

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062249.D
 Acq On : 30 Jun 2020 19:03
 Operator : JC/MD
 Sample : L3170-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Jul 01 03:38:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	200757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	389430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	377335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132160	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	156773	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
35) Dibromofluoromethane	7.55	113	126739	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	10.06	98	497967	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.38	95	160430	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	

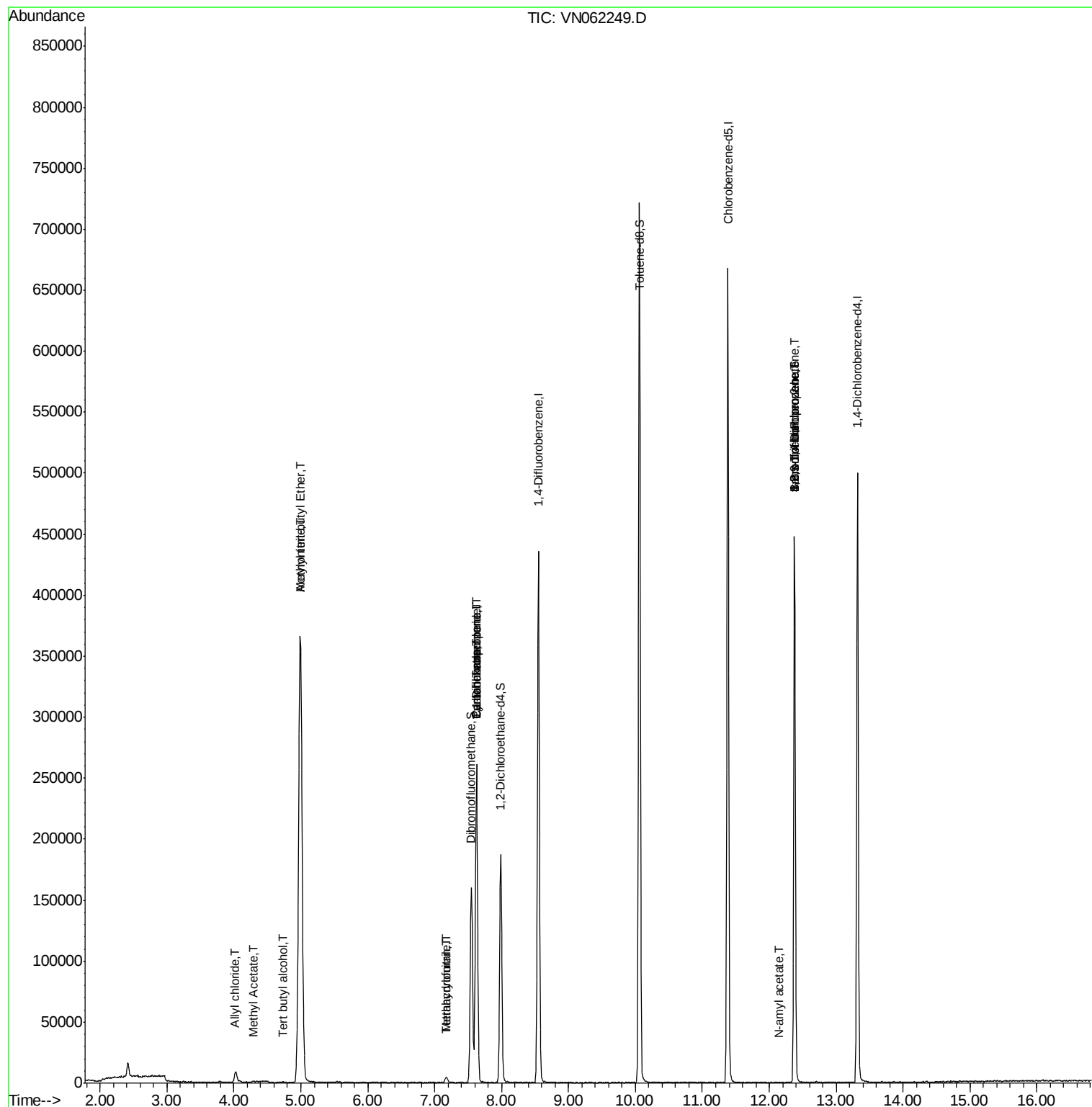
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	521	Below Cal	#	41
11) Tert butyl alcohol	4.74	59	862	2.131	ug/l #	72
14) Allyl chloride	4.02	41	1342	0.428	ug/l #	70
15) Acrylonitrile	4.99	53	7554	6.853	ug/l #	16
16) Acetone	3.79	43	1332	Below Cal		98
18) Methyl Acetate	4.28	43	756	0.338	ug/l #	46
19) Methyl tert-butyl Ether	4.99	73	644843	87.543	ug/l	99
29) Tetrahydrofuran	7.16	42	1437	1.593	ug/l #	13
31) Cyclohexane	7.62	56	5120	1.315	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	17218	4.399	ug/l #	48
38) Carbon Tetrachloride	7.62	117	21358	5.787	ug/l #	14
41) Methacrylonitrile	7.17	41	2567	1.708	ug/l #	35
71) Bromoform	12.38	173	1548	0.760	ug/l #	1
74) N-amyl acetate	12.15	43	62	3.359	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	81801	26.293	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	81801	76.785	ug/l #	13

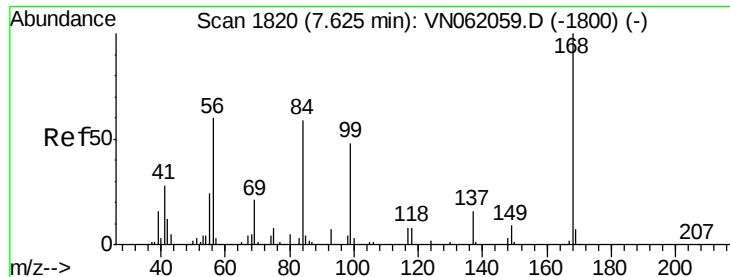
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN063020\
Data File : VN062249.D
Acq On : 30 Jun 2020 19:03
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Sample : L3170-03
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Quant Time: Jul 01 03:38:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062249.D

Acq: 30 Jun 2020 19:03

Instrument :

MSVOA_N

ClientSampleId :

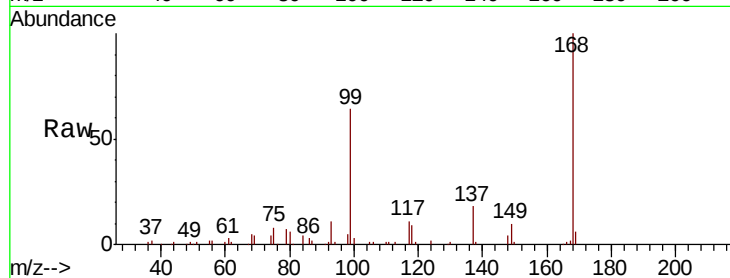
MW-4

Tot Ion:168 Resp: 200757

Ion Ratio Lower Upper

168 100

99 64.1 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

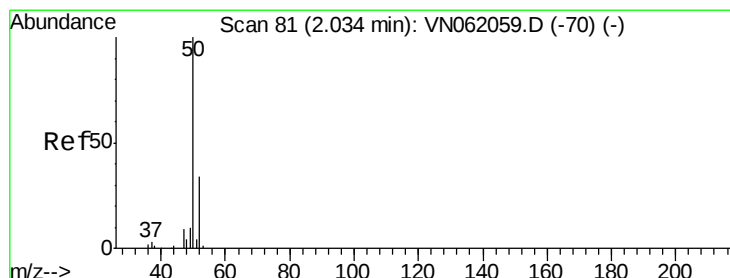
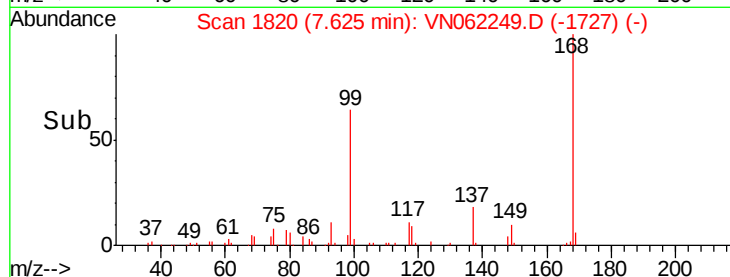
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062249.D

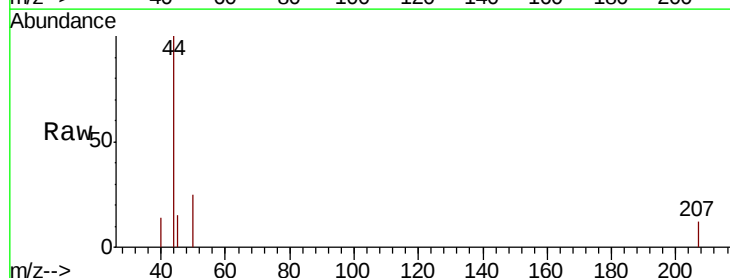
Acq: 30 Jun 2020 19:03

Tgt Ion: 50 Resp: 521

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

500

400

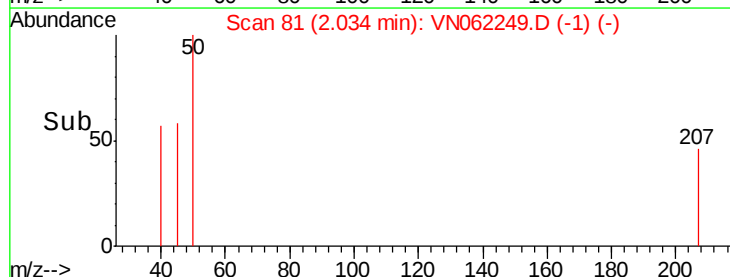
300

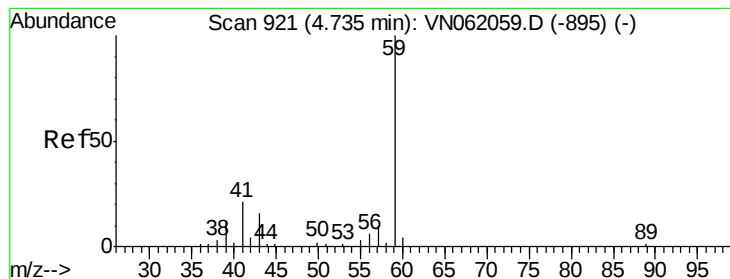
200

100

0

Time--> 2.00 2.02 2.04 2.06



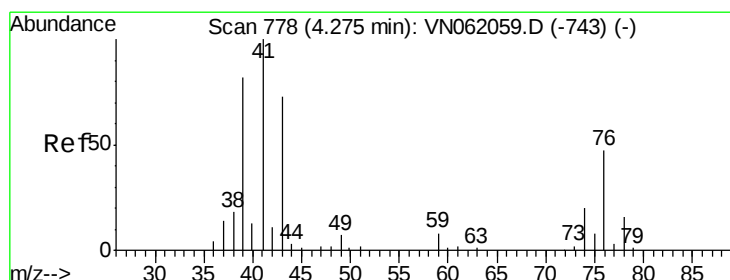
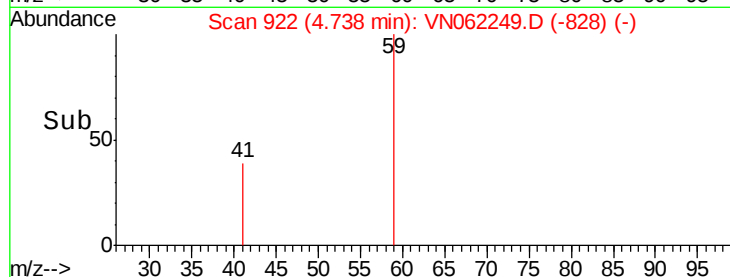
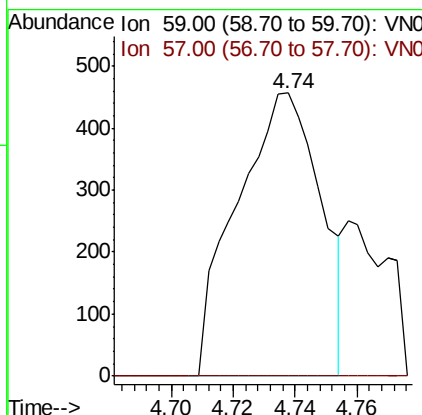
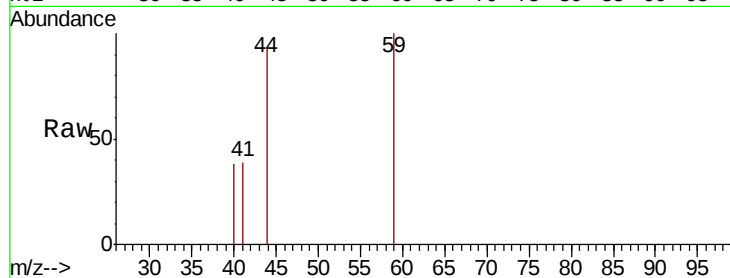


#11

Tert butyl alcohol
 Concen: 2.131 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062249.D
 Acq: 30 Jun 2020 19:03

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

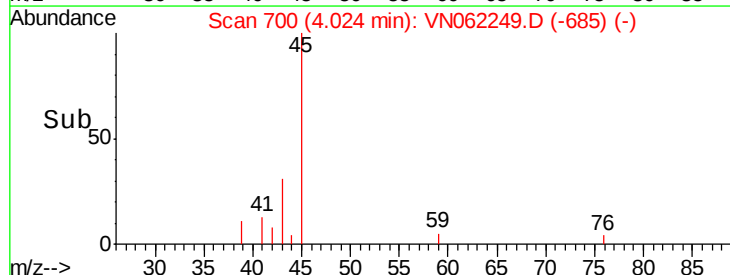
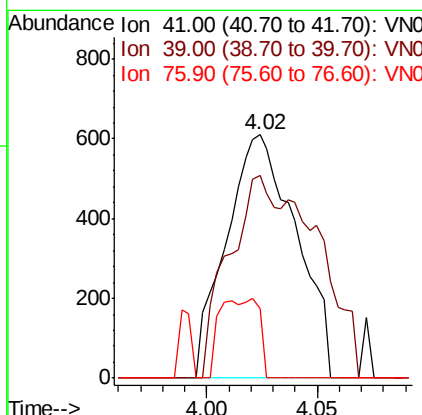
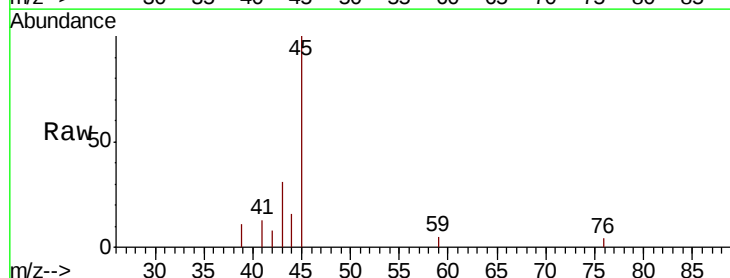
Tot Ion: 59 Resp: 862
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

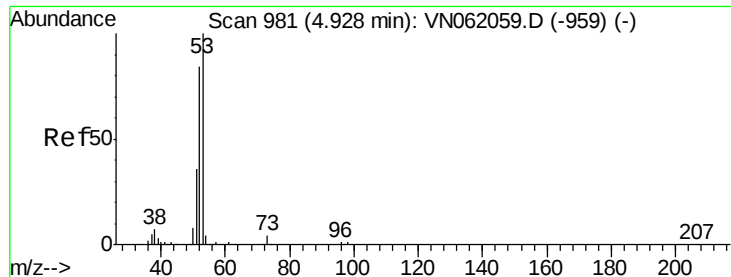


#14

Allyl chloride
 Concen: 0.428 ug/l
 RT: 4.02 min Scan# 700
 Delta R.T. -0.25 min
 Lab File: VN062249.D
 Acq: 30 Jun 2020 19:03

Tgt Ion: 41 Resp: 1342
 Ion Ratio Lower Upper
 41 100
 39 59.2 60.0 90.0#
 76 10.4 34.1 51.1#





#15

Acrylonitrile

Concen: 6.853 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.06 min

Lab File: VN062249.D

Acq: 30 Jun 2020 19:03

Instrument :

MSVOA_N

ClientSampled :

MW-4

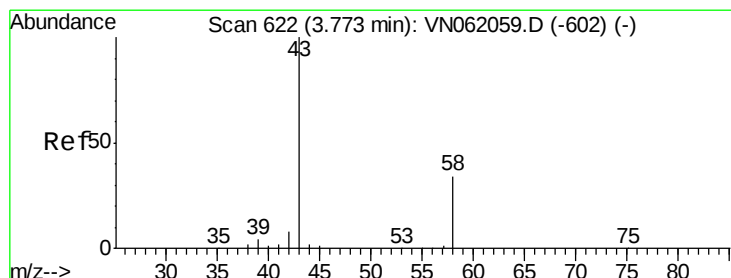
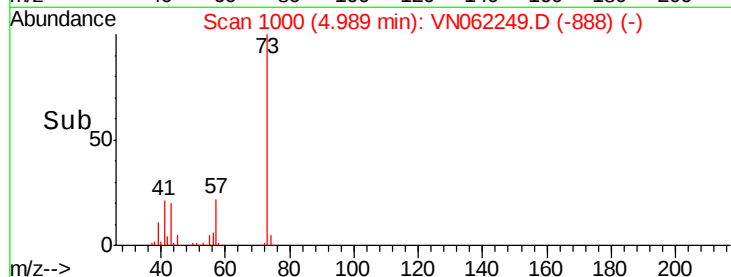
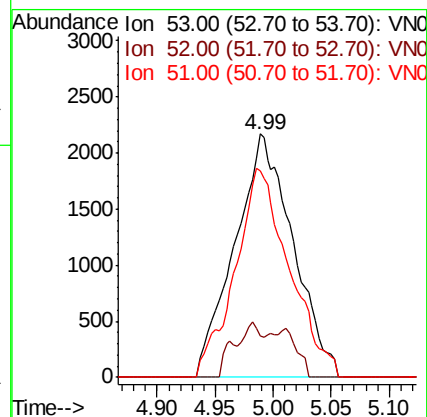
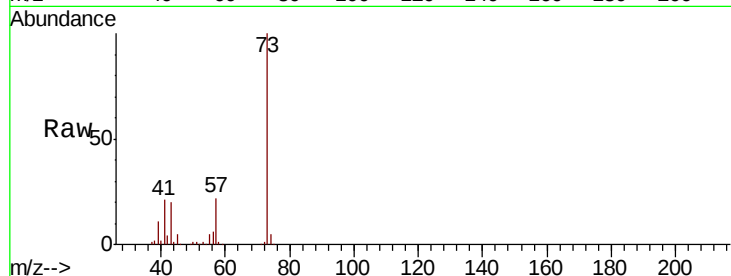
Tot Ion: 53 Resp: 7554

Ion Ratio Lower Upper

53 100

52 3.2 66.2 99.4#

51 80.0 28.9 43.3#



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.02 min

Lab File: VN062249.D

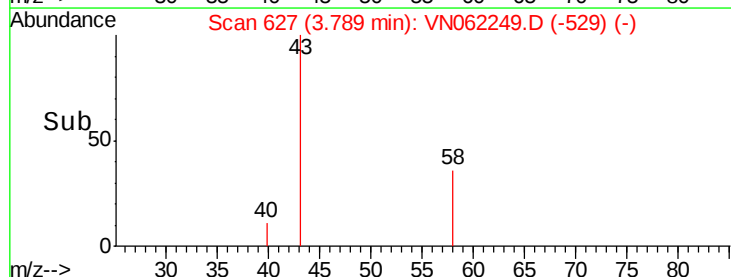
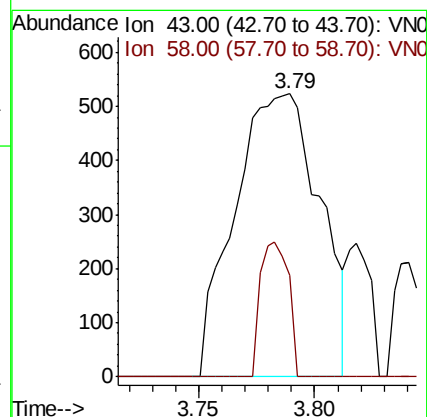
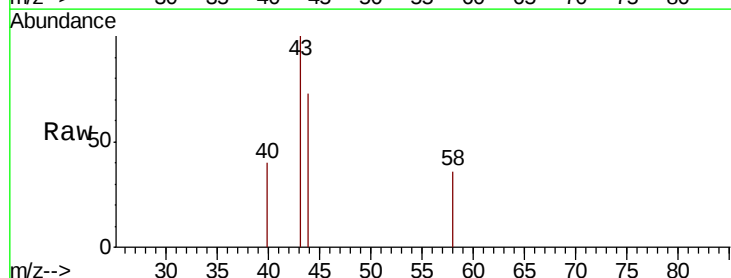
Acq: 30 Jun 2020 19:03

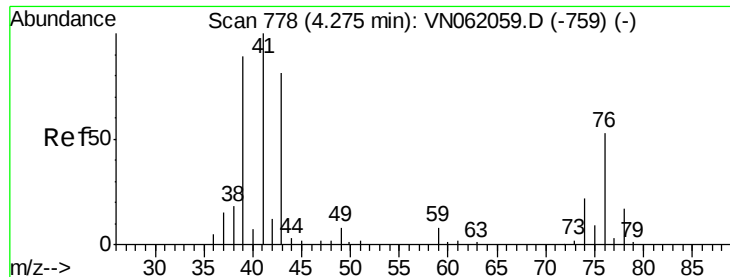
Tgt Ion: 43 Resp: 1332

Ion Ratio Lower Upper

43 100

58 35.8 27.5 41.3

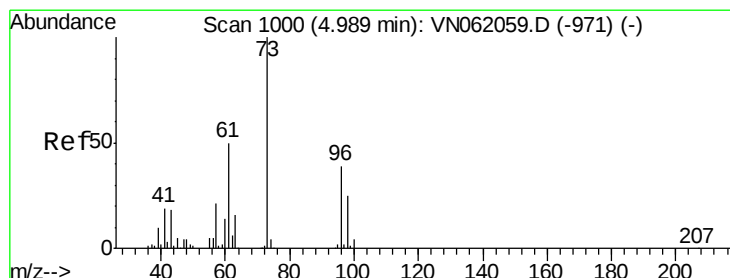
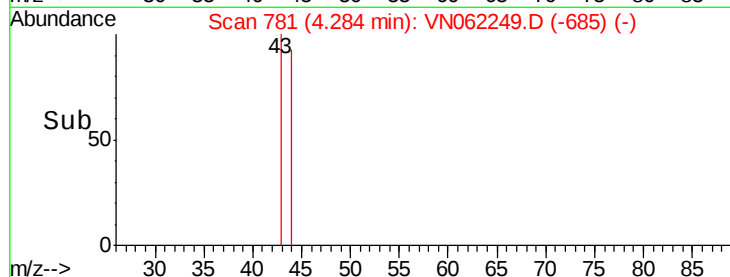
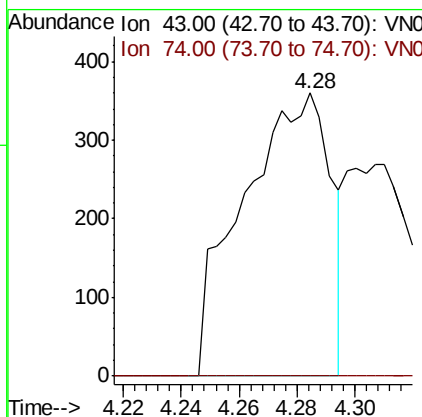
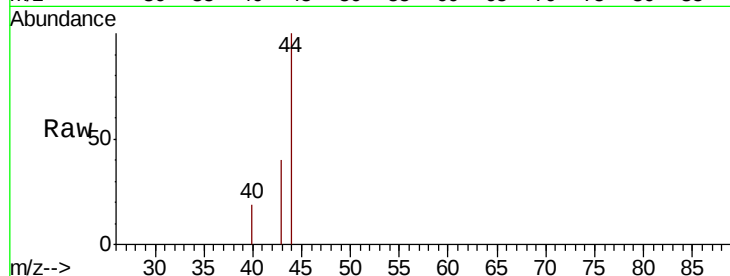




#18
Methyl Acetate
Concen: 0.338 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062249.D
Acq: 30 Jun 2020 19:03

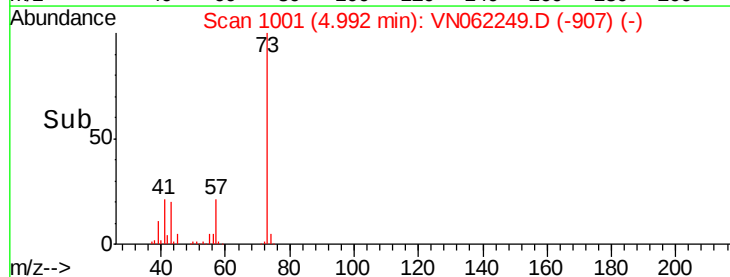
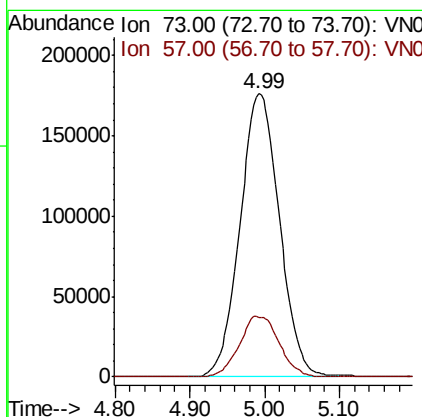
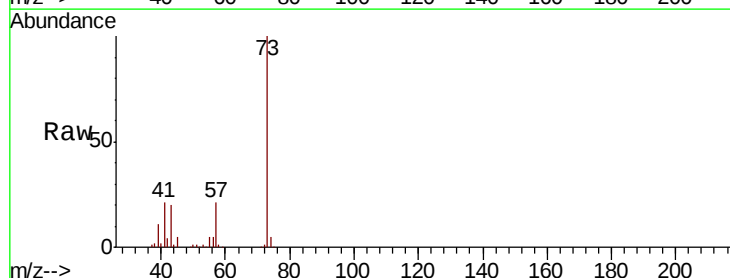
Instrument :
MSVOA_N
ClientSampled :
MW-4

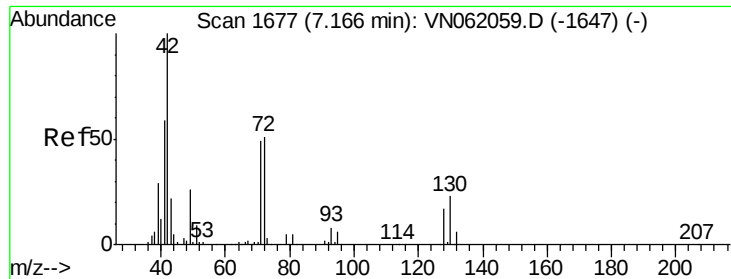
Tot Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#



#19
Methyl tert-butyl Ether
Concen: 87.543 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062249.D
Acq: 30 Jun 2020 19:03

Tgt Ion: 73 Resp: 644843
Ion Ratio Lower Upper
73 100
57 21.1 16.6 24.8

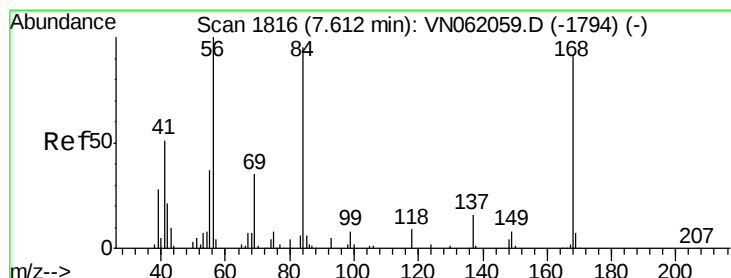
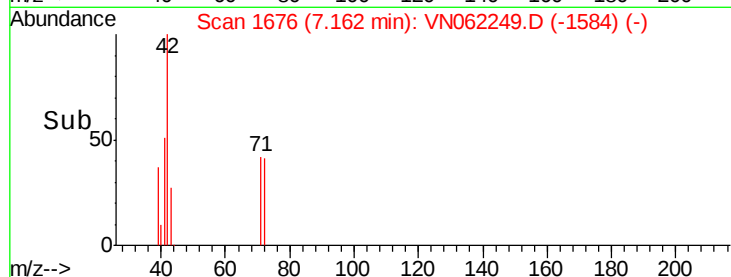
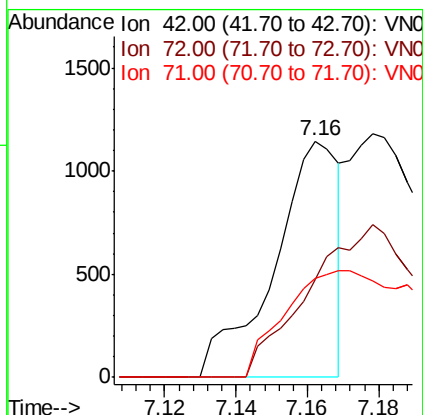
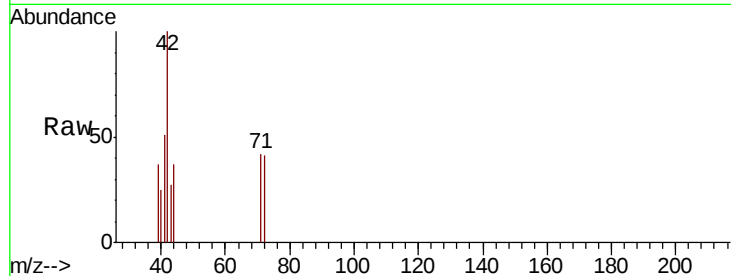




#29
Tetrahydrofuran
Concen: 1.593 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN062249.D
Acq: 30 Jun 2020 19:03

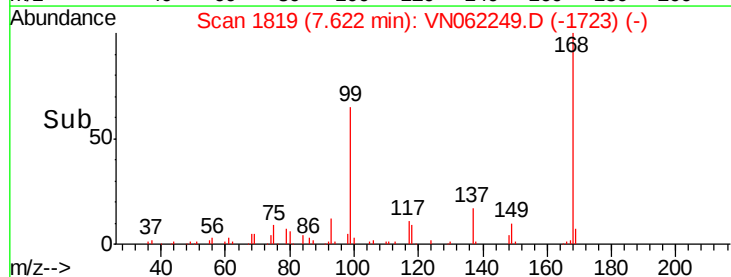
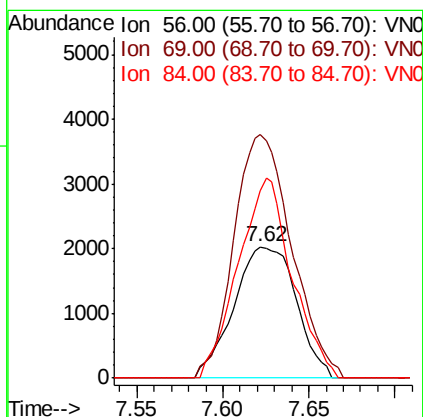
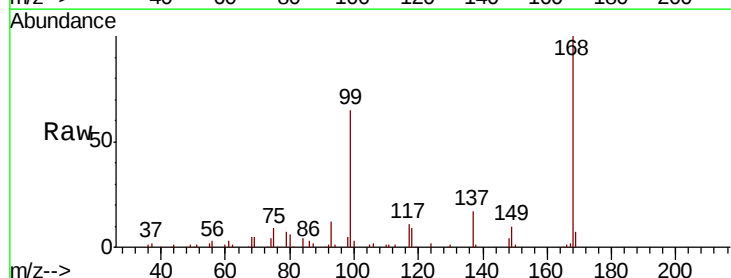
Instrument :
MSVOA_N
ClientSampled :
MW-4

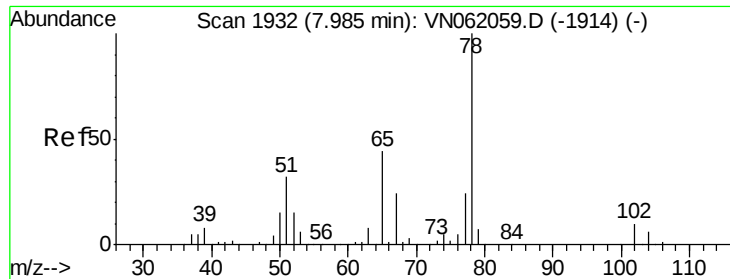
Tot Ion: 42 Resp: 1437
Ion Ratio Lower Upper
42 100
72 115.6 41.1 61.7#
71 102.4 38.2 57.4#



#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062249.D
Acq: 30 Jun 2020 19:03

Tgt Ion: 56 Resp: 5120
Ion Ratio Lower Upper
56 100
69 185.3 28.0 42.0#
84 143.0 76.1 114.1#

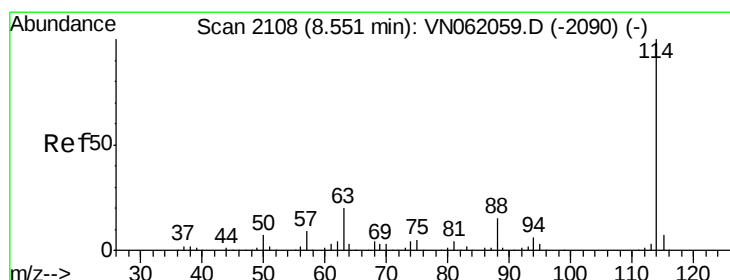
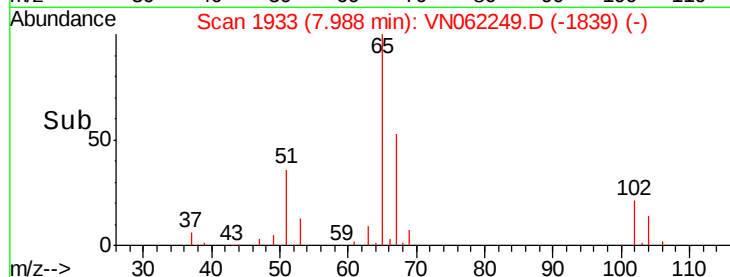
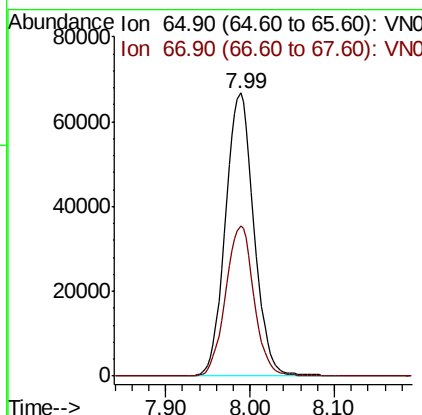
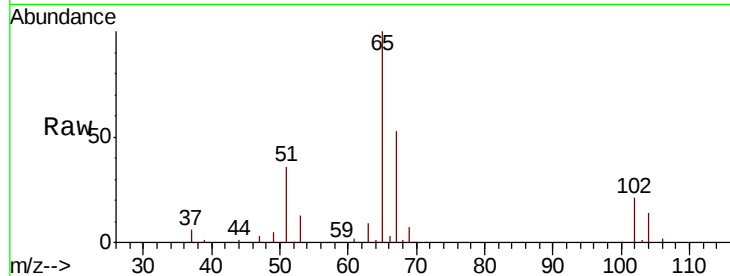




#33
 1,2-Dichloroethane-d4
 Concen: 55.647 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062249.D
 Acq: 30 Jun 2020 19:03

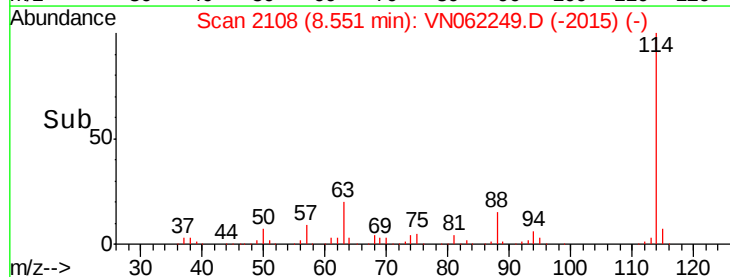
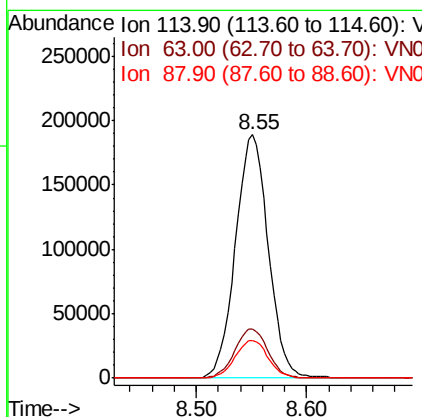
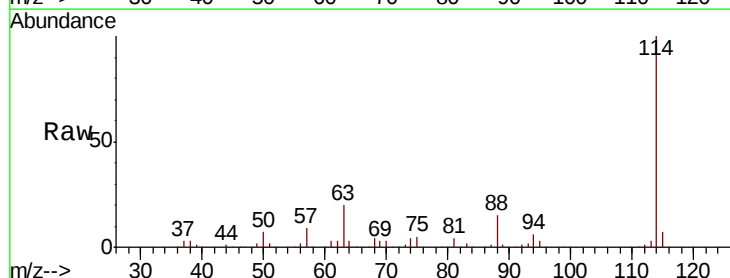
Instrument :
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 ClientSampleId :
 MW-4

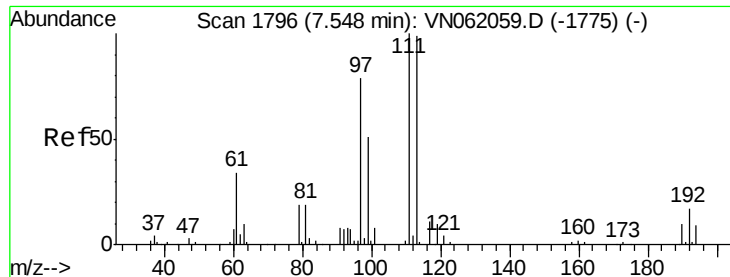
Tot Ion: 65 Resp: 156773
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062249.D
 Acq: 30 Jun 2020 19:03

Tgt Ion: 114 Resp: 389430
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.2
 88 15.4 0.0 30.8

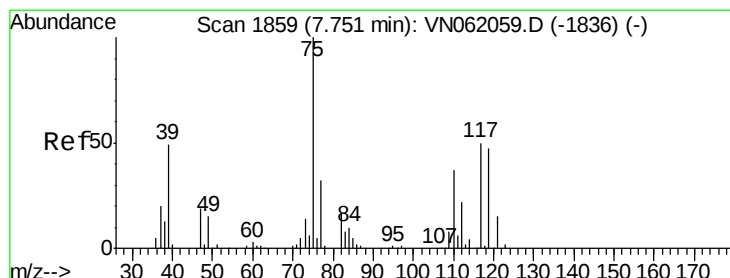
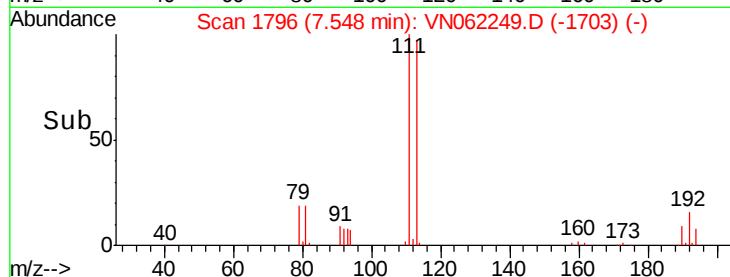
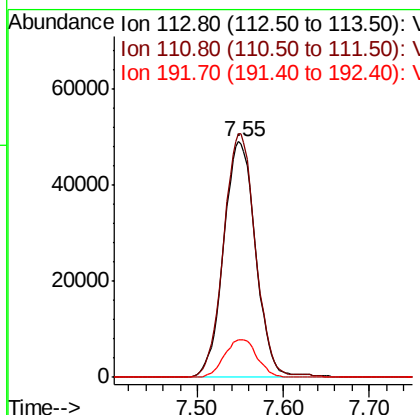
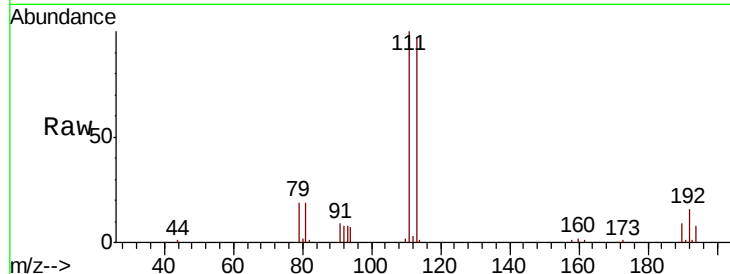




#35
 Dibromofluoromethane
 Concen: 50.728 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062249.D
 Acq: 30 Jun 2020 19:03

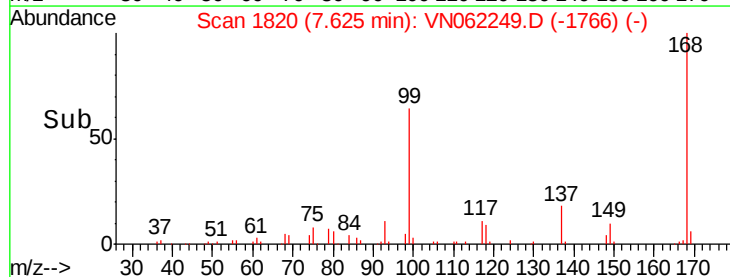
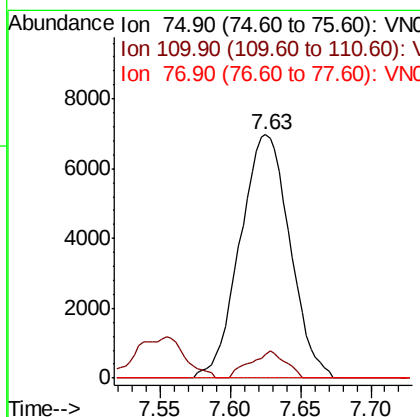
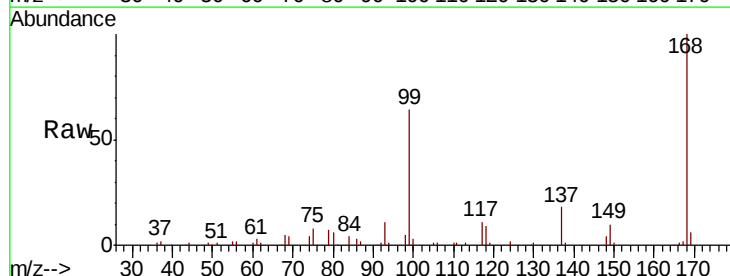
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

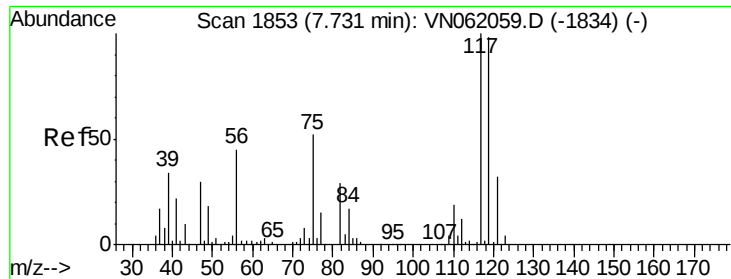
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	16.3	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.399 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062249.D
 Acq: 30 Jun 2020 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.9	53.8#
77	0.0	24.9	37.3#

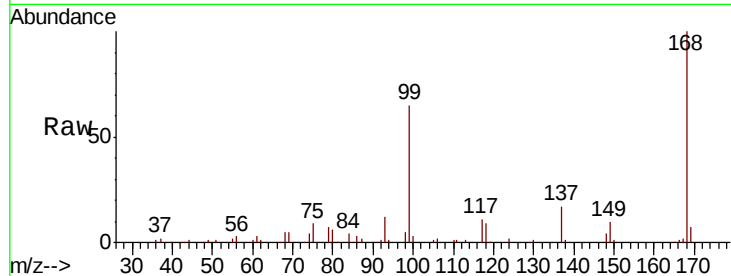




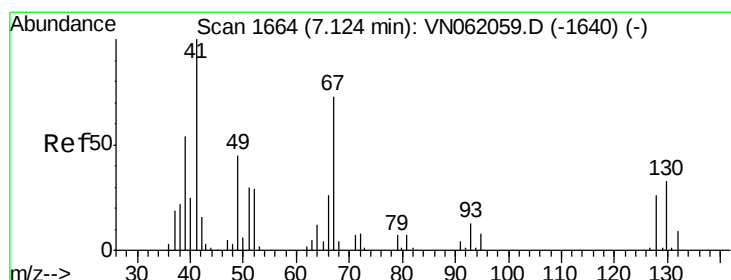
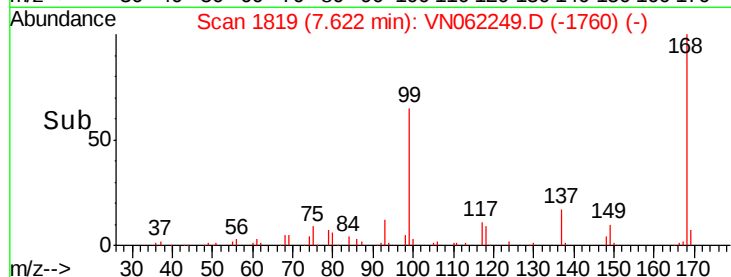
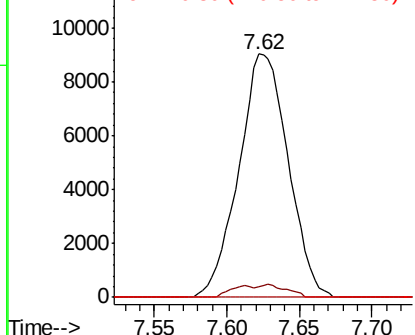
#38
Carbon Tetrachloride
Concen: 5.787 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN062249.D
Acq: 30 Jun 2020 19:03

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion:117 Resp: 21358
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 25.8 38.6#

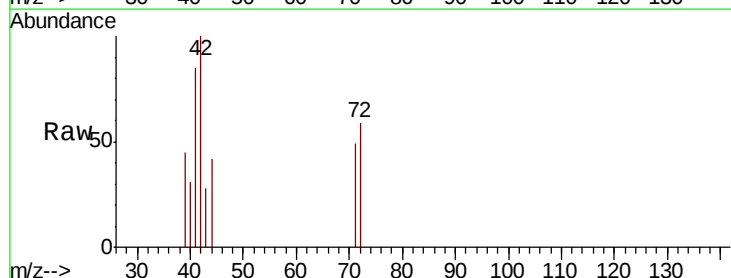


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

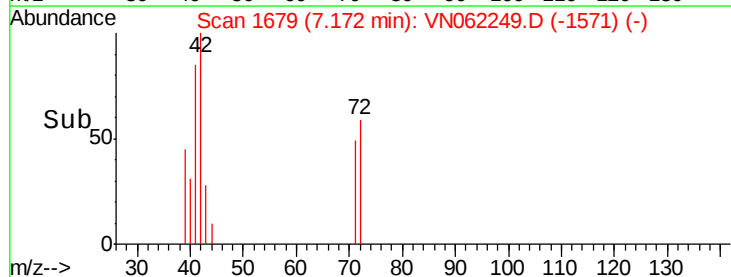
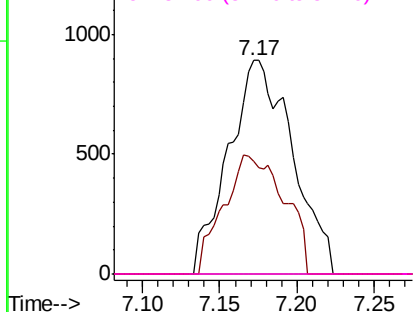


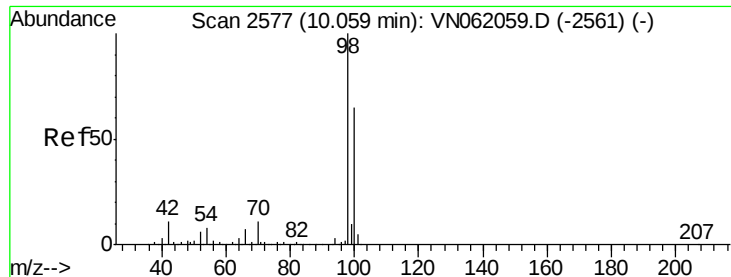
#41
Methacrylonitrile
Concen: 1.708 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.05 min
Lab File: VN062249.D
Acq: 30 Jun 2020 19:03

Tgt Ion: 41 Resp: 2567
Ion Ratio Lower Upper
41 100
39 52.7 44.2 66.2
67 0.0 79.5 119.3#
52 0.0 32.3 48.5#



Abundance Ion 41.00 (40.70 to 41.70): V
Ion 39.00 (38.70 to 39.70): V
Ion 67.00 (66.70 to 67.70): V
Ion 52.00 (51.70 to 52.70): V

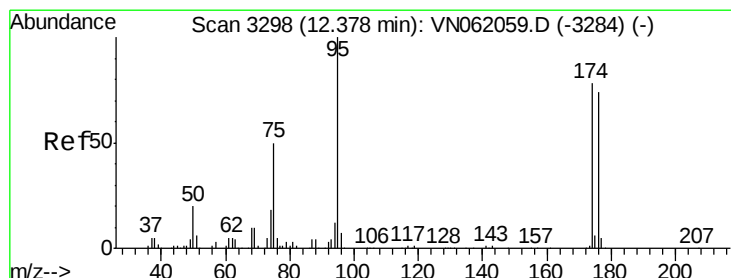
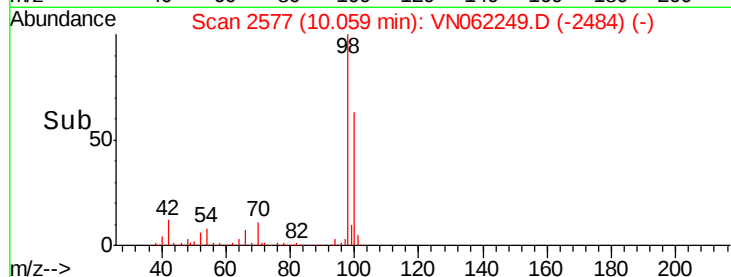
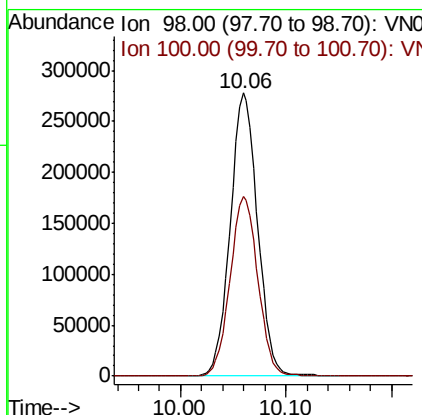
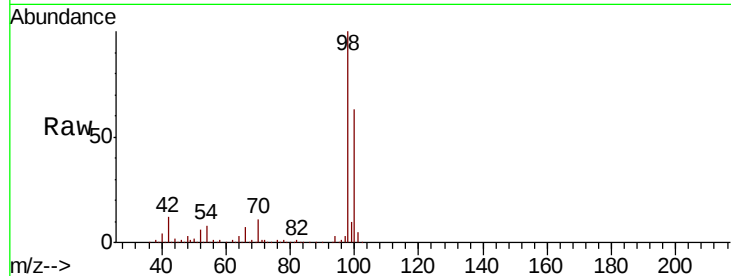




#50
Toluene-d8
Concen: 49.862 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062249.D
Acq: 30 Jun 2020 19:03

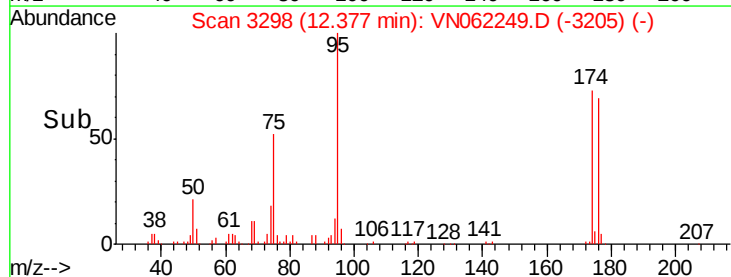
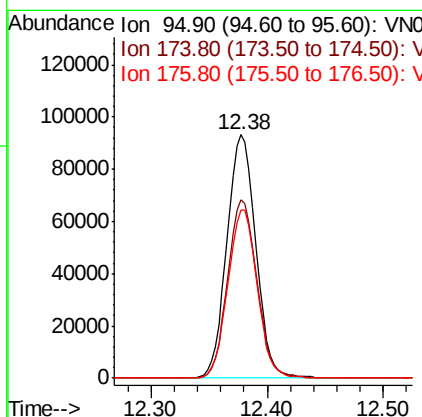
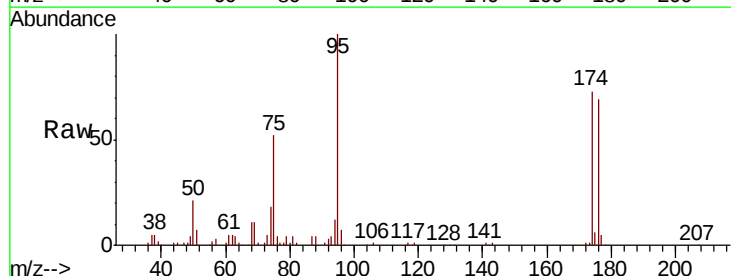
Instrument :
MSVOA_N
ClientSampleId :
MW-4

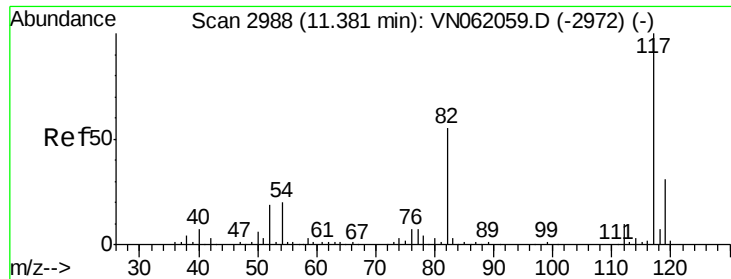
Tot Ion: 98 Resp: 497967
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 47.547 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062249.D
Acq: 30 Jun 2020 19:03

Tgt Ion: 95 Resp: 160430
Ion Ratio Lower Upper
95 100
174 73.9 0.0 154.8
176 70.1 0.0 147.4

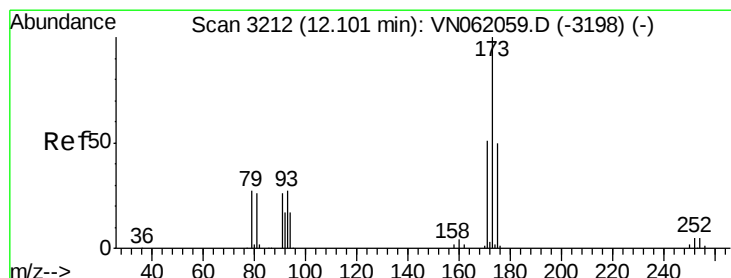
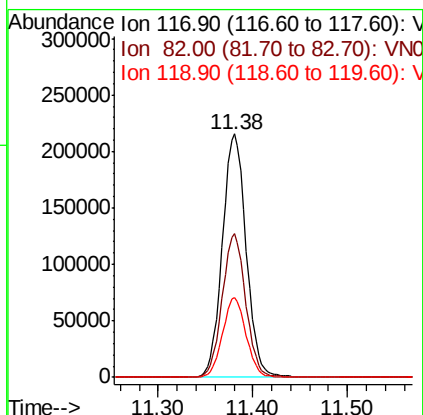
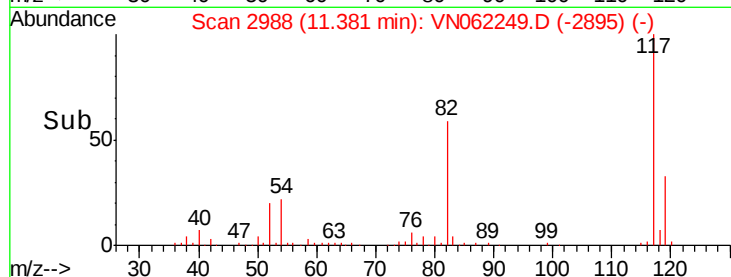
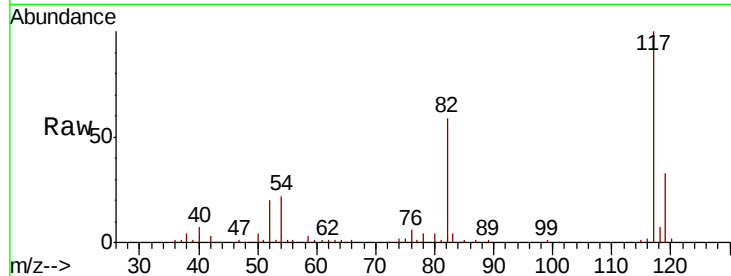




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062249.D
Acq: 30 Jun 2020 19:03

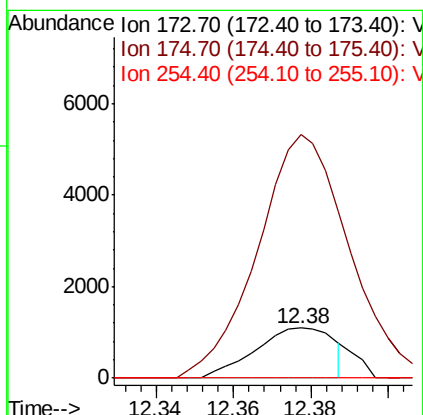
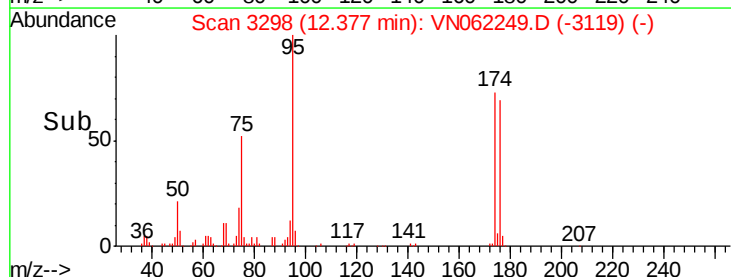
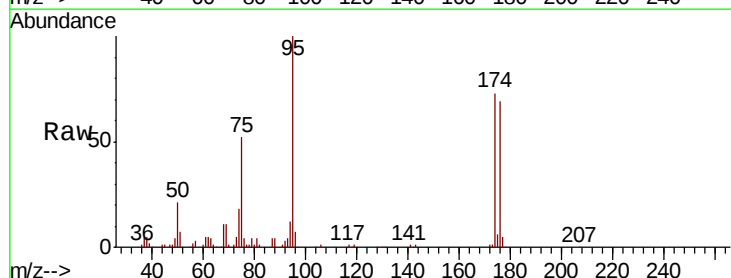
Instrument :
MSVOA_N
ClientSampled :
MW-4

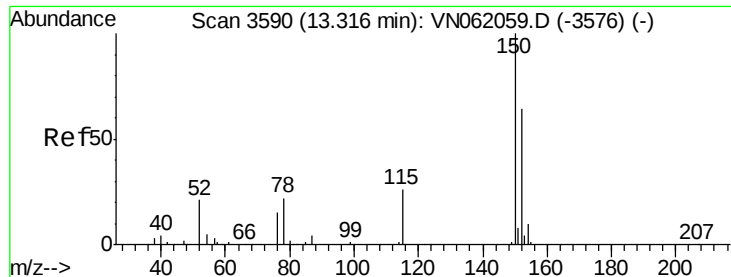
Tot Ion:117 Resp: 377335
Ion Ratio Lower Upper
117 100
82 58.9 43.8 65.8
119 33.0 25.2 37.8



#71
Bromoform
Concen: 0.760 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062249.D
Acq: 30 Jun 2020 19:03

Tgt Ion:173 Resp: 1548
Ion Ratio Lower Upper
173 100
175 464.9 24.7 74.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062249.D

Acq: 30 Jun 2020 19:03

Instrument :

MSVOA_N

ClientSampleId :

MW-4

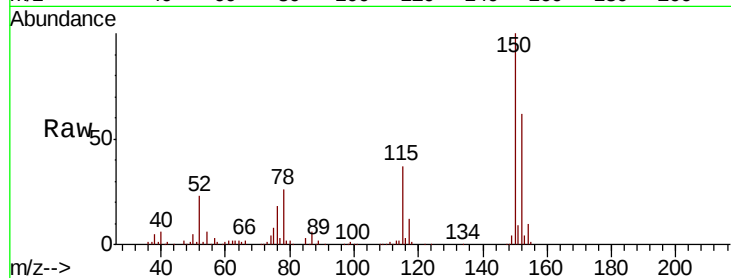
Tot Ion:152 Resp: 132160

Ion Ratio Lower Upper

152 100

115 60.3 29.5 88.5

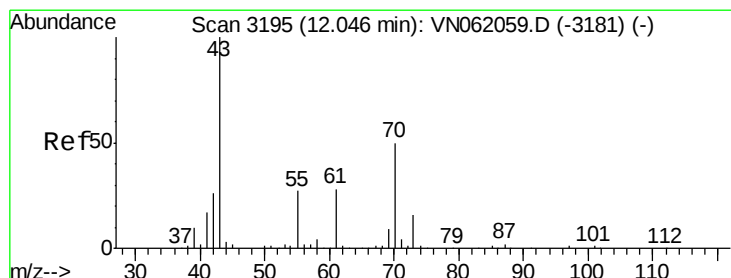
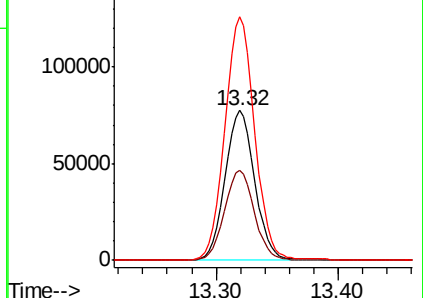
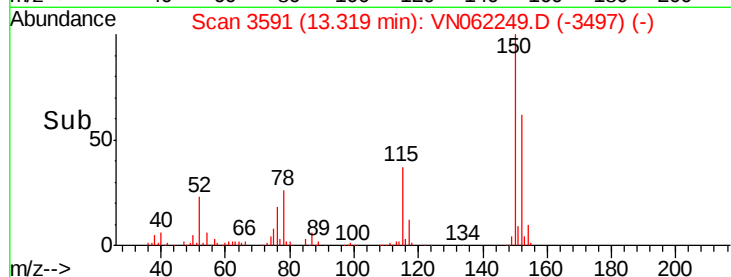
150 162.8 0.0 351.4



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



#74

N-ethyl acetate

Concen: 3.359 ug/l

RT: 12.15 min Scan# 3227

Delta R.T. 0.10 min

Lab File: VN062249.D

Acq: 30 Jun 2020 19:03

Tgt Ion: 43 Resp: 62

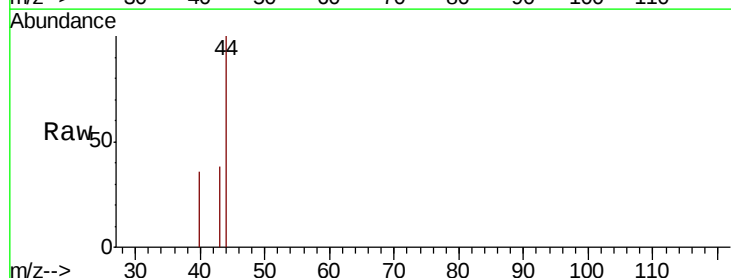
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

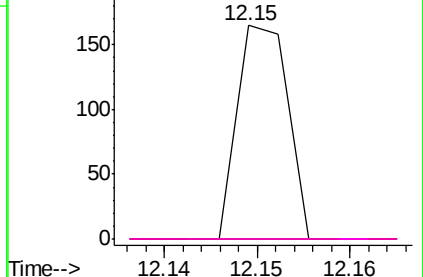
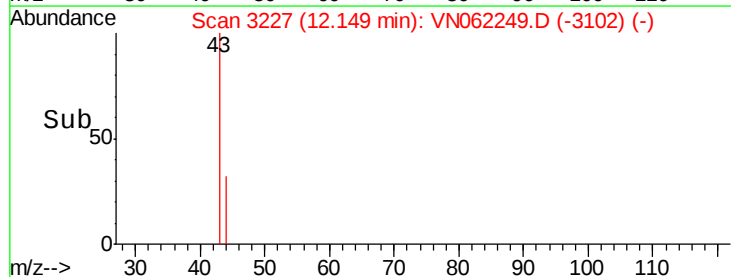


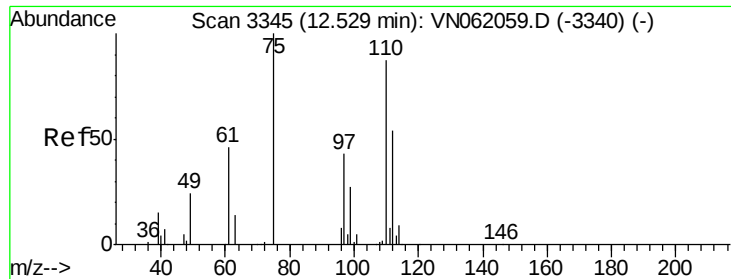
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

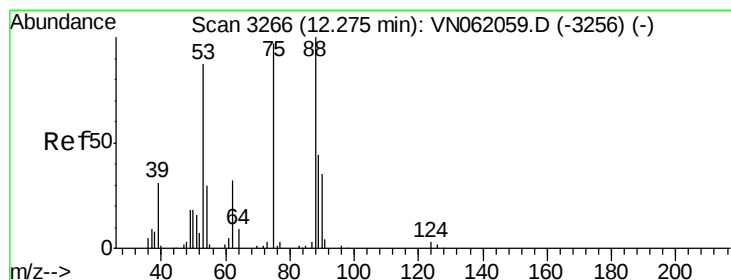
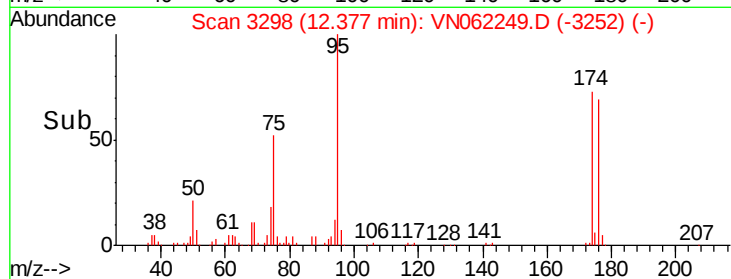
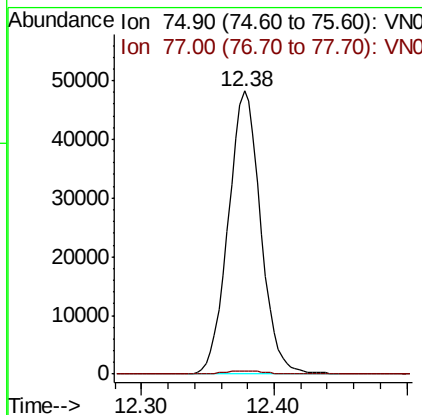
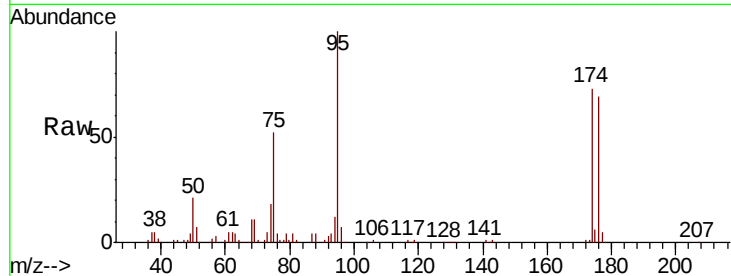




#76
 1,2,3-Trichloropropane
 Concen: 26.293 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062249.D
 Acq: 30 Jun 2020 19:03

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

Tot Ion: 75 Resp: 81801
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.785 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062249.D
 Acq: 30 Jun 2020 19:03

Tgt Ion: 75 Resp: 81801
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.0 108.0#
 89 0.0 36.9 55.3#

