

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
 Data File : VN061678.D
 Acq On : 5 Jun 2020 18:38
 Operator : JC/MD
 Sample : L2921-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF012MW001-200603

Quant Time: Jun 06 03:24:35 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	307884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	525728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	508950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	235195	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	172424	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
35) Dibromofluoromethane	7.55	113	152426	57.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.30%	
50) Toluene-d8	10.06	98	624012	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.38	95	224360	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

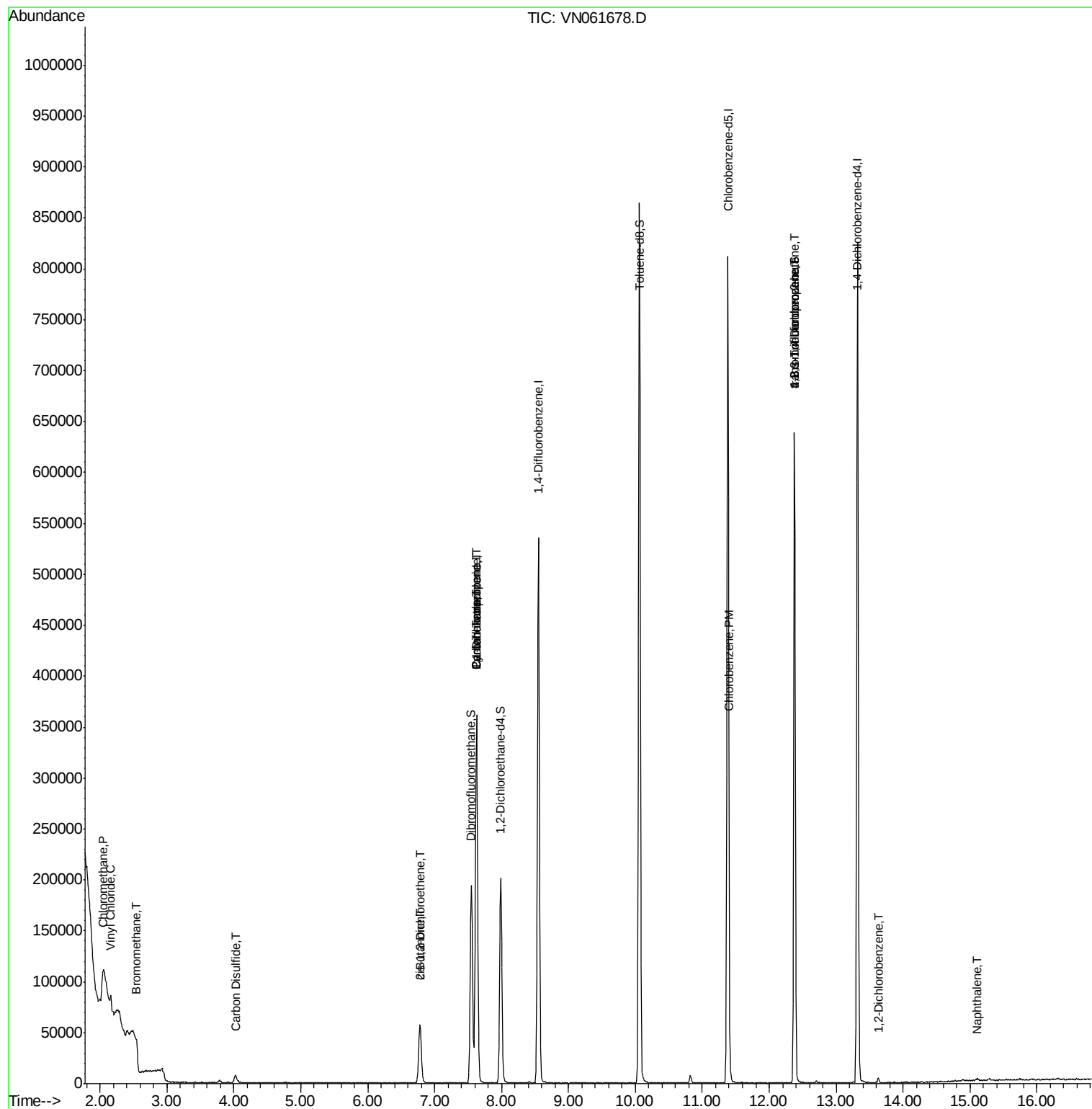
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1329	0.35	ug/l	93
4) Vinyl Chloride	2.16	62	11791	2.29	ug/l	97
5) Bromomethane	2.55	94	627	0.21	ug/l #	70
16) Acetone	3.79	43	4088	Below	Cal	94
17) Carbon Disulfide	4.01	76	1390	0.20	ug/l #	74
20) Methylene Chloride	4.50	84	69	Below	Cal #	46
25) 2-Butanone	6.78	43	623	0.36	ug/l #	42
27) cis-1,2-Dichloroethene	6.78	96	41207	10.26	ug/l	90
31) Cyclohexane	7.62	56	5742	1.11	ug/l #	12
36) 1,1-Dichloropropene	7.62	75	22536	4.84	ug/l #	49
38) Carbon Tetrachloride	7.63	117	29700	6.62	ug/l #	17
65) Chlorobenzene	11.41	112	3962	0.37	ug/l	95
76) 1,2,3-Trichloropropane	12.38	75	109455	25.59	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	109455	65.45	ug/l #	15
91) 1,2-Dichlorobenzene	13.63	146	2041	0.28	ug/l	91
95) Naphthalene	15.11	128	2723	0.21	ug/l #	82

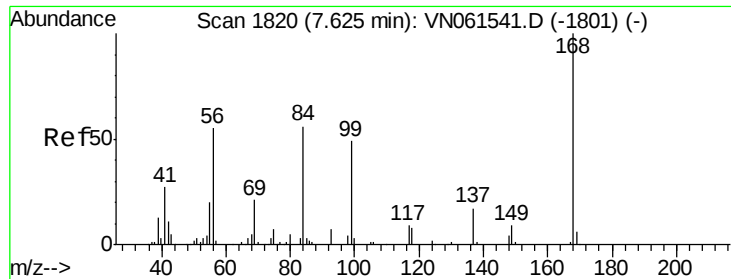
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

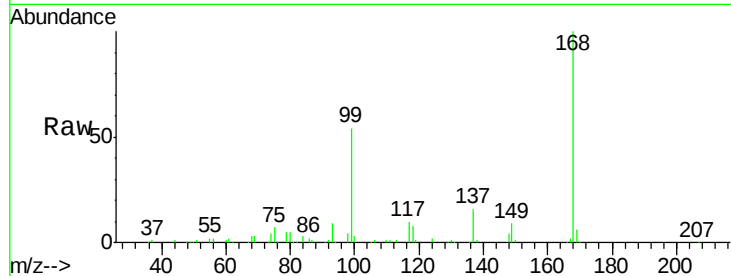
LF012MW001-200603

Tgt Ion: 168 Resp: 307884

Ion Ratio Lower Upper

168 100

99 54.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

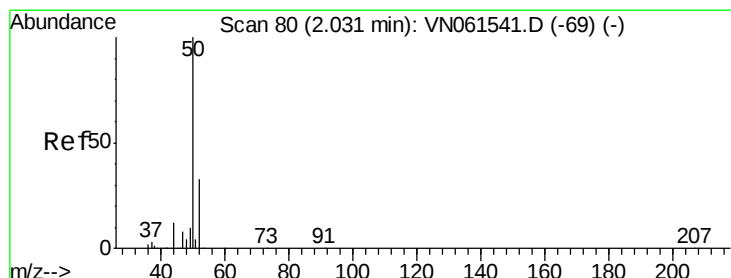
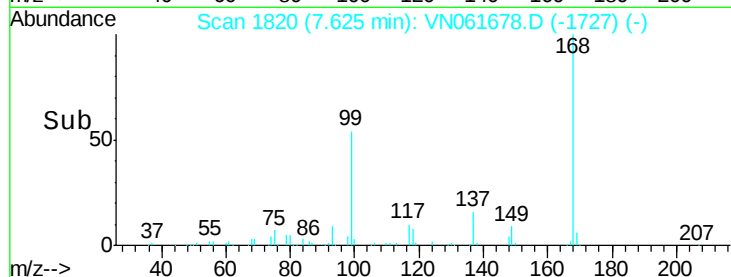
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.35 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061678.D

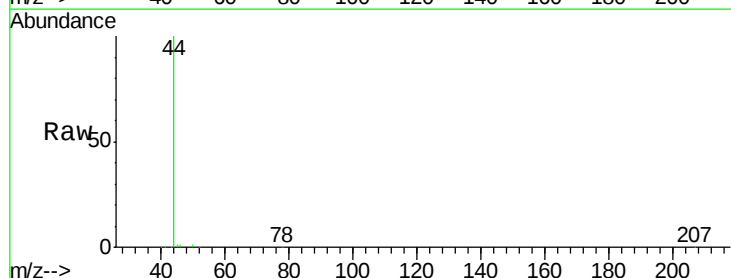
Acq: 5 Jun 2020 18:38

Tgt Ion: 50 Resp: 1329

Ion Ratio Lower Upper

50 100

52 29.5 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

1200

1000

800

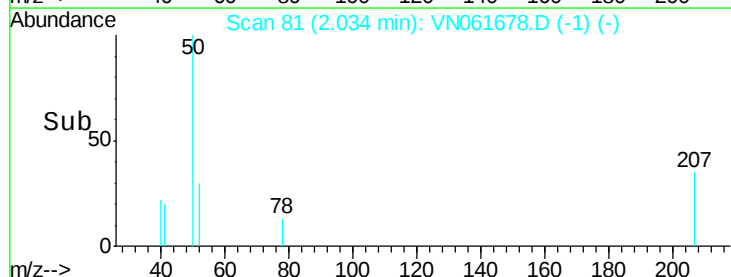
600

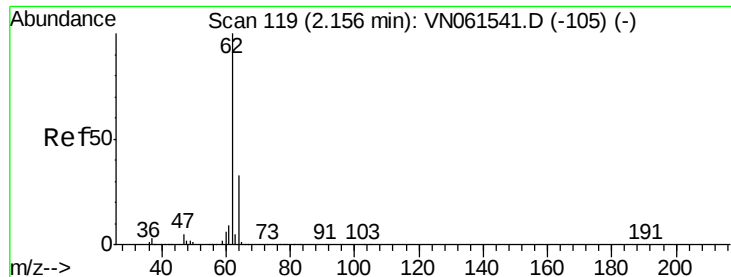
400

200

0

Time--> 2.00 2.02 2.04 2.06





#4

Vinyl Chloride

Concen: 2.29 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

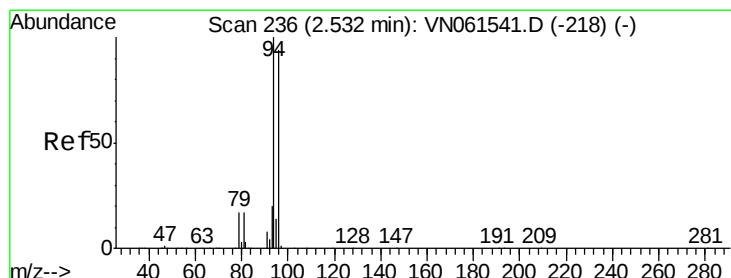
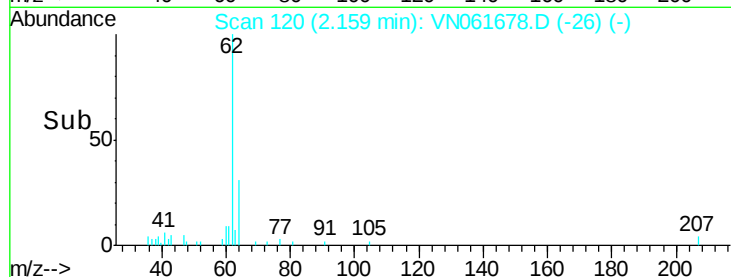
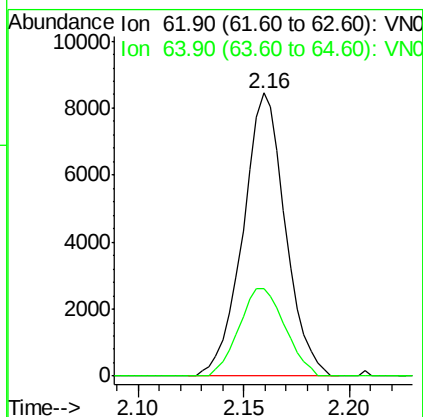
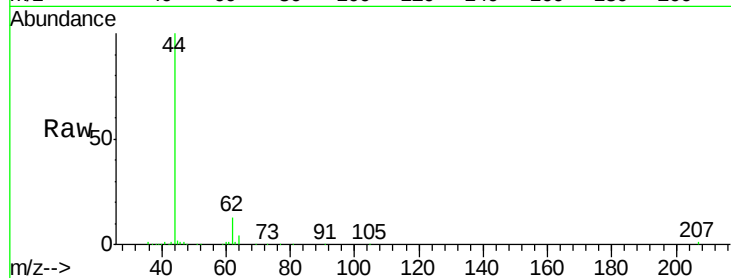
LF012MW001-200603

Tgt Ion: 62 Resp: 11791

Ion Ratio Lower Upper

62 100

64 30.9 26.2 39.2



#5

Bromomethane

Concen: 0.21 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN061678.D

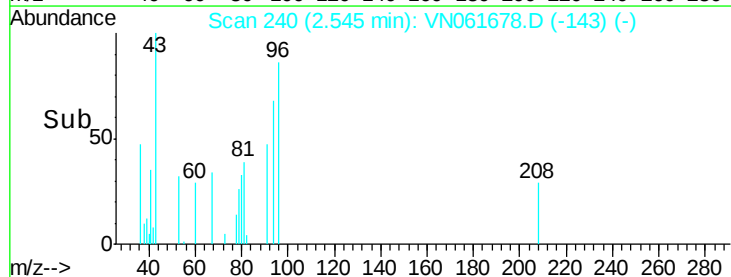
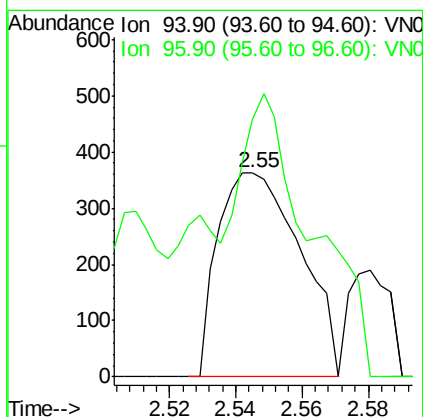
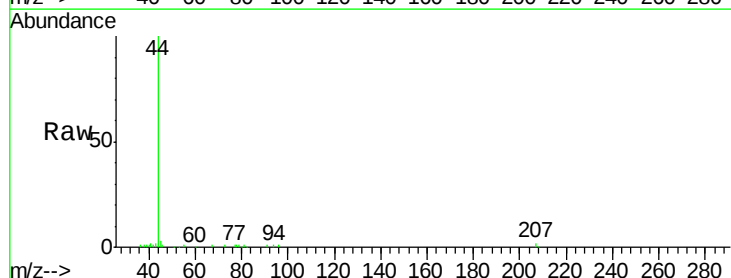
Acq: 5 Jun 2020 18:38

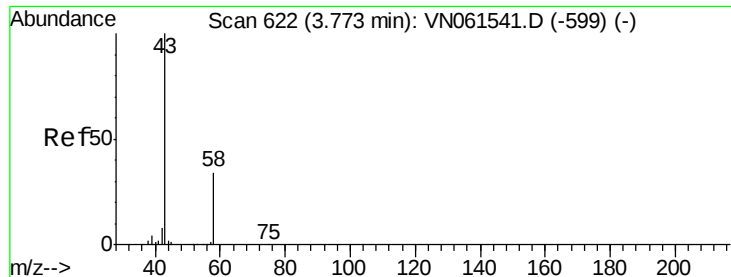
Tgt Ion: 94 Resp: 627

Ion Ratio Lower Upper

94 100

96 64.7 74.8 112.2#

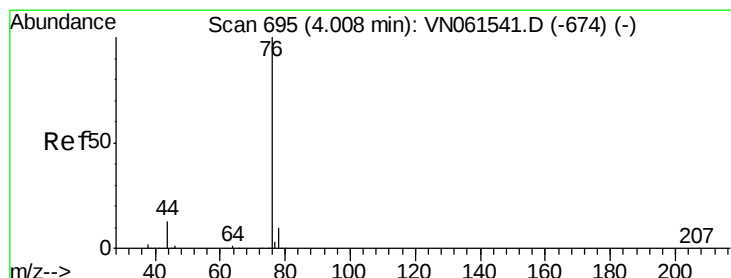
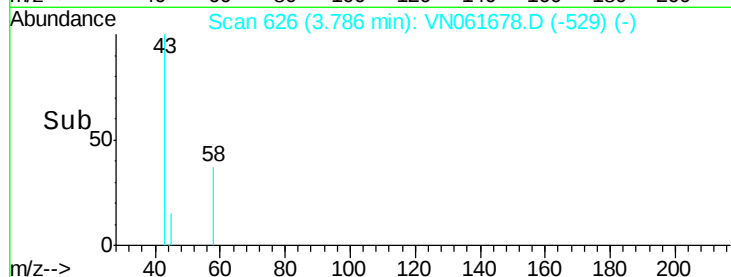
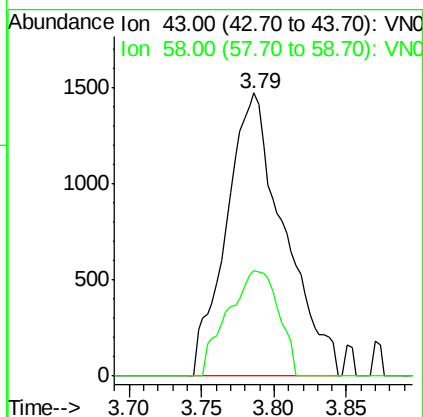
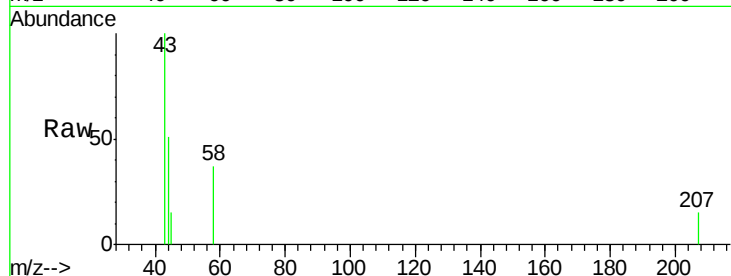




#16
Acetone
Concen: Below Cal
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN061678.D
Acq: 5 Jun 2020 18:38

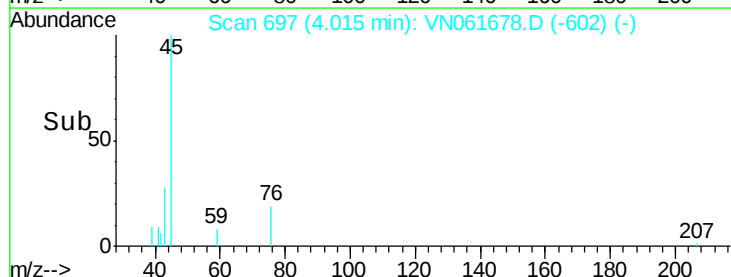
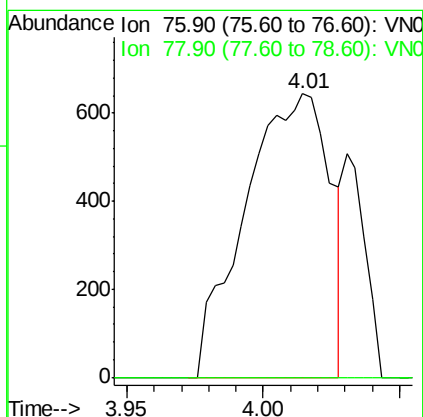
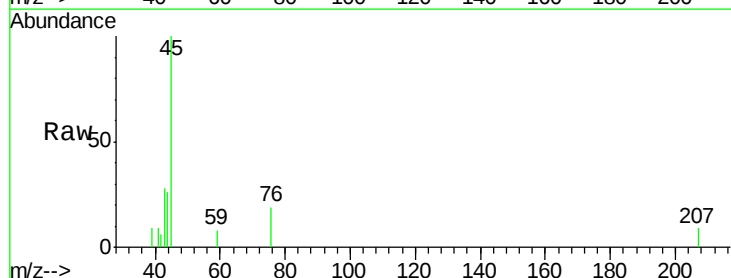
Instrument :
MSVOA_N
ClientSampleId :
LF012MW001-200603

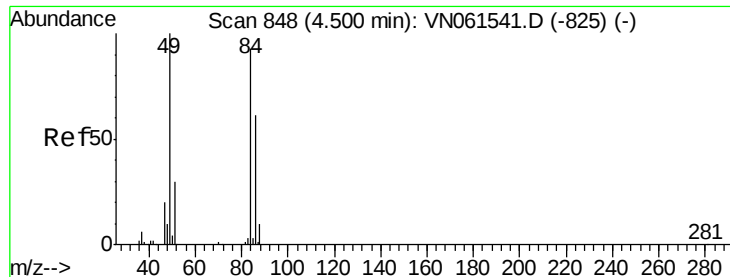
Tgt Ion: 43 Resp: 4088
Ion Ratio Lower Upper
43 100
58 37.2 27.2 40.8



#17
Carbon Disulfide
Concen: 0.20 ug/l
RT: 4.01 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN061678.D
Acq: 5 Jun 2020 18:38

Tgt Ion: 76 Resp: 1390
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

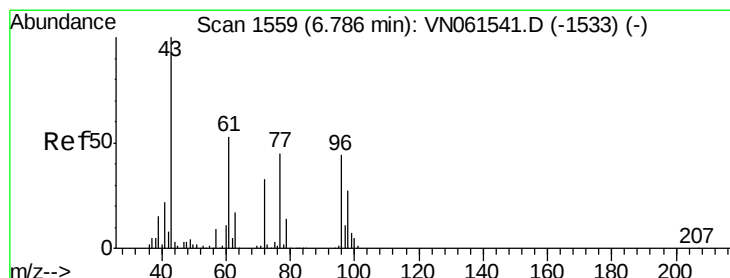
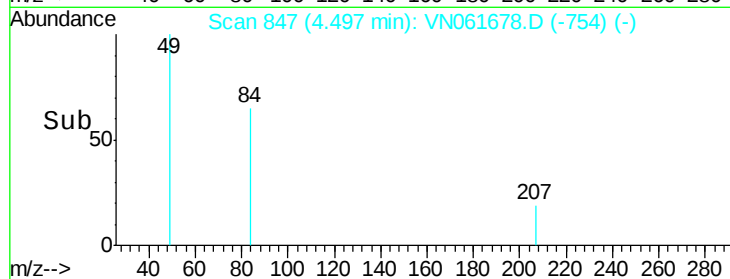
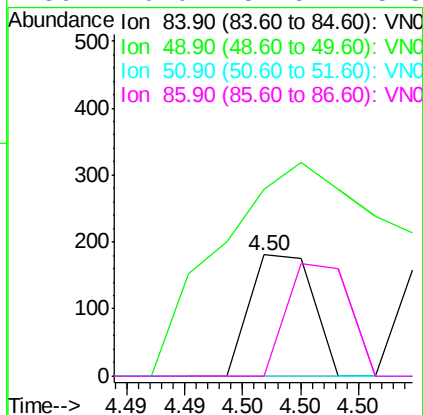
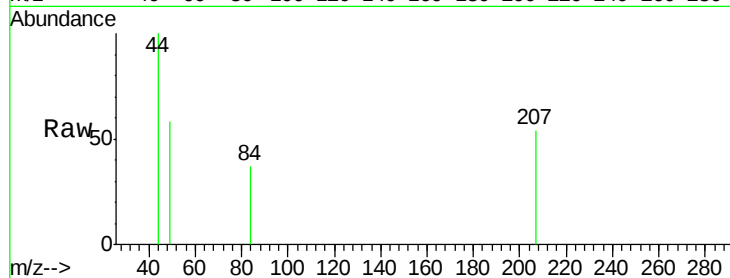




#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061678.D
Acq: 5 Jun 2020 18:38

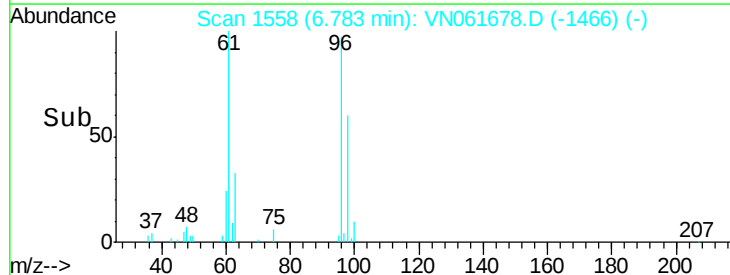
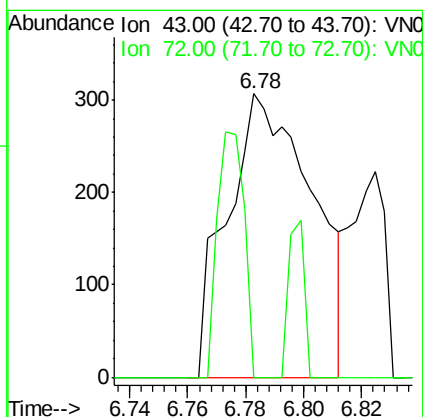
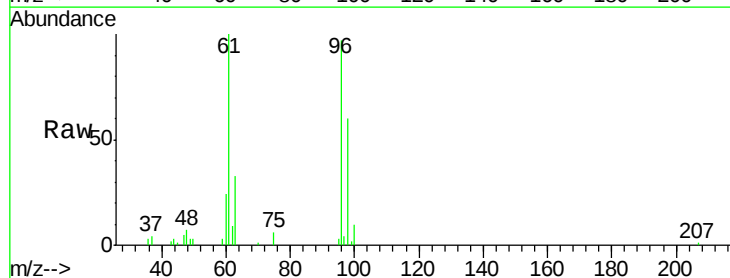
Instrument :
MSVOA_N
ClientSampleId :
LF012MW001-200603

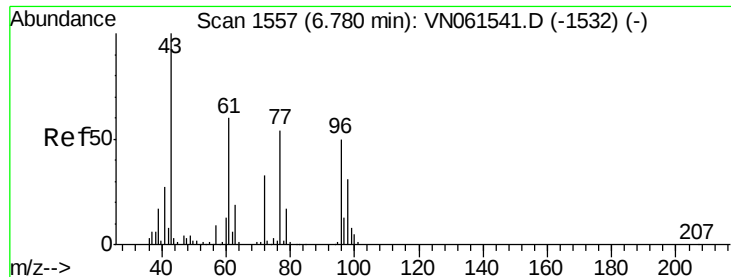
Tgt Ion: 84 Resp: 69
Ion Ratio Lower Upper
84 100
49 70.2 85.8 128.8#
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#



#25
2-Butanone
Concen: 0.36 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061678.D
Acq: 5 Jun 2020 18:38

Tgt Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
72 0.0 26.0 39.0#





#27

cis-1,2-Dichloroethene

Concen: 10.26 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

LF012MW001-200603

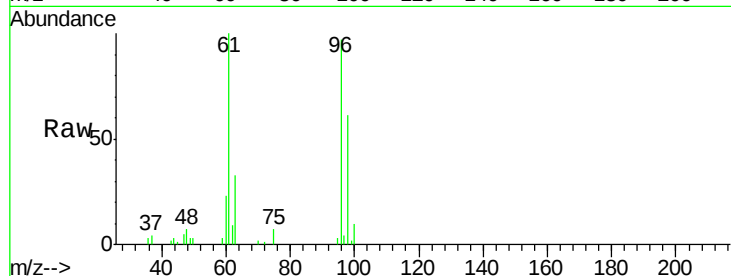
Tgt Ion: 96 Resp: 41207

Ion Ratio Lower Upper

96 100

61 108.7 0.0 252.2

98 64.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061678.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061678.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061678.D (-1464) (-)

6.78

15000

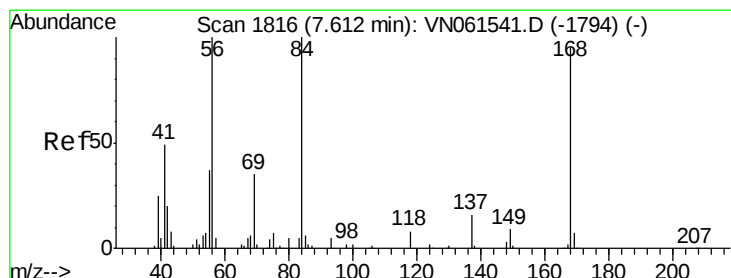
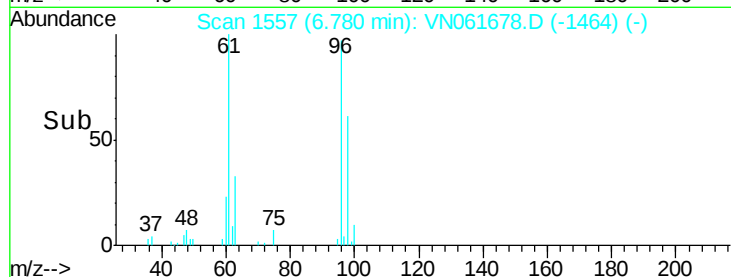
10000

5000

0

6.70 6.80 6.90

Time-->



#31

Cyclohexane

Concen: 1.11 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

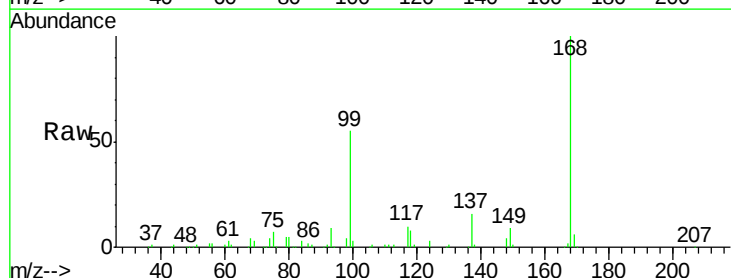
Tgt Ion: 56 Resp: 5742

Ion Ratio Lower Upper

56 100

69 172.3 27.8 41.8#

84 136.2 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN061678.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061678.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061678.D (-1723) (-)

7.62

5000

4000

3000

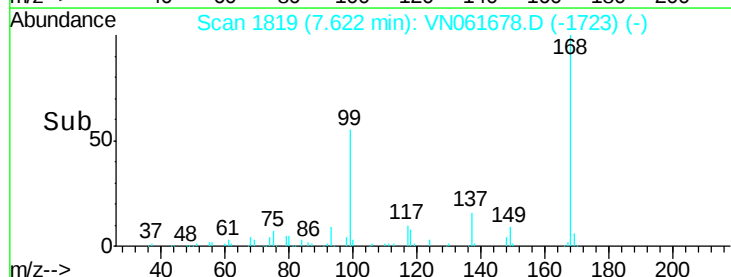
2000

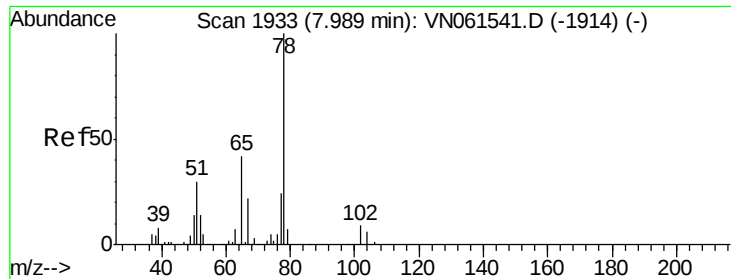
1000

0

7.55 7.60 7.65

Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.00 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

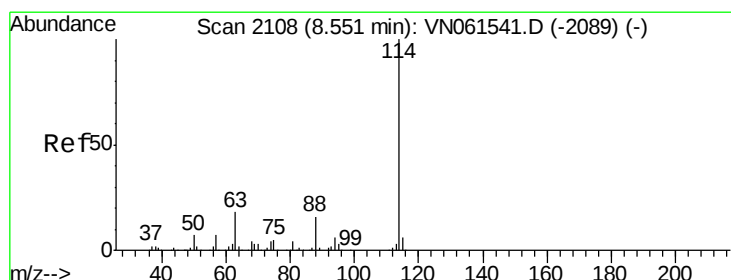
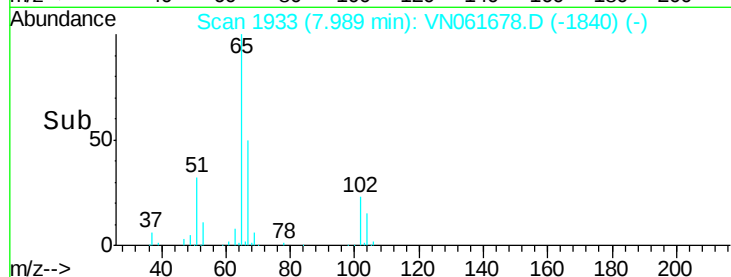
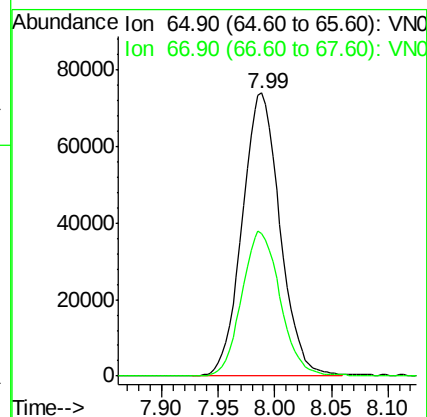
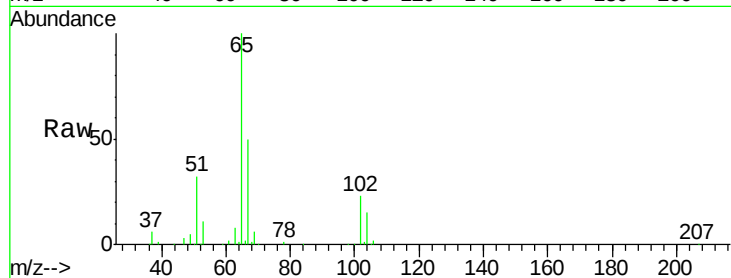
LF012MW001-200603

Tgt Ion: 65 Resp: 172424

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

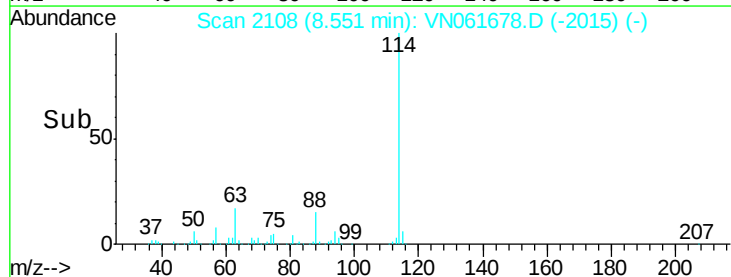
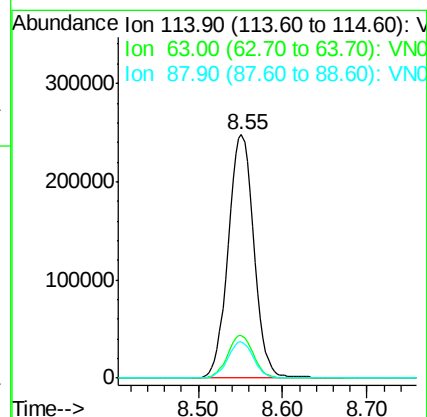
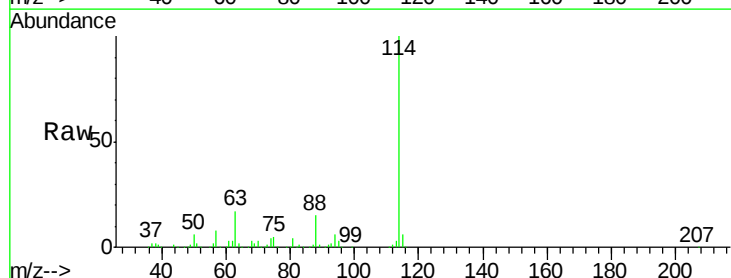
Tgt Ion: 114 Resp: 525728

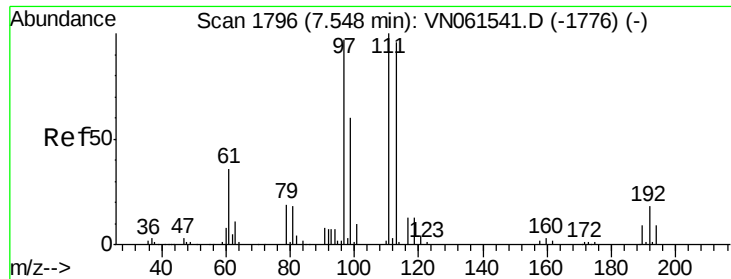
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.8

88 14.8 0.0 31.0

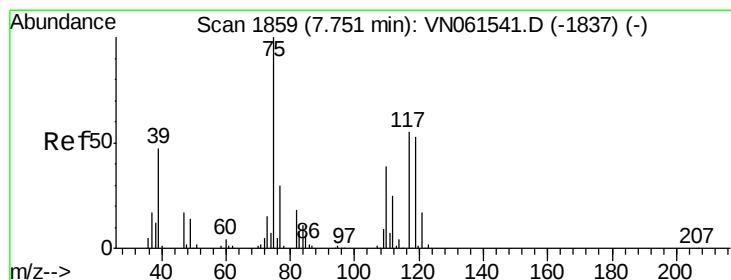
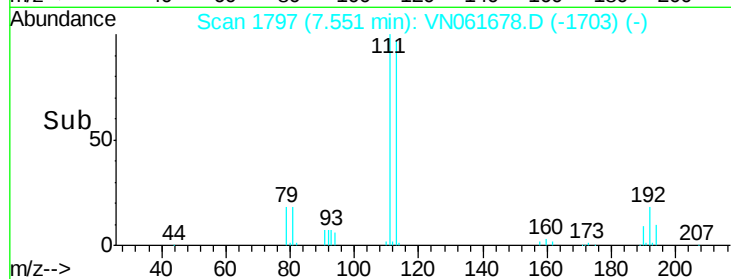
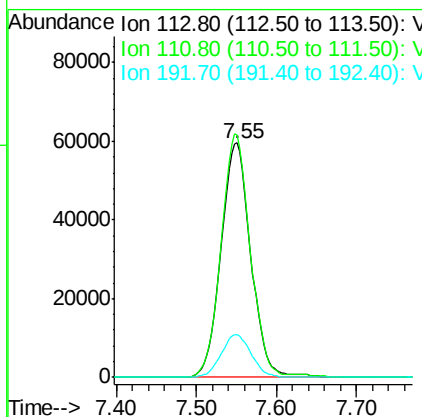
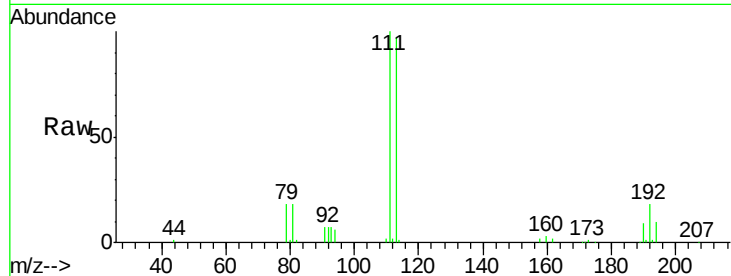




#35
Dibromofluoromethane
Concen: 57.15 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN061678.D
Acq: 5 Jun 2020 18:38

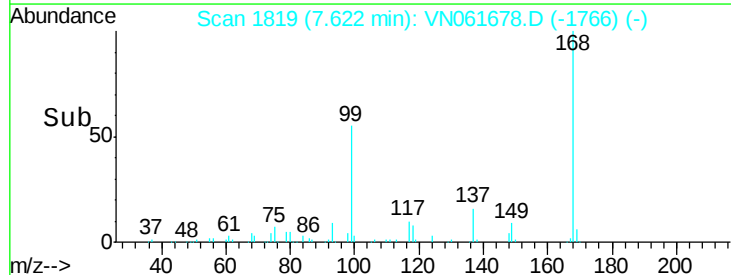
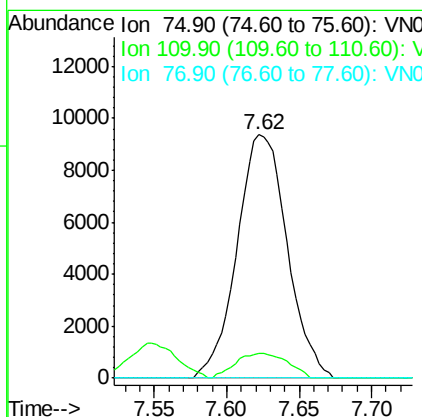
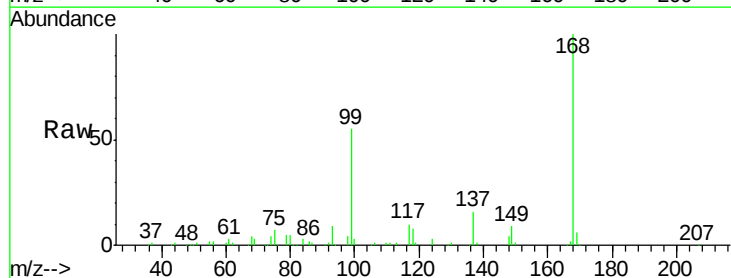
Instrument :
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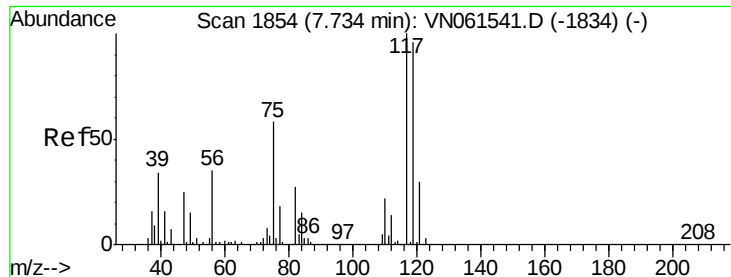
Tgt Ion:113 Resp: 152426
Ion Ratio Lower Upper
113 100
111 101.1 83.4 125.0
192 18.6 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.84 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.13 min
Lab File: VN061678.D
Acq: 5 Jun 2020 18:38

Tgt Ion: 75 Resp: 22536
Ion Ratio Lower Upper
75 100
110 10.6 19.5 58.5#
77 0.0 24.7 37.1#

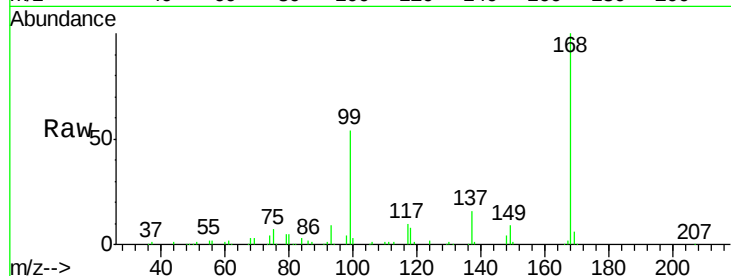




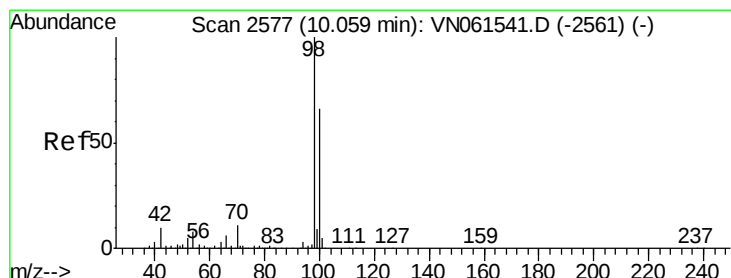
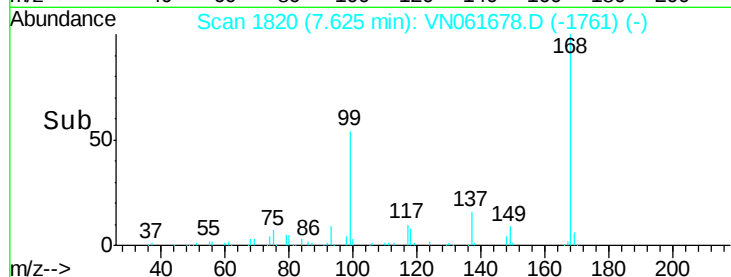
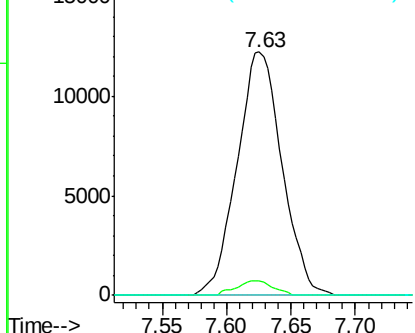
#38
Carbon Tetrachloride
Concen: 6.62 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061678.D
Acq: 5 Jun 2020 18:38

Instrument :
MSVOA_N
ClientSampleId :
LF012MW001-200603

Tgt Ion: 117 Resp: 29700
Ion Ratio Lower Upper
117 100
119 5.7 76.5 114.7#
121 0.0 24.1 36.1#

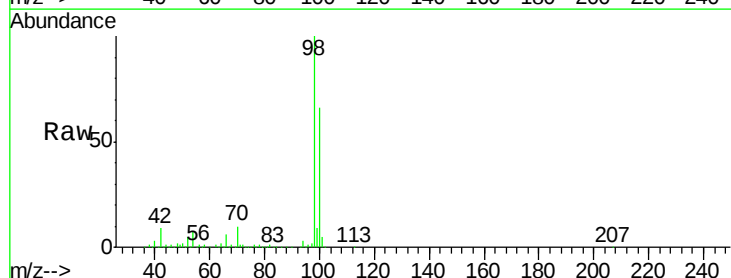


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

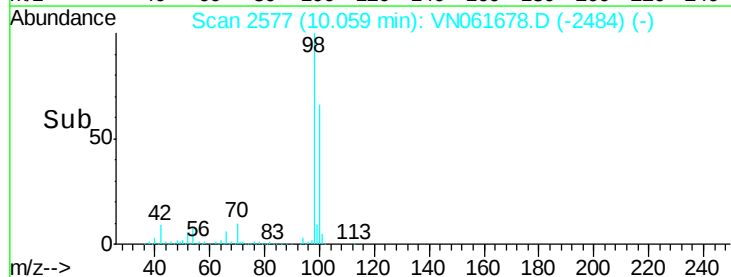
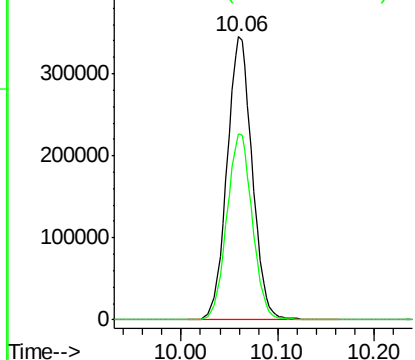


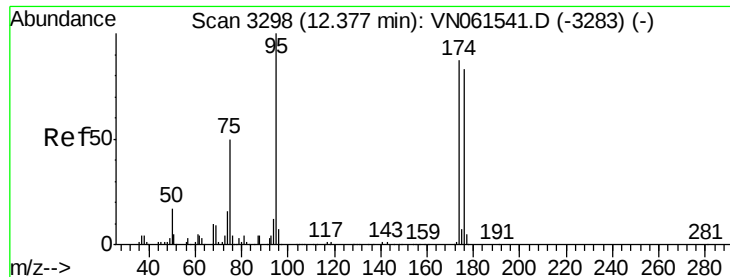
#50
Toluene-d8
Concen: 50.49 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061678.D
Acq: 5 Jun 2020 18:38

Tgt Ion: 98 Resp: 624012
Ion Ratio Lower Upper
98 100
100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 49.76 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

LF012MW001-200603

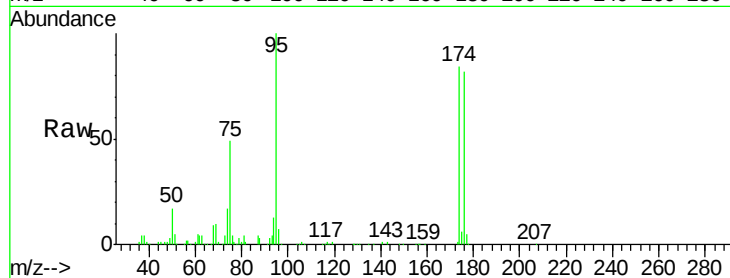
Tgt Ion: 95 Resp: 224360

Ion Ratio Lower Upper

95 100

174 84.2 0.0 172.8

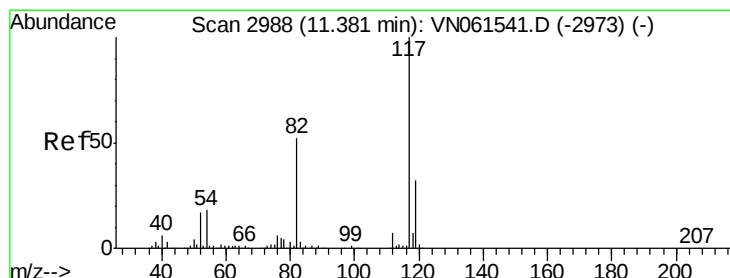
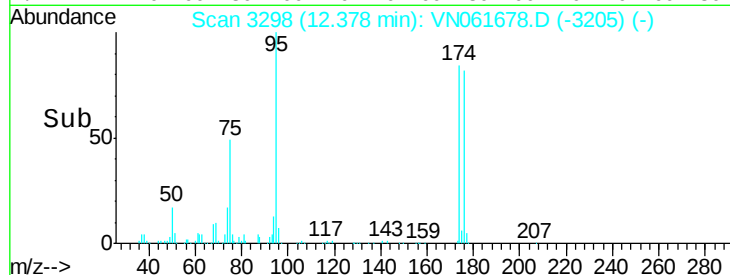
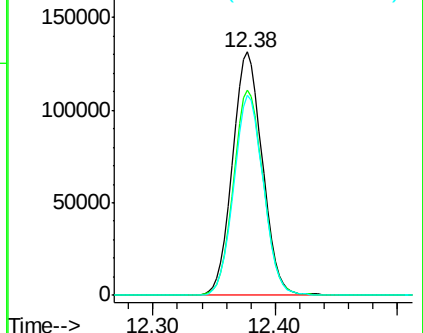
176 81.3 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN

Ion 173.80 (173.50 to 174.50): VN

Ion 175.80 (175.50 to 176.50): VN



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

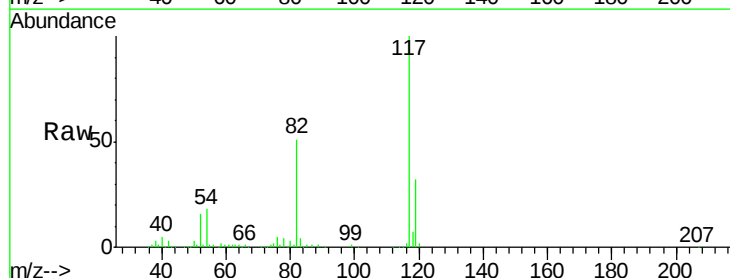
Tgt Ion: 117 Resp: 508950

Ion Ratio Lower Upper

117 100

82 51.3 41.5 62.3

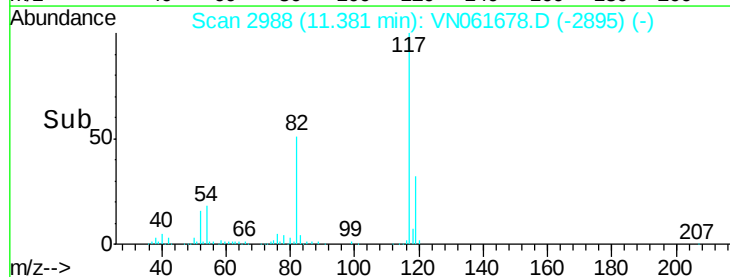
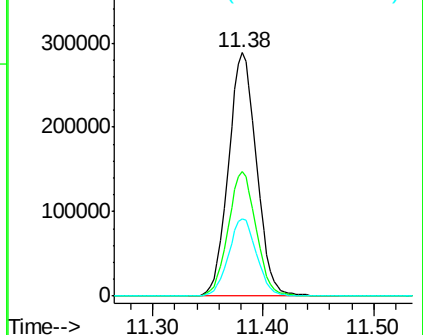
119 32.0 25.6 38.4

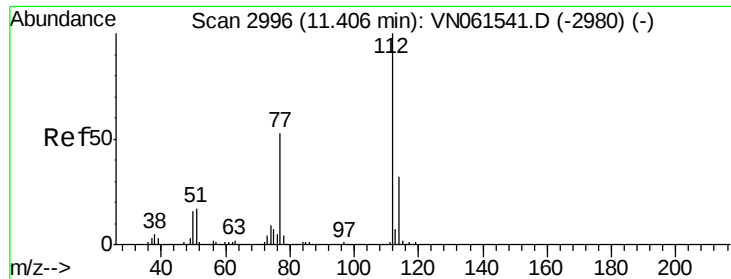


Abundance Ion 116.90 (116.60 to 117.60): VN

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): VN





#65

Chlorobenzene

Concen: 0.37 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

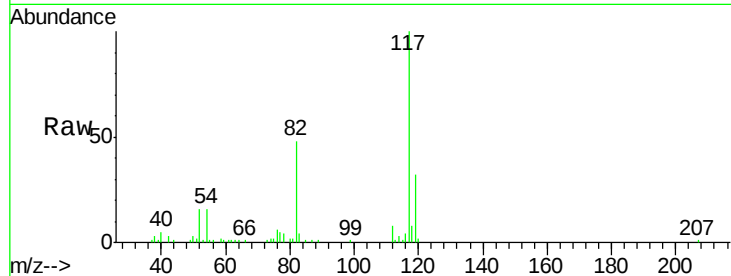
LF012MW001-200603

Tgt Ion:112 Resp: 3962

Ion Ratio Lower Upper

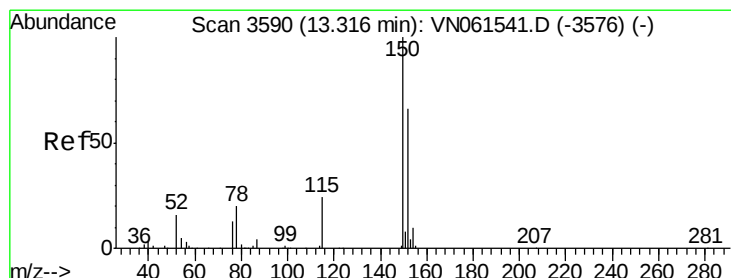
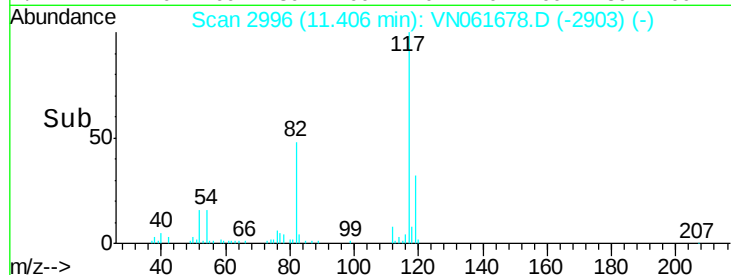
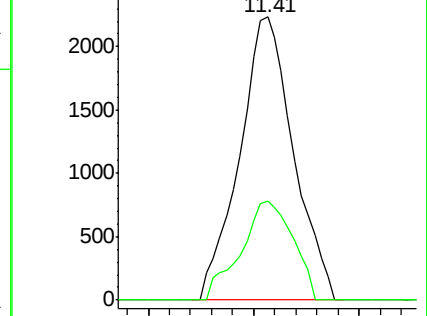
112 100

114 35.1 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VN061678.D

Acq: 5 Jun 2020 18:38

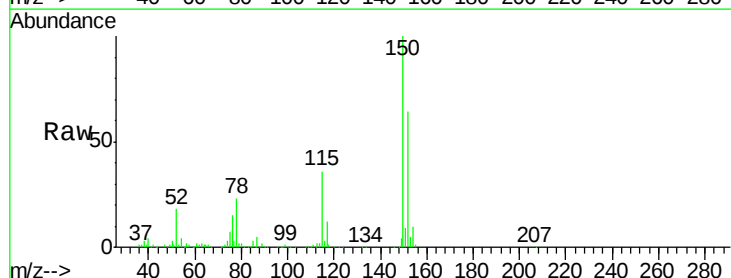
Tgt Ion:152 Resp: 235195

Ion Ratio Lower Upper

152 100

115 56.7 28.0 84.0

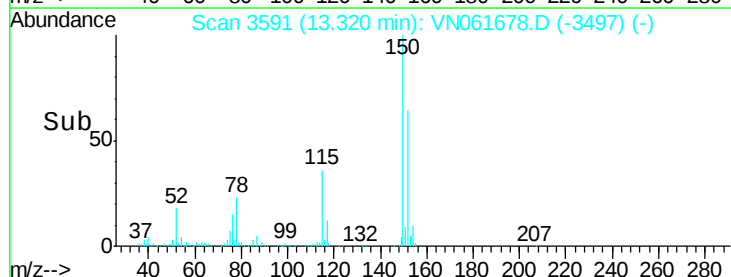
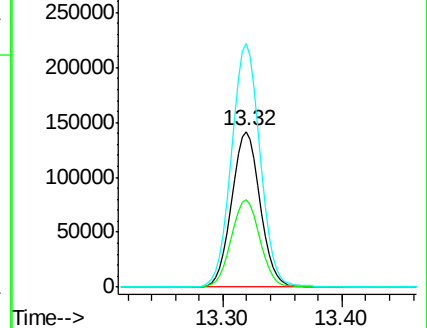
150 157.5 0.0 344.0

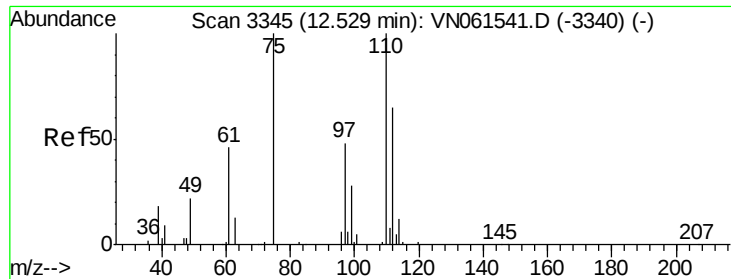


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.59 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

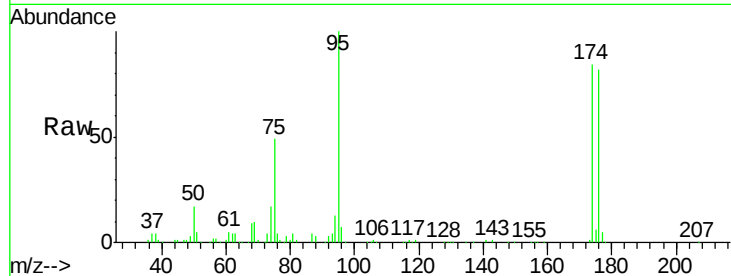
LF012MW001-200603

Tgt Ion: 75 Resp: 109455

Ion Ratio Lower Upper

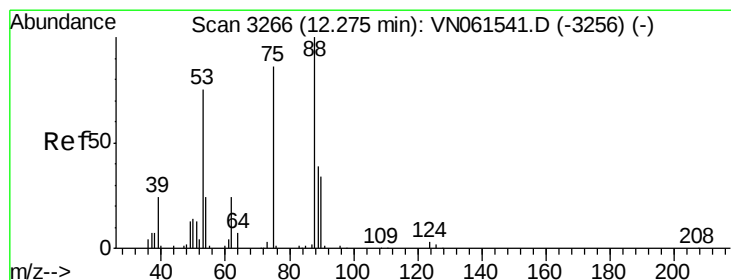
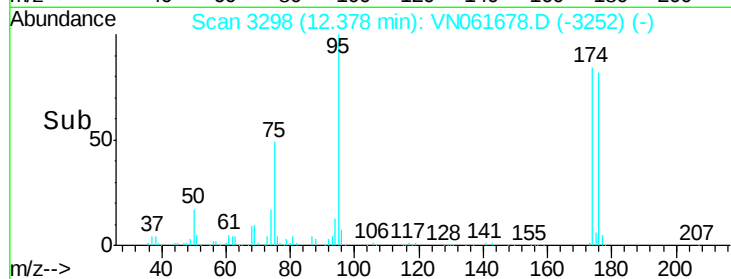
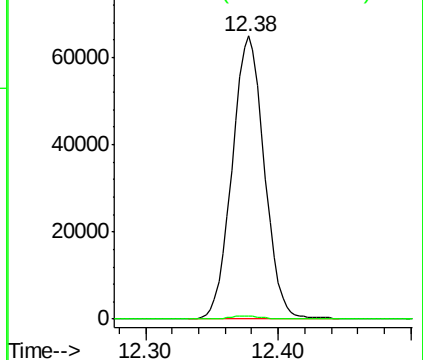
75 100

77 1.0 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: 65.45 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

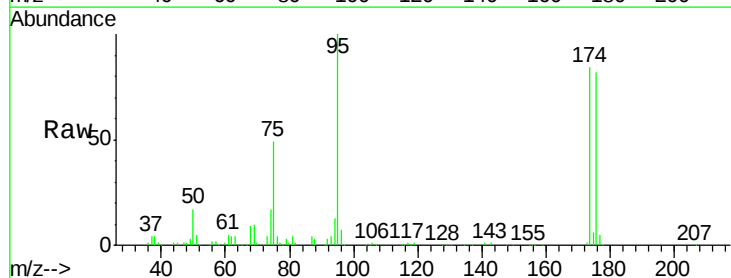
Tgt Ion: 75 Resp: 109455

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

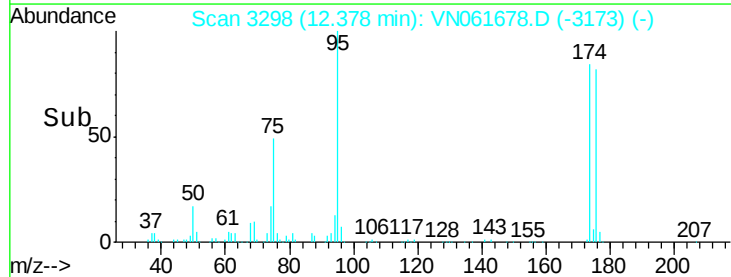
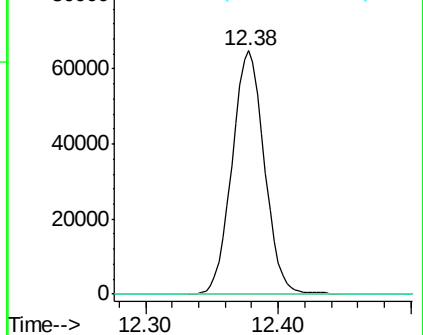
89 0.0 37.1 55.7#

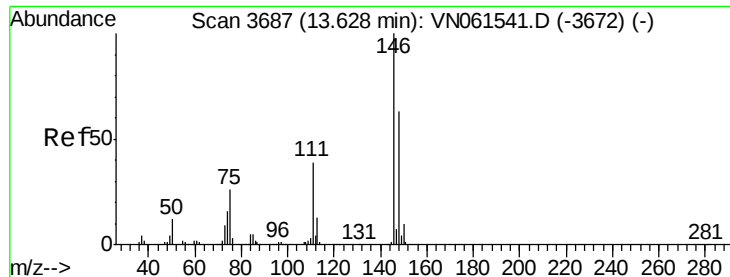


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#91

1,2-Dichlorobenzene

Concen: 0.28 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

LF012MW001-200603

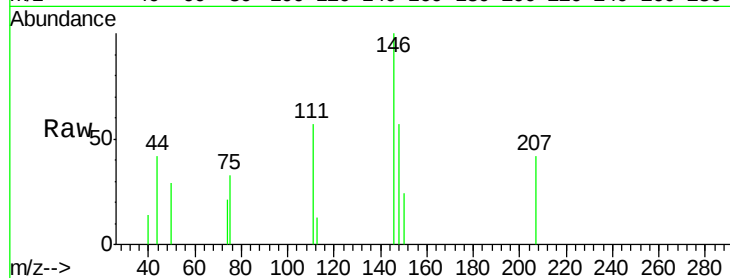
Tgt Ion:146 Resp: 2041

Ion Ratio Lower Upper

146 100

111 50.7 20.1 60.2

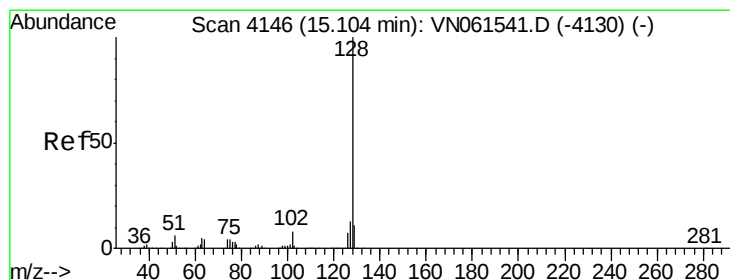
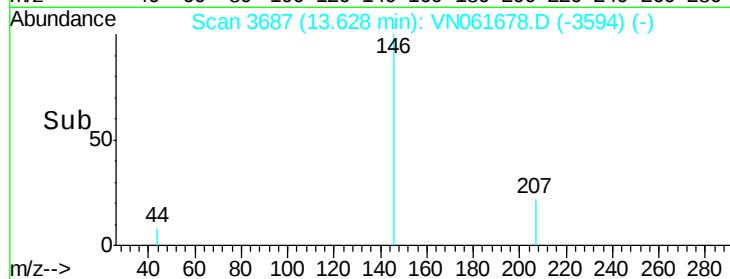
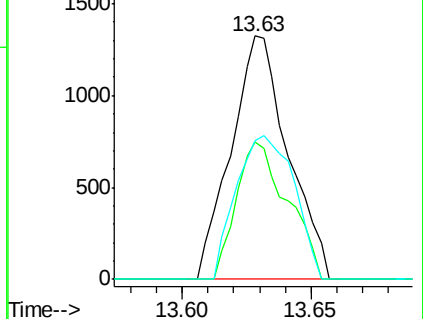
148 60.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 0.21 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN061678.D

Acq: 5 Jun 2020 18:38

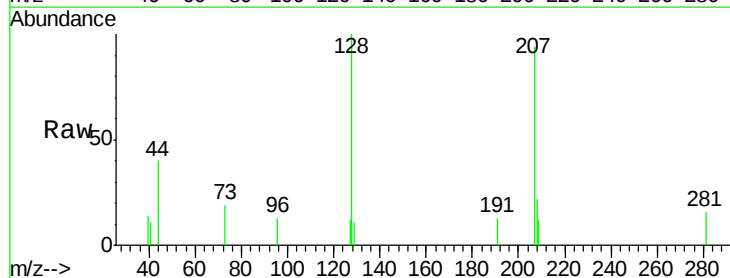
Tgt Ion:128 Resp: 2723

Ion Ratio Lower Upper

128 100

127 5.1 10.0 15.0#

129 4.4 8.5 12.7#



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

