

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
 Data File : VN061683.D
 Acq On : 5 Jun 2020 20:35
 Operator : JC/MD
 Sample : L2921-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF012MW029-200604

Quant Time: Jun 06 03:25:38 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	298755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	514788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	501937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	228638	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	173269	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.55	113	148421	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	
50) Toluene-d8	10.06	98	612188	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.38	95	221230	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

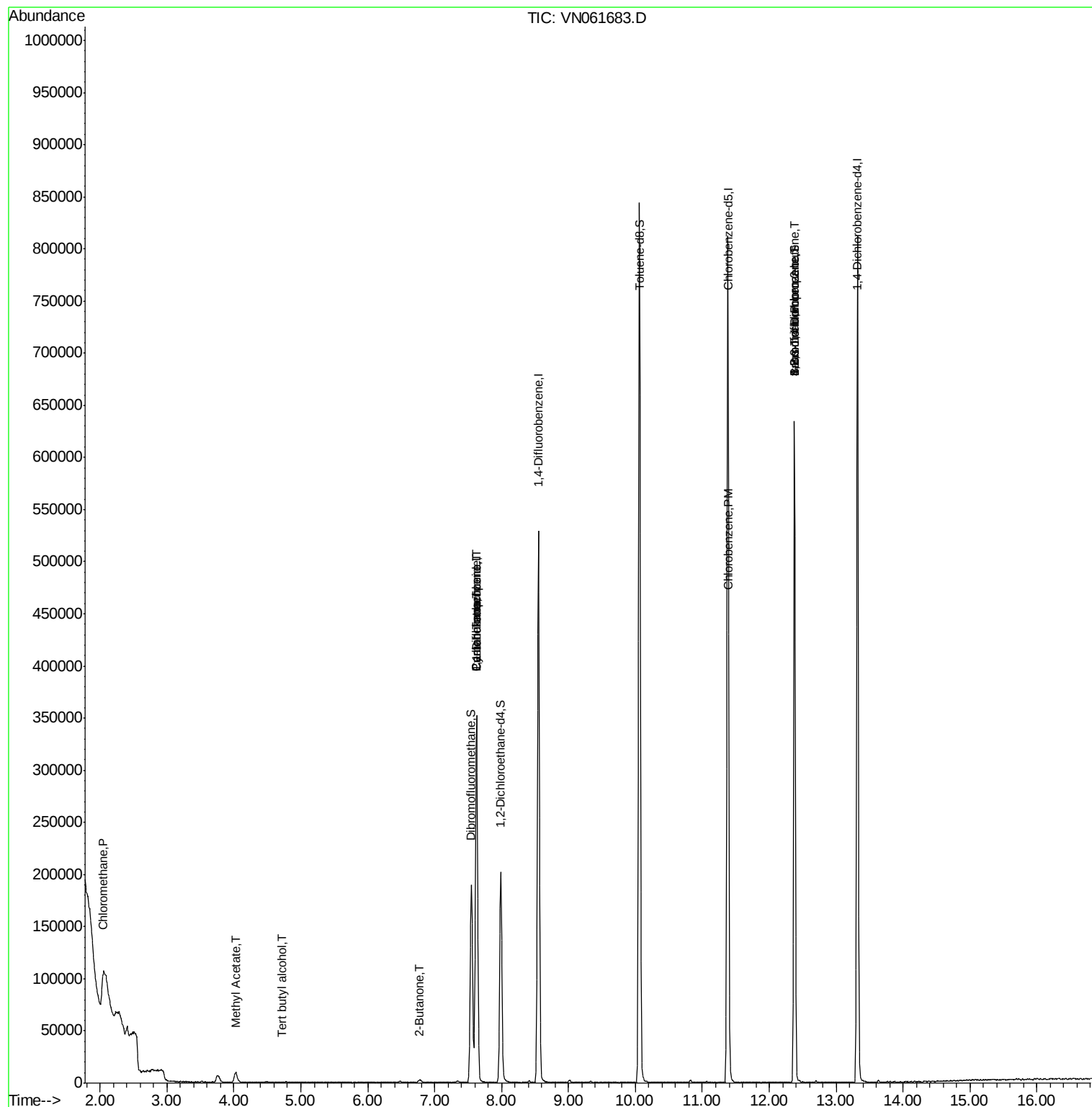
Target Compounds						Qvalue
3) Chloromethane	2.04	50	1573	0.43	ug/l	91
11) Tert butyl alcohol	4.72	59	227	0.48	ug/l #	72
13) Acrolein	3.75	56	1473	Below	Cal #	34
16) Acetone	3.76	43	394	Below	Cal	95
18) Methyl Acetate	4.03	43	4397	1.36	ug/l #	46
20) Methylene Chloride	4.49	84	97	Below	Cal #	55
25) 2-Butanone	6.77	43	492	0.29	ug/l #	42
31) Cyclohexane	7.63	56	5447	1.09	ug/l #	28
36) 1,1-Dichloropropene	7.63	75	19888	4.36	ug/l #	47
38) Carbon Tetrachloride	7.63	117	29050	6.61	ug/l #	16
65) Chlorobenzene	11.40	112	4469	0.43	ug/l	99
71) Bromoform	12.38	173	1848	0.62	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	107779	25.92	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	107779	66.29	ug/l #	15

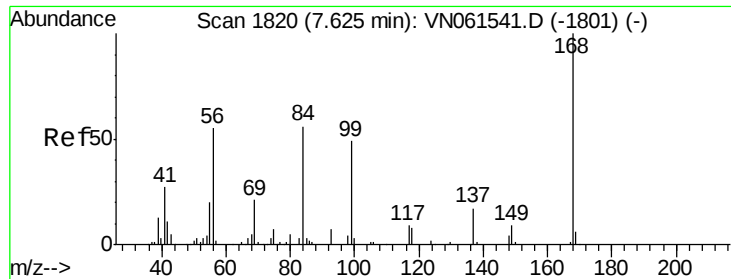
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061683.D

Acq: 5 Jun 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

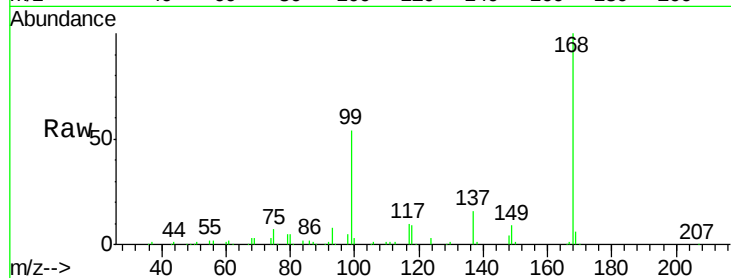
LF012MW029-200604

Tgt Ion:168 Resp: 298755

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): VNO

7.63

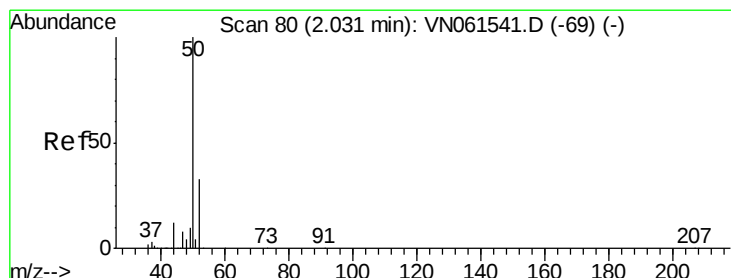
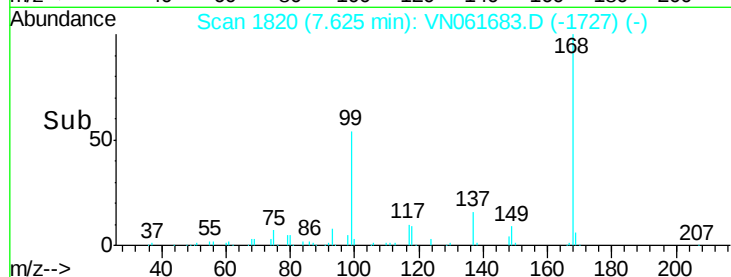
150000

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.43 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061683.D

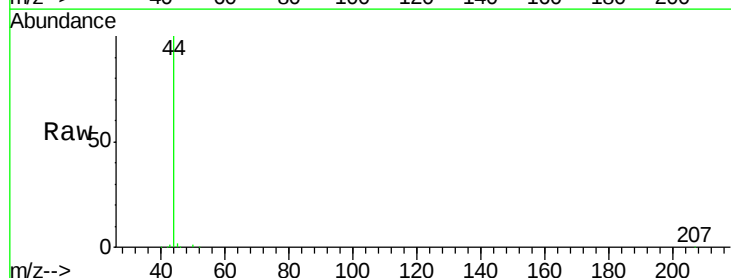
Acq: 5 Jun 2020 20:35

Tgt Ion: 50 Resp: 1573

Ion Ratio Lower Upper

50 100

52 28.2 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

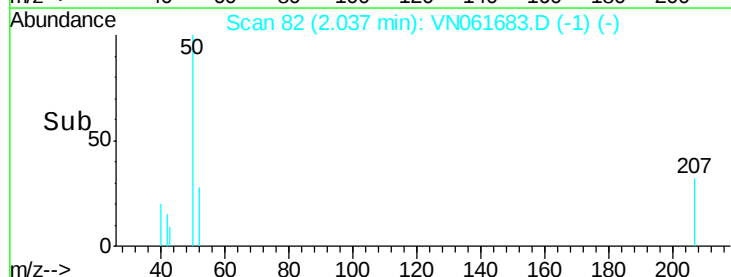
2.04

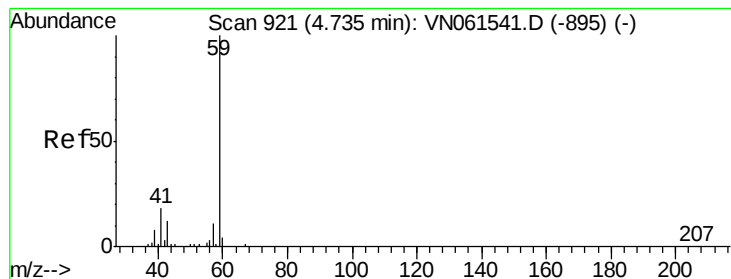
1000

500

0

Time--> 2.00 2.05



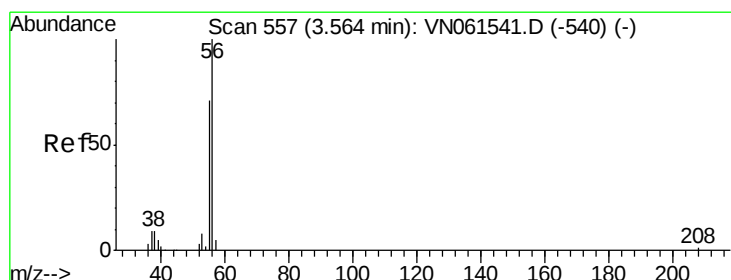
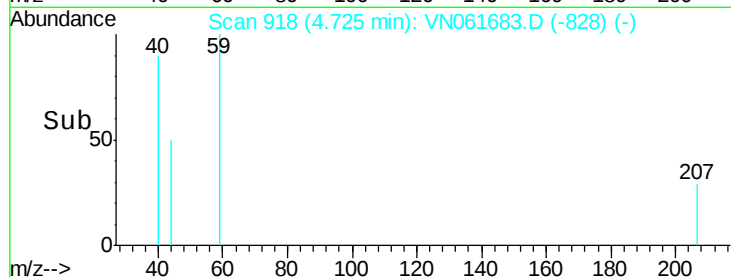
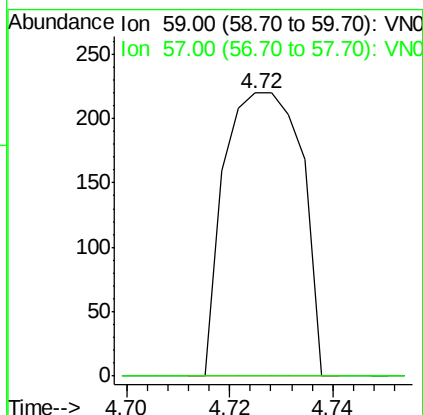
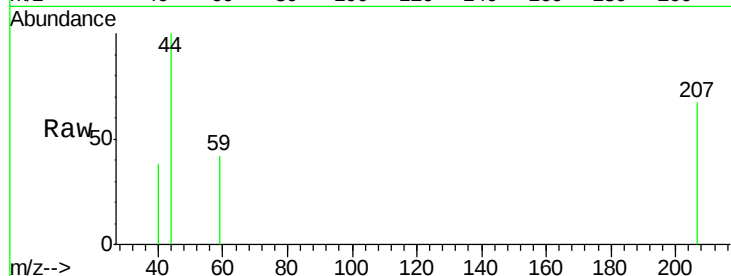


#11

Tert butyl alcohol
Concen: 0.48 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN061683.D
Acq: 5 Jun 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
LF012MW029-200604

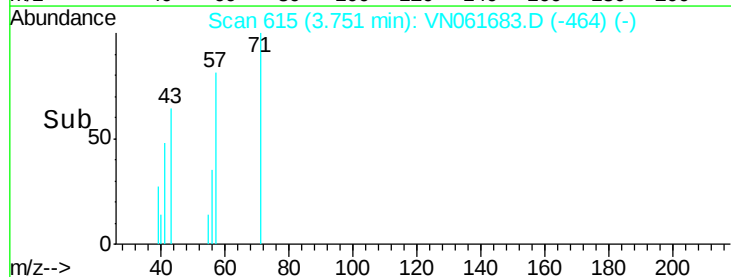
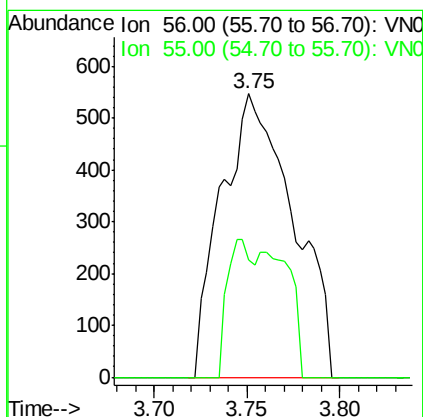
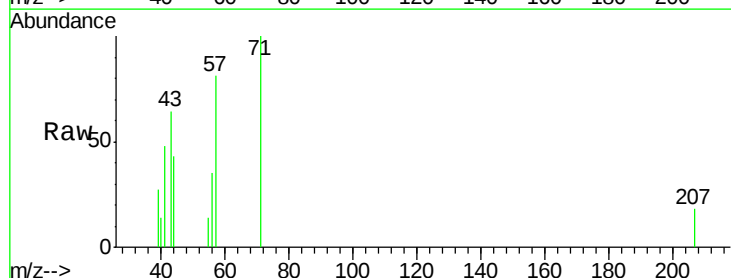
Tgt Ion: 59 Resp: 227
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

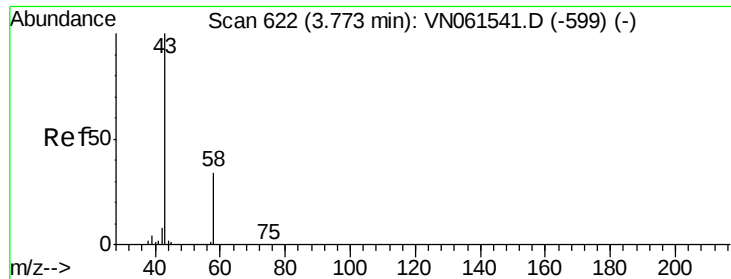


#13

Acrolein
Concen: Below Cal
RT: 3.75 min Scan# 615
Delta R.T. 0.19 min
Lab File: VN061683.D
Acq: 5 Jun 2020 20:35

Tgt Ion: 56 Resp: 1473
Ion Ratio Lower Upper
56 100
55 17.7 58.0 87.0#

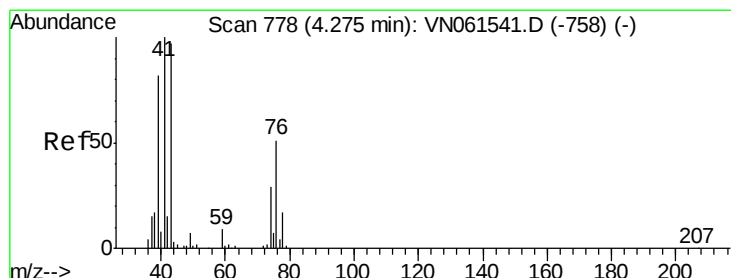
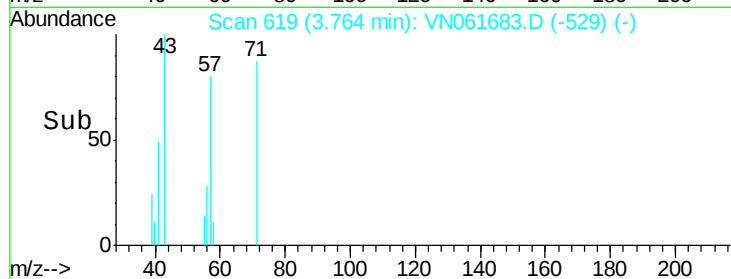
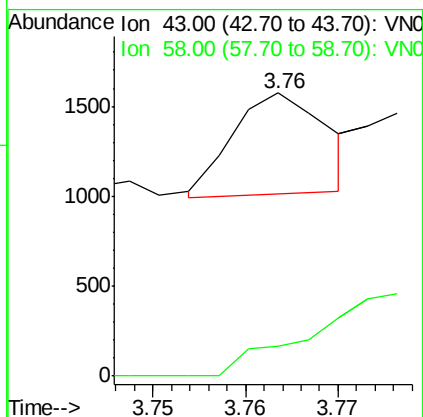
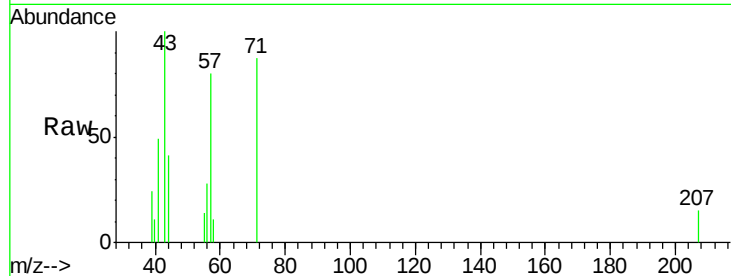




#16
Acetone
Concen: Below Cal
RT: 3.76 min Scan# 619
Delta R.T. -0.01 min
Lab File: VN061683.D
Acq: 5 Jun 2020 20:35

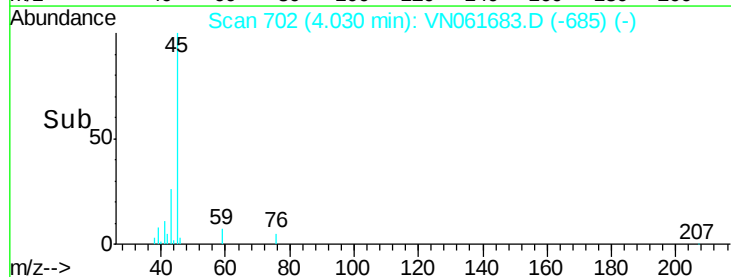
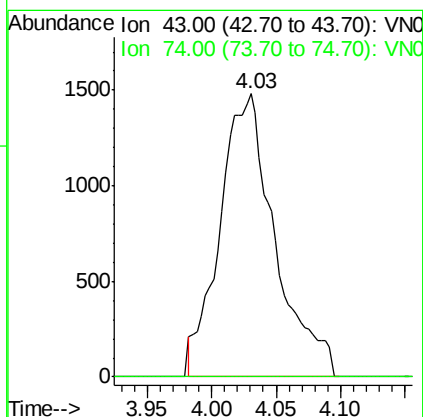
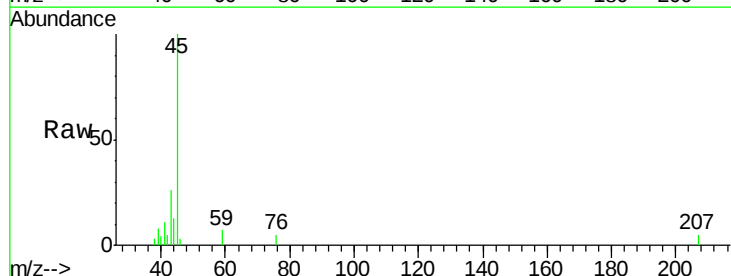
Instrument :
MSVOA_N
ClientSampleId :
LF012MW029-200604

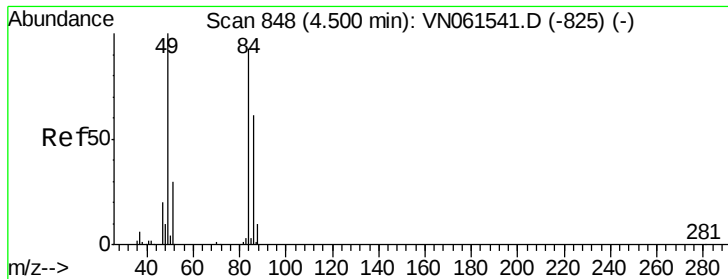
Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
58 31.0 27.2 40.8



#18
Methyl Acetate
Concen: 1.36 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.24 min
Lab File: VN061683.D
Acq: 5 Jun 2020 20:35

Tgt Ion: 43 Resp: 4397
Ion Ratio Lower Upper
43 100
74 0.0 23.2 34.8#

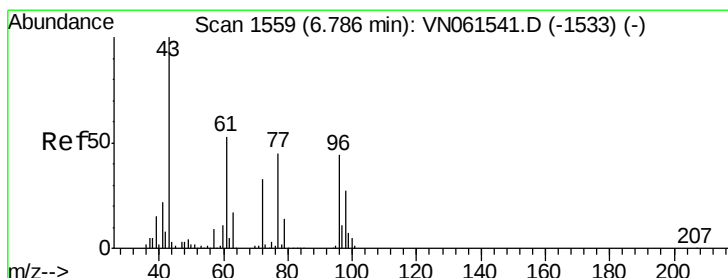
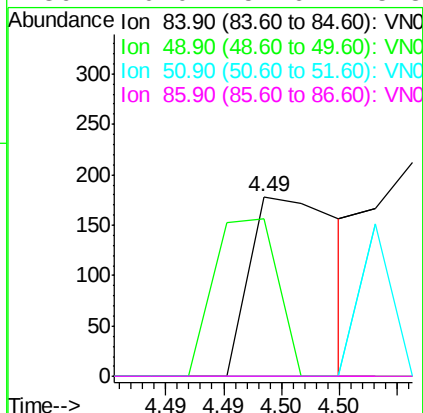
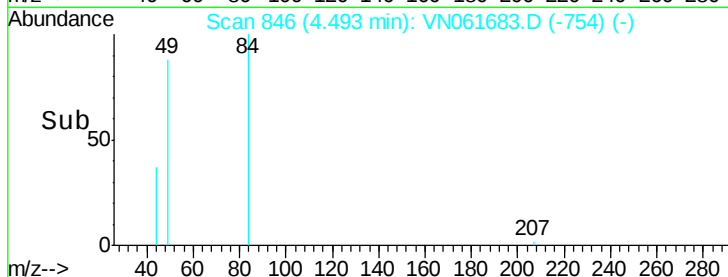
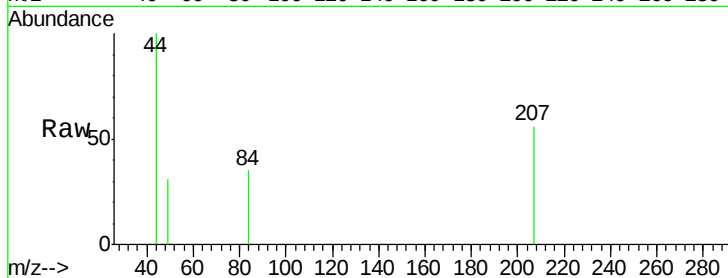




#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN061683.D
Acq: 5 Jun 2020 20:35

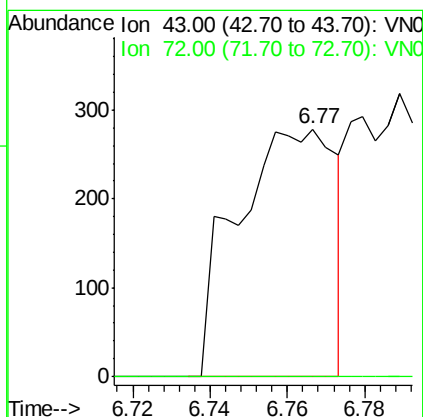
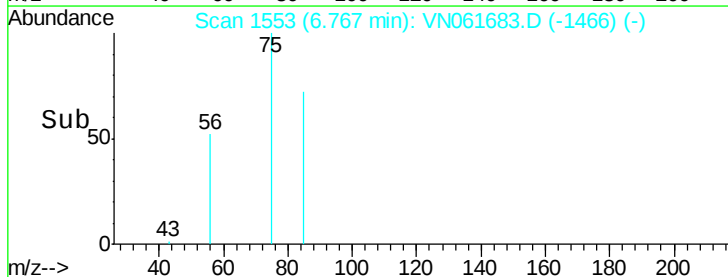
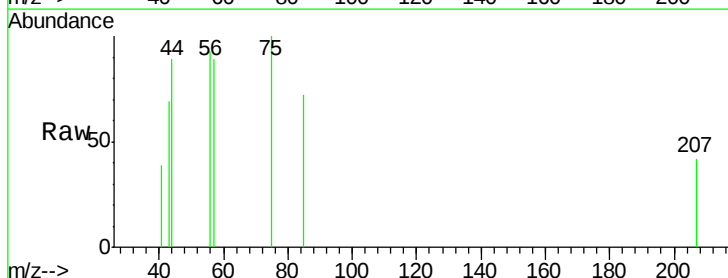
Instrument :
MSVOA_N
ClientSampleId :
LF012MW029-200604

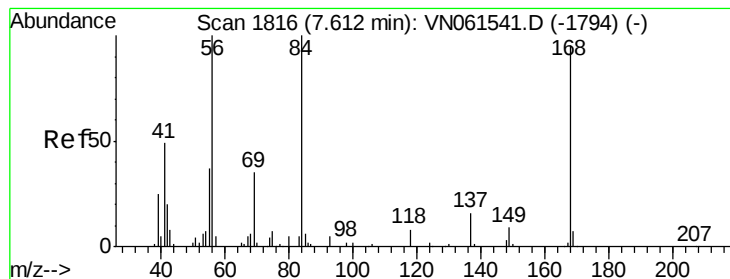
Tgt Ion: 84 Resp: 97
Ion Ratio Lower Upper
84 100
49 88.2 85.8 128.8
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#



#25
2-Butanone
Concen: 0.29 ug/l
RT: 6.77 min Scan# 1553
Delta R.T. -0.02 min
Lab File: VN061683.D
Acq: 5 Jun 2020 20:35

Tgt Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
72 0.0 26.0 39.0#





#31

Cyclohexane

Concen: 1.09 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN061683.D

Acq: 5 Jun 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

LF012MW029-200604

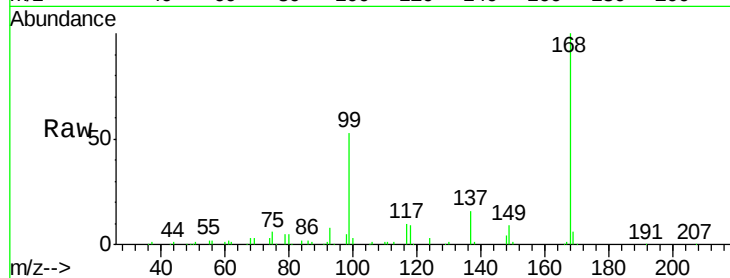
Tgt Ion: 56 Resp: 5447

Ion Ratio Lower Upper

56 100

69 151.1 27.8 41.8#

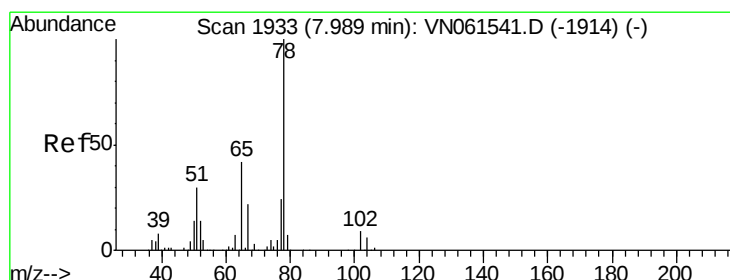
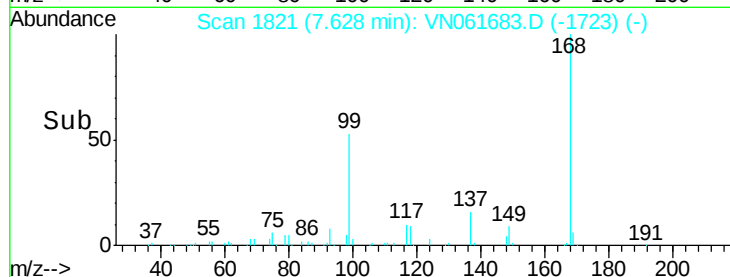
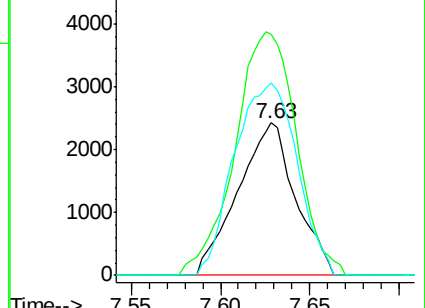
84 126.7 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.68 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061683.D

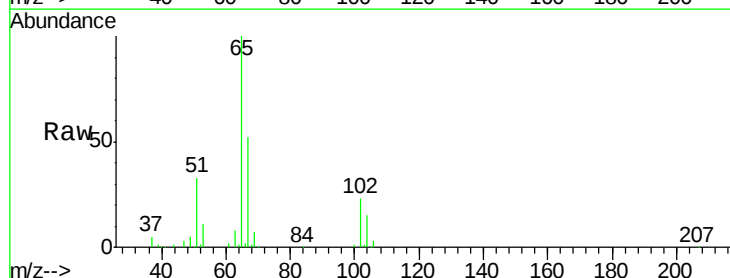
Acq: 5 Jun 2020 20:35

Tgt Ion: 65 Resp: 173269

Ion Ratio Lower Upper

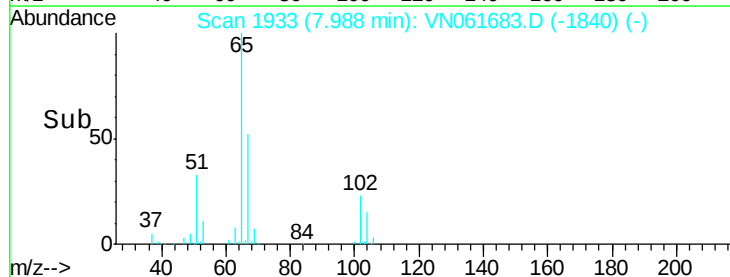
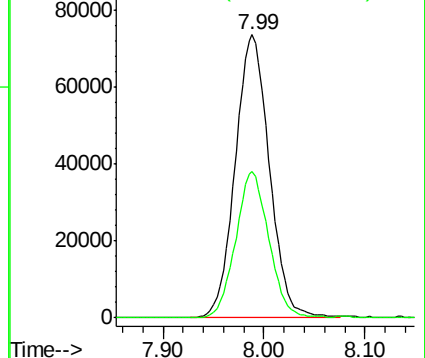
65 100

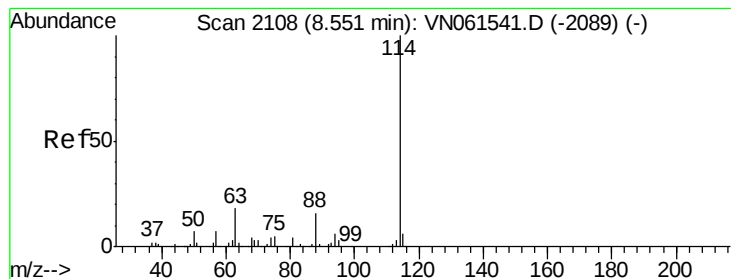
67 50.2 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061683.D

Acq: 5 Jun 2020 20:35

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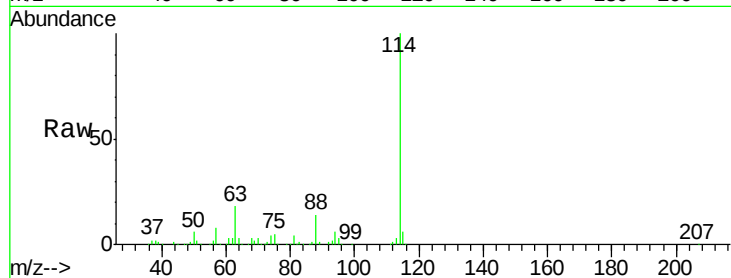
Tgt Ion:114 Resp: 514788

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.8

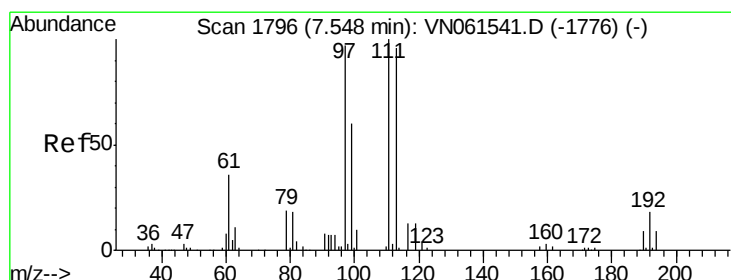
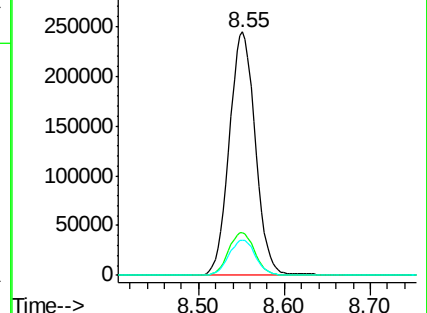
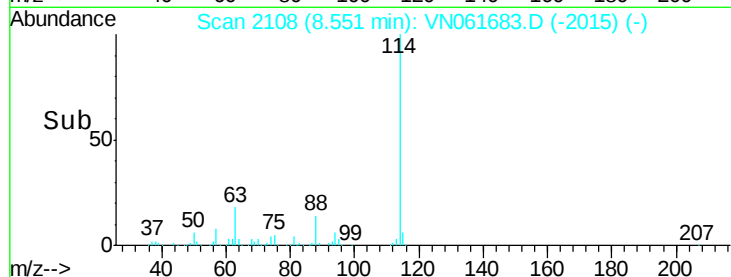
88 14.4 0.0 31.0



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: 56.84 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061683.D

Acq: 5 Jun 2020 20:35

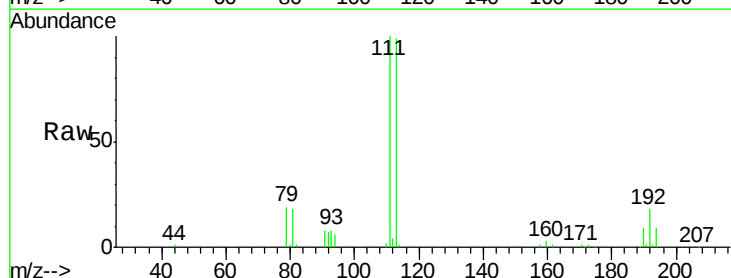
Tgt Ion:113 Resp: 148421

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.0

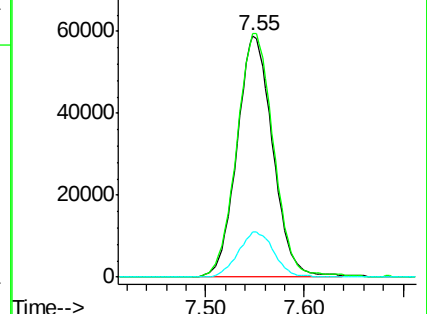
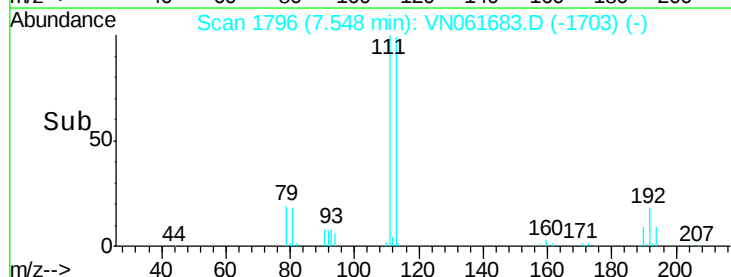
192 18.7 15.4 23.2

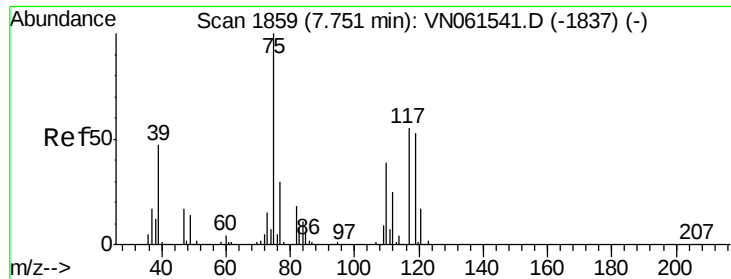


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

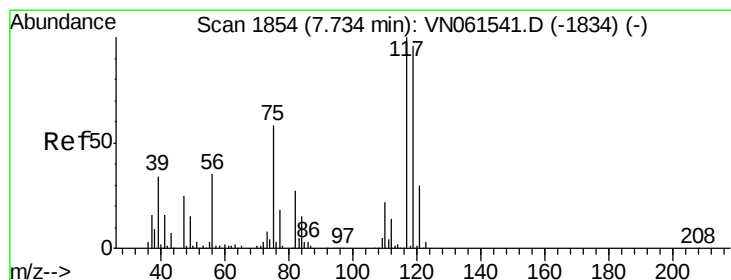
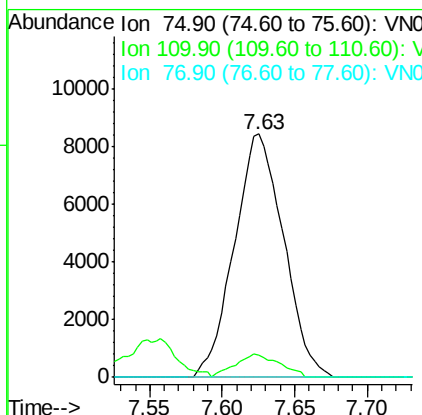
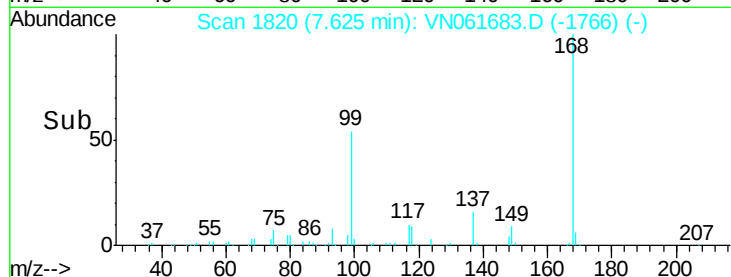
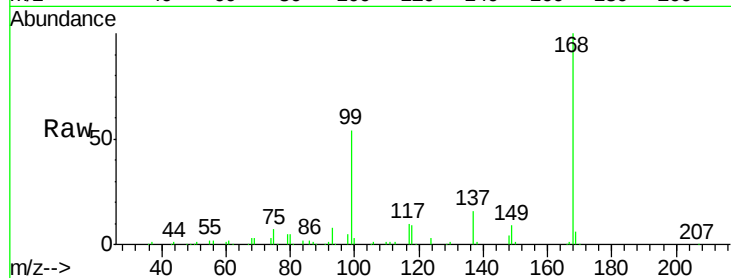




#36
 1,1-Dichloropropene
 Concen: 4.36 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061683.D
 Acq: 5 Jun 2020 20:35

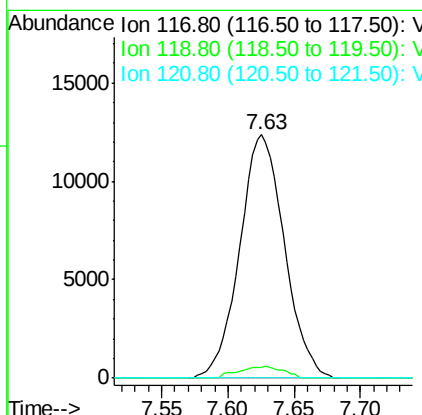
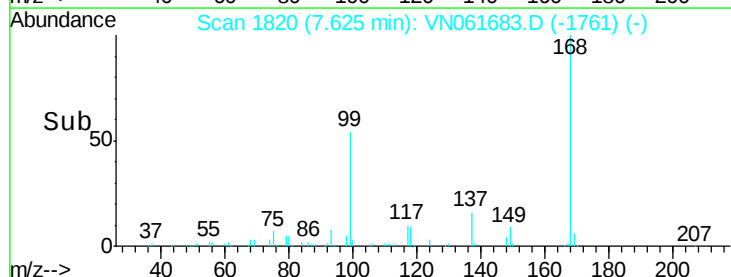
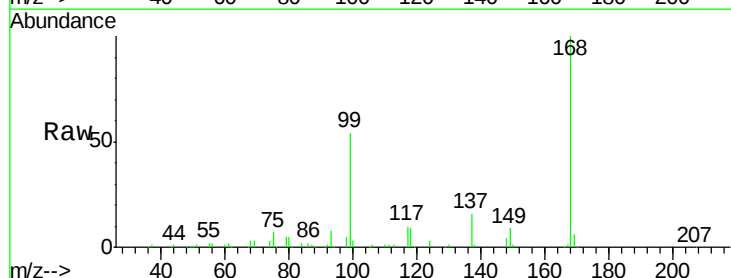
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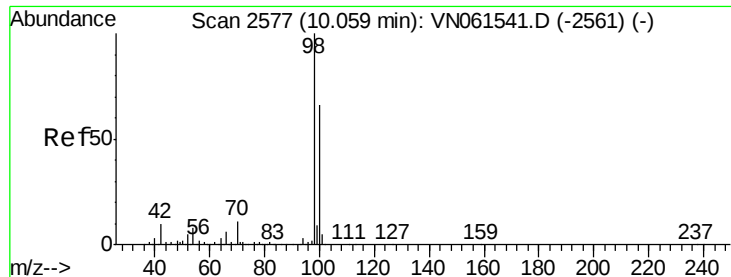
Tgt Ion: 75 Resp: 19888
 Ion Ratio Lower Upper
 75 100
 110 8.6 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.61 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061683.D
 Acq: 5 Jun 2020 20:35

Tgt Ion: 117 Resp: 29050
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.5 114.7#
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 50.59 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061683.D

Acq: 5 Jun 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

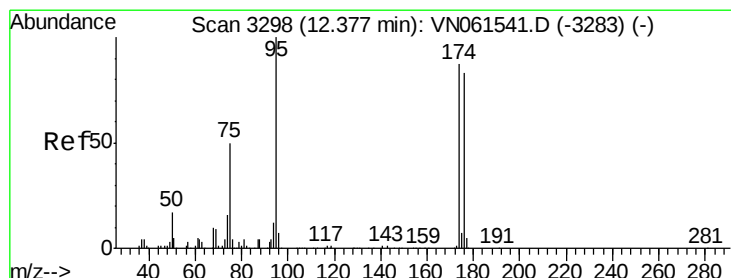
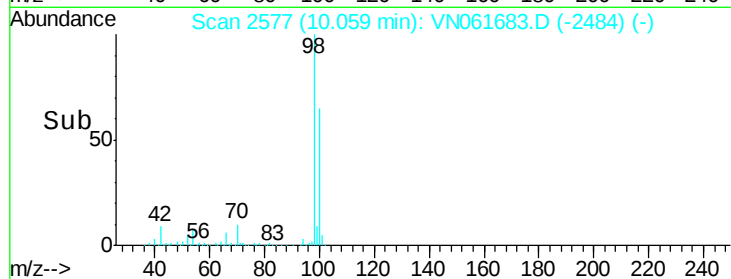
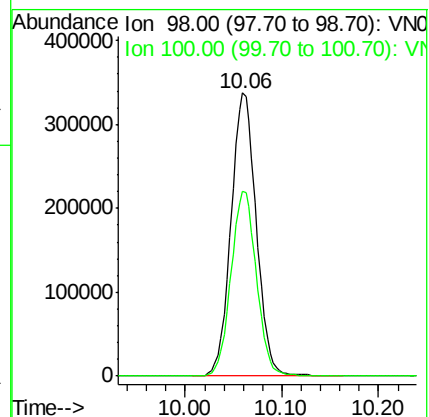
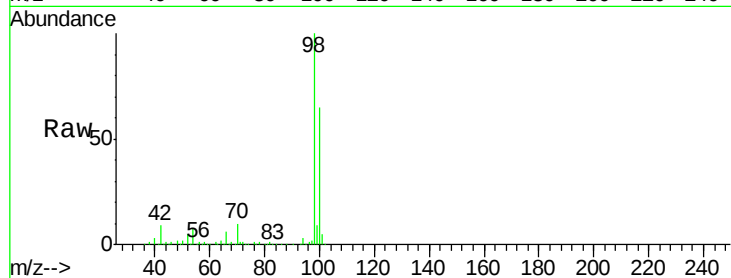
LF012MW029-200604

Tgt Ion: 98 Resp: 612188

Ion Ratio Lower Upper

98 100

100 65.8 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 50.11 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061683.D

Acq: 5 Jun 2020 20:35

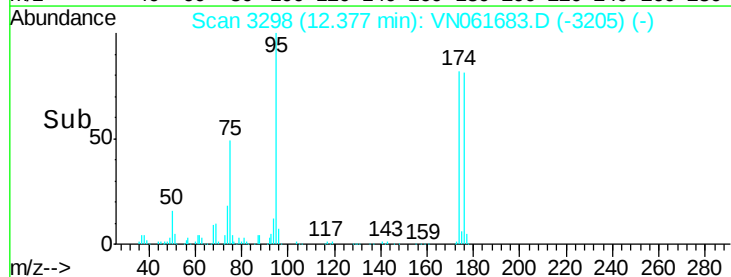
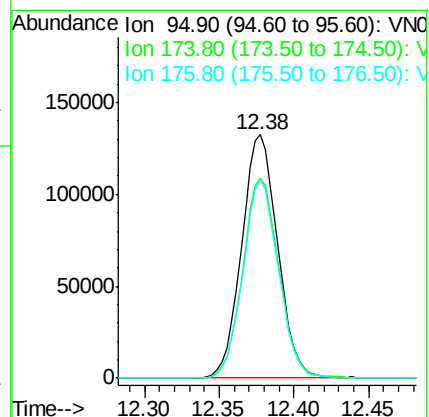
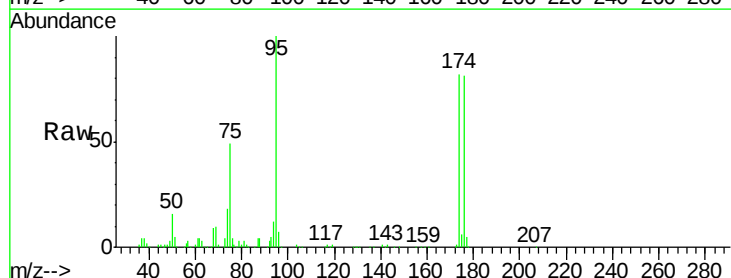
Tgt Ion: 95 Resp: 221230

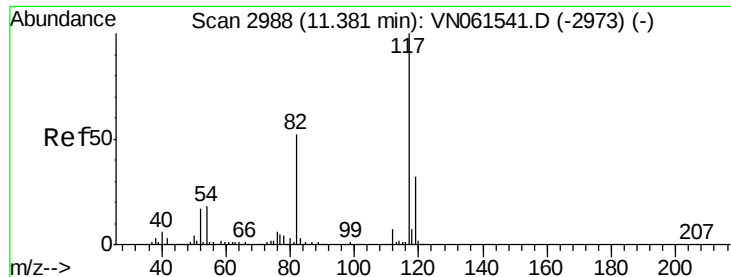
Ion Ratio Lower Upper

95 100

174 82.9 0.0 172.8

176 80.7 0.0 164.8

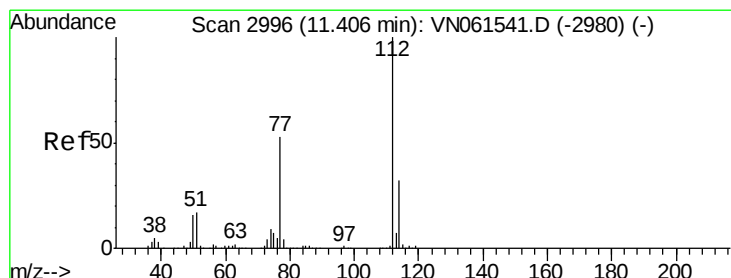
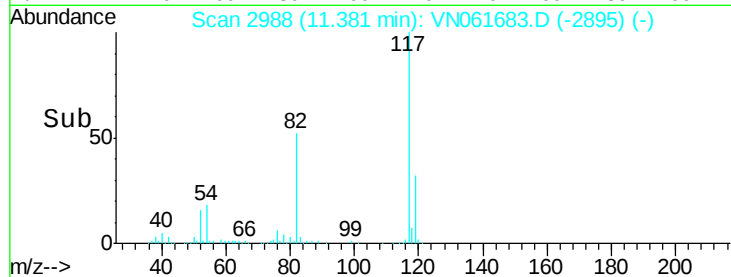
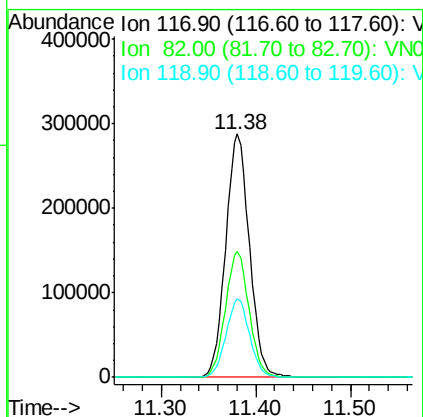
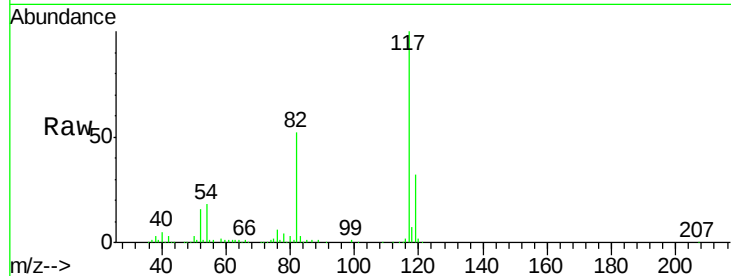




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061683.D
Acq: 5 Jun 2020 20:35

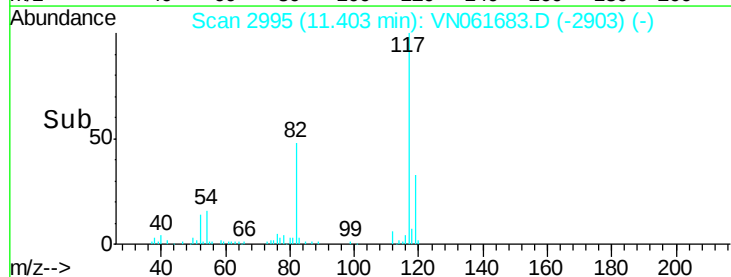
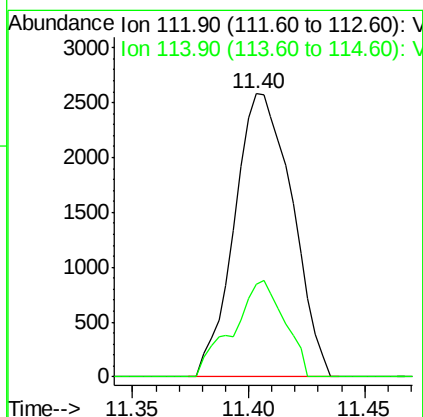
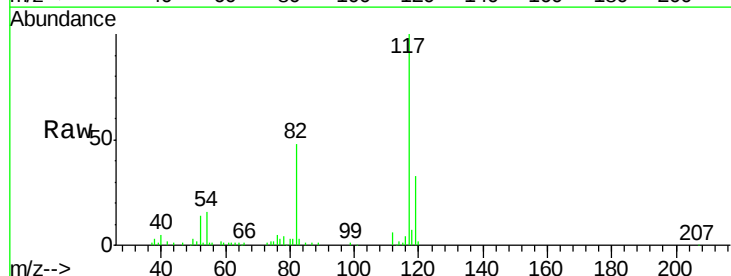
Instrument :
MSVOA_N
ClientSampleId :
LF012MW029-200604

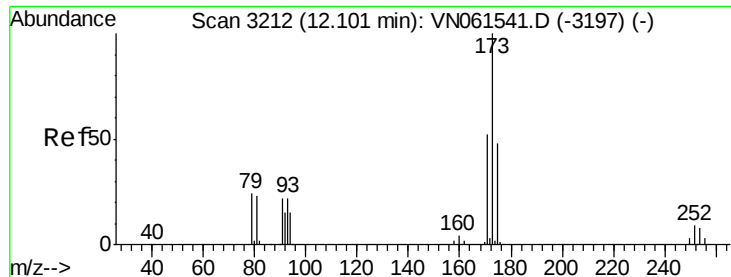
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.5	62.3
119	32.3	25.6	38.4



#65
Chlorobenzene
Concen: 0.43 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061683.D
Acq: 5 Jun 2020 20:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.7	38.5





#71

Bromoform

Concen: 0.62 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061683.D

Acq: 5 Jun 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

LF012MW029-200604

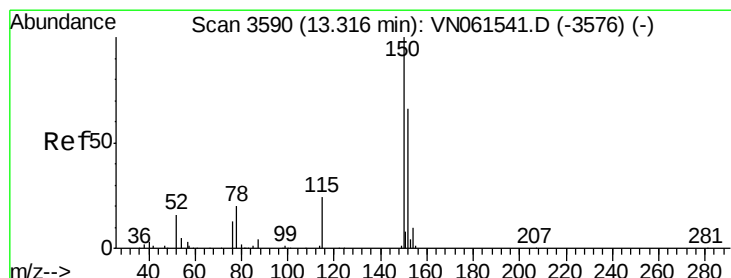
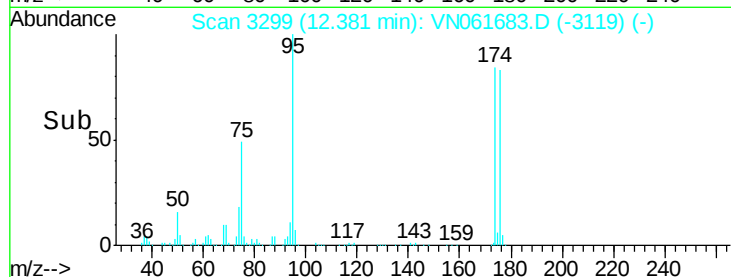
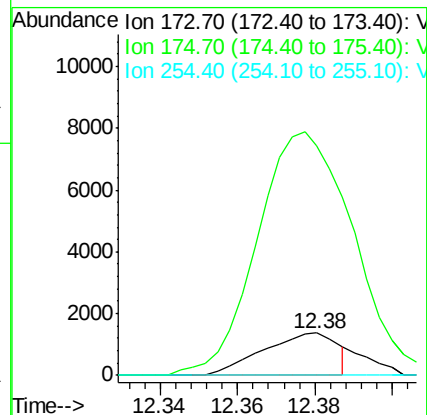
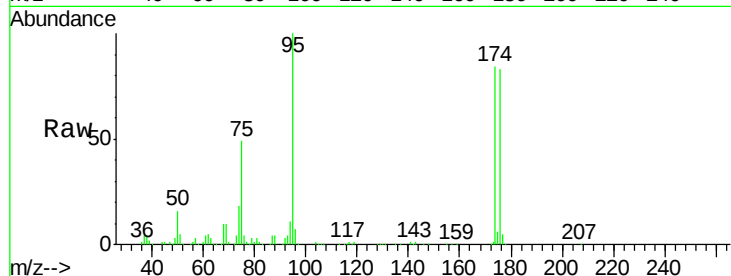
Tgt Ion:173 Resp: 1848

Ion Ratio Lower Upper

173 100

175 607.8 24.4 73.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061683.D

Acq: 5 Jun 2020 20:35

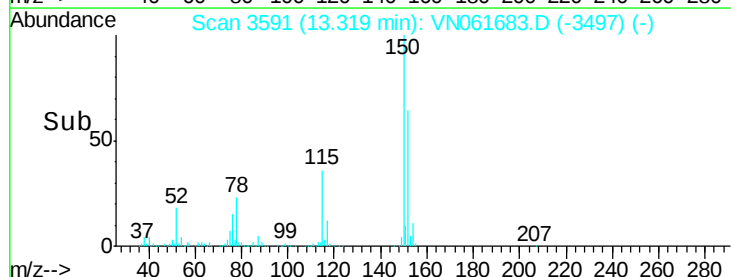
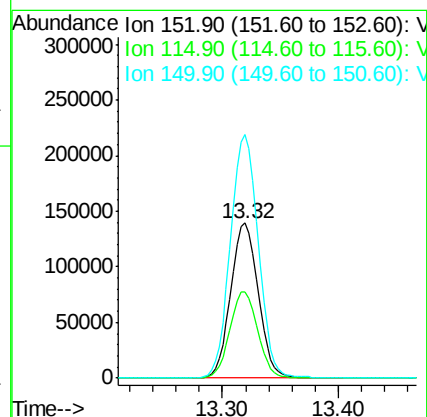
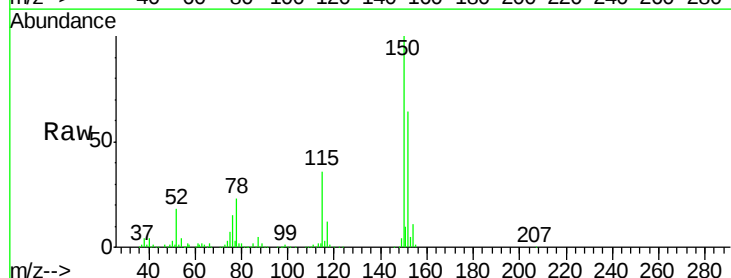
Tgt Ion:152 Resp: 228638

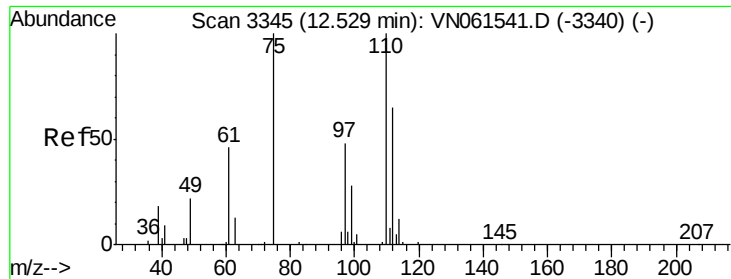
Ion Ratio Lower Upper

152 100

115 56.3 28.0 84.0

150 158.9 0.0 344.0

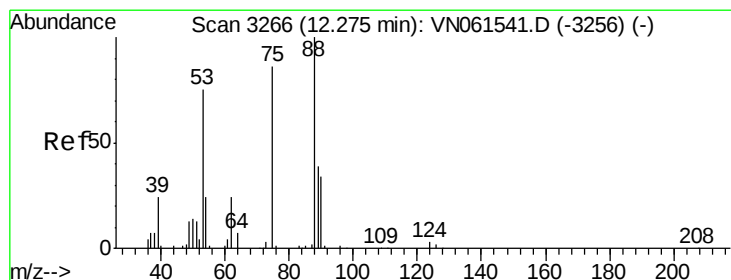
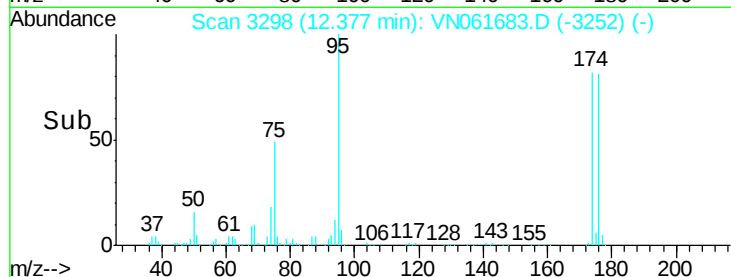
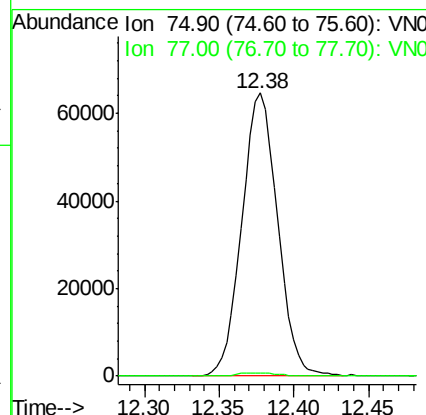
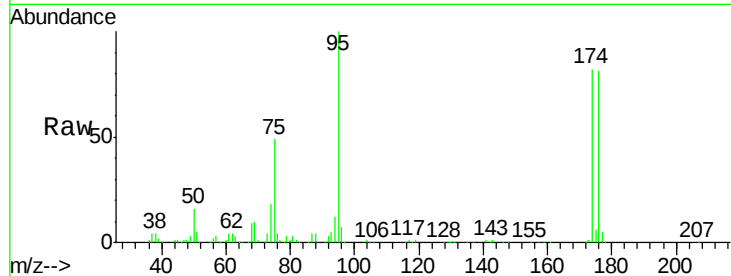




#76
 1,2,3-Trichloropropane
 Concen: 25.92 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061683.D
 Acq: 5 Jun 2020 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 LF012MW029-200604

Tgt Ion: 75 Resp: 107779
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.29 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061683.D
 Acq: 5 Jun 2020 20:35

Tgt Ion: 75 Resp: 107779
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#

