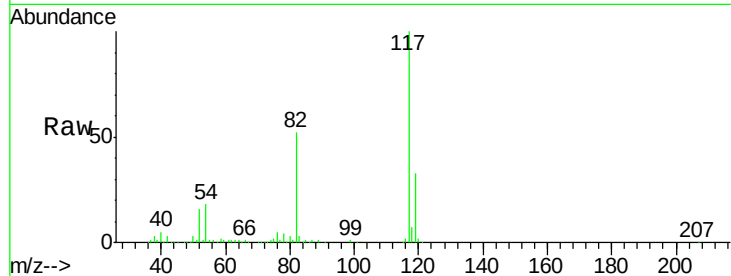




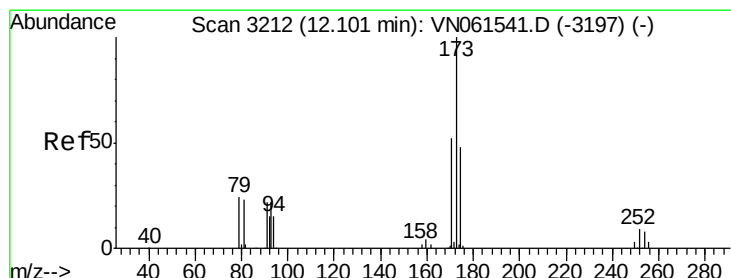
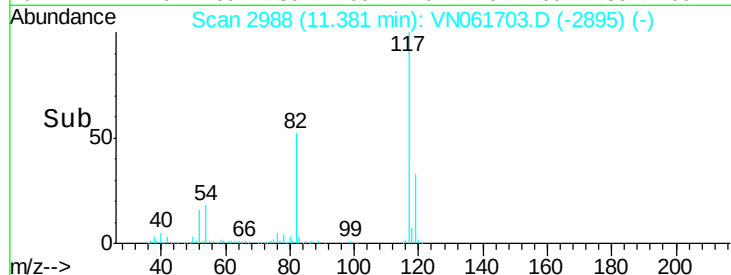
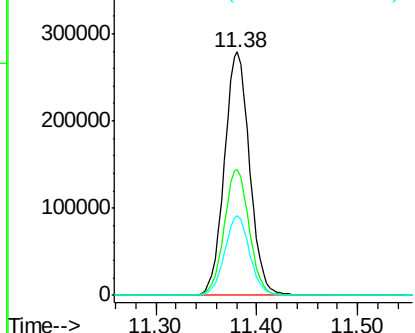
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061703.D
Acq: 8 Jun 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
2020-06-02-FD02

Tgt Ion:117 Resp: 488641
Ion Ratio Lower Upper
117 100
82 51.8 41.5 62.3
119 32.7 25.6 38.4

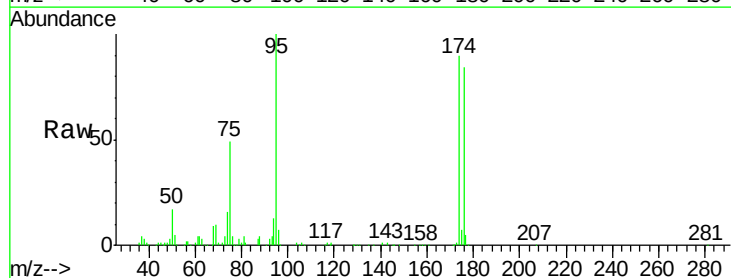


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

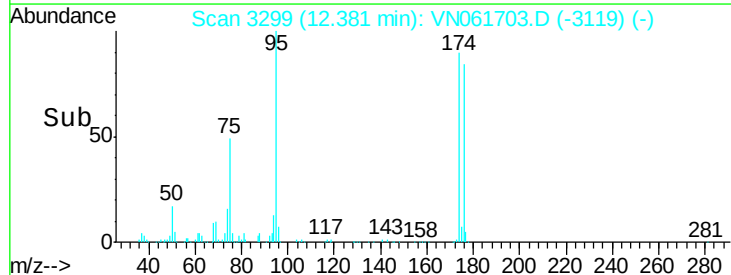
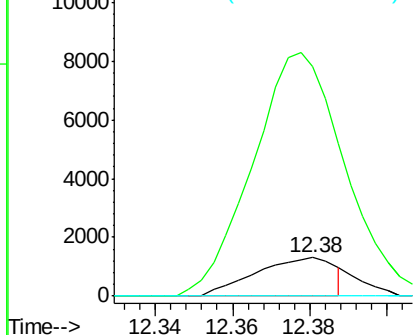


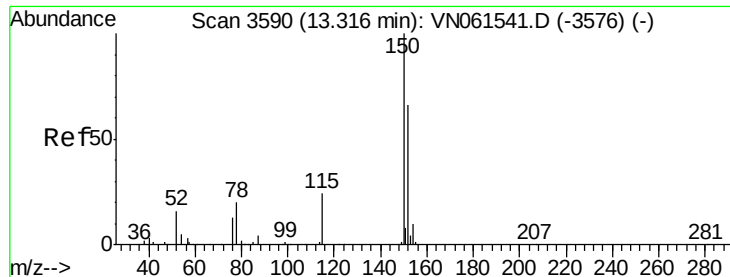
#71
Bromoform
Concen: 0.64 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN061703.D
Acq: 8 Jun 2020 18:05

Tgt Ion:173 Resp: 1869
Ion Ratio Lower Upper
173 100
175 623.3 24.4 73.2#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061703.D

Acq: 8 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

2020-06-02-FD02

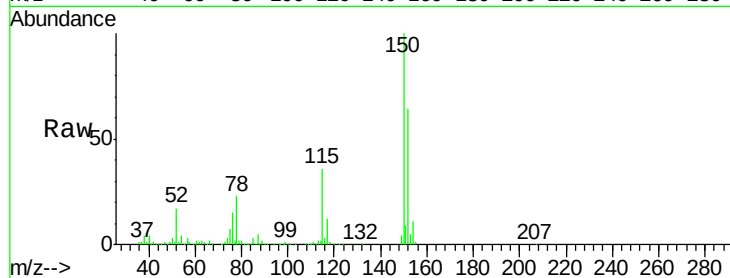
Tgt Ion:152 Resp: 220076

Ion Ratio Lower Upper

152 100

115 56.0 28.0 84.0

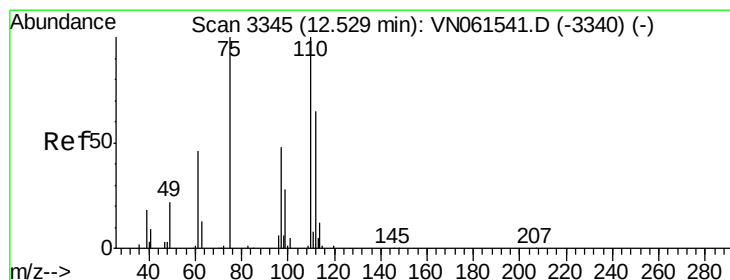
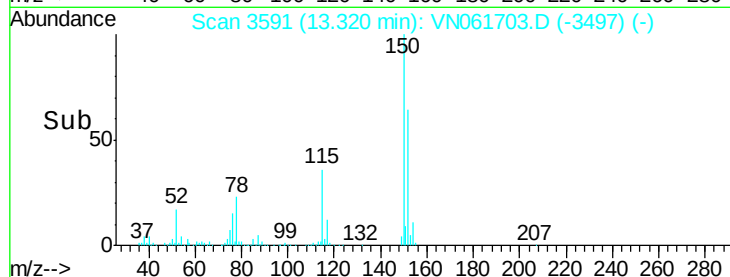
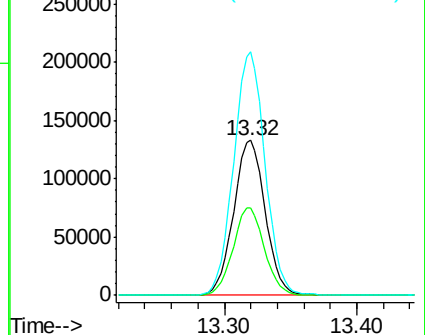
150 156.2 0.0 344.0



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: 25.98 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061703.D

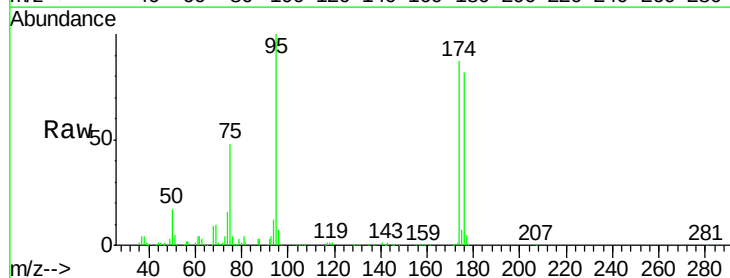
Acq: 8 Jun 2020 18:05

Tgt Ion: 75 Resp: 103960

Ion Ratio Lower Upper

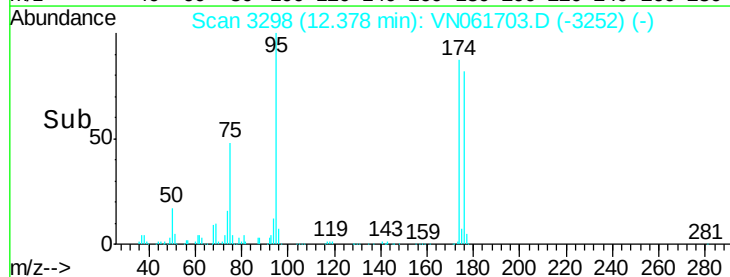
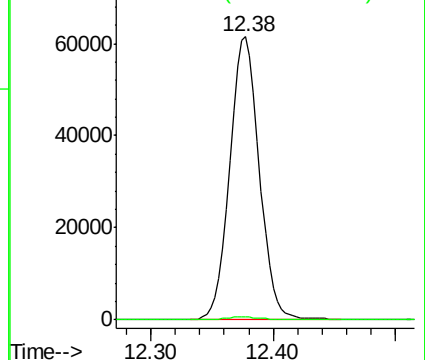
75 100

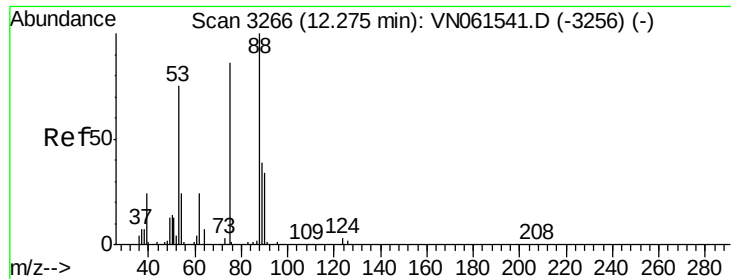
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.43 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061703.D

Acq: 8 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

2020-06-02-FD02

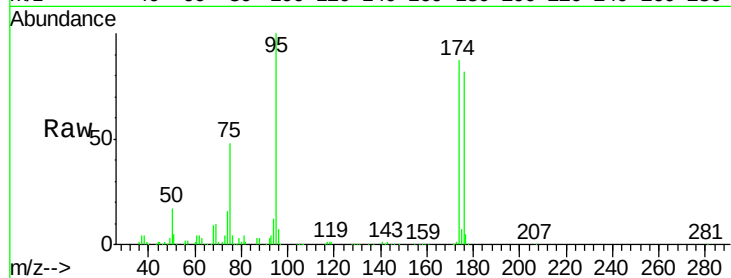
Tgt Ion: 75 Resp: 103960

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



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

