

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
 Data File : VN061672.D
 Acq On : 5 Jun 2020 16:17
 Operator : JC/MD
 Sample : L2903-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18

Quant Time: Jun 06 03:22:18 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	313176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	541361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	524965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	250067	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	175526	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
35) Dibromofluoromethane	7.55	113	152326	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
50) Toluene-d8	10.06	98	642828	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.38	95	243715	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	

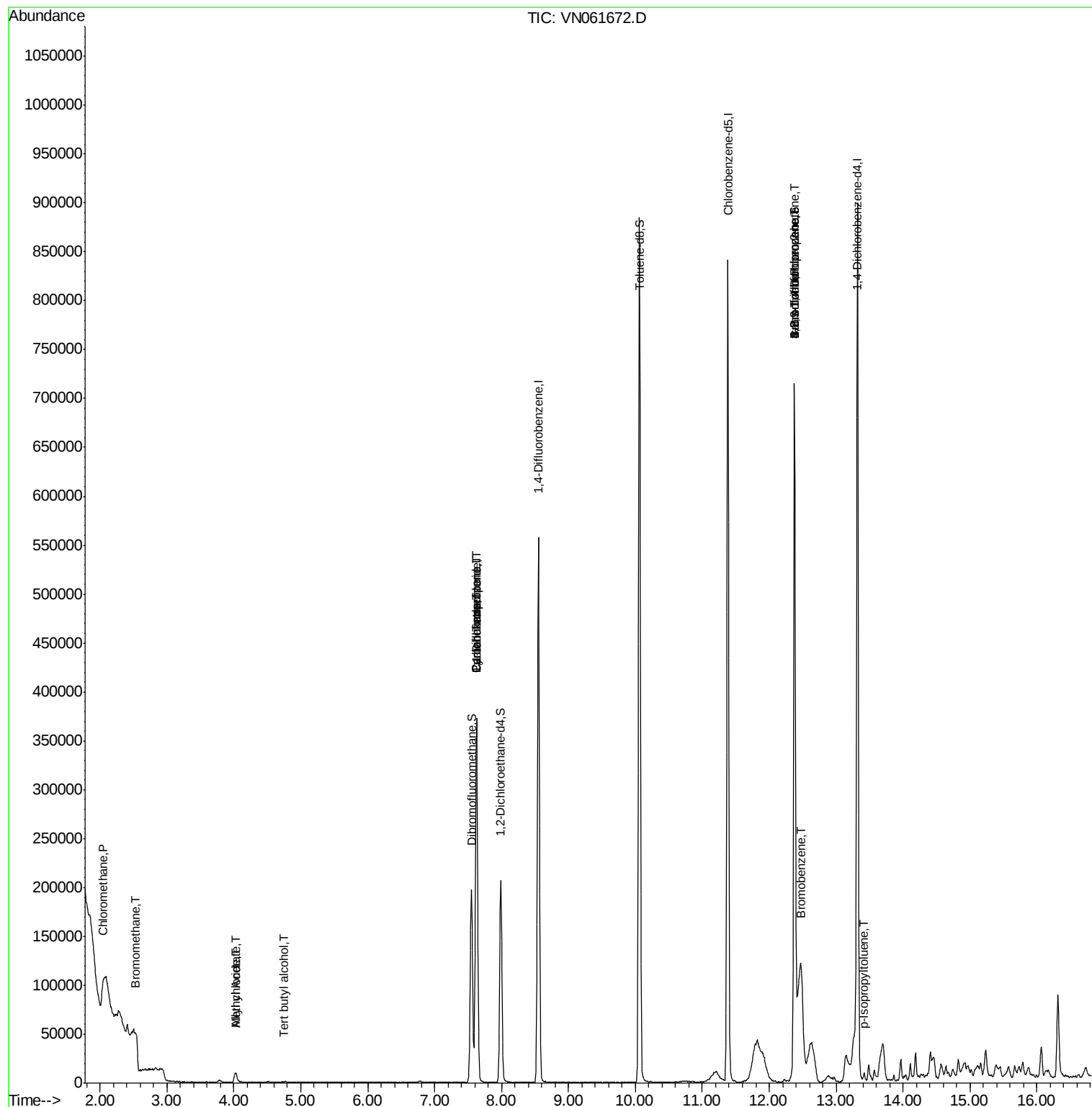
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1341	0.35	ug/l	92
5) Bromomethane	2.54	94	730	0.24	ug/l	# 39
11) Tert butyl alcohol	4.74	59	241	0.49	ug/l	# 72
14) Allyl chloride	4.02	41	1685	0.40	ug/l	# 50
16) Acetone	3.79	43	3406	Below	Cal	# 76
18) Methyl Acetate	4.02	43	4135	1.22	ug/l	# 46
20) Methylene Chloride	4.51	84	565	Below	Cal	# 77
31) Cyclohexane	7.63	56	5869	1.12	ug/l	# 2
36) 1,1-Dichloropropene	7.63	75	21665	4.52	ug/l	# 48
38) Carbon Tetrachloride	7.63	117	31197	6.75	ug/l	# 15
71) Bromoform	12.37	173	1739	0.56	ug/l	# 1
76) 1,2,3-Trichloropropane	12.38	75	120601	26.52	ug/l	# 100
77) Bromobenzene	12.47	156	195216	41.90	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.38	75	120601	67.82	ug/l	# 15
86) p-Isopropyltoluene	13.42	119	4152	0.26	ug/l	95

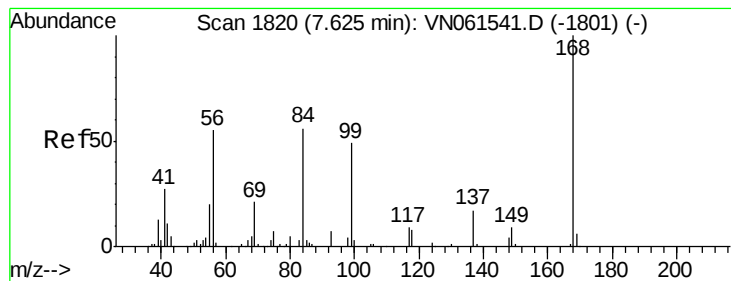
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
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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: VN061672.D

Acq: 5 Jun 2020 16:17

Instrument :

MSVOA_N

ClientSampleId :

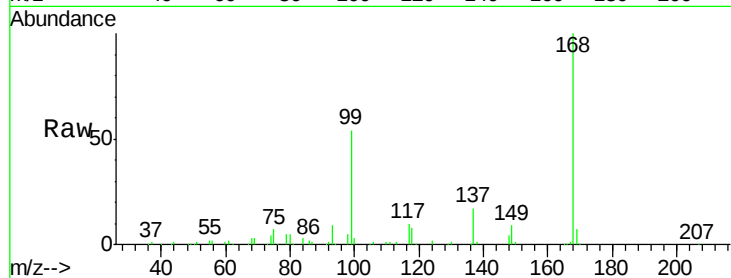
MW-18

Tgt Ion:168 Resp: 313176

Ion Ratio Lower Upper

168 100

99 54.1 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

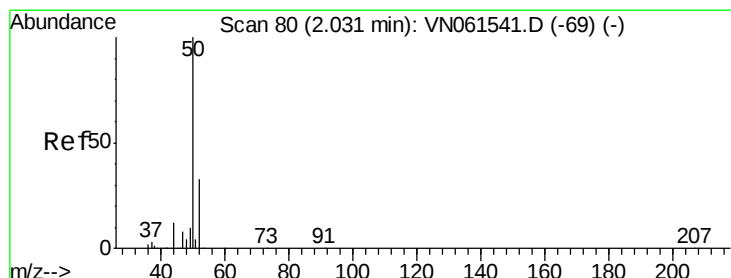
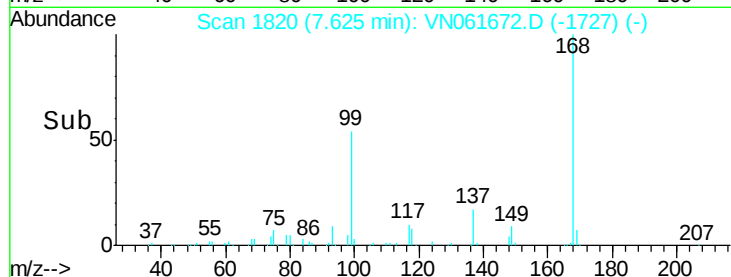
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.35 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061672.D

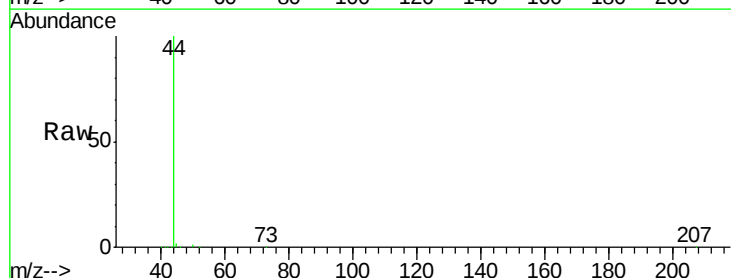
Acq: 5 Jun 2020 16:17

Tgt Ion: 50 Resp: 1341

Ion Ratio Lower Upper

50 100

52 28.7 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

1200

1000

800

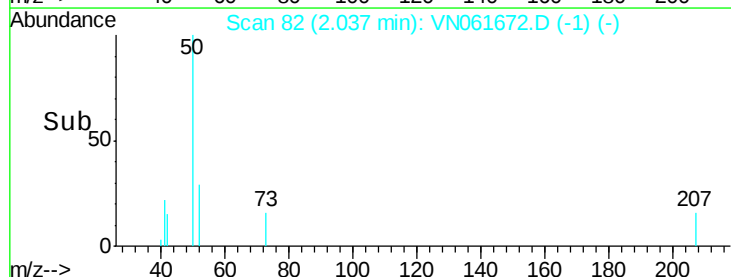
600

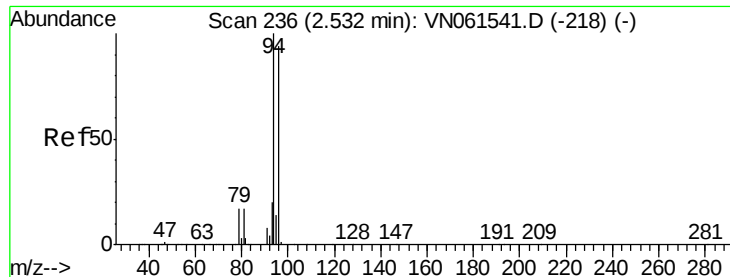
400

200

0

Time--> 2.00 2.02 2.04 2.06





#5

Bromomethane

Concen: 0.24 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN061672.D

Acq: 5 Jun 2020 16:17

Instrument :

MSVOA_N

ClientSampled :

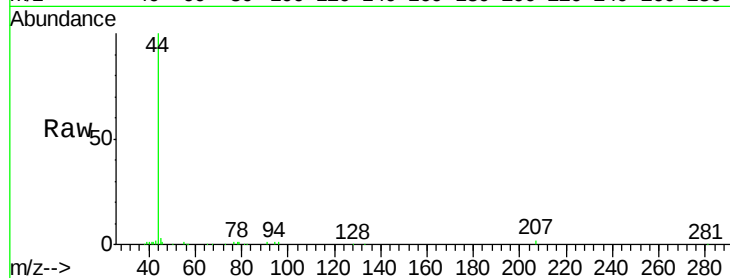
MW-18

Tgt Ion: 94 Resp: 730

Ion Ratio Lower Upper

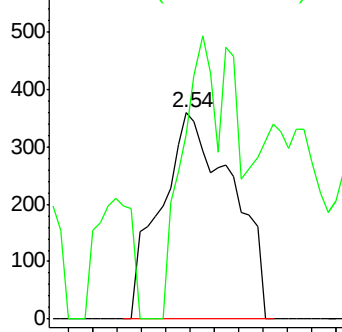
94 100

96 34.5 74.8 112.2#

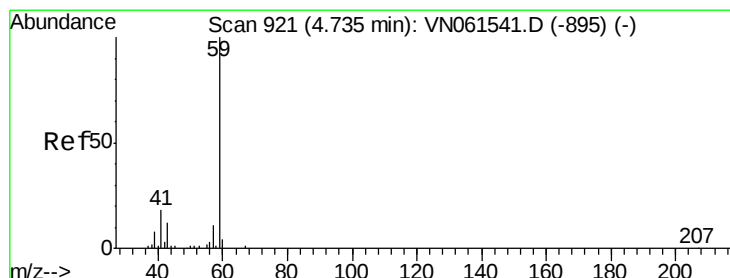
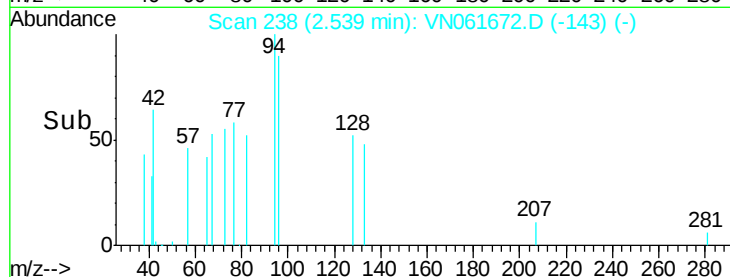


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#11

Tert butyl alcohol

Concen: 0.49 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN061672.D

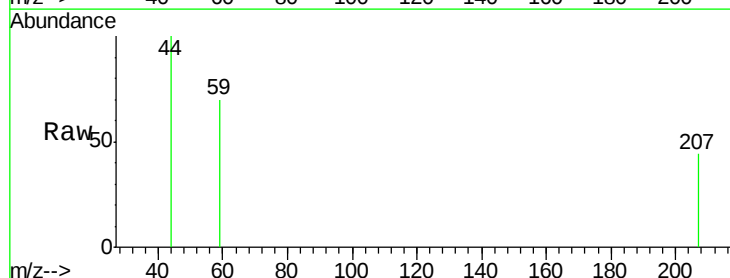
Acq: 5 Jun 2020 16:17

Tgt Ion: 59 Resp: 241

Ion Ratio Lower Upper

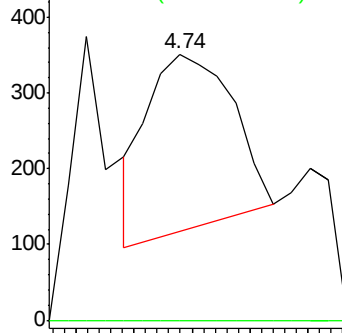
59 100

57 0.0 8.4 12.6#

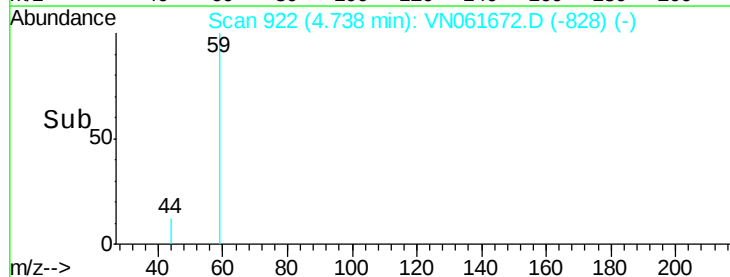


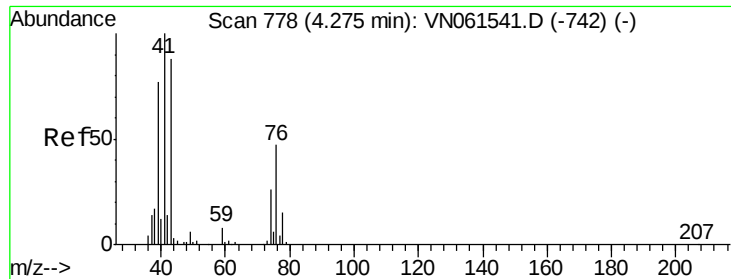
Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



Time-->





#14

Allyl chloride

Concen: 0.40 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.25 min

Lab File: VN061672.D

Acq: 5 Jun 2020 16:17

Instrument :

MSVOA_N

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MW-18

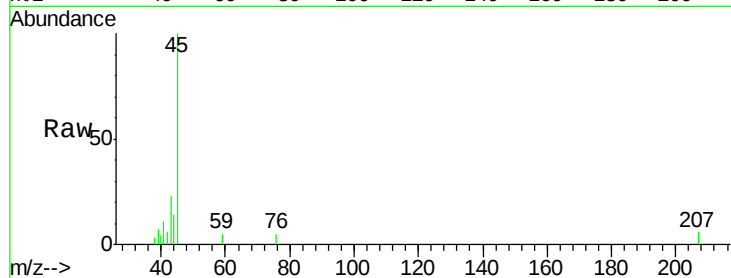
Tgt Ion: 41 Resp: 1685

Ion Ratio Lower Upper

41 100

39 31.2 58.6 88.0#

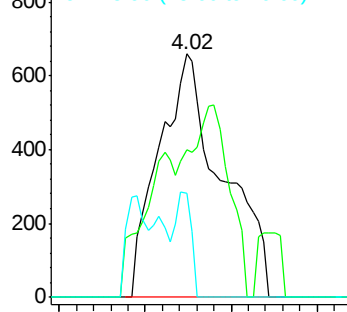
76 10.8 34.2 51.4#



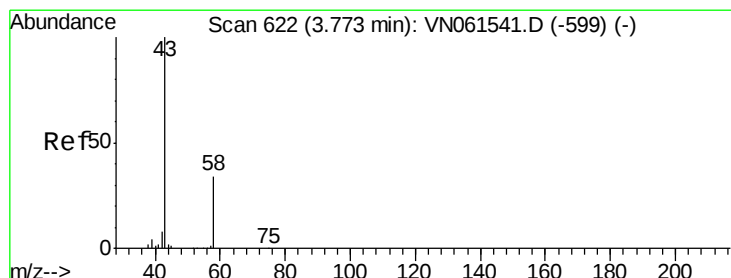
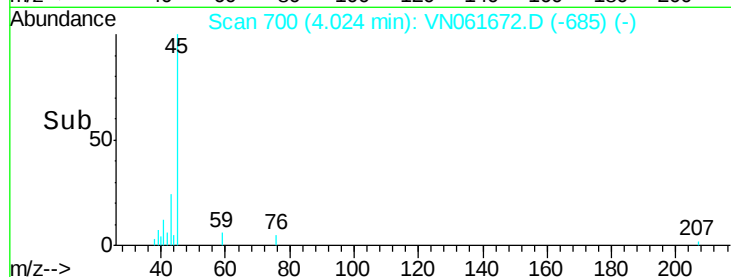
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time--> 3.95 4.00 4.05 4.10



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061672.D

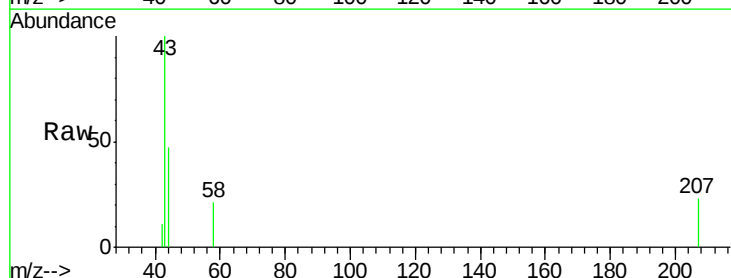
Acq: 5 Jun 2020 16:17

Tgt Ion: 43 Resp: 3406

Ion Ratio Lower Upper

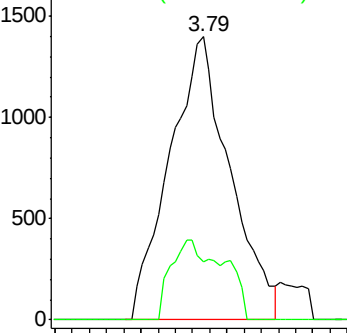
43 100

58 20.5 27.2 40.8#

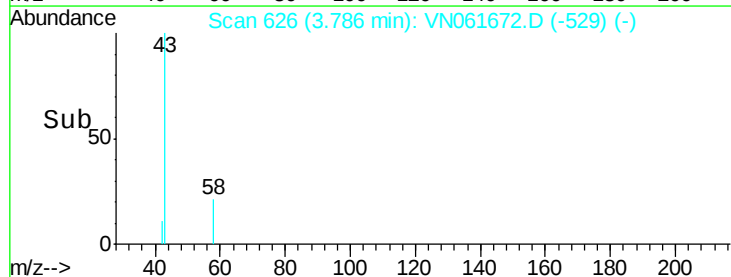


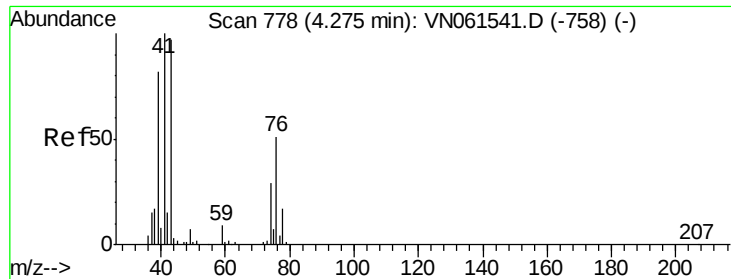
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 3.70 3.75 3.80 3.85

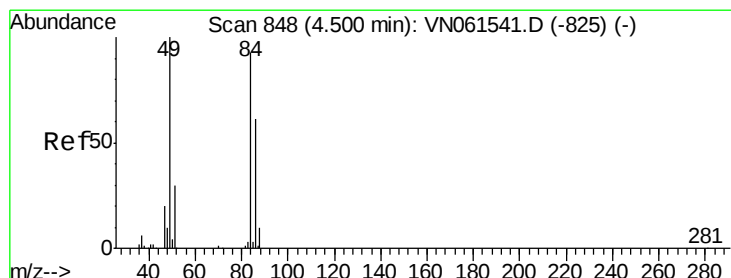
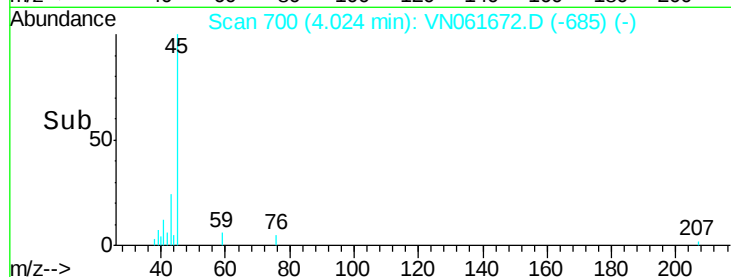
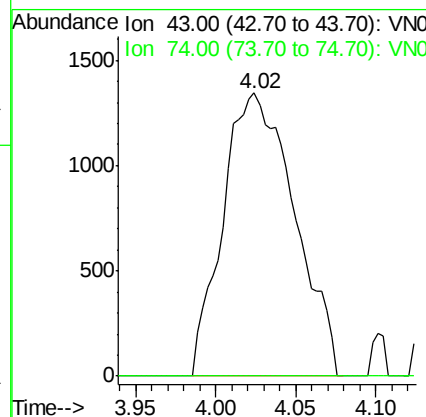
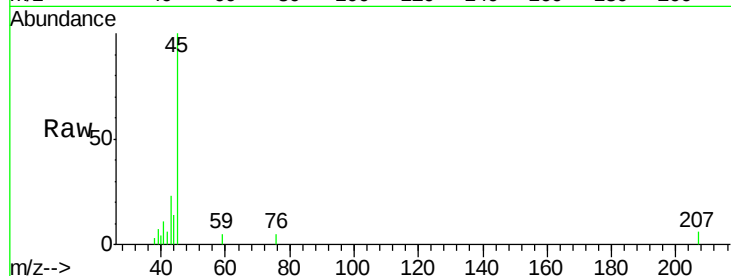




#18
Methyl Acetate
Concen: 1.22 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.25 min
Lab File: VN061672.D
Acq: 5 Jun 2020 16:17

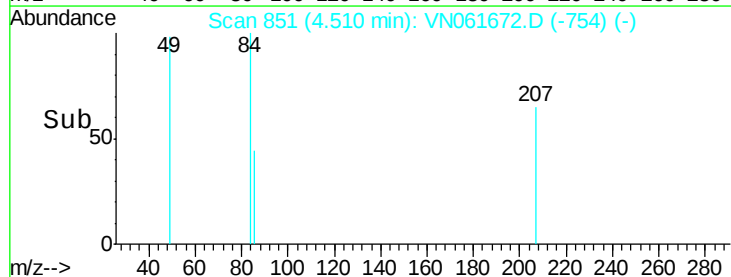
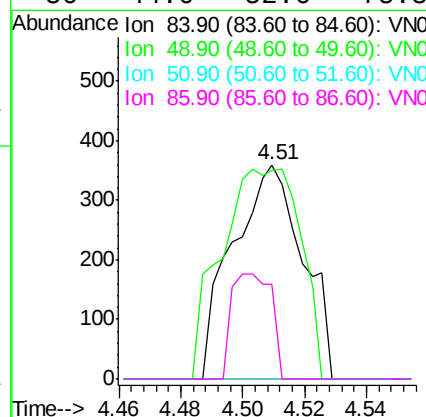
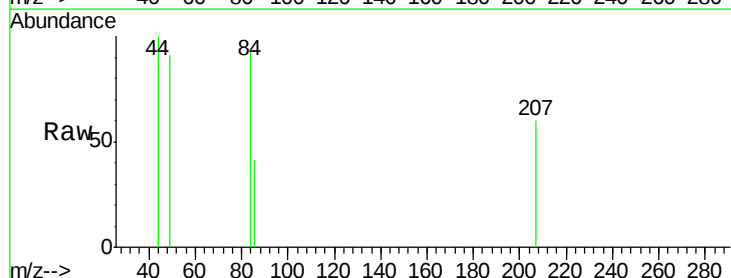
Instrument :
MSVOA_N
ClientSampled :
MW-18

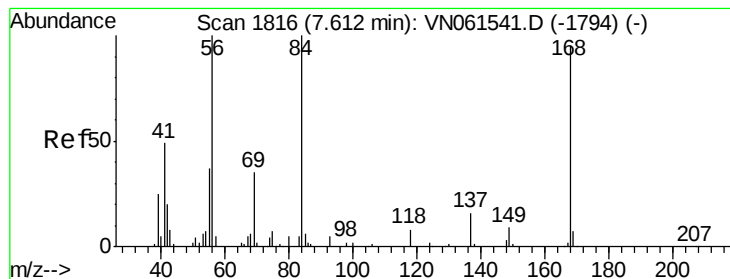
Tgt Ion: 43 Resp: 4135
Ion Ratio Lower Upper
43 100
74 0.0 23.2 34.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN061672.D
Acq: 5 Jun 2020 16:17

Tgt Ion: 84 Resp: 565
Ion Ratio Lower Upper
84 100
49 97.8 85.8 128.8
51 0.0 26.2 39.2#
86 44.0 52.6 78.8#





#31

Cyclohexane

Concen: 1.12 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061672.D

Acq: 5 Jun 2020 16:17

Instrument :

MSVOA_N

ClientSampleId :

MW-18

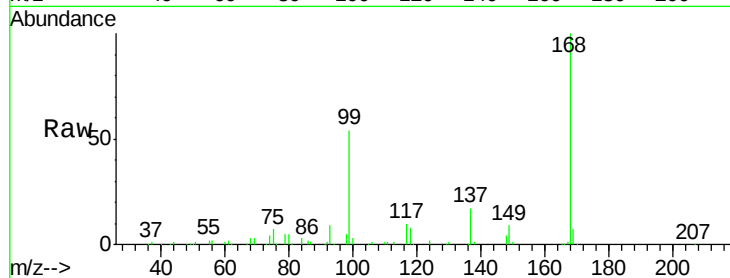
Tgt Ion: 56 Resp: 5869

Ion Ratio Lower Upper

56 100

69 162.7 27.8 41.8#

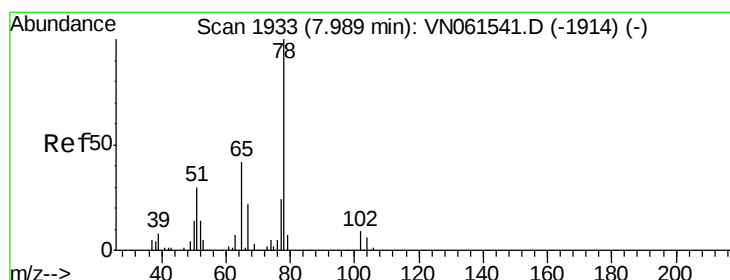
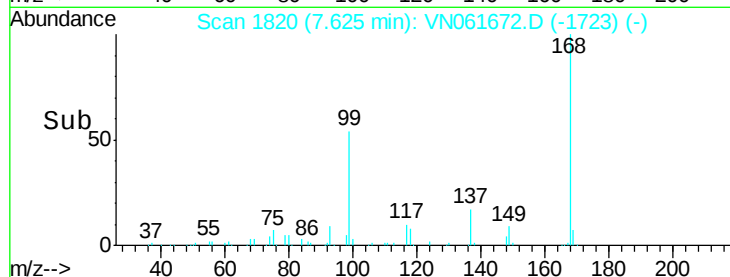
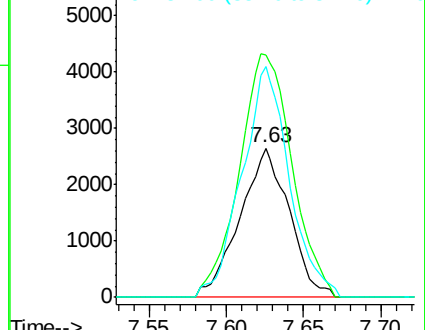
84 155.1 79.9 119.9#



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: 47.04 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061672.D

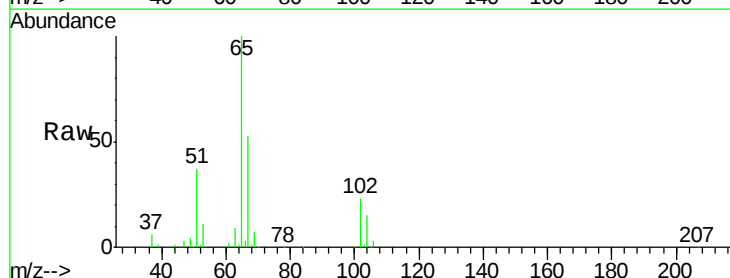
Acq: 5 Jun 2020 16:17

Tgt Ion: 65 Resp: 175526

Ion Ratio Lower Upper

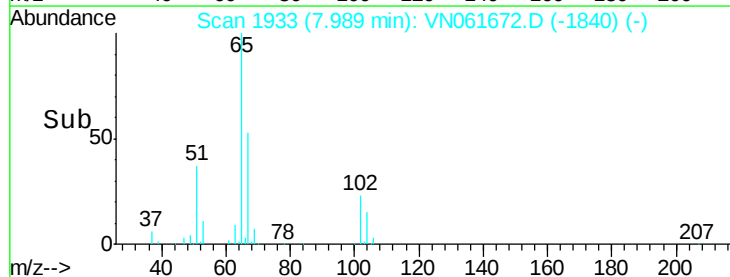
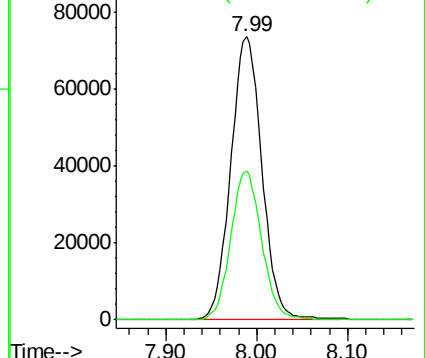
65 100

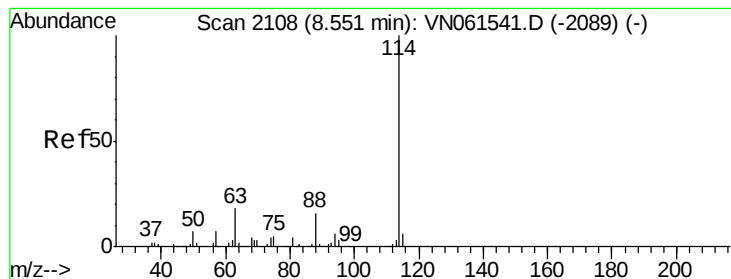
67 52.1 0.0 104.8



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: VN061672.D

Acq: 5 Jun 2020 16:17

Instrument :

MSVOA_N

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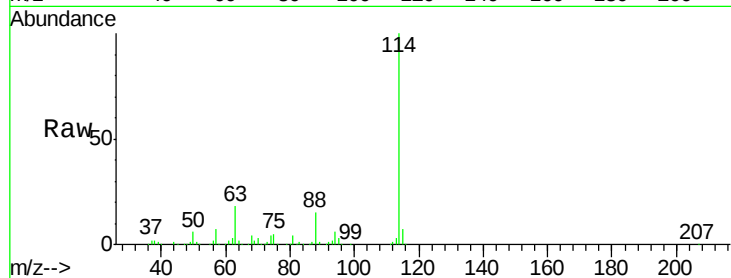
Tgt Ion:114 Resp: 541361

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.8

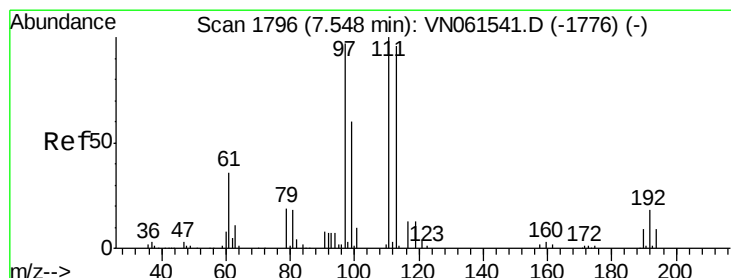
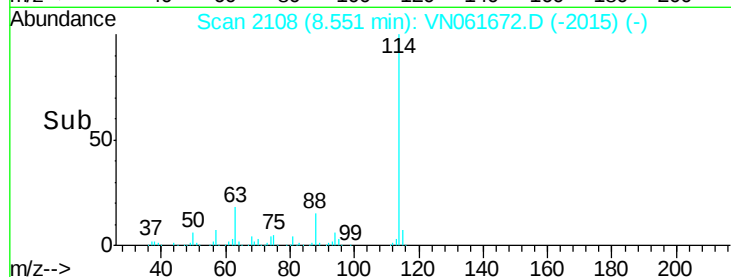
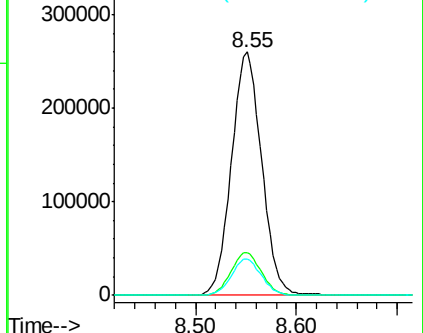
88 14.9 0.0 31.0



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: 55.47 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN061672.D

Acq: 5 Jun 2020 16:17

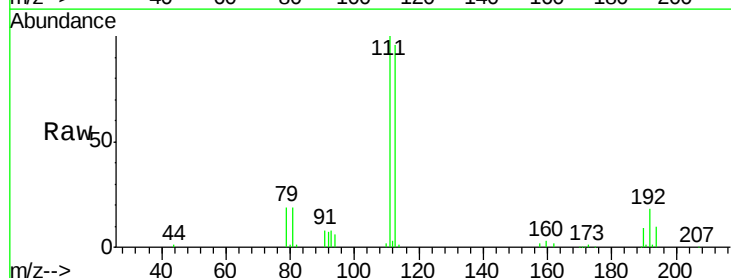
Tgt Ion:113 Resp: 152326

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.0

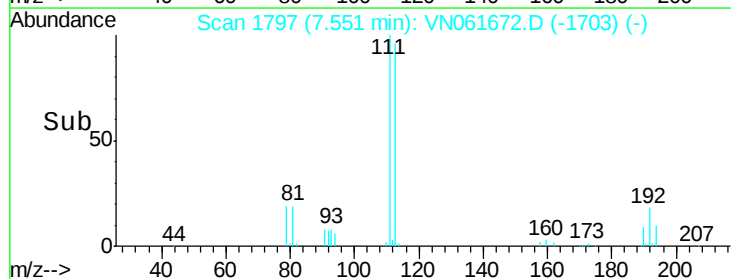
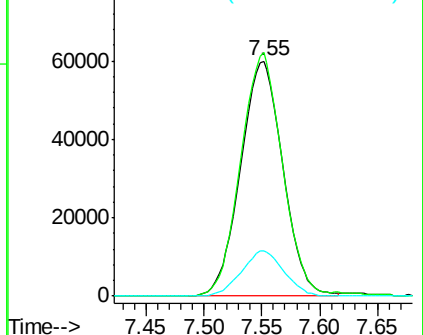
192 19.2 15.4 23.2

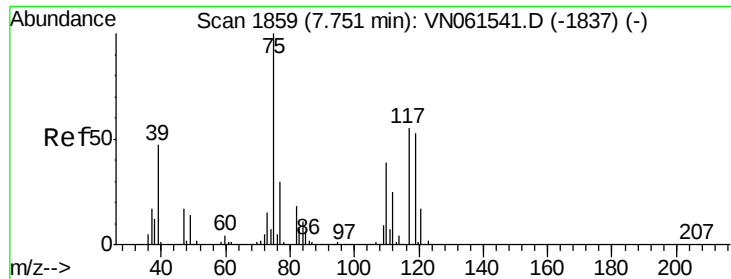


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

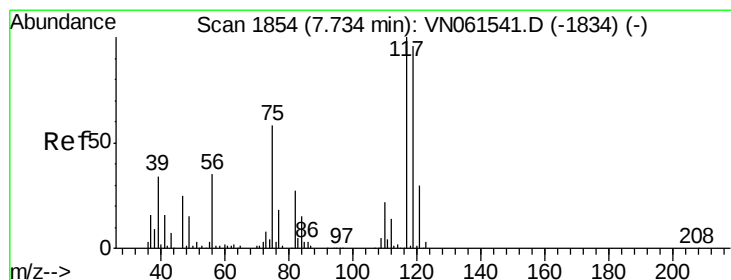
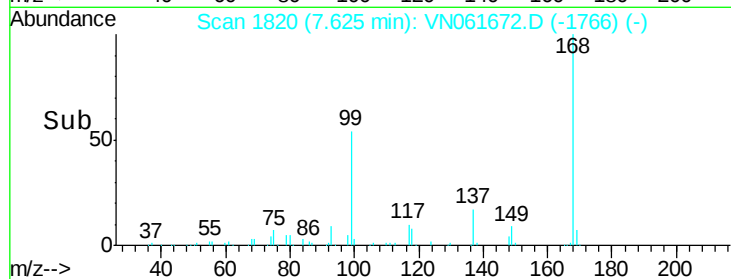
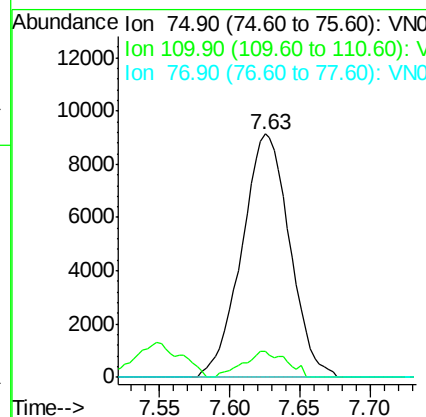
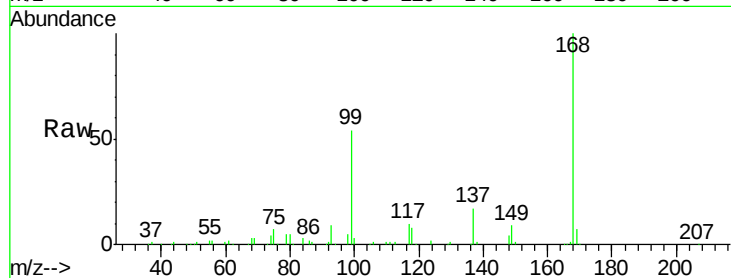




#36
 1,1-Dichloropropene
 Concen: 4.52 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061672.D
 Acq: 5 Jun 2020 16:17

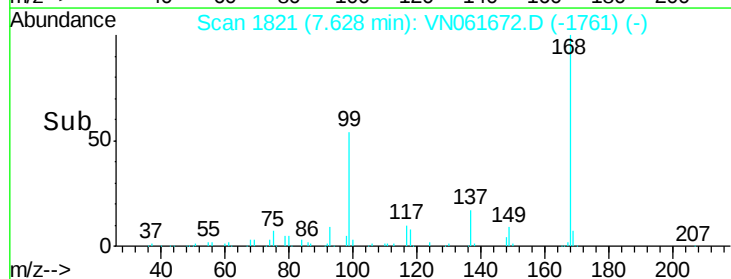
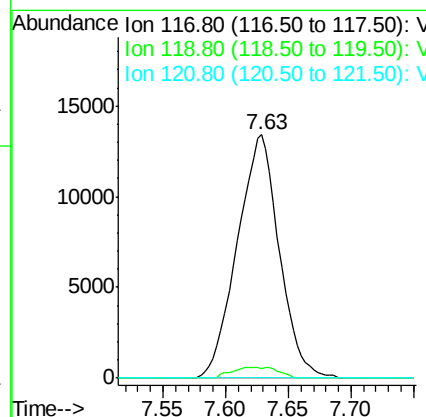
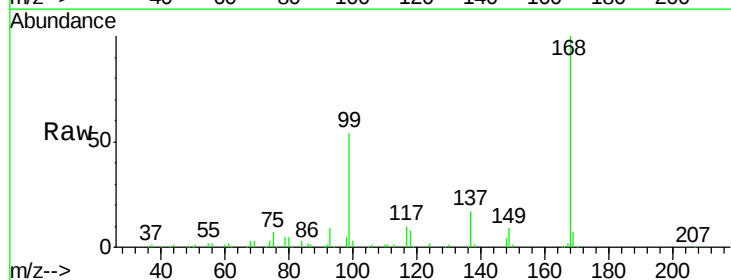
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18

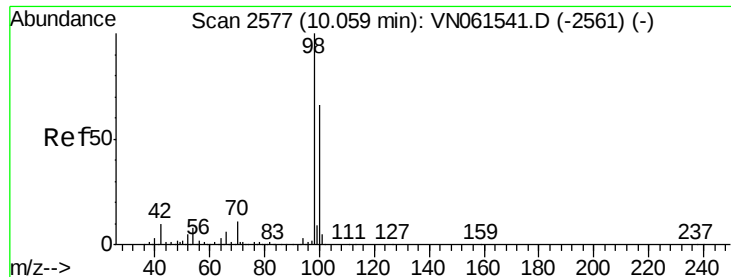
Tgt Ion: 75 Resp: 21665
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.75 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN061672.D
 Acq: 5 Jun 2020 16:17

Tgt Ion: 117 Resp: 31197
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.5 114.7#
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 50.51 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061672.D

Acq: 5 Jun 2020 16:17

Instrument :

MSVOA_N

ClientSampleId :

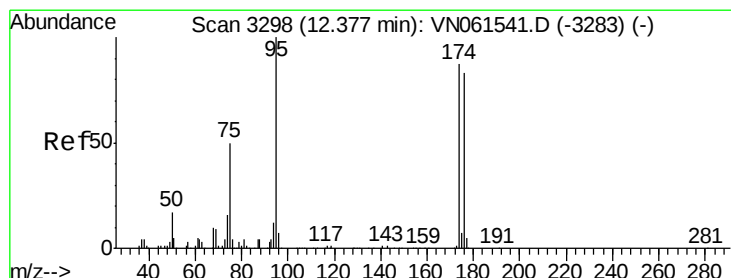
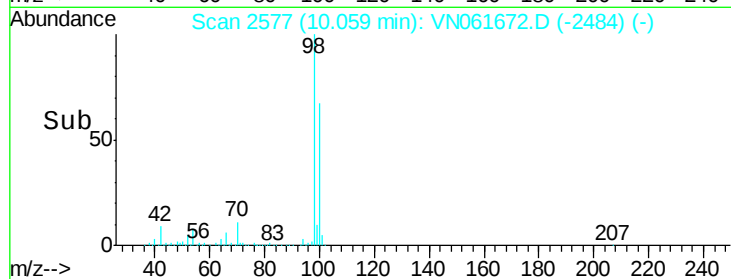
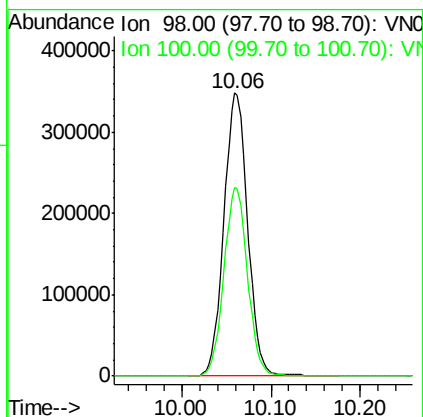
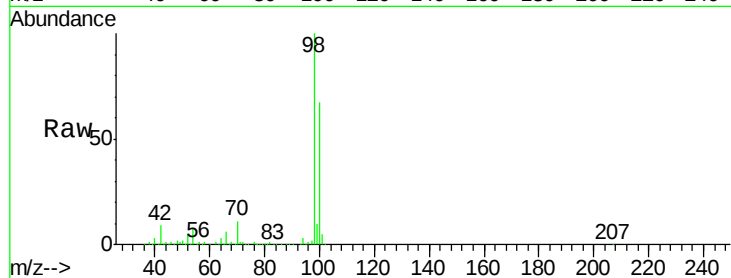
MW-18

Tgt Ion: 98 Resp: 642828

Ion Ratio Lower Upper

98 100

100 66.1 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 52.49 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061672.D

Acq: 5 Jun 2020 16:17

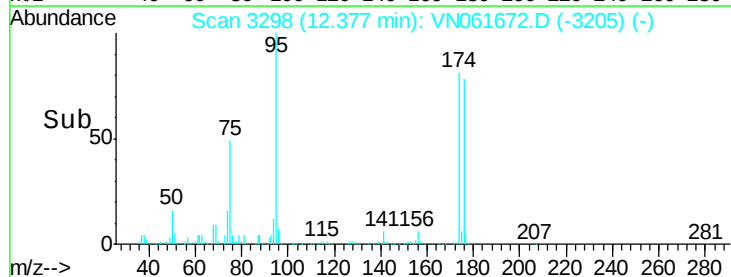
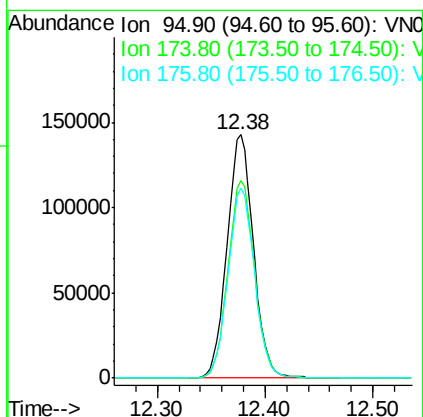
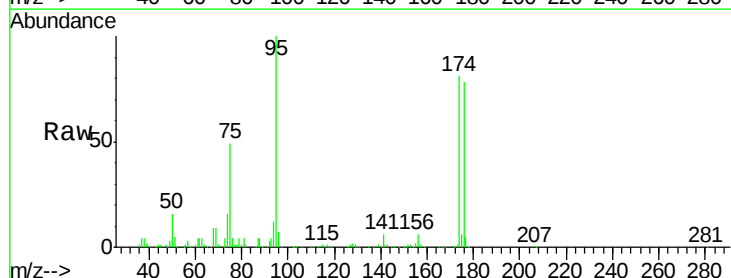
Tgt Ion: 95 Resp: 243715

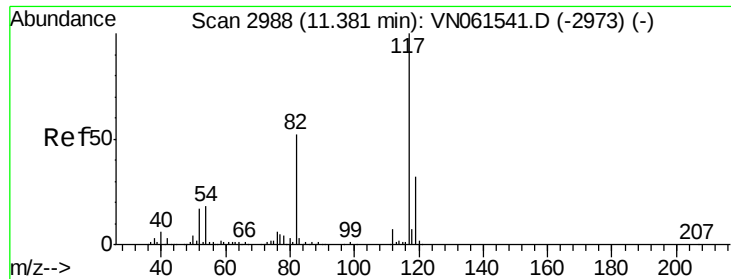
Ion Ratio Lower Upper

95 100

174 82.2 0.0 172.8

176 78.6 0.0 164.8

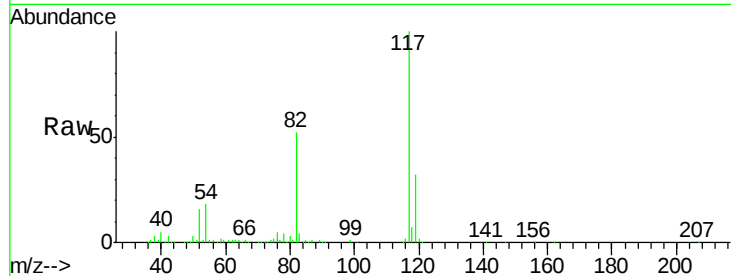




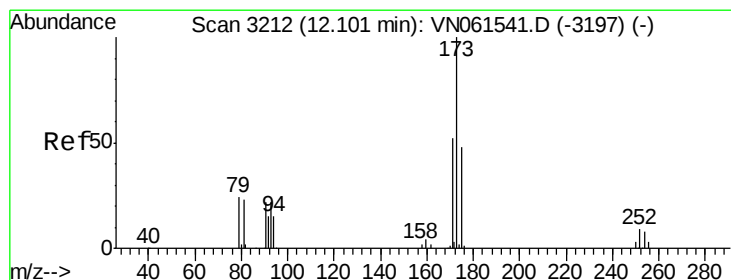
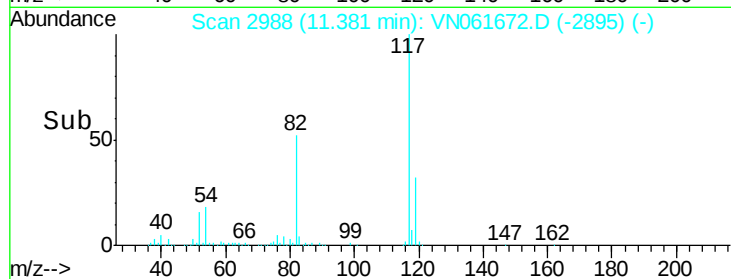
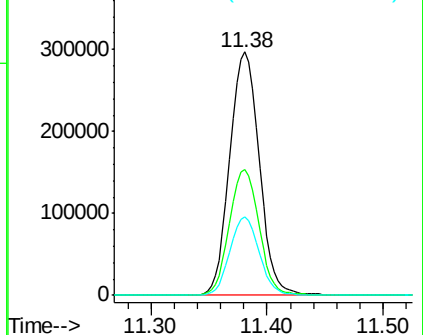
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061672.D
Acq: 5 Jun 2020 16:17

Instrument :
MSVOA_N
ClientSampleId :
MW-18

Tgt Ion:117 Resp: 524965
Ion Ratio Lower Upper
117 100
82 51.6 41.5 62.3
119 32.3 25.6 38.4

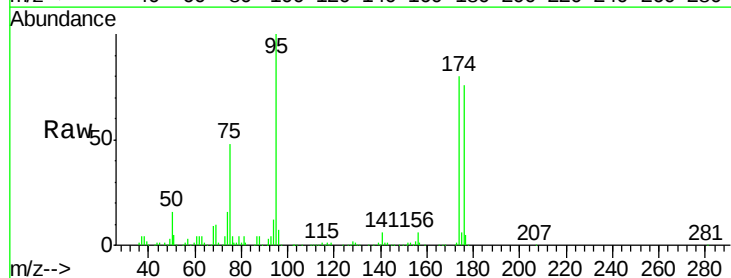


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

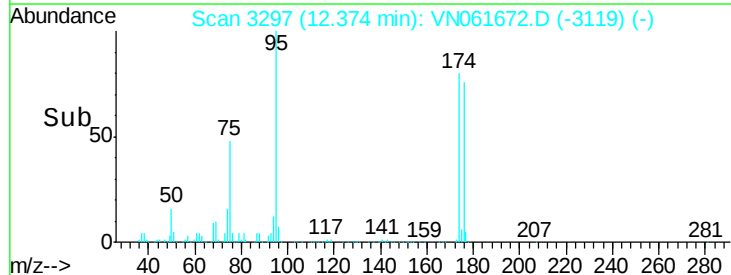
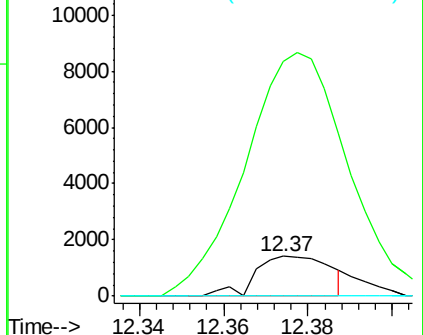


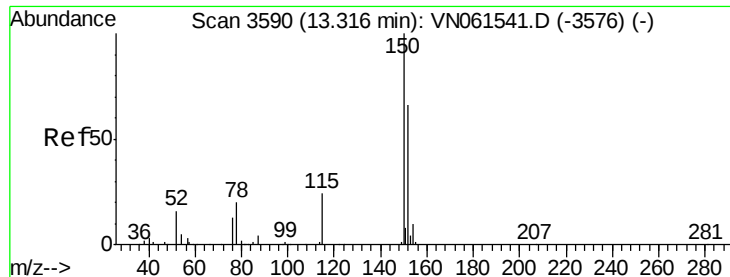
#71
Bromoform
Concen: 0.56 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061672.D
Acq: 5 Jun 2020 16:17

Tgt Ion:173 Resp: 1739
Ion Ratio Lower Upper
173 100
175 711.6 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: VN061672.D

Acq: 5 Jun 2020 16:17

Instrument :

MSVOA_N

ClientSampled :

MW-18

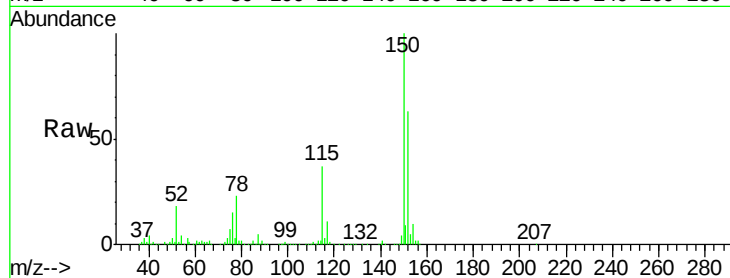
Tgt Ion:152 Resp: 250067

Ion Ratio Lower Upper

152 100

115 61.1 28.0 84.0

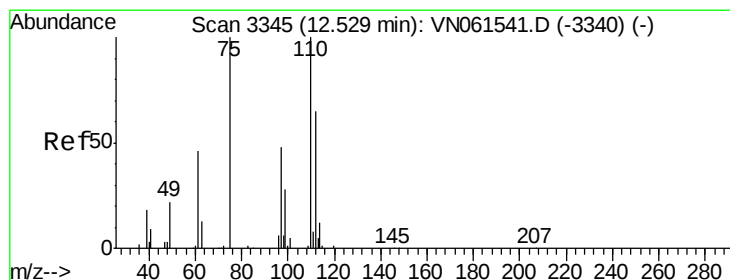
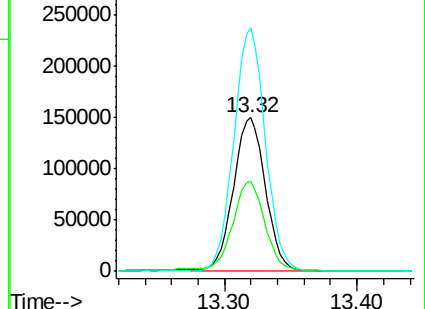
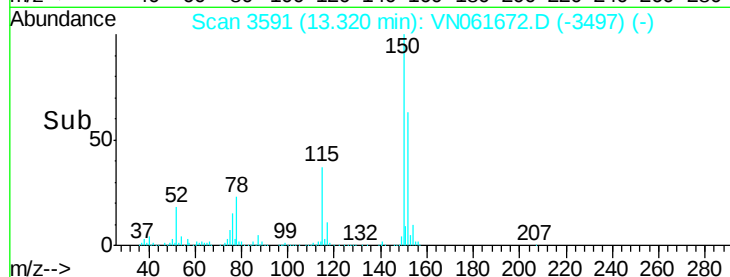
150 157.0 0.0 344.0



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: 26.52 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061672.D

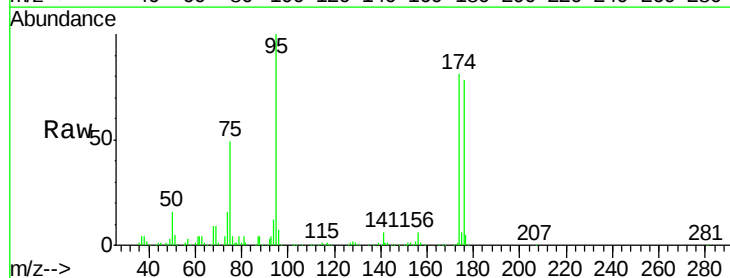
Acq: 5 Jun 2020 16:17

Tgt Ion: 75 Resp: 120601

Ion Ratio Lower Upper

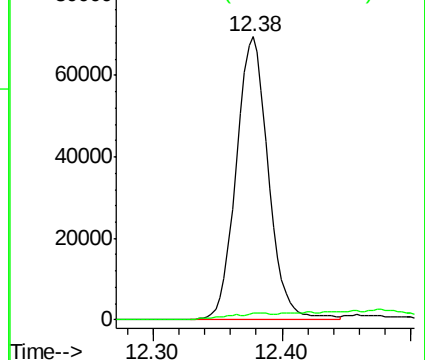
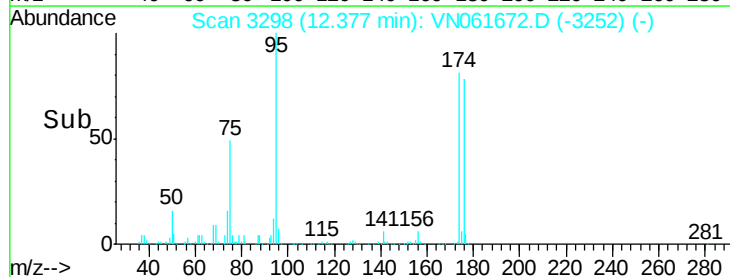
75 100

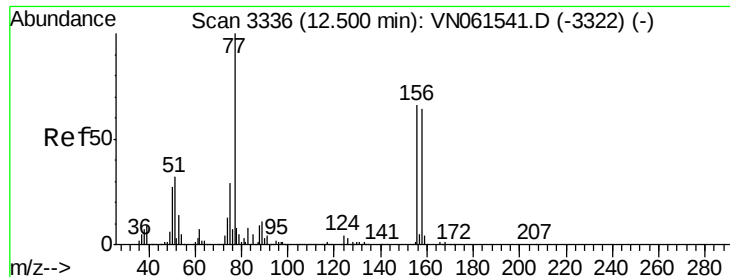
77 2.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

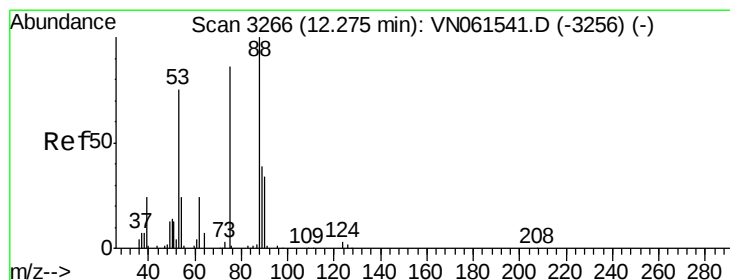
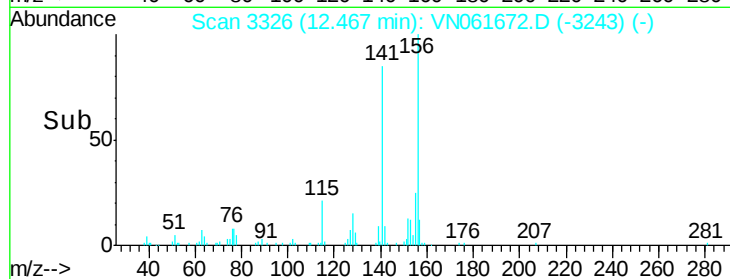
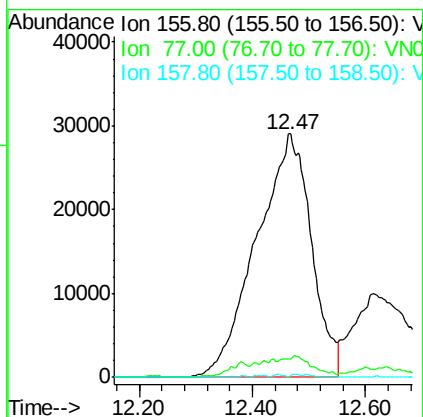
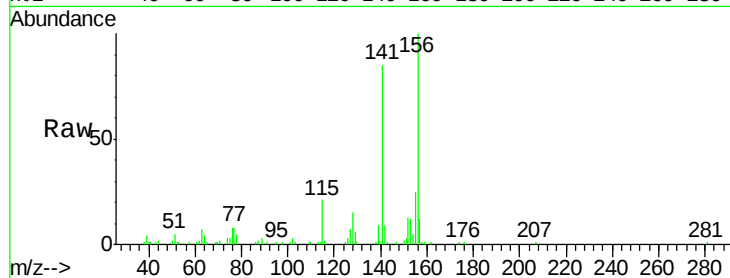




#77
Bromobenzene
Concen: 41.90 ug/l
RT: 12.47 min Scan# 3326
Delta R.T. -0.03 min
Lab File: VN061672.D
Acq: 5 Jun 2020 16:17

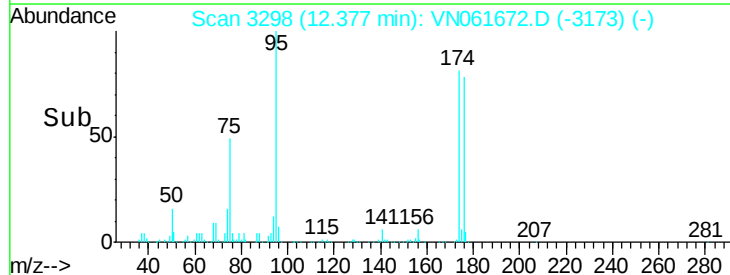
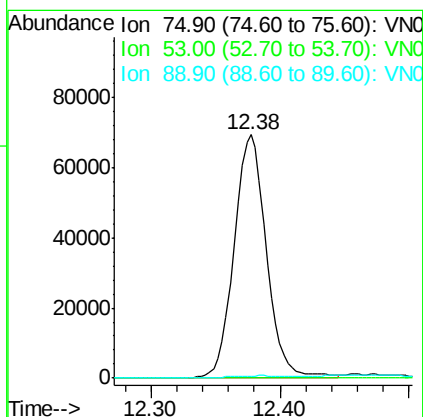
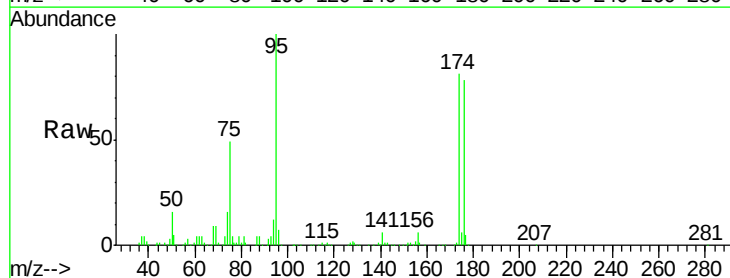
Instrument :
MSVOA_N
ClientSampleId :
MW-18

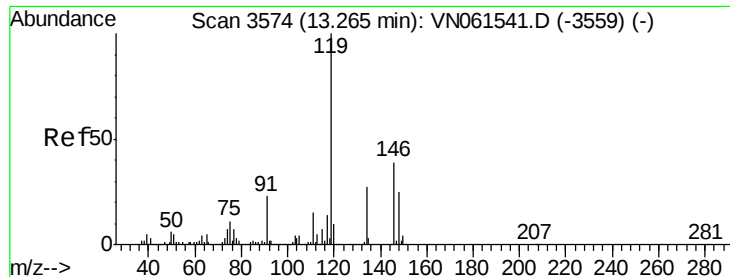
Tgt Ion	Ratio	Lower	Upper
156	100		
77	0.0	90.9	272.7#
158	0.2	48.4	145.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.82 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN061672.D
Acq: 5 Jun 2020 16:17

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.8	101.8#
89	0.3	37.1	55.7#





#86

p-Isopropyltoluene

Concen: 0.26 ug/l

RT: 13.42 min Scan# 3622

Delta R.T. 0.15 min

Lab File: VN061672.D

Acq: 5 Jun 2020 16:17

Instrument :

MSVOA_N

ClientSampleId :

MW-18

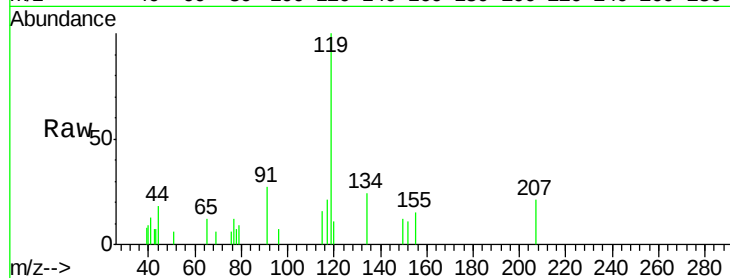
Tgt Ion:119 Resp: 4152

Ion Ratio Lower Upper

119 100

134 23.8 13.5 40.5

91 24.3 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

