

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062253.D
 Acq On : 30 Jun 2020 20:40
 Operator : JC/MD
 Sample : L3170-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Quant Time: Jul 01 03:38:56 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

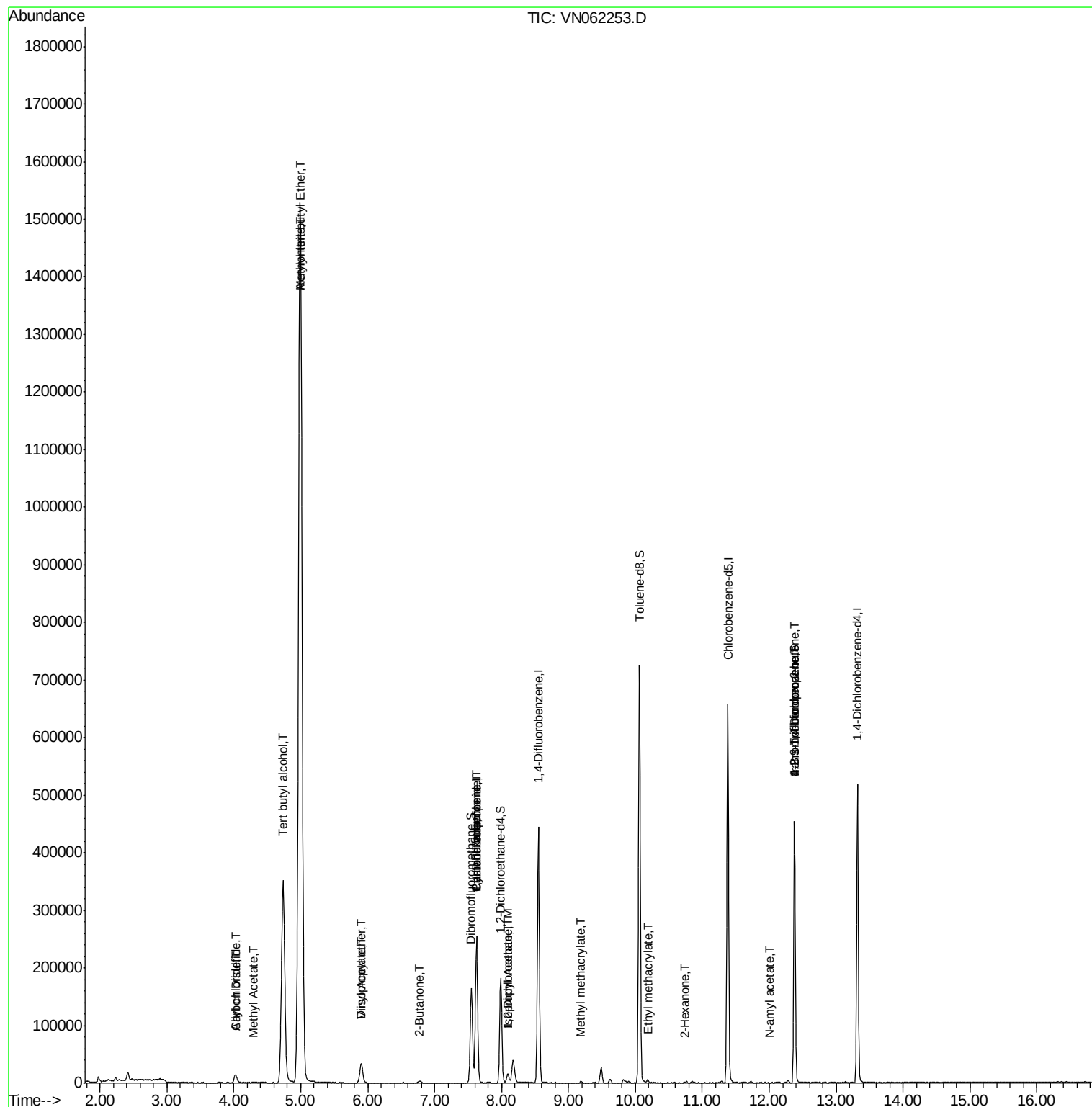
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	198268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	391396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	377837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	133870	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	151891	54.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.18%	
35) Dibromofluoromethane	7.55	113	126656	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
50) Toluene-d8	10.06	98	501120	49.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.38	95	159676	47.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.18%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	349	Below Cal	#	41
11) Tert butyl alcohol	4.73	59	655946	1641.975	ug/l	100
14) Allyl chloride	4.03	41	2477	0.799	ug/l #	38
15) Acrylonitrile	5.00	53	28698	26.362	ug/l #	28
16) Acetone	3.78	43	2418	Below Cal	#	74
17) Carbon Disulfide	4.01	76	2912	0.497	ug/l #	75
18) Methyl Acetate	4.29	43	511	0.231	ug/l #	46
19) Methyl tert-butyl Ether	4.99	73	2800913	385.022	ug/l	98
22) Diisopropyl ether	5.91	45	40855	5.789	ug/l	93
23) Vinyl Acetate	5.90	43	22615	3.925	ug/l #	68
25) 2-Butanone	6.78	43	1213	0.892	ug/l #	44
31) Cyclohexane	7.63	56	4831	1.257	ug/l #	28
36) 1,1-Dichloropropene	7.63	75	17727	4.506	ug/l #	47
38) Carbon Tetrachloride	7.63	117	20619	5.559	ug/l #	16
42) 1,2-Dichloroethane	8.09	62	3089	0.762	ug/l	85
43) Isopropyl Acetate	8.09	43	3192	0.601	ug/l #	63
48) Methyl methacrylate	9.18	41	787	0.331	ug/l #	17
56) Ethyl methacrylate	10.18	69	787	0.205	ug/l #	37
59) 2-Hexanone	10.73	43	458	0.204	ug/l #	21
74) N-amyl acetate	12.01	43	104	3.369	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	84150	26.702	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	84150	77.981	ug/l #	13

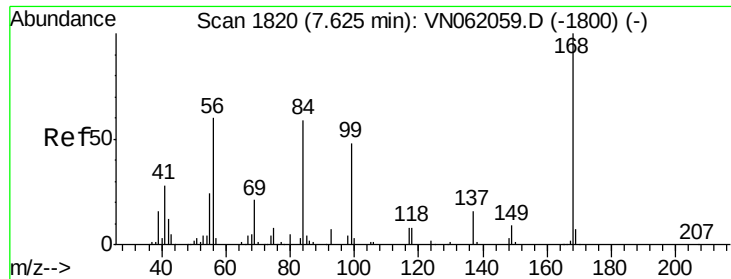
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062253.D

Acq: 30 Jun 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

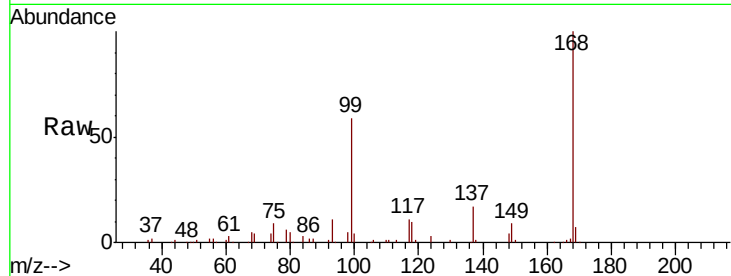
MW-7

Tot Ion:168 Resp: 198268

Ion Ratio Lower Upper

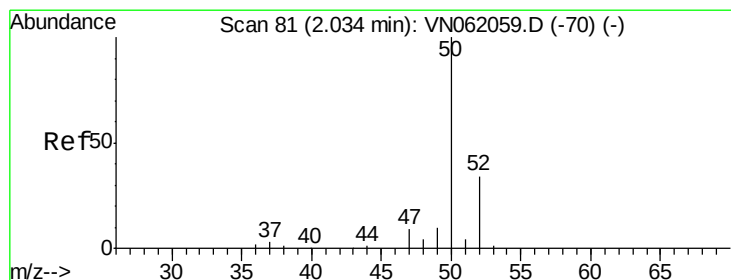
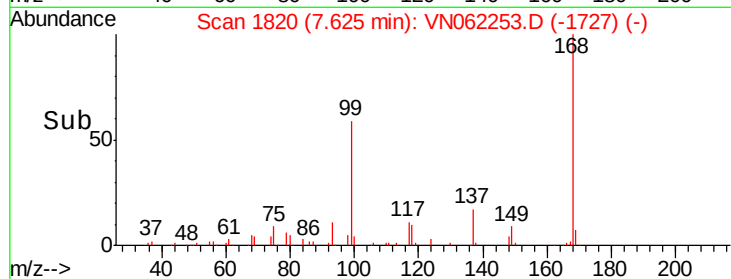
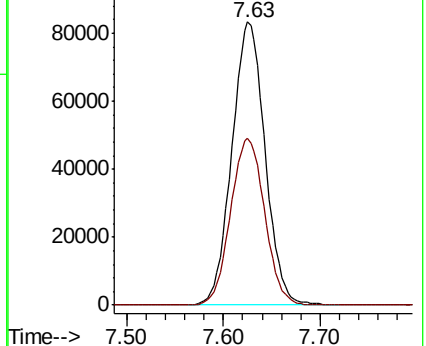
168 100

99 58.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062253.D

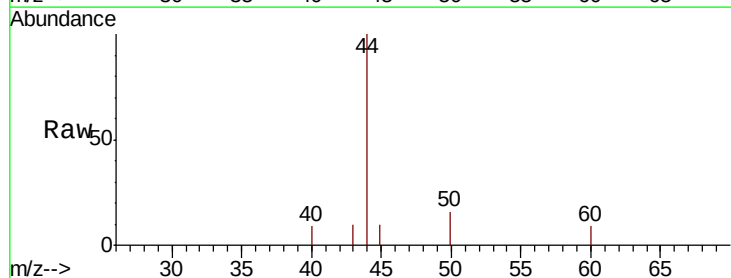
Acq: 30 Jun 2020 20:40

Tgt Ion: 50 Resp: 349

Ion Ratio Lower Upper

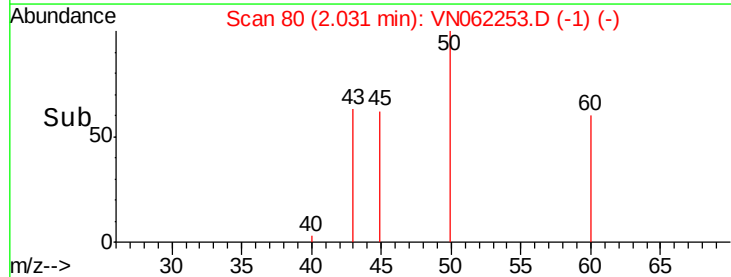
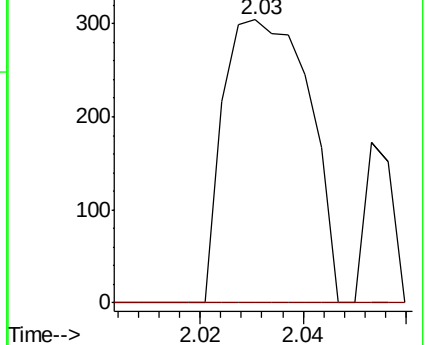
50 100

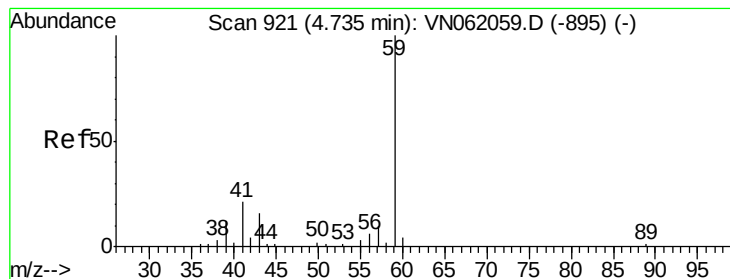
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN



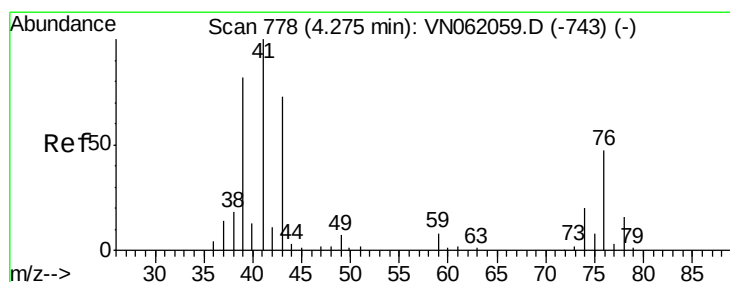
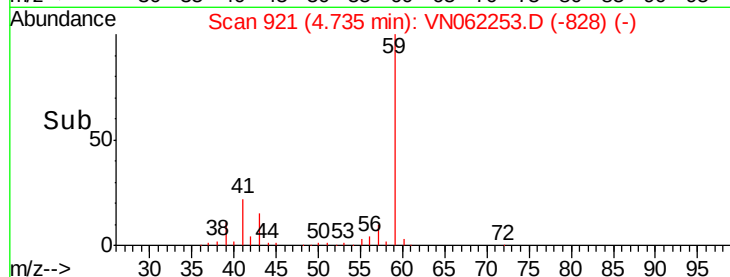
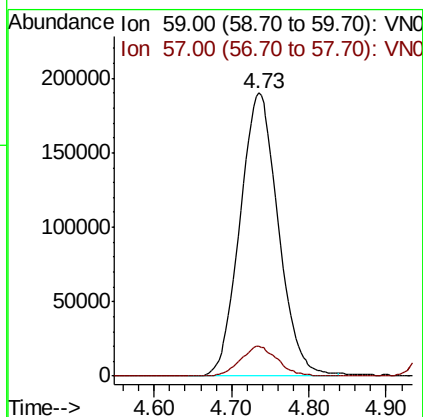
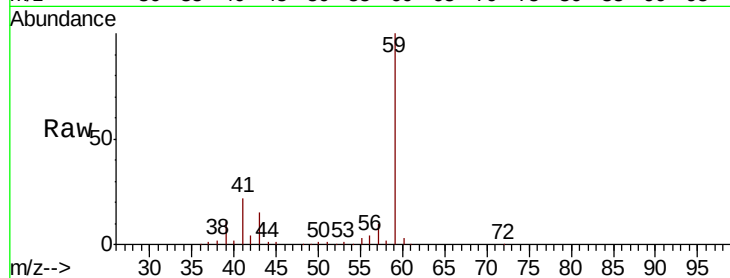


#11

Tert butyl alcohol
 Concen: 1641.975 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062253.D
 Acq: 30 Jun 2020 20:40

Instrument :
 MSVOA_N
 ClientSampled :
 MW-7

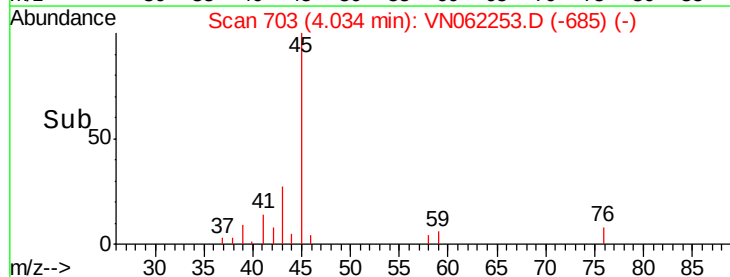
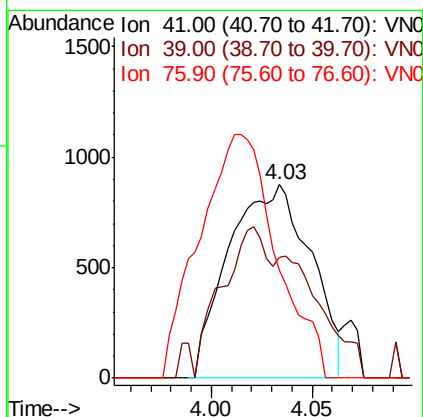
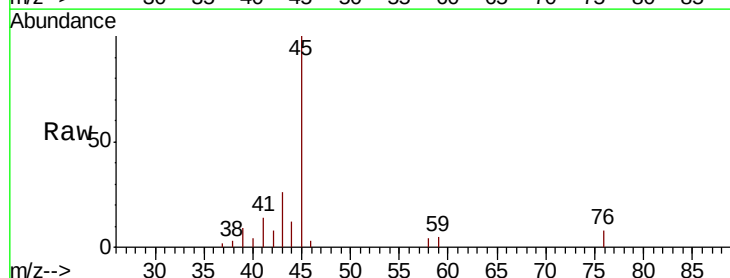
Tot Ion: 59 Resp: 655946
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.3 12.5

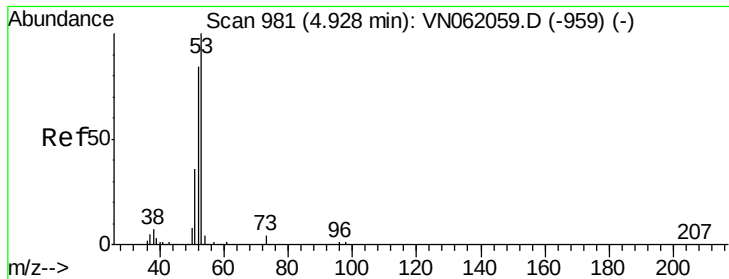


#14

Allyl chloride
 Concen: 0.799 ug/l
 RT: 4.03 min Scan# 703
 Delta R.T. -0.24 min
 Lab File: VN062253.D
 Acq: 30 Jun 2020 20:40

Tgt Ion: 41 Resp: 2477
 Ion Ratio Lower Upper
 41 100
 39 45.8 60.0 90.0#
 76 113.7 34.1 51.1#





#15

Acrylonitrile

Concen: 26.362 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.07 min

Lab File: VN062253.D

Acq: 30 Jun 2020 20:40

Instrument :

MSVOA_N

ClientSampled :

MW-7

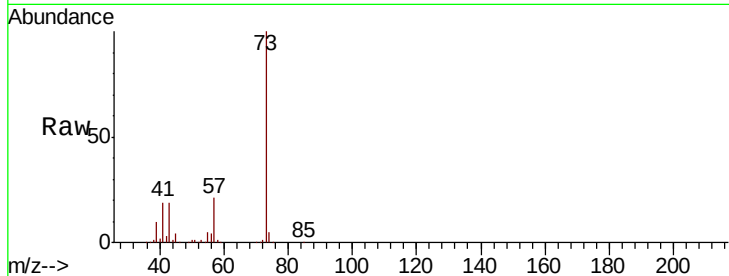
Tot Ion: 53 Resp: 28698

Ion Ratio Lower Upper

53 100

52 18.7 66.2 99.4#

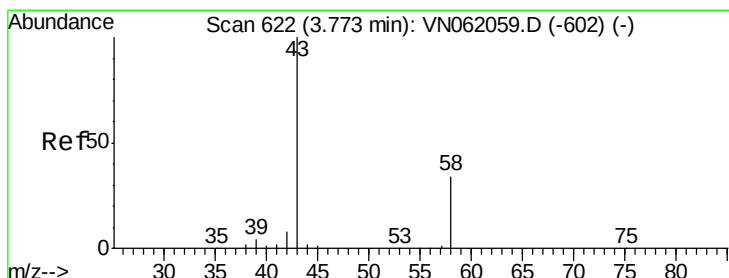
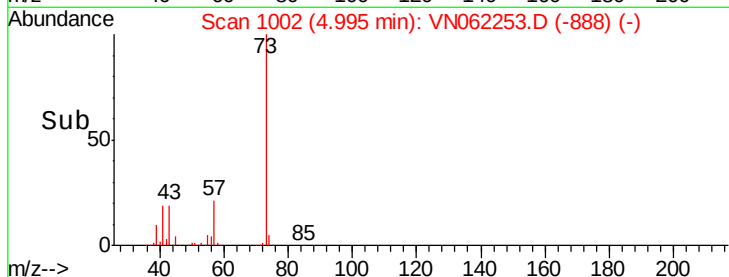
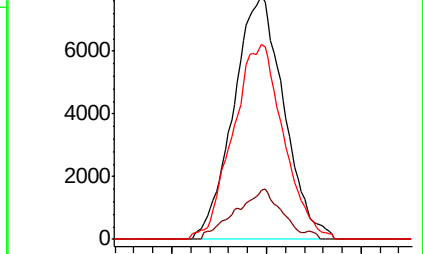
51 80.3 28.9 43.3#



Abundance Ion 53.00 (52.70 to 53.70): VN062059.D (-959) (-)

Ion 52.00 (51.70 to 52.70): VN062059.D (-959) (-)

Ion 51.00 (50.70 to 51.70): VN062059.D (-959) (-)



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062253.D

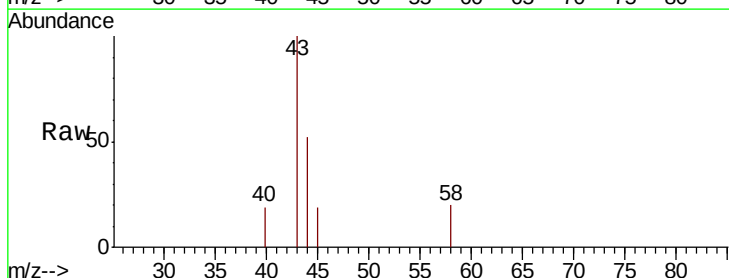
Acq: 30 Jun 2020 20:40

Tgt Ion: 43 Resp: 2418

Ion Ratio Lower Upper

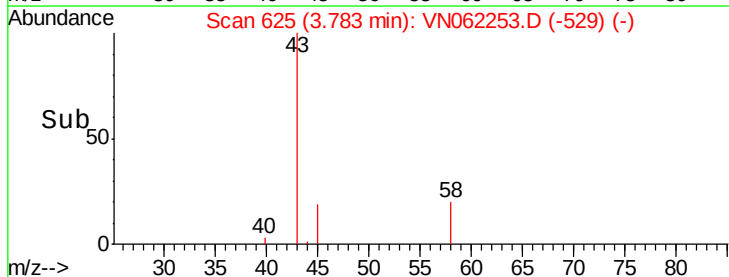
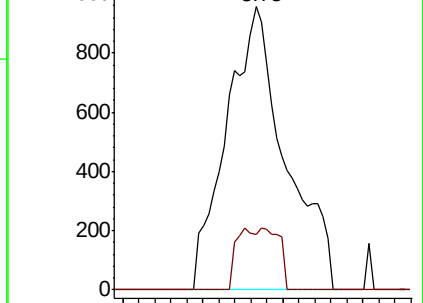
43 100

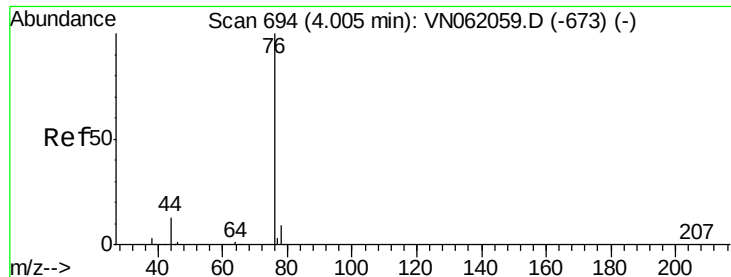
58 19.7 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-602) (-)





#17

Carbon Disulfide

Concen: 0.497 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062253.D

Acq: 30 Jun 2020 20:40

Instrument :

MSVOA_N

ClientSampled :

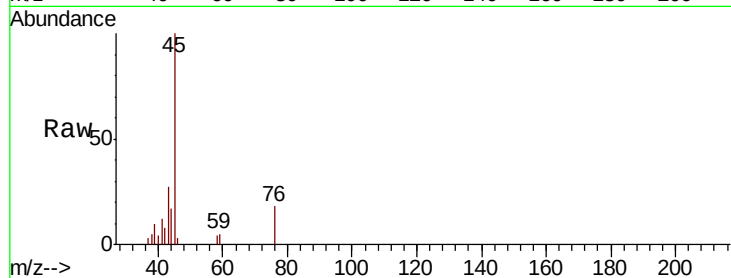
MW-7

Tot Ion: 76 Resp: 2912

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

1200

1000

800

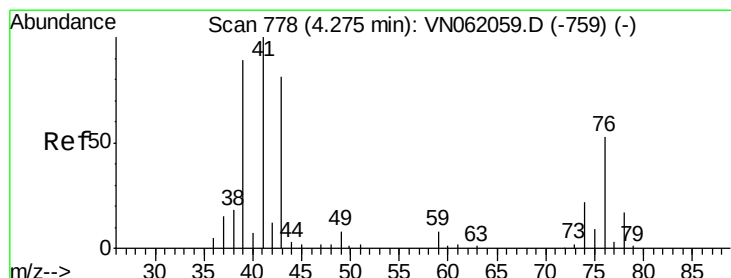
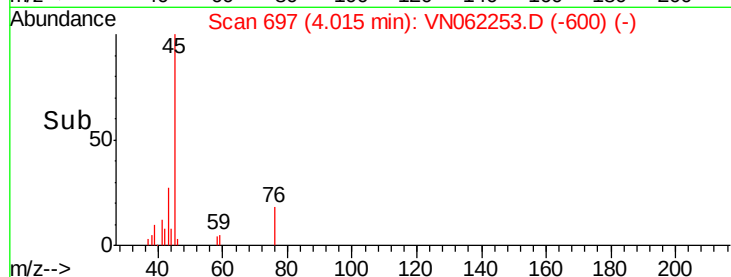
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.231 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062253.D

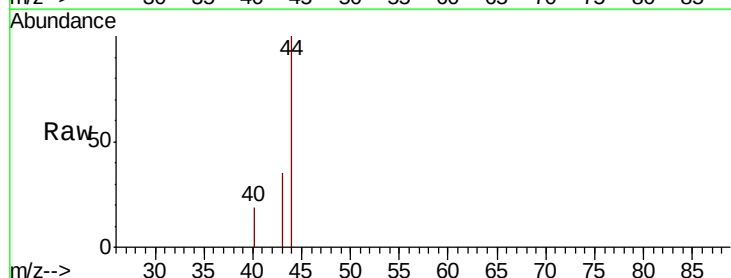
Acq: 30 Jun 2020 20:40

Tgt Ion: 43 Resp: 511

Ion Ratio Lower Upper

43 100

74 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

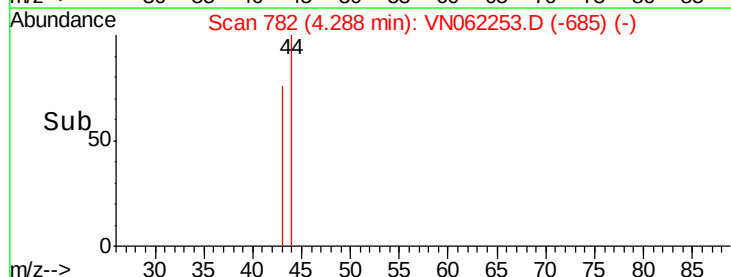
300

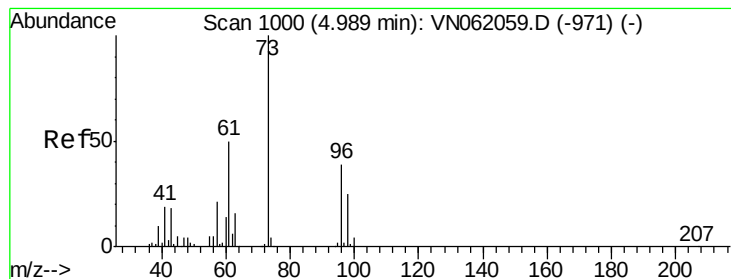
200

100

0

Time-->





#19

Methvl tert-butyl Ether
 Concen: 385.022 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN062253.D
 Acq: 30 Jun 2020 20:40

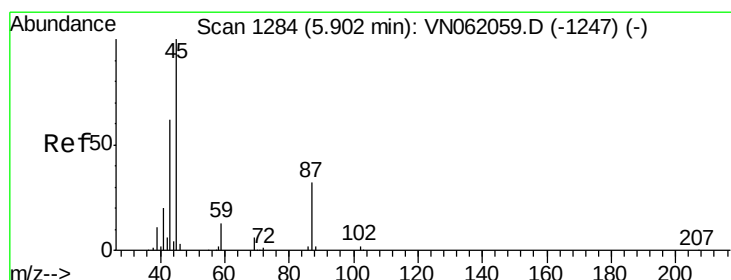
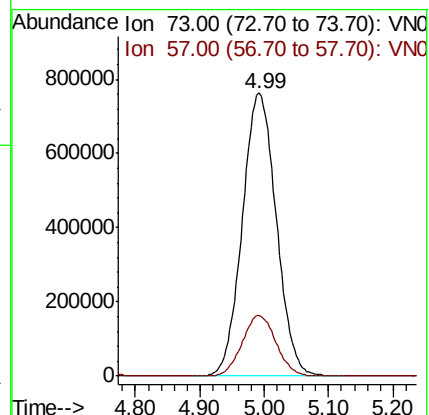
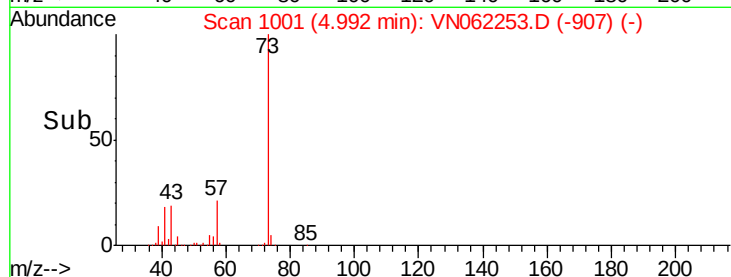
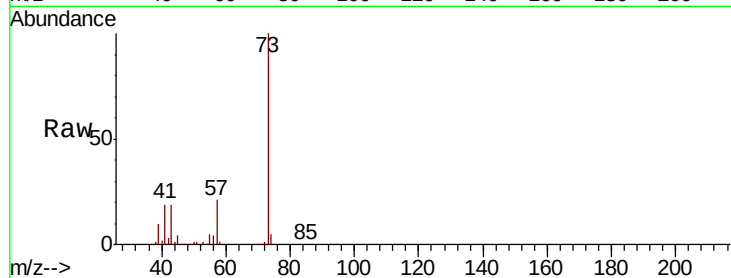
Instrument :
 MSVOA_N
 ClientSampled :
 MW-7

Tot Ion: 73 Resp: 2800913

Ion Ratio Lower Upper

73 100

57 21.5 16.6 24.8



#22

Diisopropyl ether
 Concen: 5.789 ug/l
 RT: 5.91 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VN062253.D
 Acq: 30 Jun 2020 20:40

Tgt Ion: 45 Resp: 40855

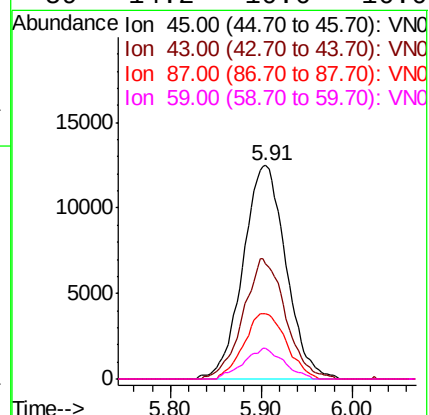
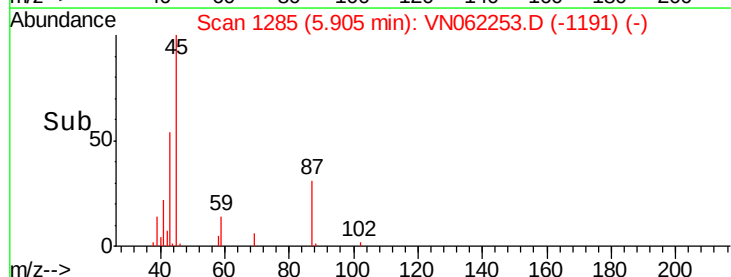
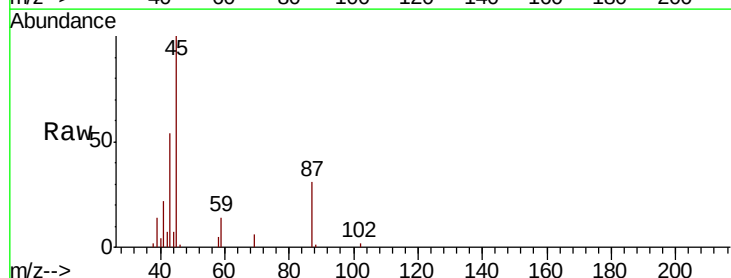
Ion Ratio Lower Upper

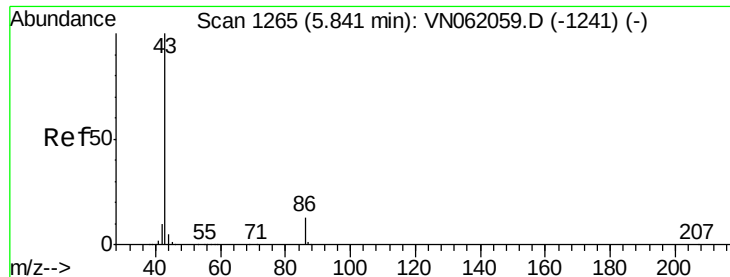
45 100

43 54.1 49.7 74.5

87 30.6 25.9 38.9

59 14.2 10.6 16.0

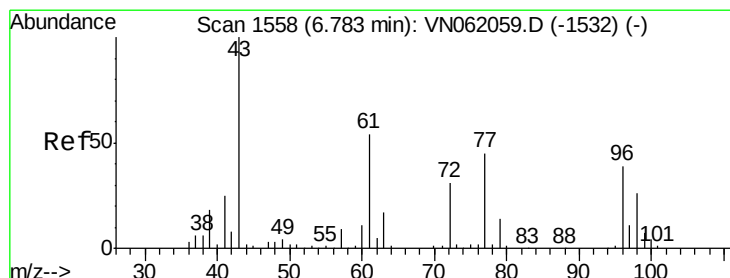
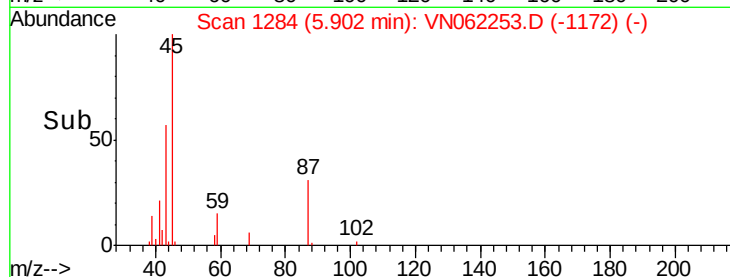
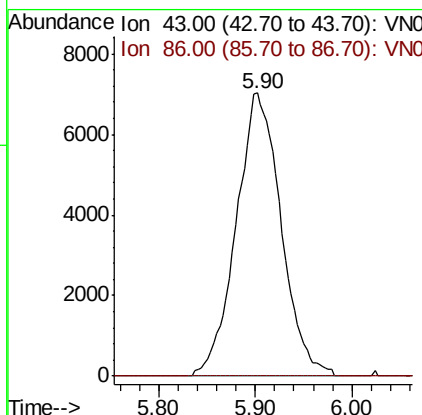
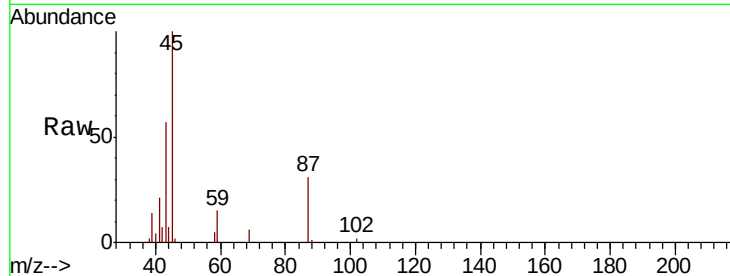




#23
 Vinyl Acetate
 Concen: 3.925 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.06 min
 Lab File: VN062253.D
 Acq: 30 Jun 2020 20:40

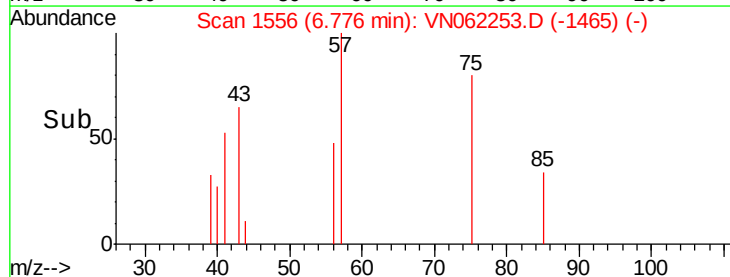
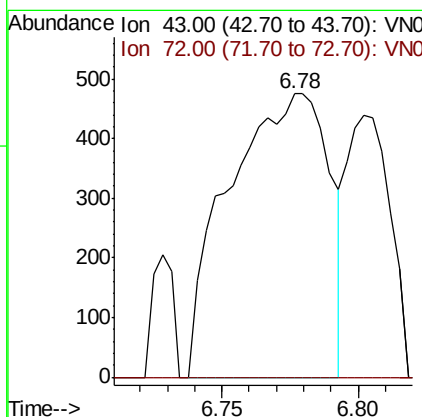
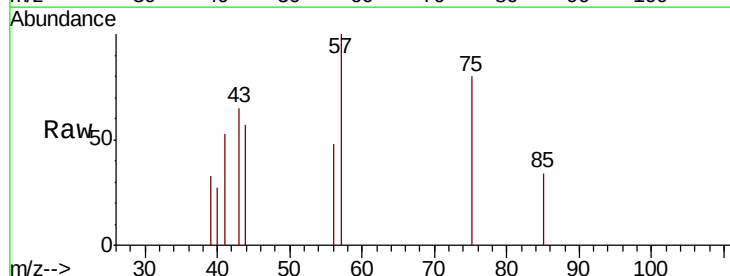
Instrument :
 MSVOA_N
 ClientSampled :
 MW-7

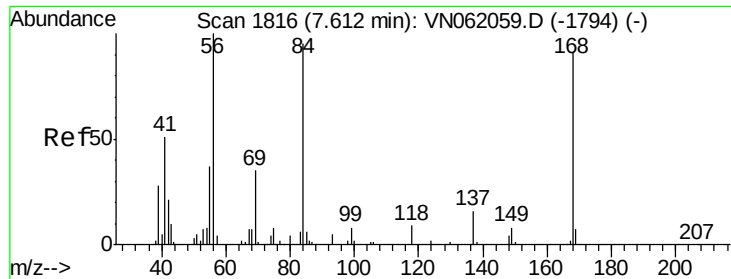
Tot Ion: 43 Resp: 22615
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.1 15.1#



#25
 2-Butanone
 Concen: 0.892 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VN062253.D
 Acq: 30 Jun 2020 20:40

Tgt Ion: 43 Resp: 1213
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.8 37.2#

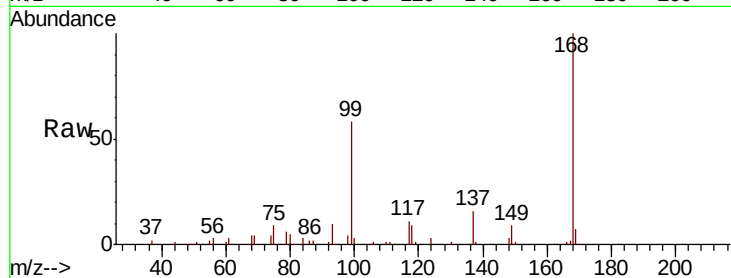




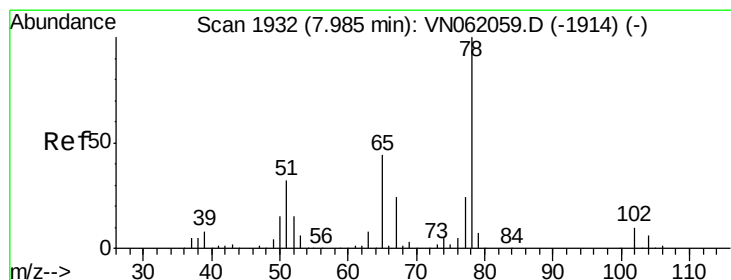
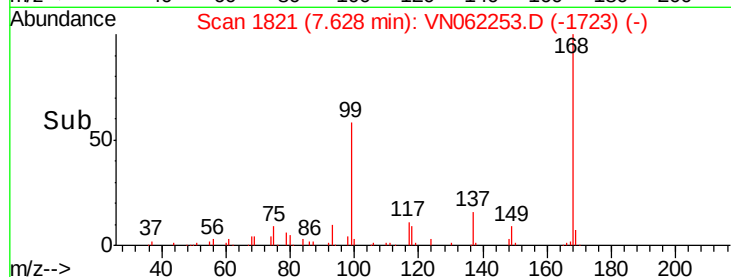
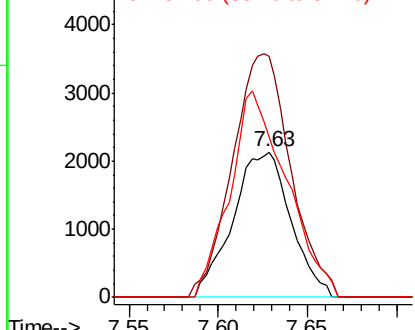
#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062253.D
Acq: 30 Jun 2020 20:40

Instrument :
MSVOA_N
ClientSampled :
MW-7

Tot Ion: 56 Resp: 4831
Ion Ratio Lower Upper
56 100
69 165.7 28.0 42.0#
84 110.0 76.1 114.1

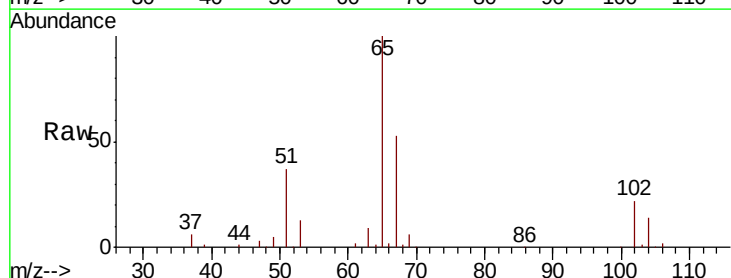


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

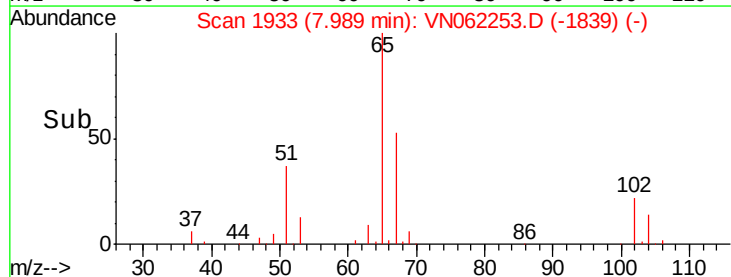
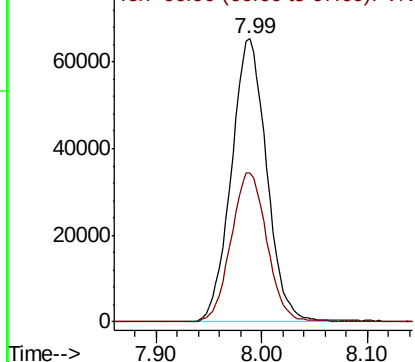


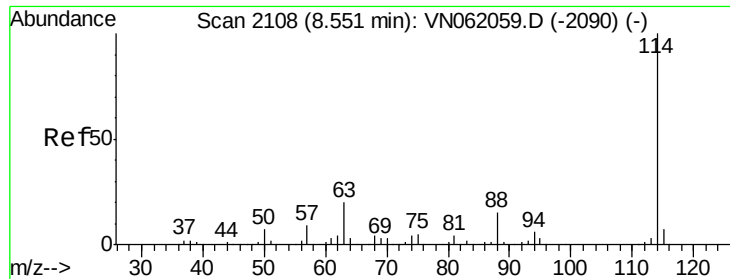
#33
1,2-Dichloroethane-d4
Concen: 54.591 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062253.D
Acq: 30 Jun 2020 20:40

Tgt Ion: 65 Resp: 151891
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

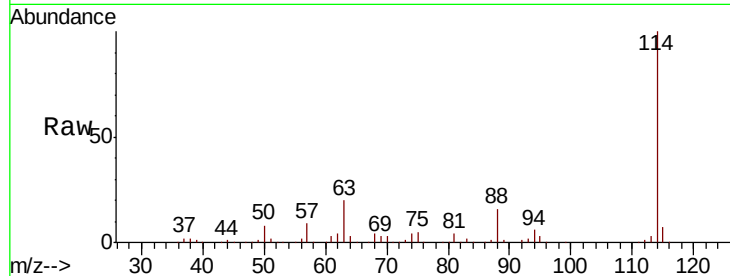




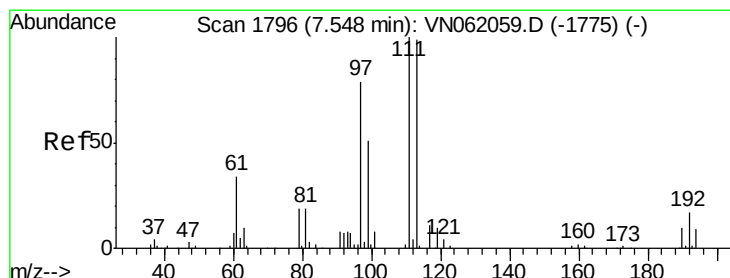
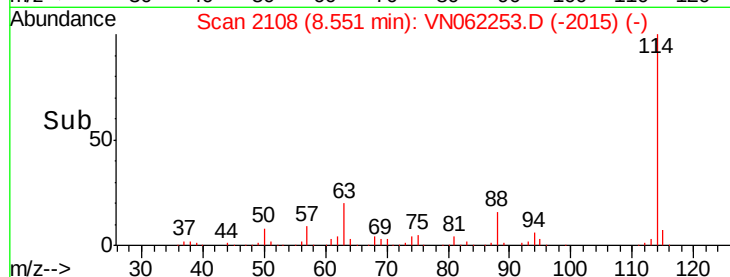
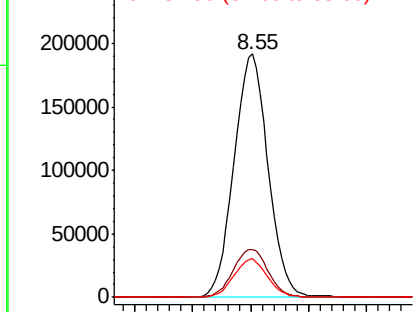
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062253.D
Acq: 30 Jun 2020 20:40

Instrument :
MSVOA_N
ClientSampleId :
MW-7

Tot Ion:114 Resp: 391396
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.2
88 15.7 0.0 30.8

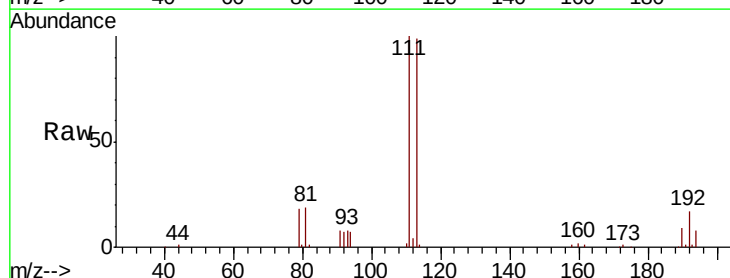


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

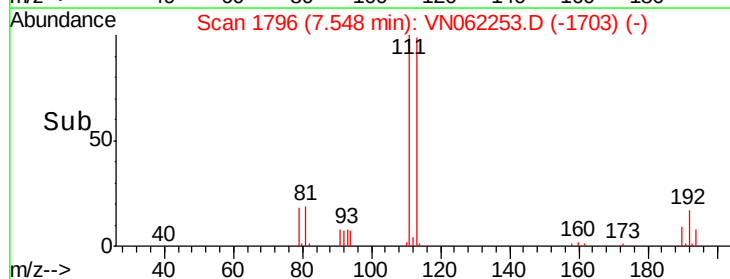
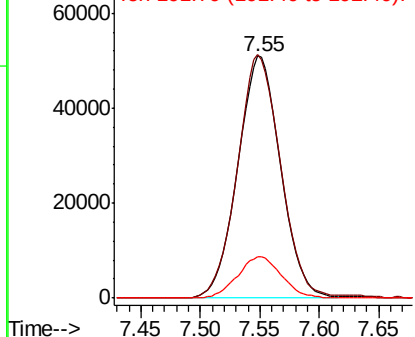


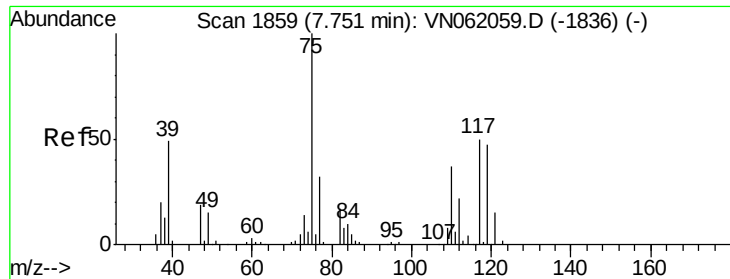
#35
Dibromofluoromethane
Concen: 50.441 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062253.D
Acq: 30 Jun 2020 20:40

Tgt Ion:113 Resp: 126656
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 17.5 14.0 21.0



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

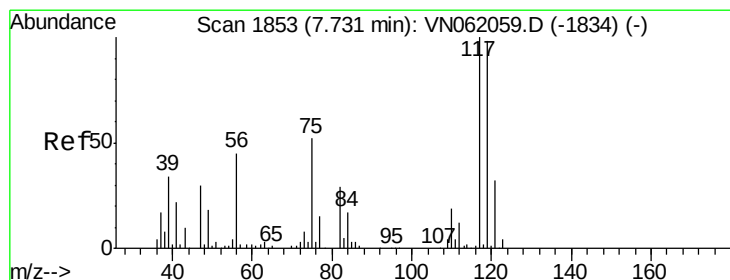
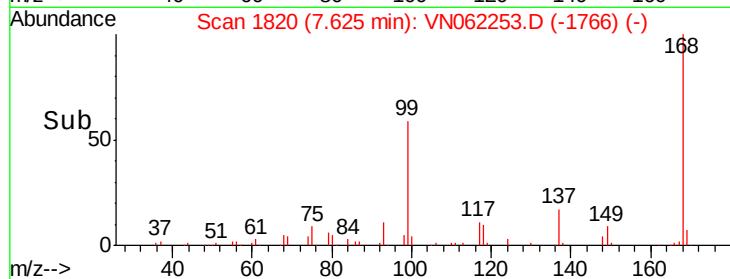
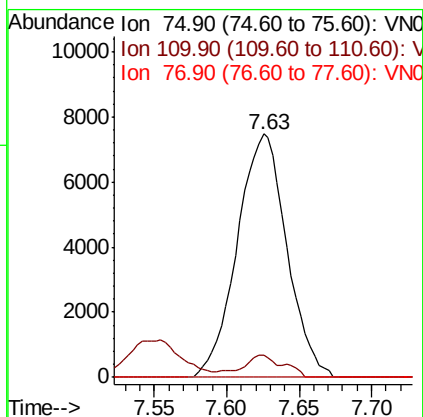
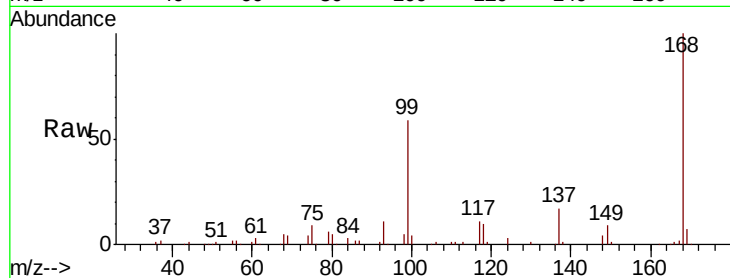




#36
 1,1-Dichloropropene
 Concen: 4.506 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062253.D
 Acq: 30 Jun 2020 20:40

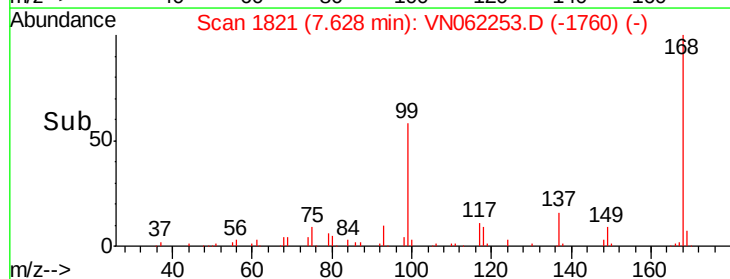
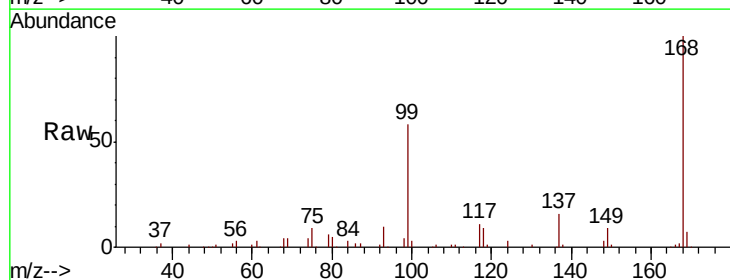
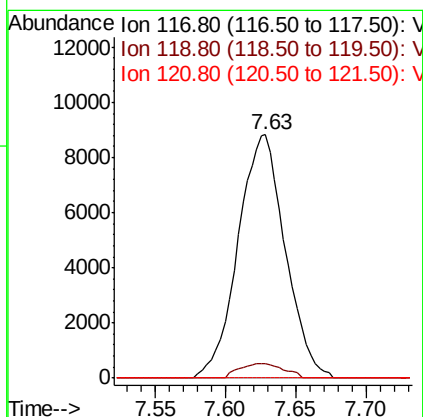
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

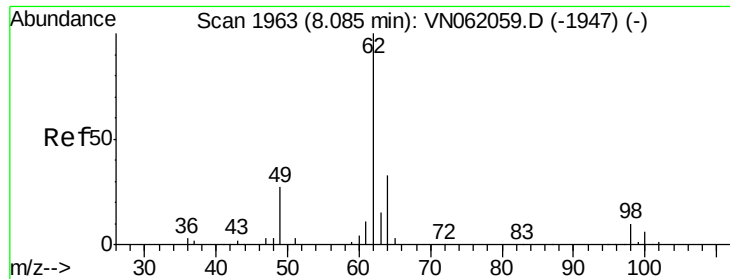
Tot Ion: 75 Resp: 17727
 Ion Ratio Lower Upper
 75 100
 110 6.6 17.9 53.8#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.559 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.10 min
 Lab File: VN062253.D
 Acq: 30 Jun 2020 20:40

Tgt Ion: 117 Resp: 20619
 Ion Ratio Lower Upper
 117 100
 119 5.7 78.2 117.2#
 121 0.0 25.8 38.6#

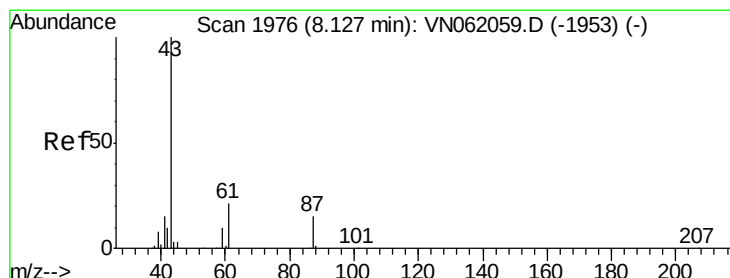
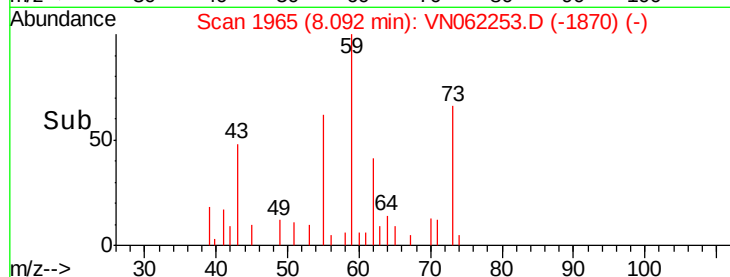
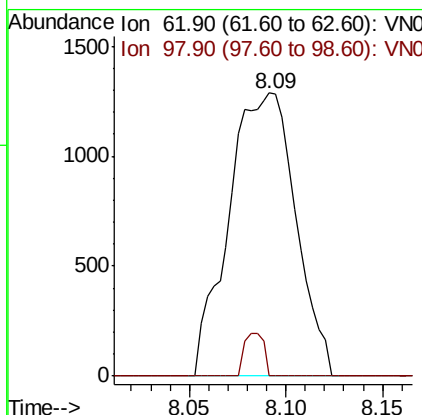
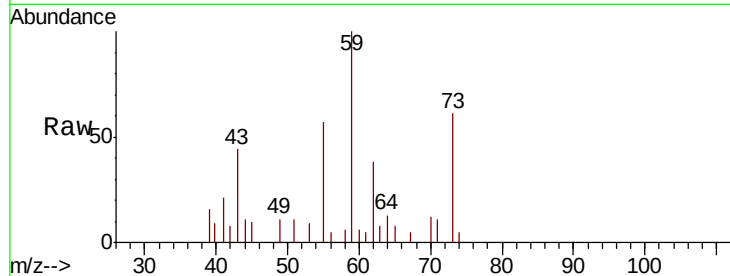




#42
 1,2-Dichloroethane
 Concen: 0.762 ug/l
 RT: 8.09 min Scan# 1965
 Delta R.T. 0.01 min
 Lab File: VN062253.D
 Acq: 30 Jun 2020 20:40

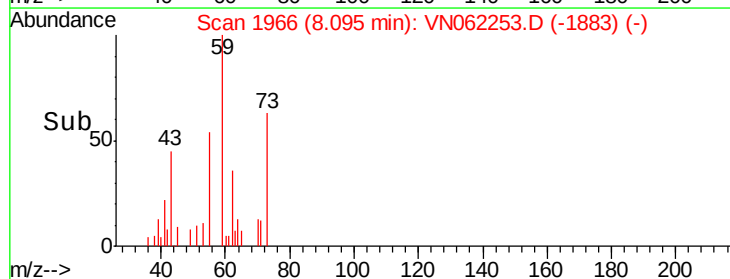
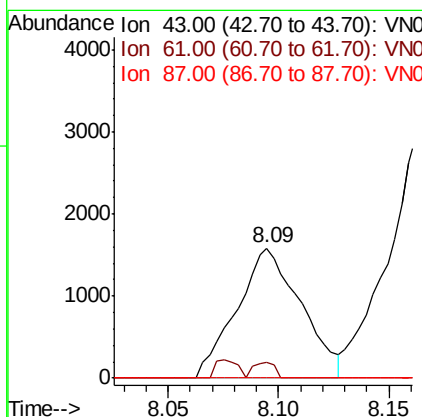
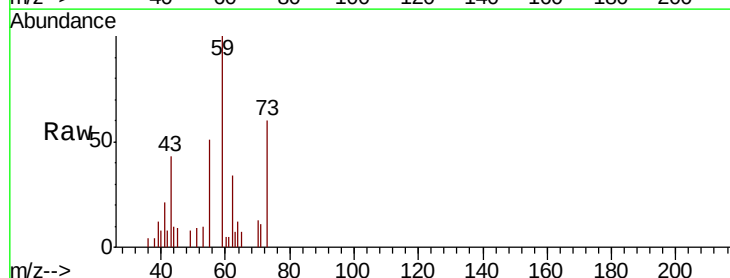
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

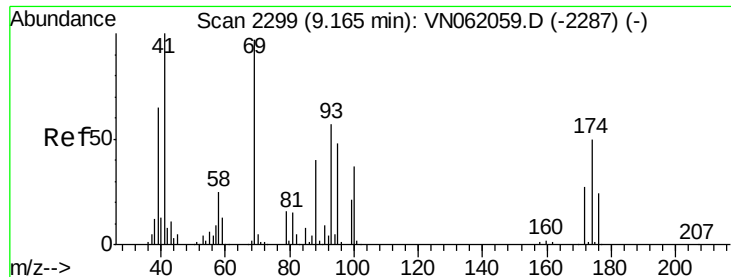
Tot Ion: 62 Resp: 3089
 Ion Ratio Lower Upper
 62 100
 98 4.4 0.0 19.8



#43
 Isopropyl Acetate
 Concen: 0.601 ug/l
 RT: 8.09 min Scan# 1966
 Delta R.T. -0.03 min
 Lab File: VN062253.D
 Acq: 30 Jun 2020 20:40

Tgt Ion: 43 Resp: 3192
 Ion Ratio Lower Upper
 43 100
 61 4.1 17.2 25.8#
 87 0.0 12.1 18.1#

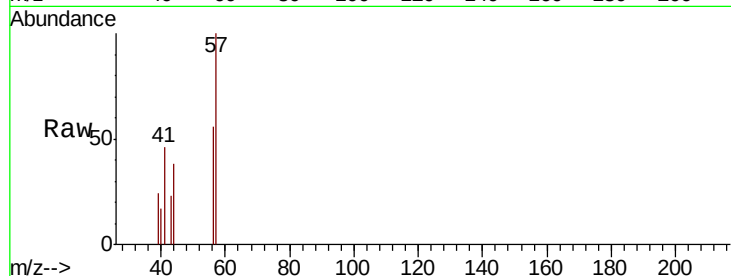




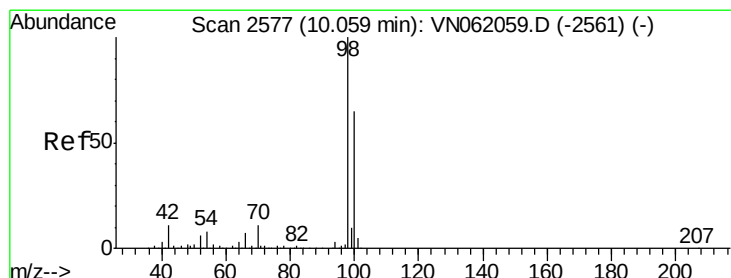
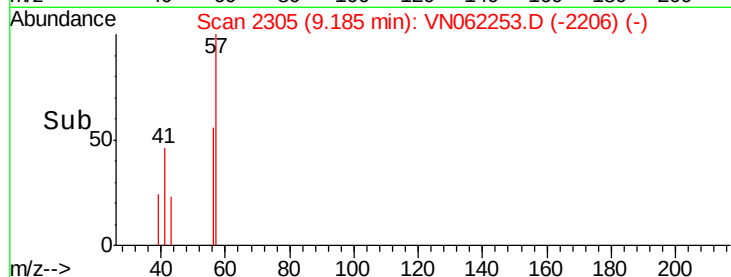
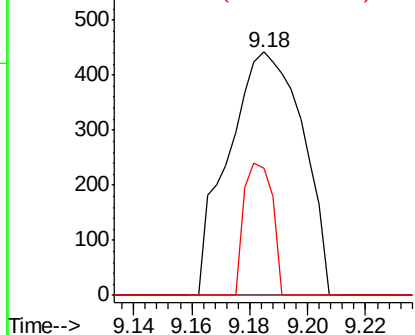
#48
Methvl methacrylate
Concen: 0.331 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.02 min
Lab File: VN062253.D
Acq: 30 Jun 2020 20:40

Instrument :
MSVOA_N
ClientSampleId :
MW-7

Tot Ion: 41 Resp: 787
Ion Ratio Lower Upper
41 100
69 0.0 80.7 121.1#
39 20.8 54.5 81.7#

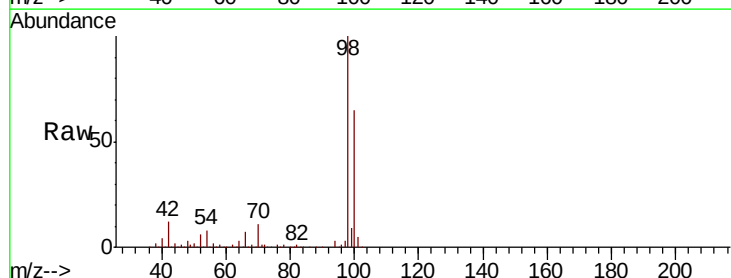


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

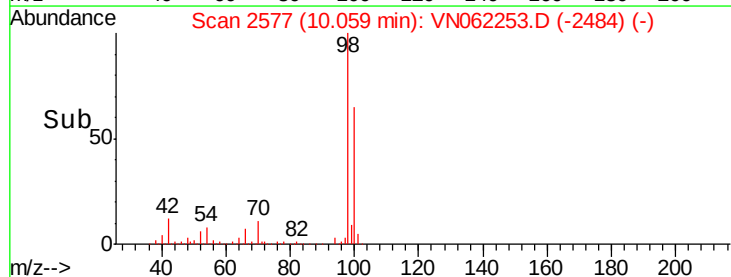
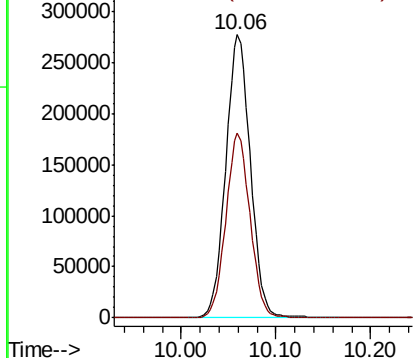


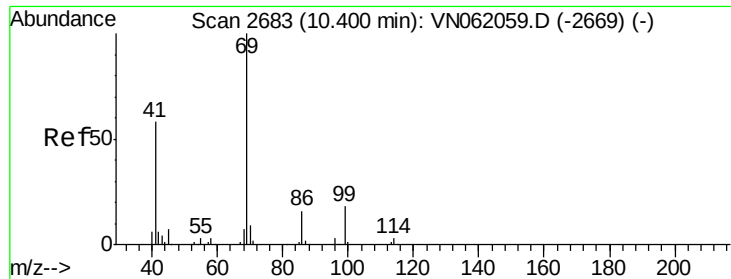
#50
Toluene-d8
Concen: 49.926 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062253.D
Acq: 30 Jun 2020 20:40

Tgt Ion: 98 Resp: 501120
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#56

Ethyl methacrylate

Concen: 0.205 ug/l

RT: 10.18 min Scan# 2616

Delta R.T. -0.22 min

Lab File: VN062253.D

Acq: 30 Jun 2020 20:40

Instrument :

MSVOA_N

ClientSampled :

MW-7

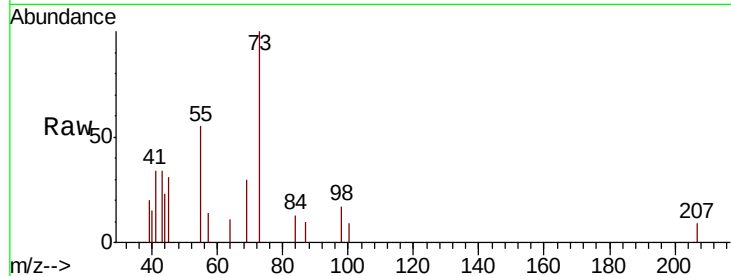
Tot Ion: 69 Resp: 787

Ion Ratio Lower Upper

69 100

41 121.0 46.6 70.0#

39 58.2 31.0 46.4#



Abundance Ion 69.00 (68.70 to 69.70): VN062253.D (-2669) (-)

Ion 41.00 (40.70 to 41.70): VN062253.D (-2669) (-)

Ion 39.00 (38.70 to 39.70): VN062253.D (-2669) (-)

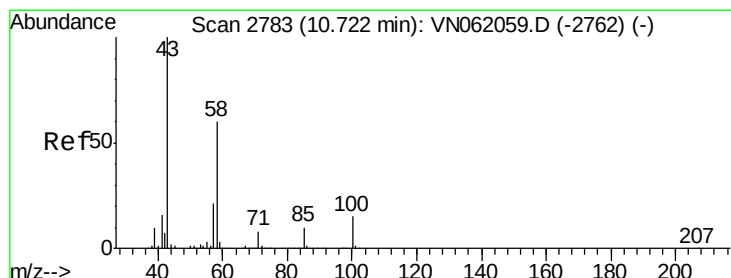
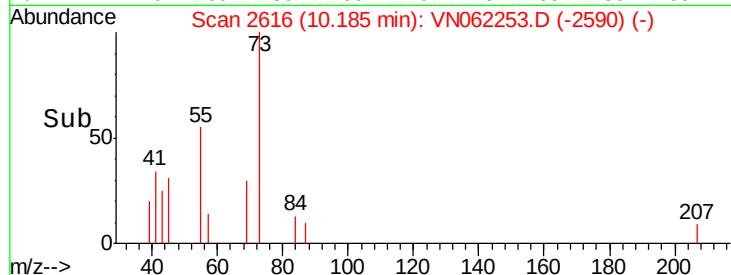
10.18

400

200

0

Time-->



#59

2-Hexanone

Concen: 0.204 ug/l

RT: 10.73 min Scan# 2785

Delta R.T. 0.01 min

Lab File: VN062253.D

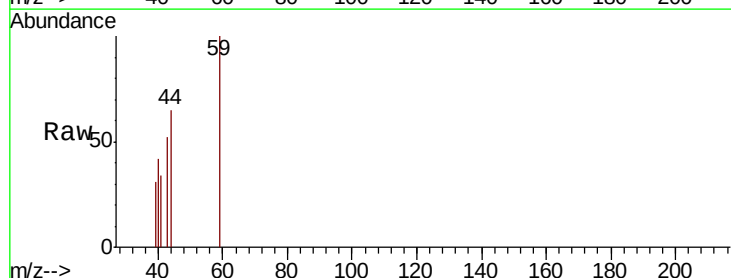
Acq: 30 Jun 2020 20:40

Tgt Ion: 43 Resp: 458

Ion Ratio Lower Upper

43 100

58 0.0 29.5 88.5#



Abundance Ion 43.00 (42.70 to 43.70): VN062253.D (-2690) (-)

Ion 58.00 (57.70 to 58.70): VN062253.D (-2690) (-)

10.73

300

250

200

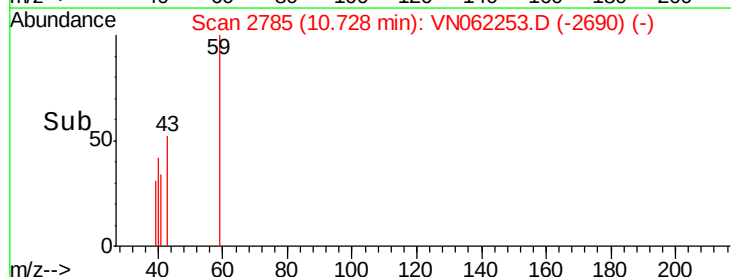
150

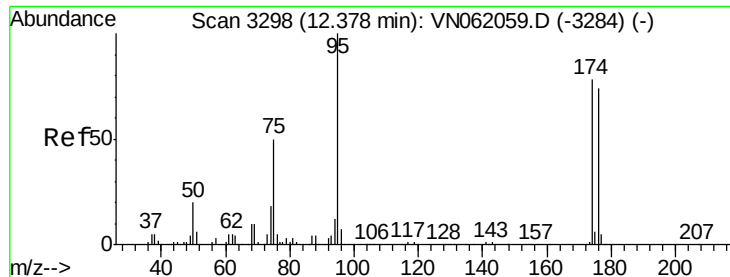
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.086 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062253.D

Acq: 30 Jun 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

MW-7

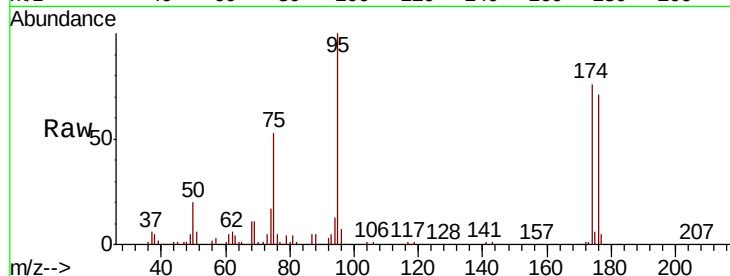
Tot Ion: 95 Resp: 159676

Ion Ratio Lower Upper

95 100

174 74.4 0.0 154.8

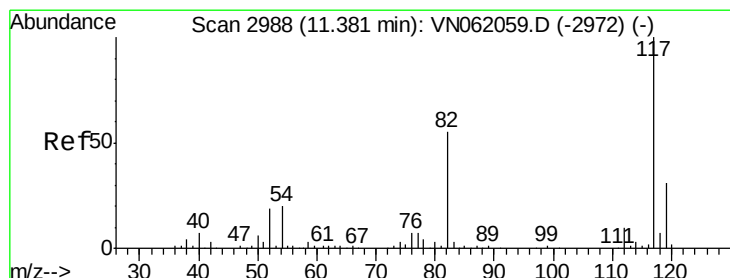
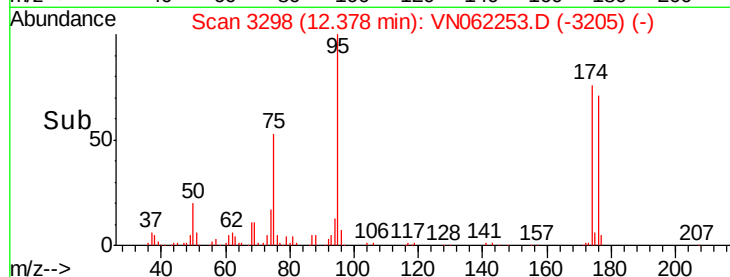
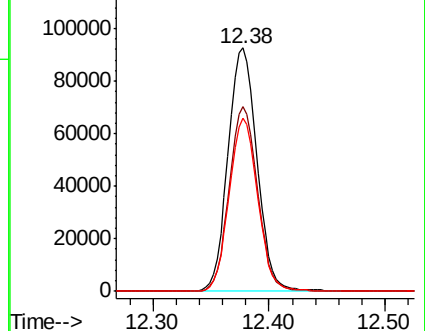
176 70.2 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062059.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062059.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062059.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062253.D

Acq: 30 Jun 2020 20:40

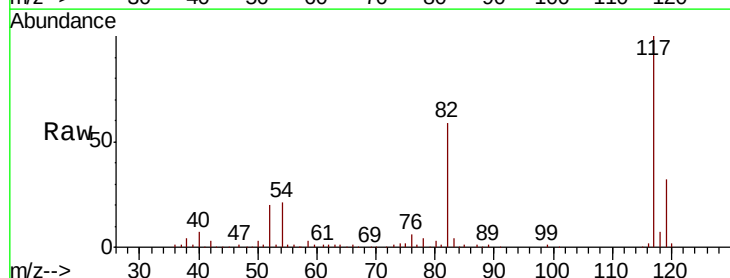
Tgt Ion: 117 Resp: 377837

Ion Ratio Lower Upper

117 100

82 59.1 43.8 65.8

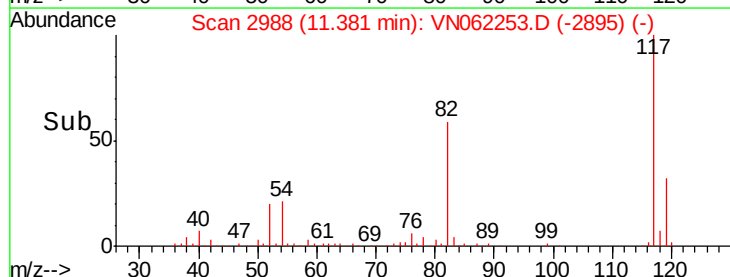
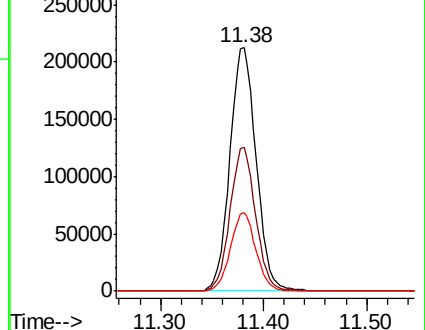
119 32.5 25.2 37.8

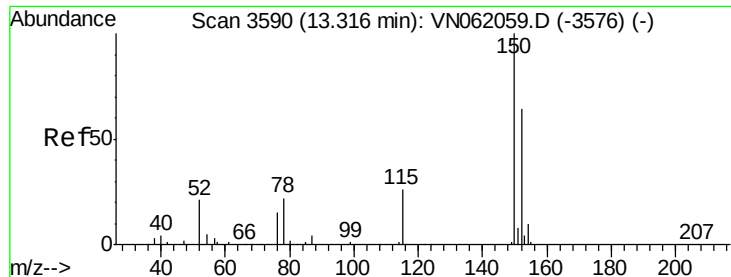


Abundance Ion 116.90 (116.60 to 117.60): VN062059.D (-2972) (-)

Ion 82.00 (81.70 to 82.70): VN062059.D (-2972) (-)

Ion 118.90 (118.60 to 119.60): VN062059.D (-2972) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062253.D

Acq: 30 Jun 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

MW-7

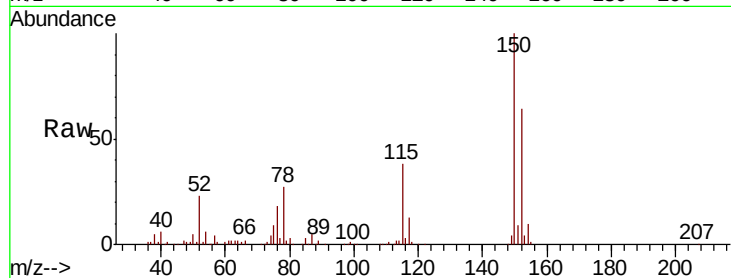
Tot Ion:152 Resp: 133870

Ion Ratio Lower Upper

152 100

115 60.4 29.5 88.5

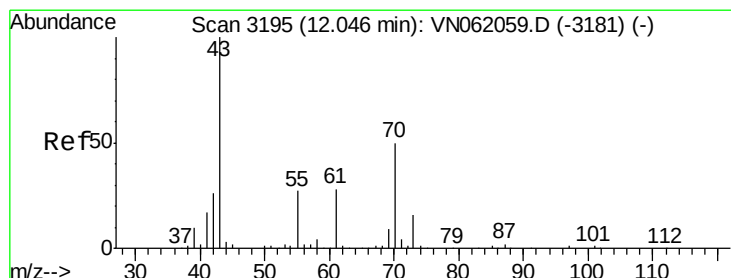
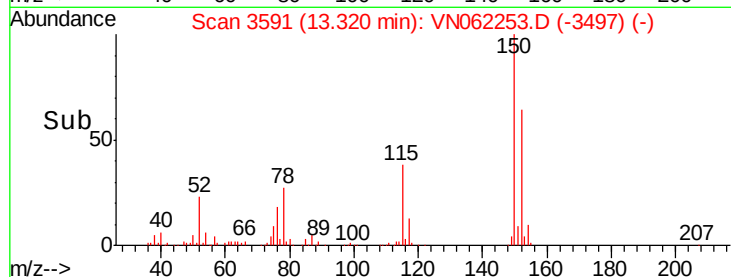
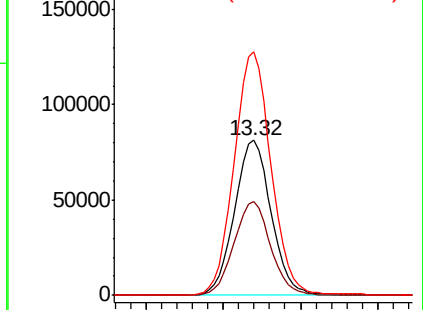
150 158.1 0.0 351.4



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: 3.369 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062253.D

Acq: 30 Jun 2020 20:40

Tgt Ion: 43 Resp: 104

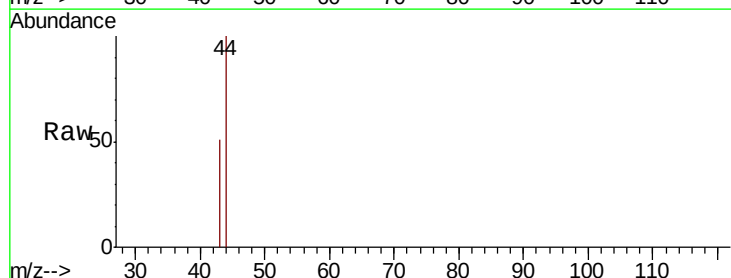
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

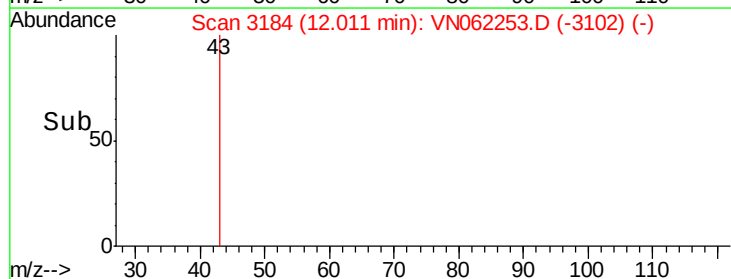
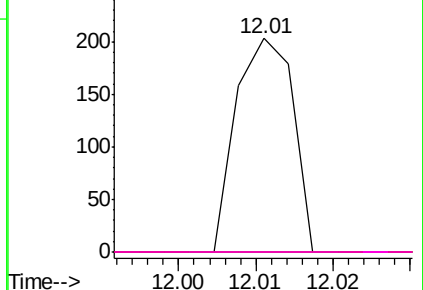


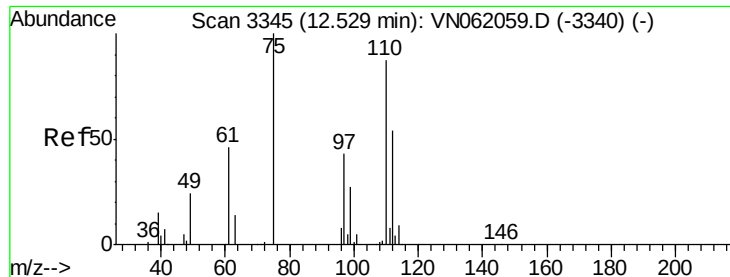
Abundance Ion 43.00 (42.70 to 43.70): V

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: 26.702 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062253.D

Acq: 30 Jun 2020 20:40

Instrument :

MSVOA_N

ClientSampled :

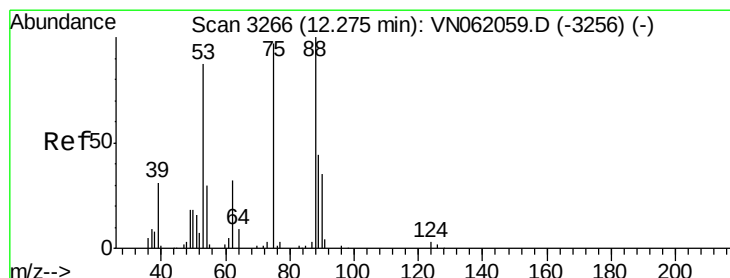
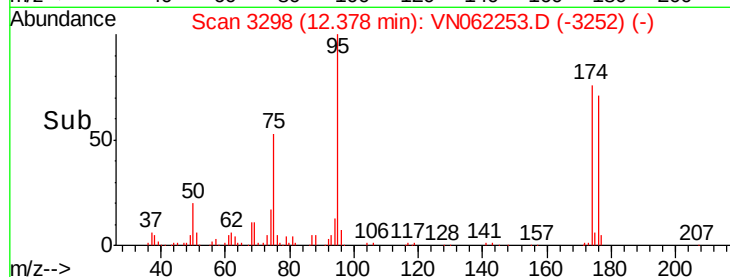
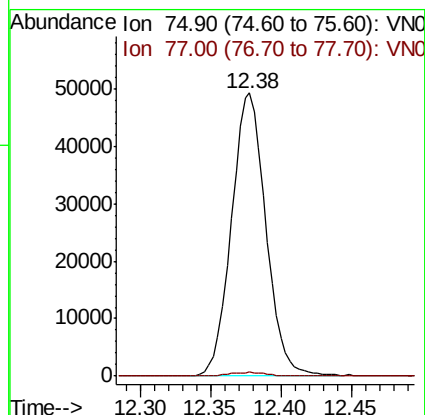
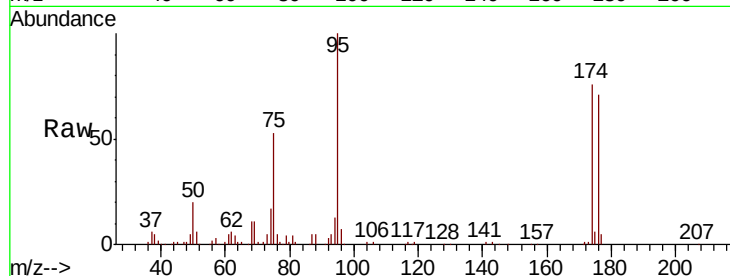
MW-7

Tot Ion: 75 Resp: 84150

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.981 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062253.D

Acq: 30 Jun 2020 20:40

Tgt Ion: 75 Resp: 84150

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#

