

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062248.D
 Acq On : 30 Jun 2020 18:39
 Operator : JC/MD
 Sample : L3170-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

Quant Time: Jul 01 03:37:47 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	197812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	378315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	362811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126394	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	150744	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
35) Dibromofluoromethane	7.55	113	122359	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	10.06	98	490150	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.38	95	154180	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	

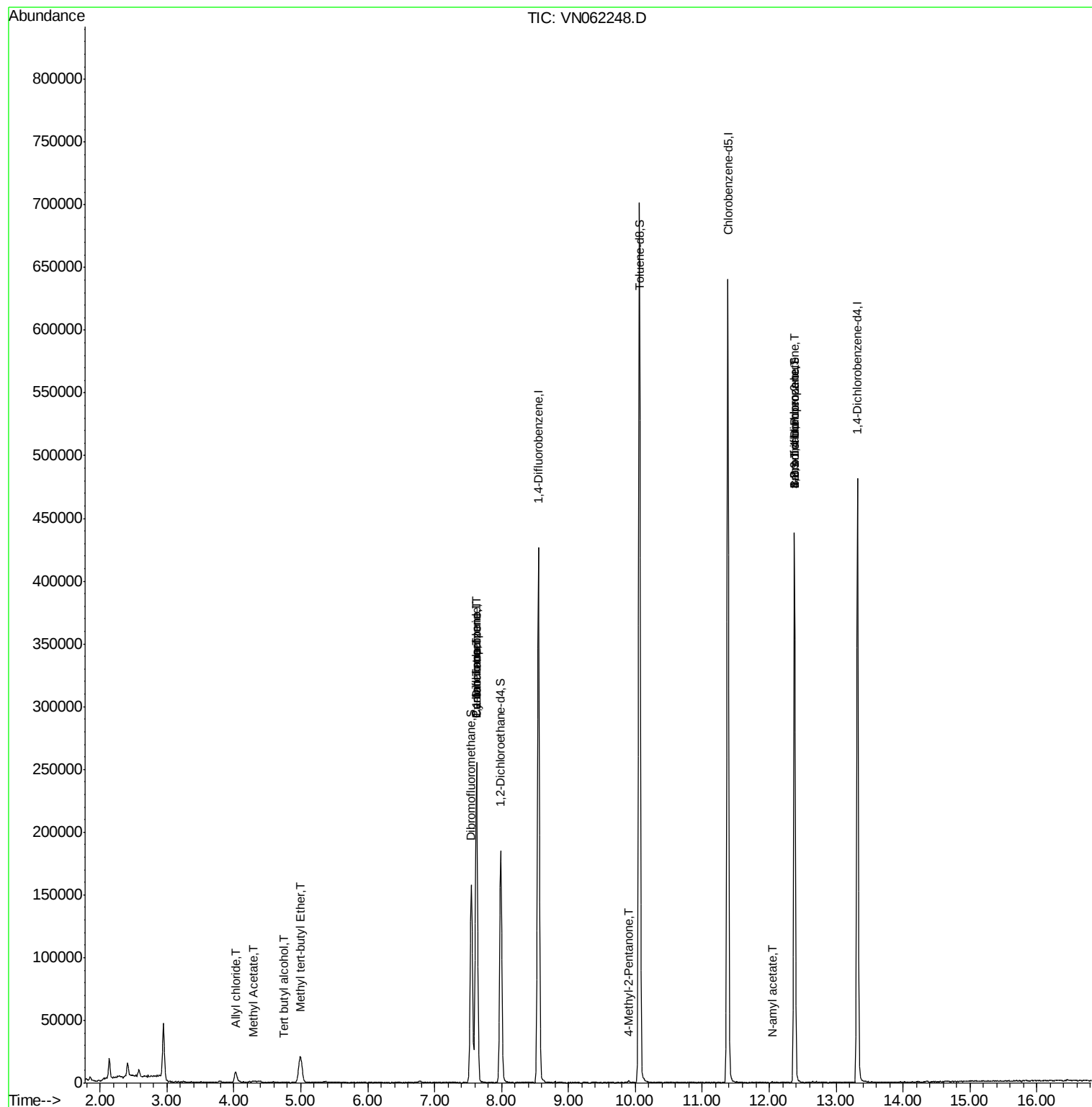
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	471	Below Cal		92
11) Tert butyl alcohol	4.73	59	153	0.384	ug/l #	72
14) Allyl chloride	4.03	41	968	0.313	ug/l #	48
16) Acetone	3.77	43	381	Below Cal	#	40
18) Methyl Acetate	4.28	43	538	0.244	ug/l #	46
19) Methyl tert-butyl Ether	5.00	73	36147	4.980	ug/l	98
20) Methylene Chloride	4.50	84	29	Below Cal	#	61
31) Cyclohexane	7.63	56	4891	1.275	ug/l #	14
36) 1,1-Dichloropropene	7.62	75	17827	4.688	ug/l #	48
38) Carbon Tetrachloride	7.62	117	21127	5.893	ug/l #	15
51) 4-Methyl-2-Pentanone	9.90	43	1004	0.335	ug/l #	33
71) Bromoform	12.38	173	1355	0.692	ug/l #	1
74) N-amyl acetate	12.04	43	60	3.359	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	81019	27.229	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	81019	79.520	ug/l #	13

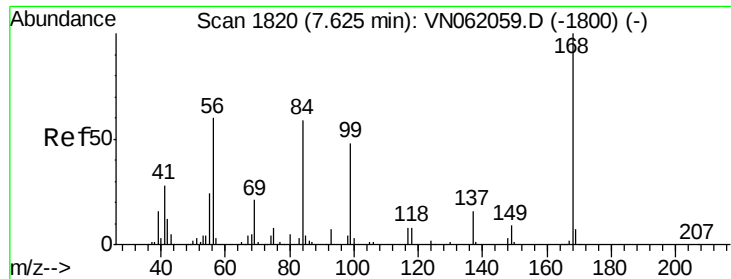
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN063020\
Data File : VN062248.D
Acq On : 30 Jun 2020 18:39
Operator : JC/MD
Sample : L3170-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1R

Quant Time: Jul 01 03:37:47 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: VN062248.D

Acq: 30 Jun 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

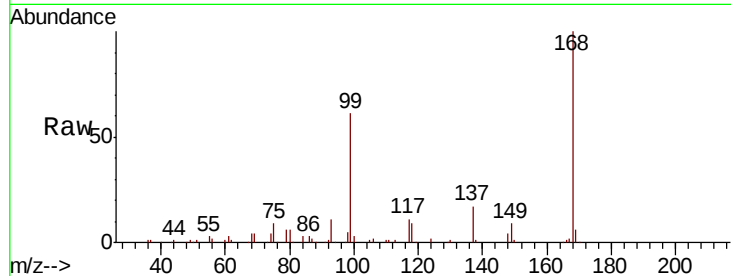
MW-1R

Tot Ion:168 Resp: 197812

Ion Ratio Lower Upper

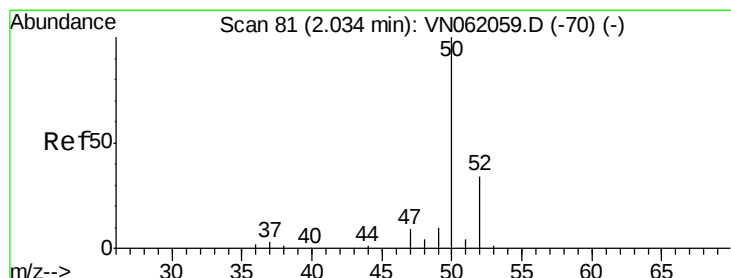
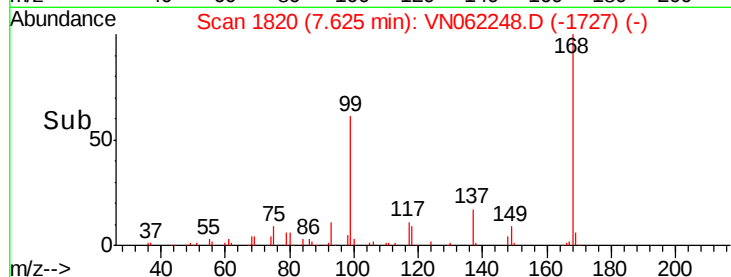
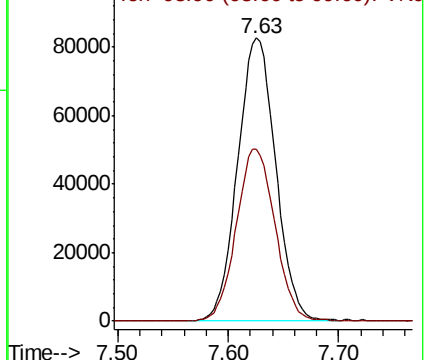
168 100

99 60.8 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: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062248.D

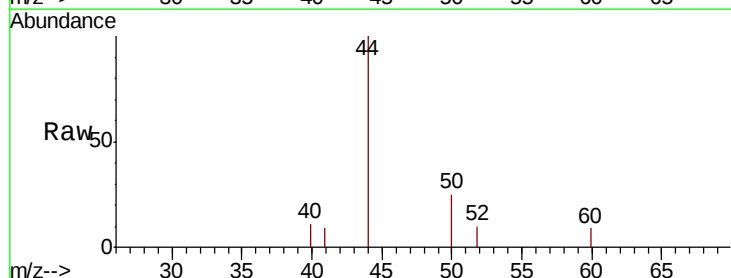
Acq: 30 Jun 2020 18:39

Tgt Ion: 50 Resp: 471

Ion Ratio Lower Upper

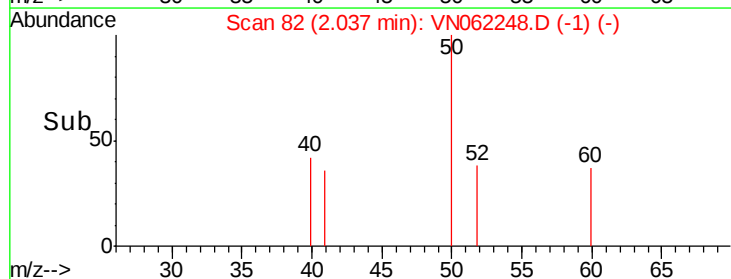
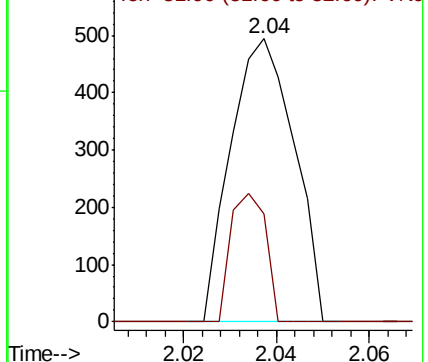
50 100

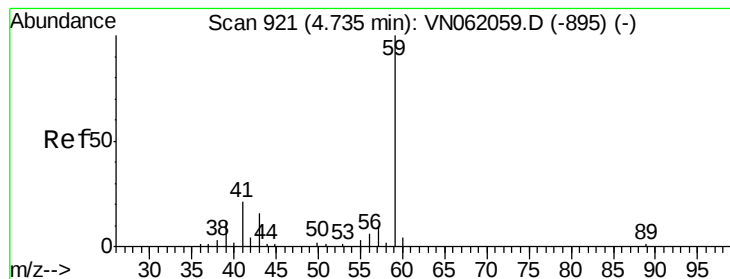
52 38.3 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN



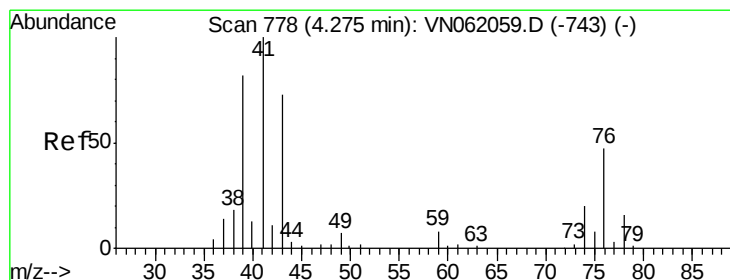
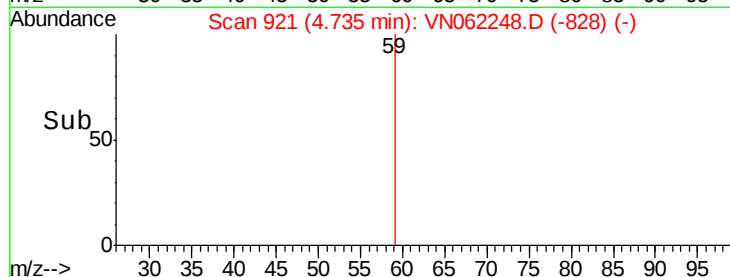
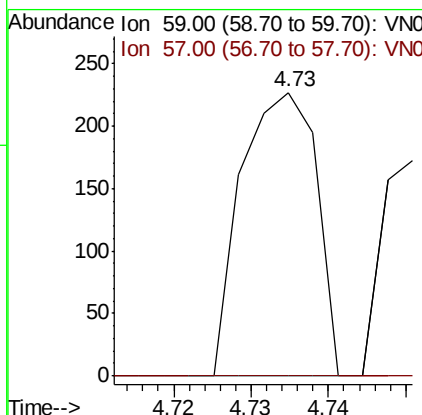
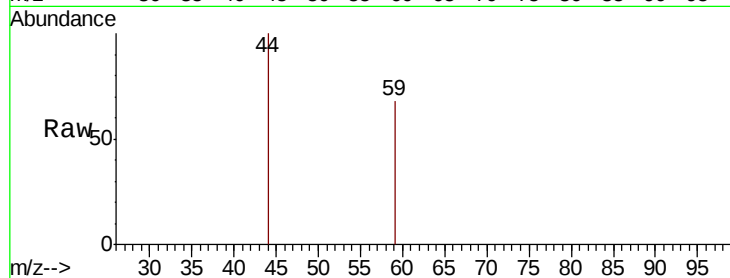


#11

Tert butyl alcohol
 Concen: 0.384 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN062248.D
 Acq: 30 Jun 2020 18:39

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1R

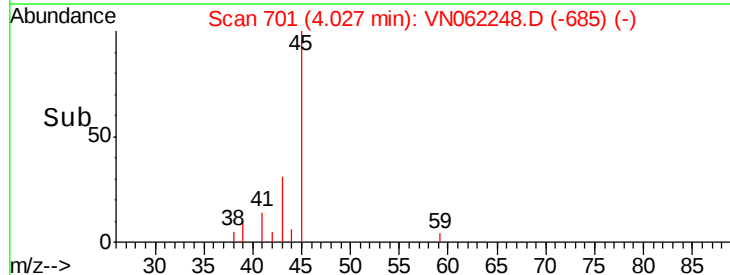
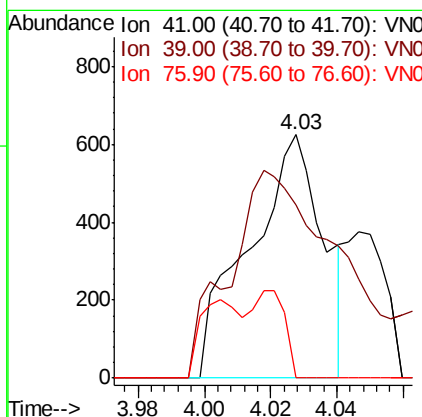
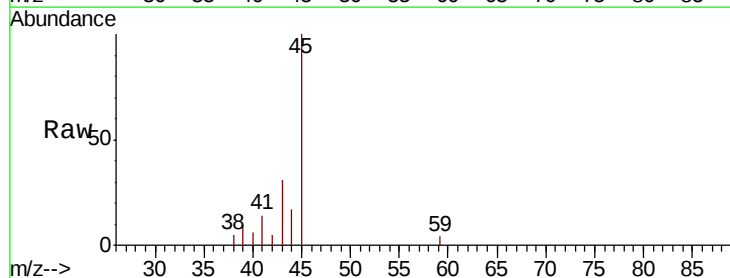
Tot Ion: 59 Resp: 153
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

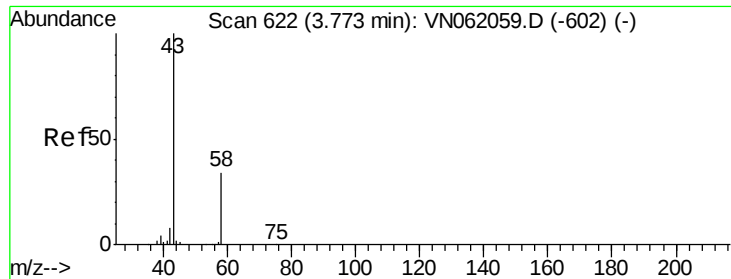


#14

Allyl chloride
 Concen: 0.313 ug/l
 RT: 4.03 min Scan# 701
 Delta R.T. -0.25 min
 Lab File: VN062248.D
 Acq: 30 Jun 2020 18:39

Tgt Ion: 41 Resp: 968
 Ion Ratio Lower Upper
 41 100
 39 124.4 60.0 90.0#
 76 15.8 34.1 51.1#

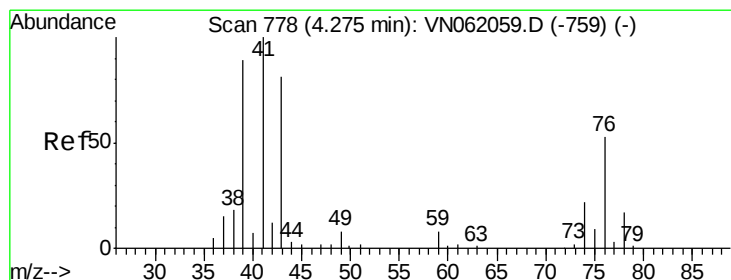
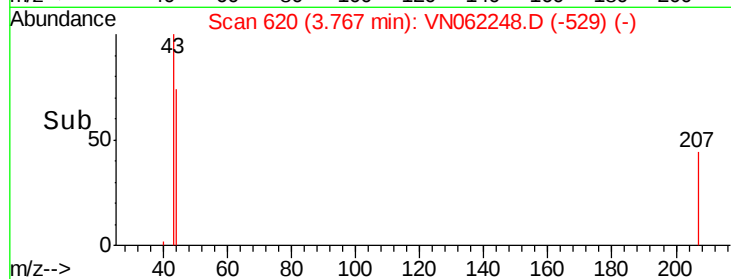
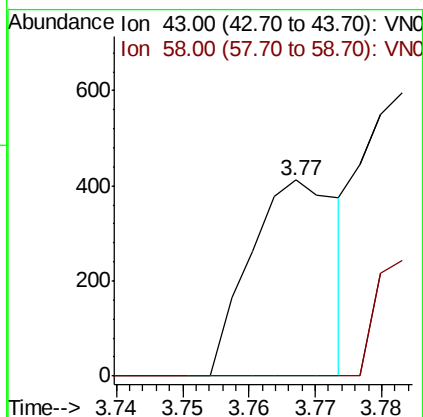
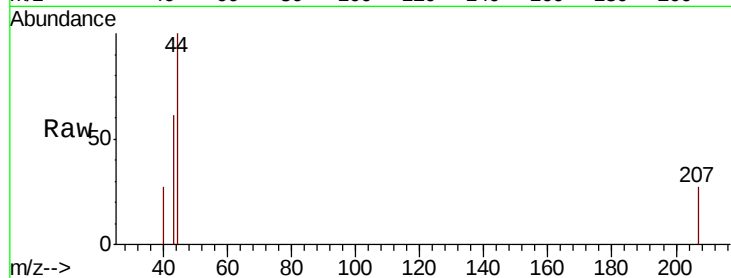




#16
Acetone
Concen: Below Cal
RT: 3.77 min Scan# 620
Delta R.T. -0.01 min
Lab File: VN062248.D
Acq: 30 Jun 2020 18:39

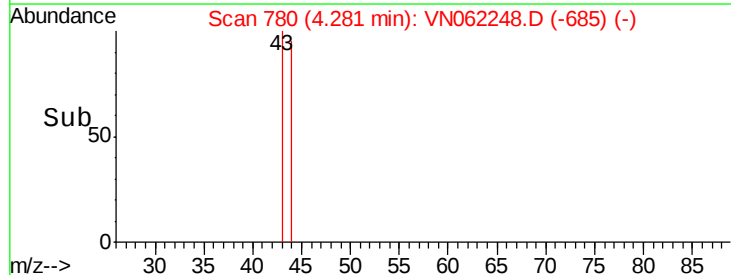
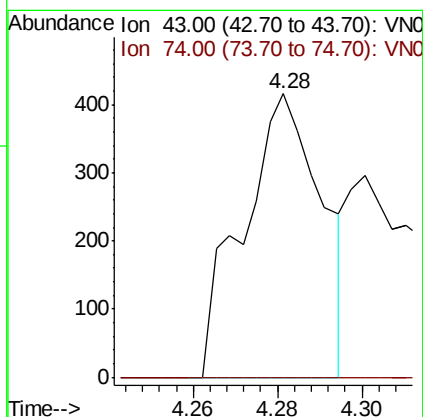
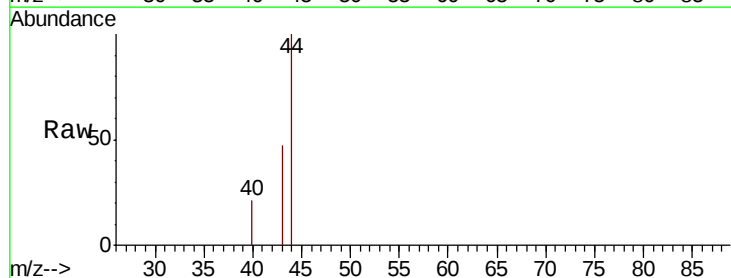
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

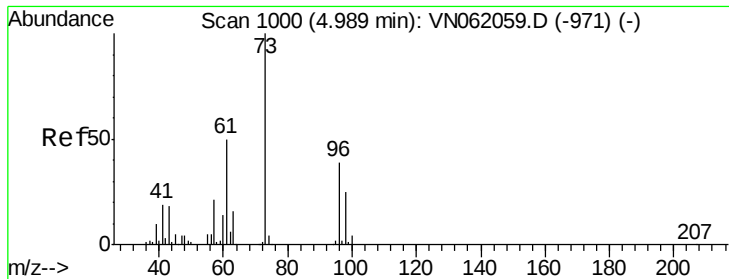
Tot Ion: 43 Resp: 381
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#18
Methyl Acetate
Concen: 0.244 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062248.D
Acq: 30 Jun 2020 18:39

Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#

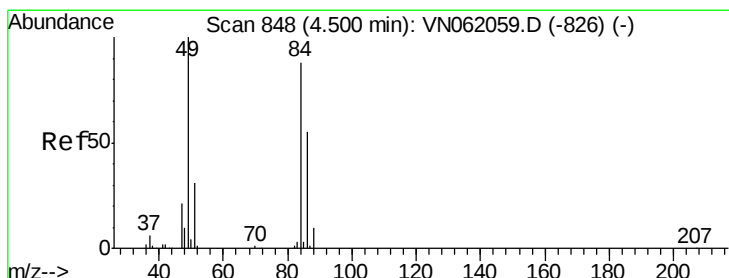
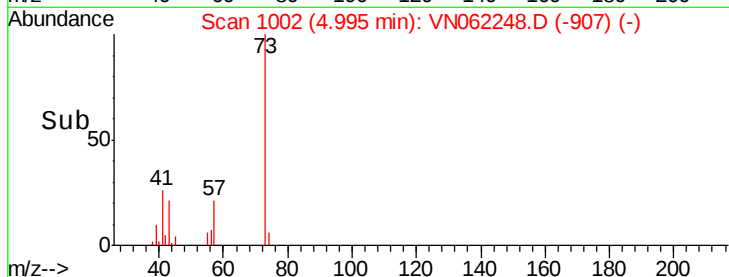
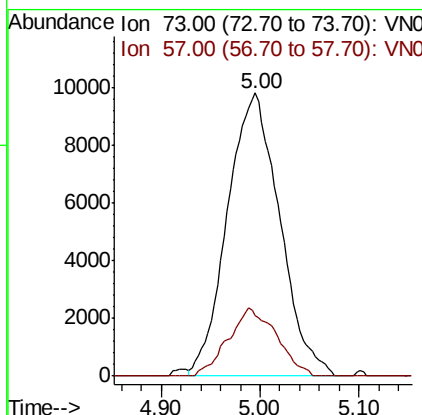
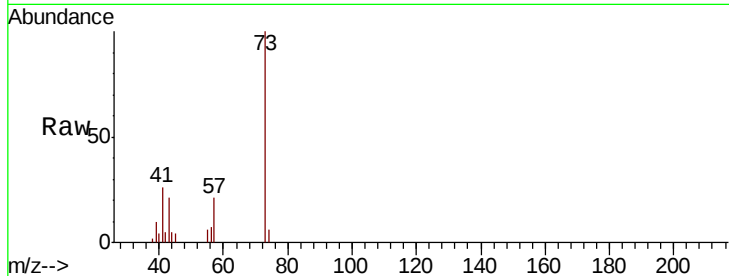




#19
Methyl tert-butyl Ether
Concen: 4.980 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN062248.D
Acq: 30 Jun 2020 18:39

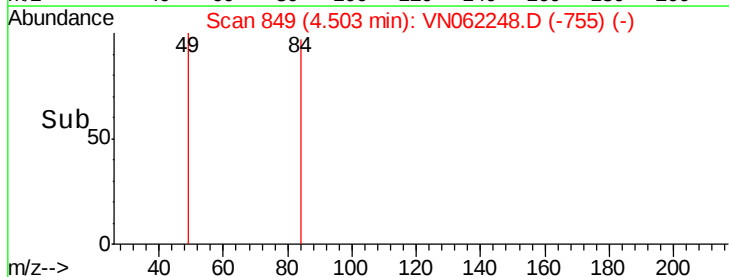
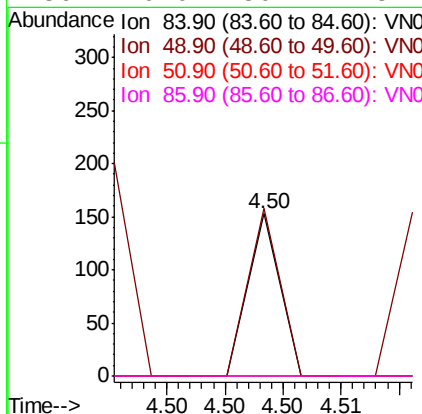
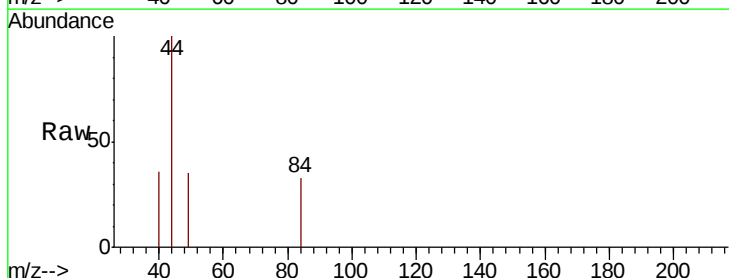
Instrument :
MSVOA_N
ClientSampled :
MW-1R

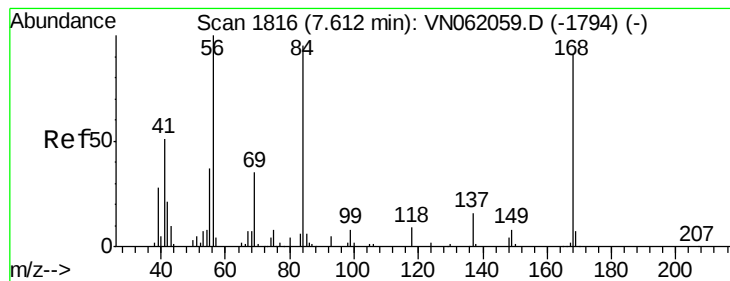
Tot Ion: 73 Resp: 36147
Ion Ratio Lower Upper
73 100
57 21.4 16.6 24.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062248.D
Acq: 30 Jun 2020 18:39

Tgt Ion: 84 Resp: 29
Ion Ratio Lower Upper
84 100
49 103.3 90.6 136.0
51 0.0 27.8 41.8#
86 0.0 50.1 75.1#





#31

Cyclohexane

Concen: 1.275 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062248.D

Acq: 30 Jun 2020 18:39

Instrument :

MSVOA_N

ClientSampled :

MW-1R

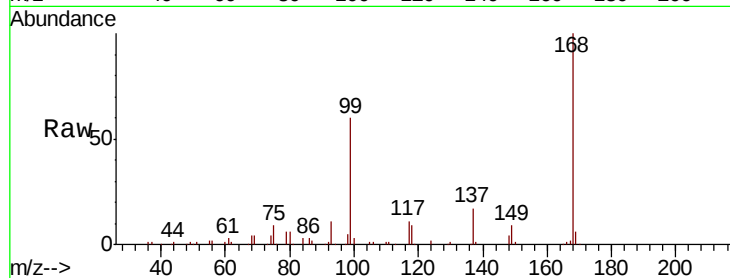
Tot Ion: 56 Resp: 4891

Ion Ratio Lower Upper

56 100

69 164.2 28.0 42.0#

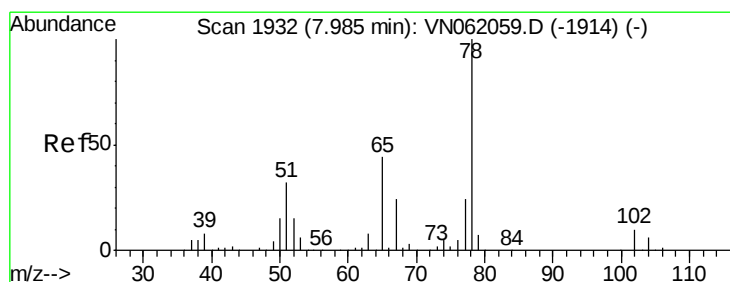
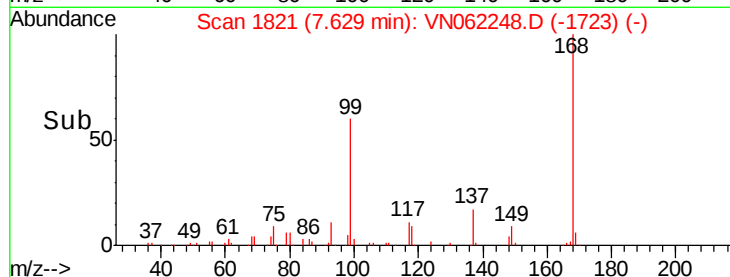
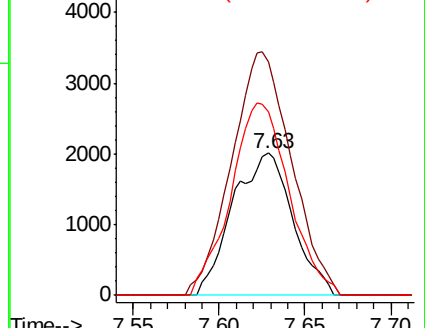
84 129.4 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062248.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062248.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062248.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.303 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062248.D

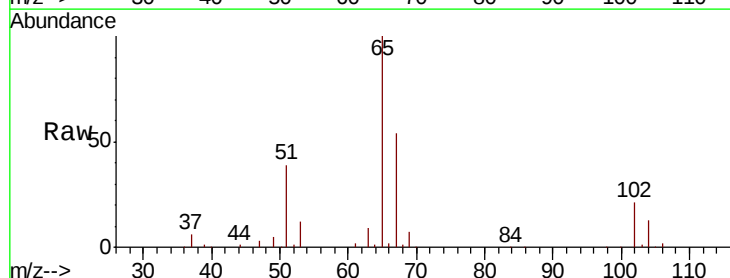
Acq: 30 Jun 2020 18:39

Tgt Ion: 65 Resp: 150744

Ion Ratio Lower Upper

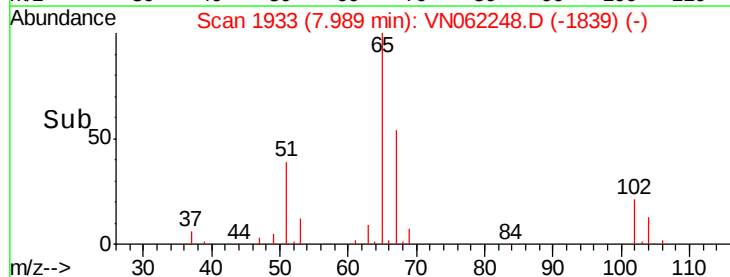
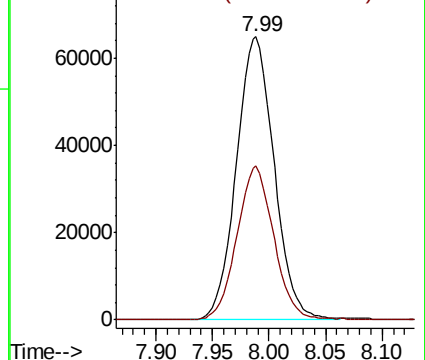
65 100

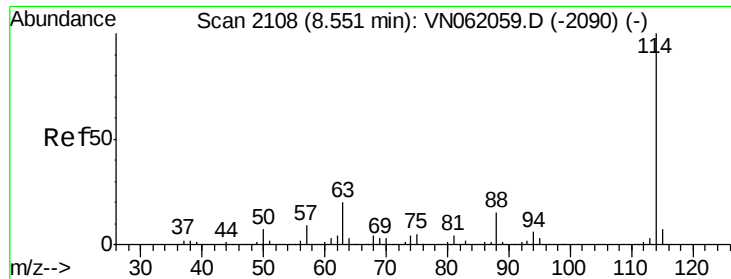
67 53.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062248.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062248.D (-1839) (-)

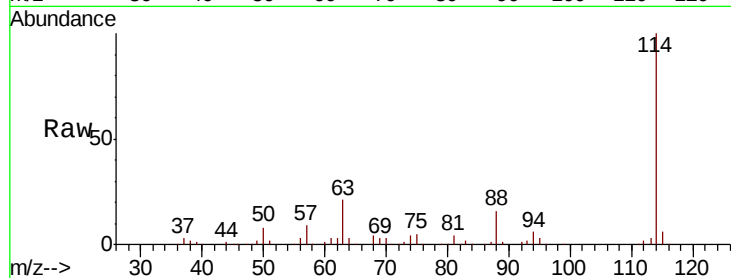




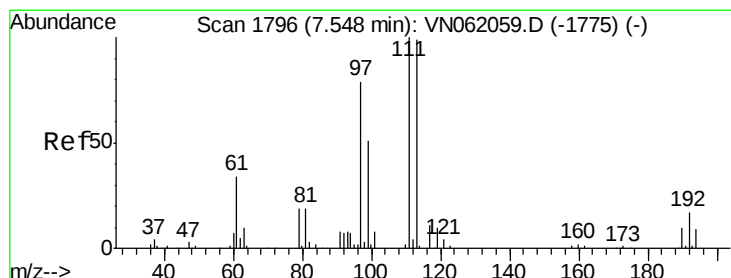
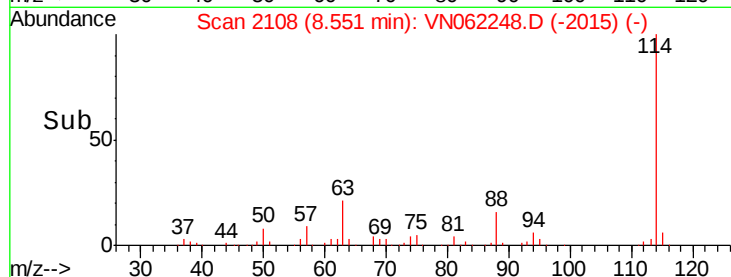
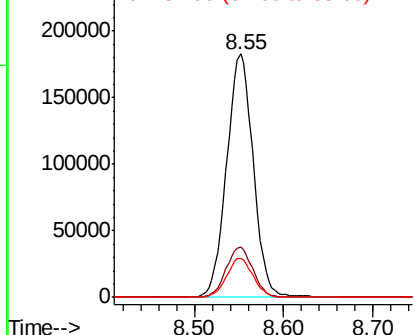
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062248.D
 Acq: 30 Jun 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.2
88	16.0	0.0	30.8

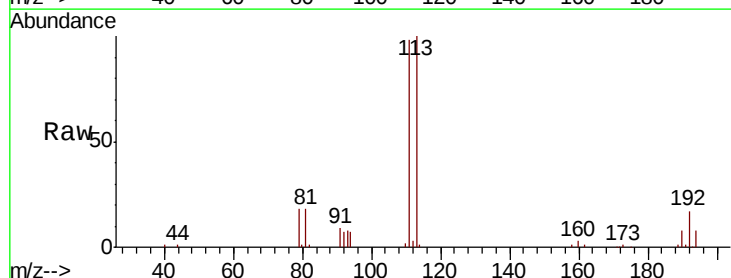


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

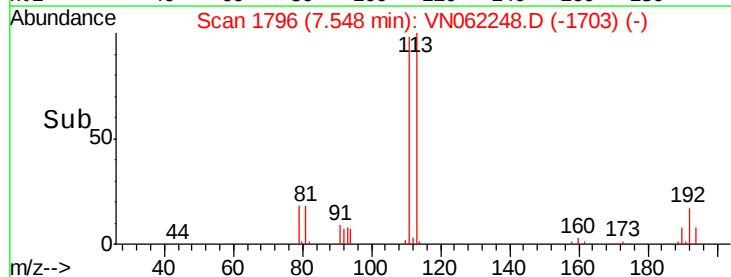
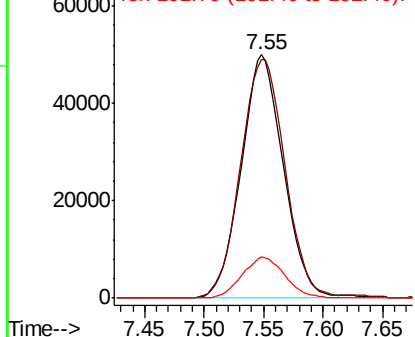


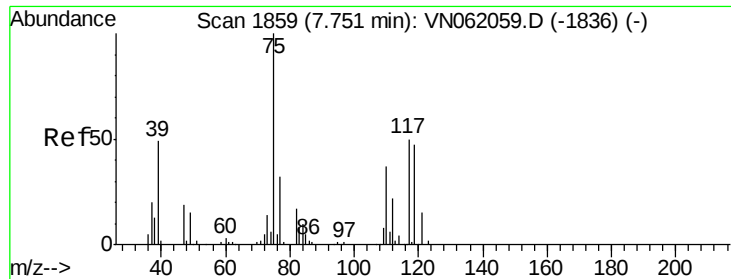
#35
 Dibromofluoromethane
 Concen: 50.414 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062248.D
 Acq: 30 Jun 2020 18:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	17.2	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

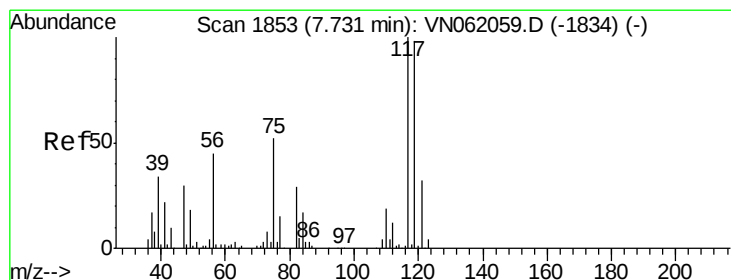
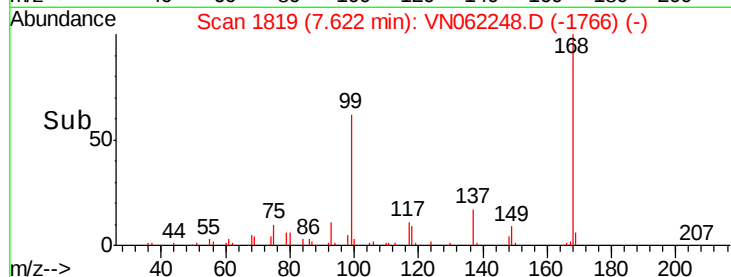
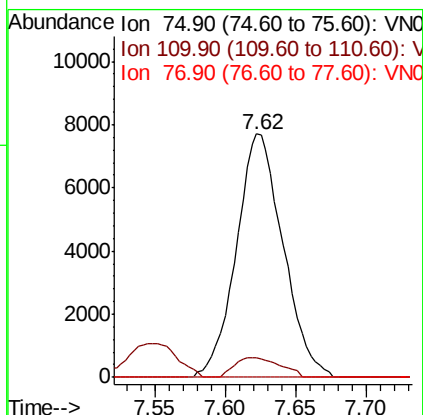
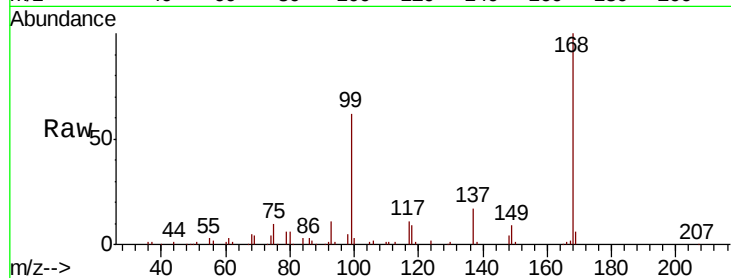




#36
 1,1-Dichloropropene
 Concen: 4.688 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062248.D
 Acq: 30 Jun 2020 18:39

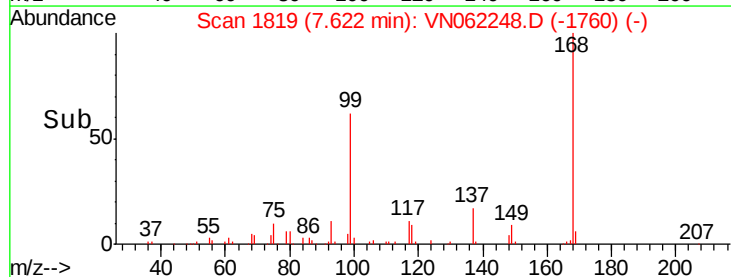
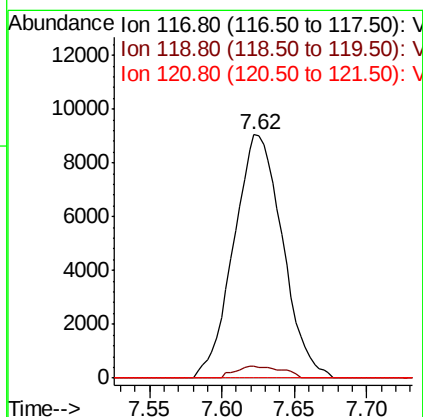
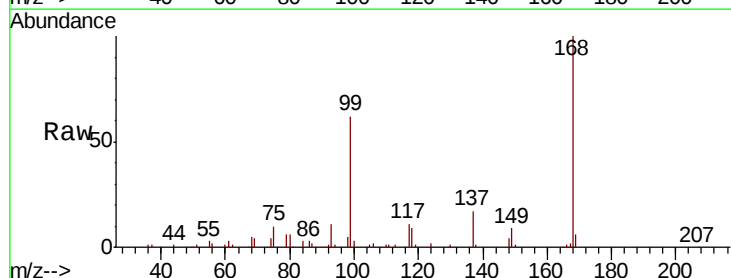
Instrument :
 MSVOA_N
 ClientSampleID :
 MW-1R

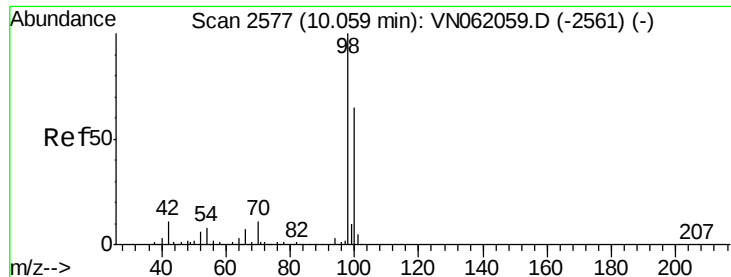
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.893 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062248.D
 Acq: 30 Jun 2020 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.2	117.2#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 50.521 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062248.D

Acq: 30 Jun 2020 18:39

Instrument :

MSVOA_N

ClientSampled :

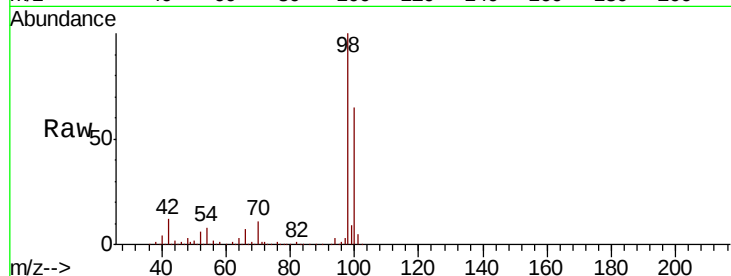
MW-1R

Tot Ion: 98 Resp: 490150

Ion Ratio Lower Upper

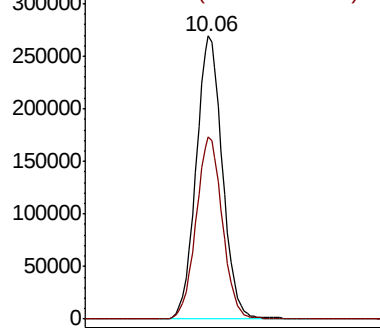
98 100

100 64.5 51.2 76.8

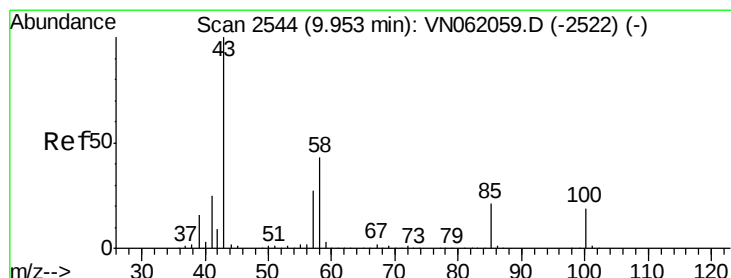
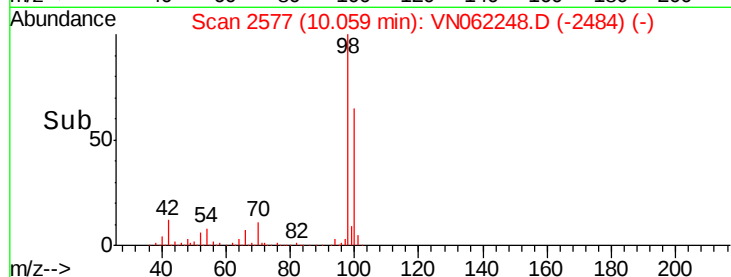


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.335 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. -0.05 min

Lab File: VN062248.D

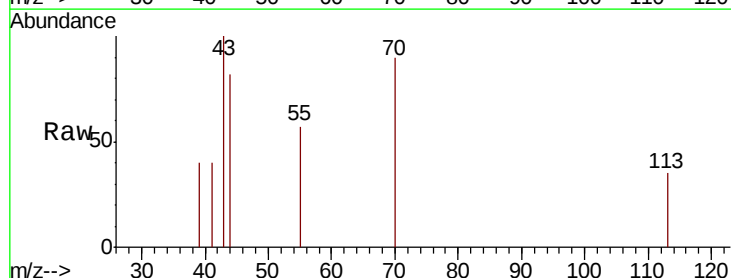
Acq: 30 Jun 2020 18:39

Tgt Ion: 43 Resp: 1004

Ion Ratio Lower Upper

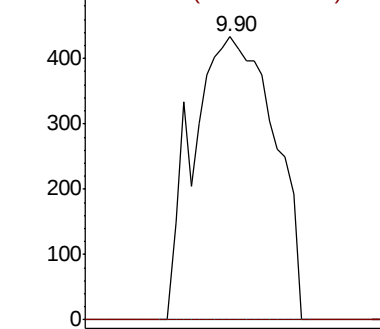
43 100

58 0.0 34.2 51.2#

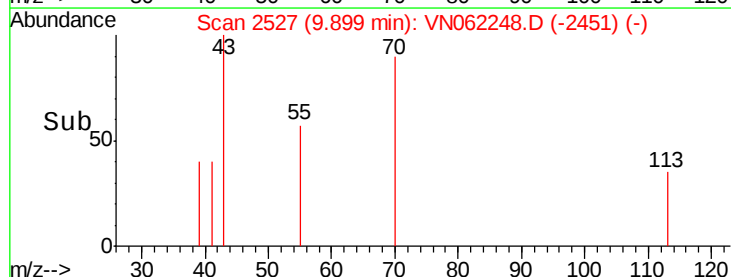


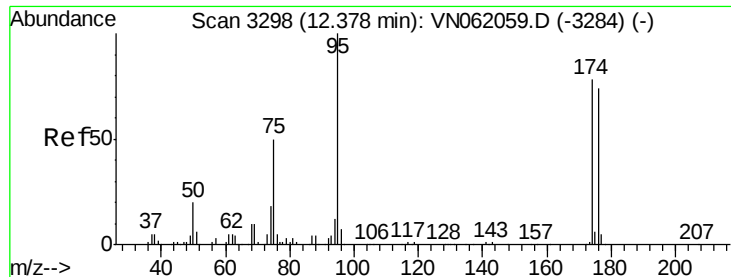
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#62

4-Bromofluorobenzene

Concen: 47.037 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062248.D

Acq: 30 Jun 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

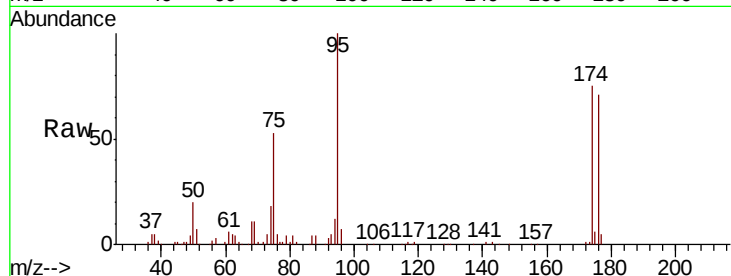
Tot Ion: 95 Resp: 154180

Ion Ratio Lower Upper

95 100

174 73.6 0.0 154.8

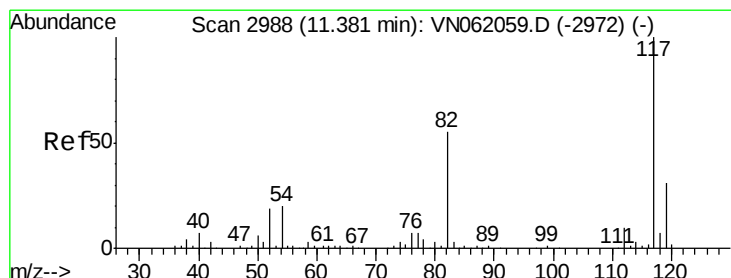
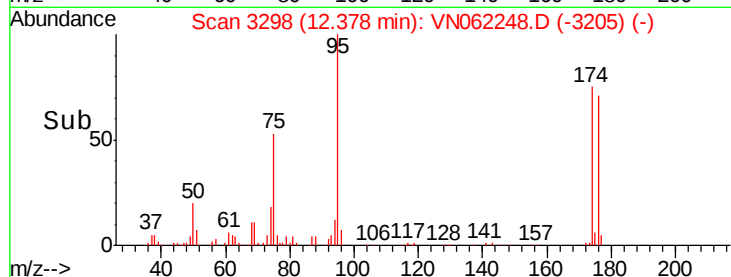
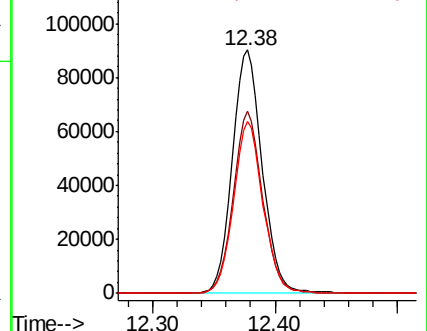
176 69.7 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062248.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062248.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062248.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062248.D

Acq: 30 Jun 2020 18:39

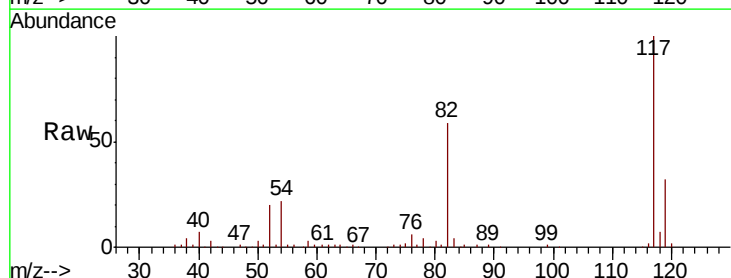
Tgt Ion: 117 Resp: 362811

Ion Ratio Lower Upper

117 100

82 58.9 43.8 65.8

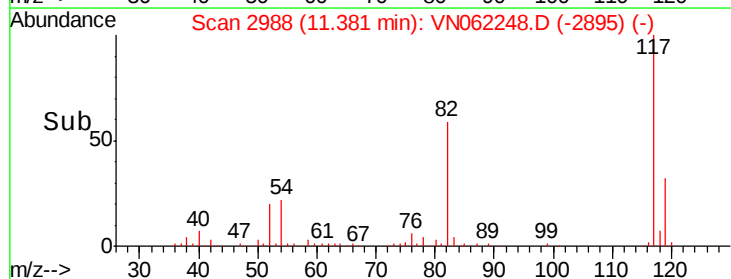
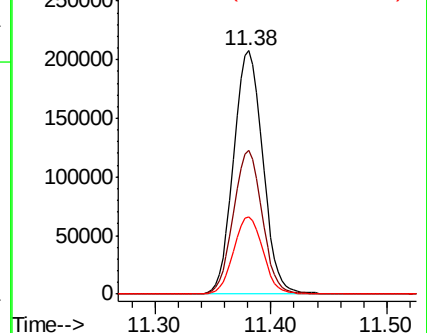
119 32.0 25.2 37.8

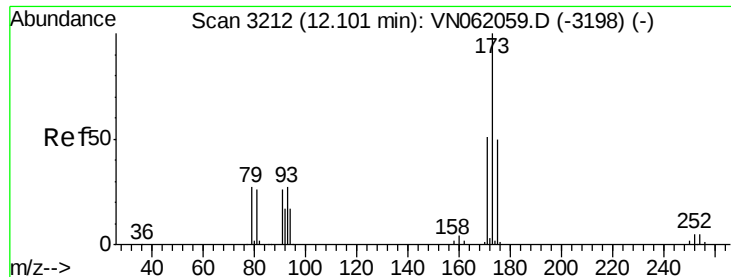


Abundance Ion 116.90 (116.60 to 117.60): VN062248.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062248.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062248.D (-2895) (-)





#71

Bromoform

Concen: 0.692 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062248.D

Acq: 30 Jun 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

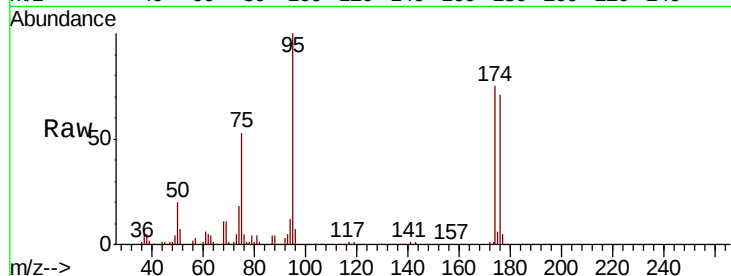
Tot Ion:173 Resp: 1355

Ion Ratio Lower Upper

173 100

175 520.6 24.7 74.1#

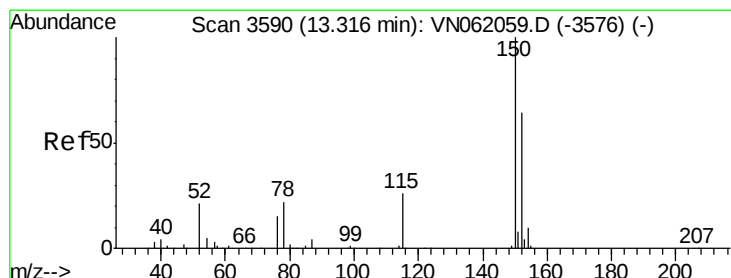
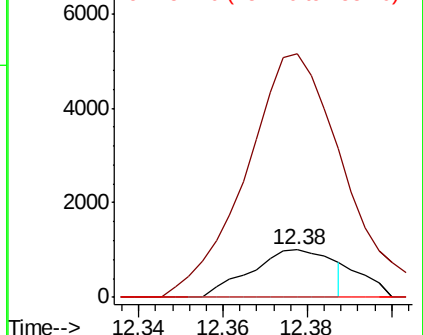
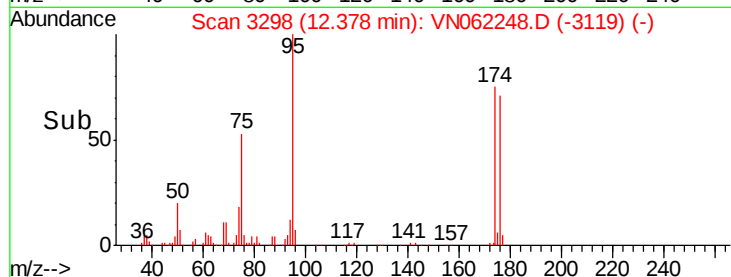
254 0.0 0.0 0.0



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: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062248.D

Acq: 30 Jun 2020 18:39

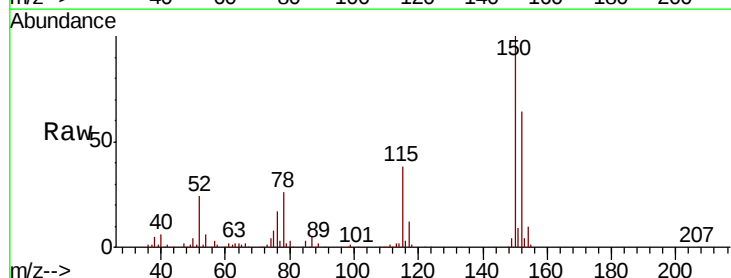
Tgt Ion:152 Resp: 126394

Ion Ratio Lower Upper

152 100

115 60.6 29.5 88.5

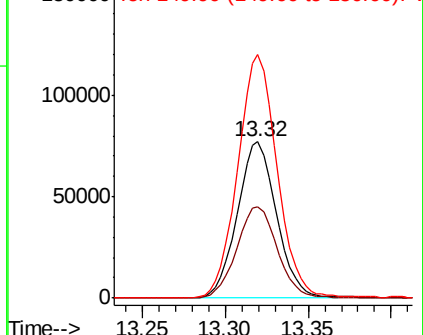
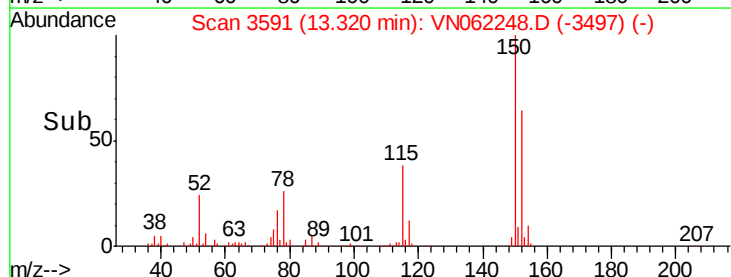
150 157.1 0.0 351.4

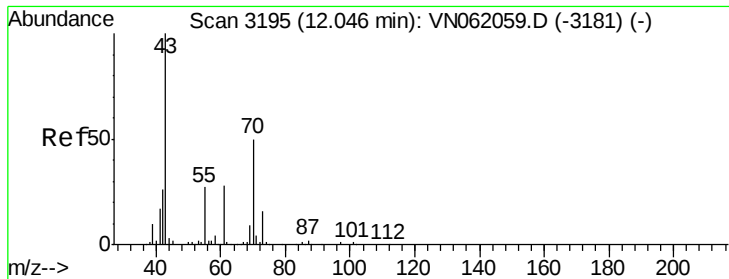


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.359 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062248.D

Acq: 30 Jun 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

Tot Ion: 43 Resp: 60

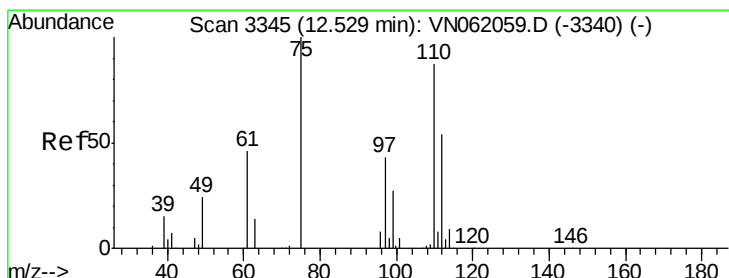
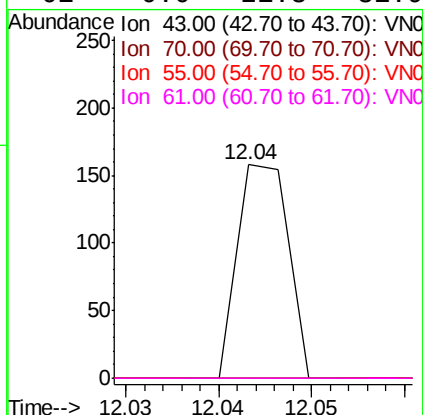
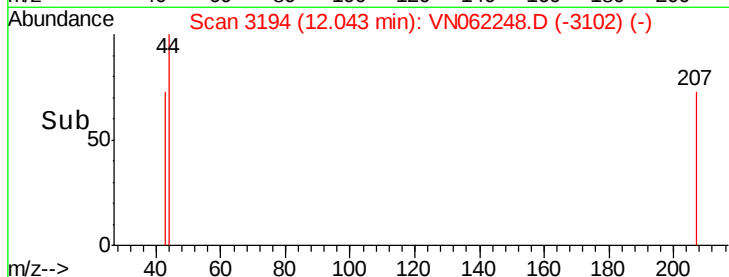
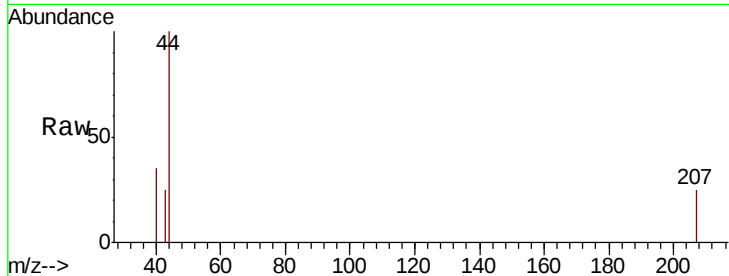
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#



#76

1,2,3-Trichloropropane

Concen: 27.229 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062248.D

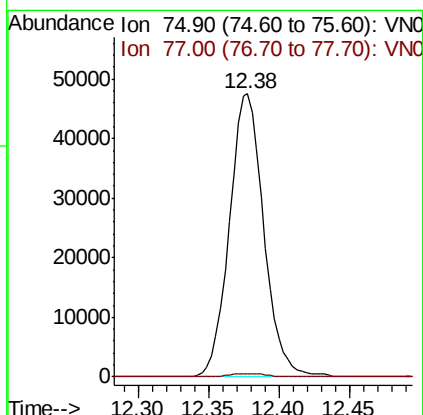
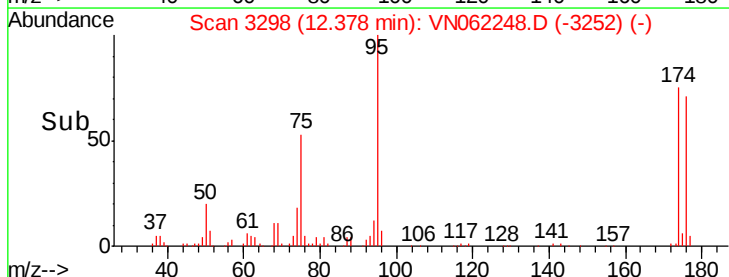
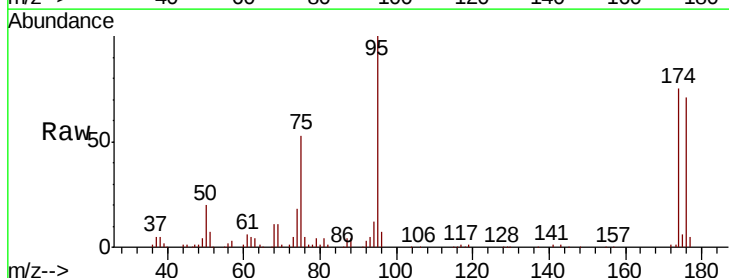
Acq: 30 Jun 2020 18:39

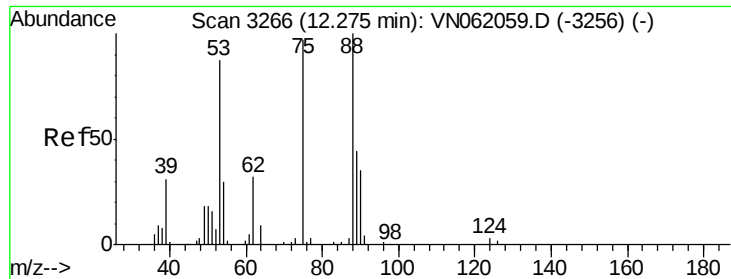
Tgt Ion: 75 Resp: 81019

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 79.520 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062248.D

Acq: 30 Jun 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

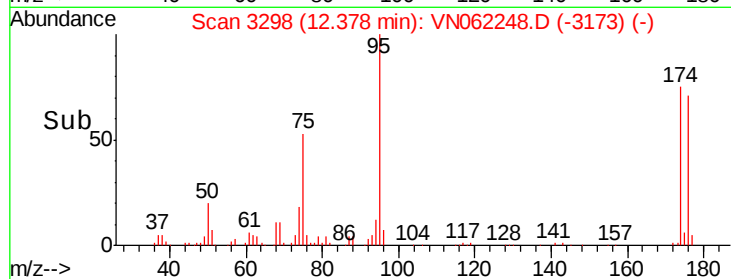
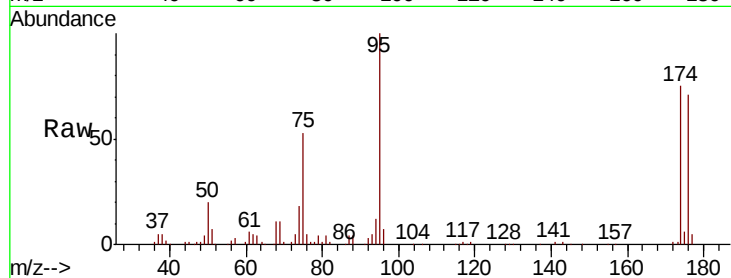
Tot Ion: 75 Resp: 81019

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

