

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062250.D
 Acq On : 30 Jun 2020 19:28
 Operator : JC/MD
 Sample : L3170-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Quant Time: Jul 01 03:38:13 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	185333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	362878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	345356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	112593	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	147478	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	
35) Dibromofluoromethane	7.55	113	117939	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	10.06	98	463657	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.38	95	141772	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	

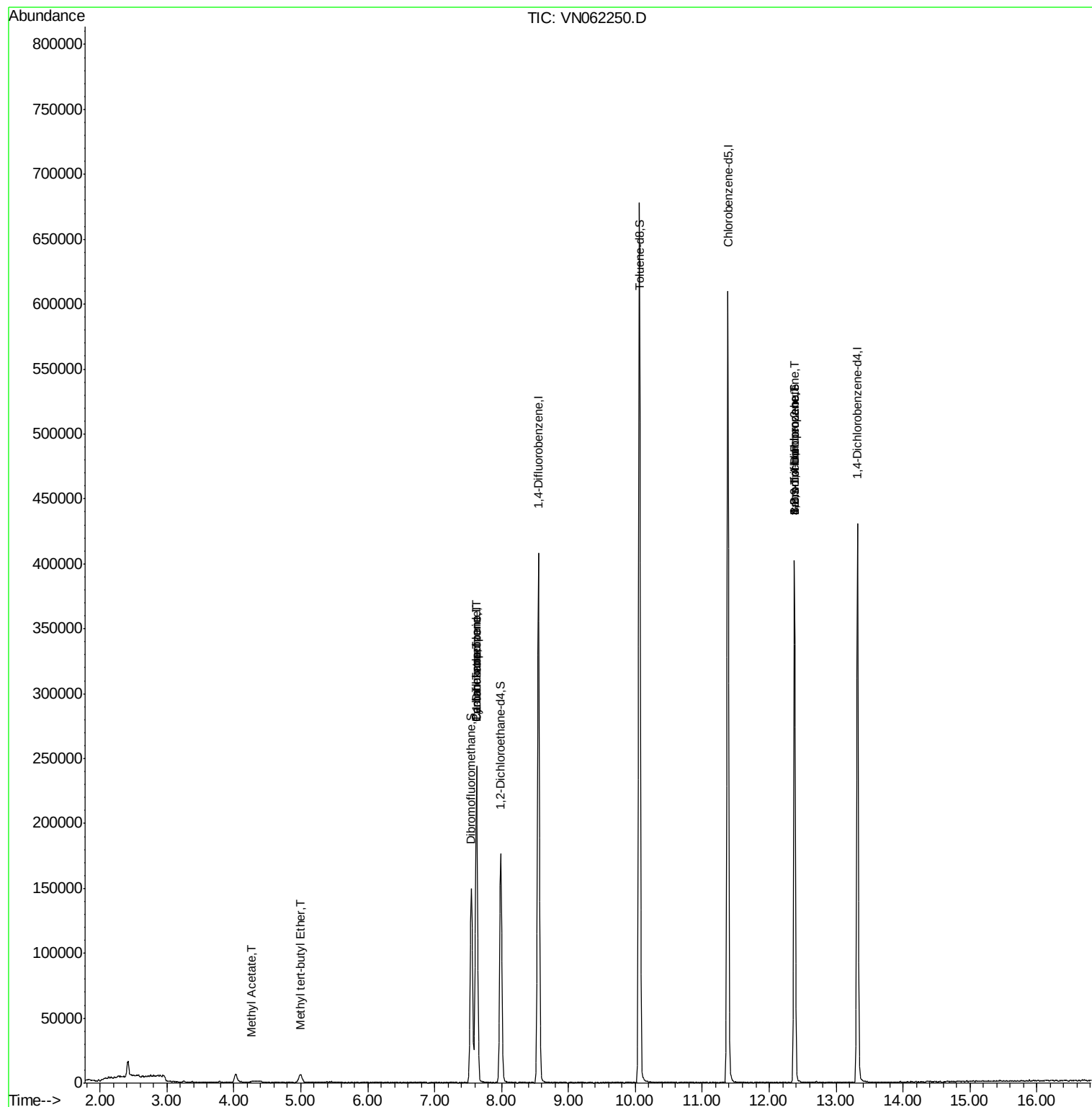
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	109	Below Cal	#	41
16) Acetone	3.78	43	1034	Below Cal	#	40
18) Methyl Acetate	4.28	43	498	0.241	ug/l #	46
19) Methyl tert-butyl Ether	4.99	73	10793	1.587	ug/l #	89
31) Cyclohexane	7.62	56	4625	1.287	ug/l #	9
36) 1,1-Dichloropropene	7.62	75	16361	4.486	ug/l #	44
38) Carbon Tetrachloride	7.63	117	18682	5.433	ug/l #	15
71) Bromoform	12.38	173	937	0.503	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	72745	27.445	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	72745	80.151	ug/l #	13

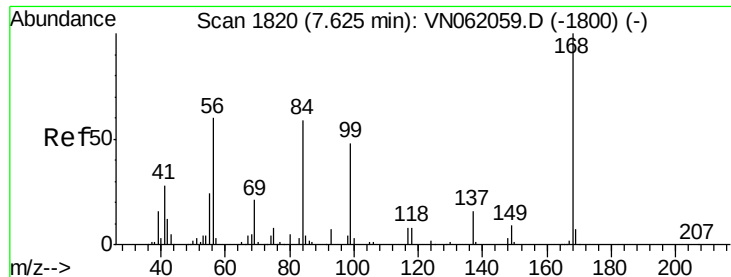
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062250.D

Acq: 30 Jun 2020 19:28

Instrument :

MSVOA_N

ClientSampled :

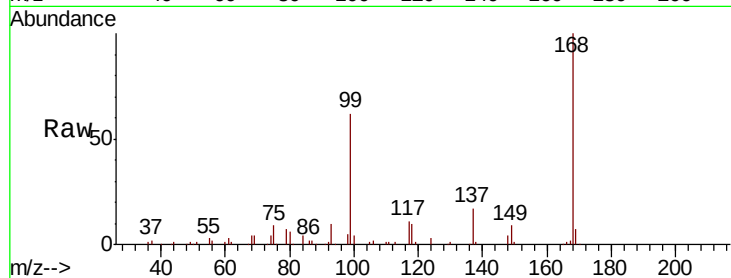
MW-5

Tot Ion:168 Resp: 185333

Ion Ratio Lower Upper

168 100

99 62.3 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

60000

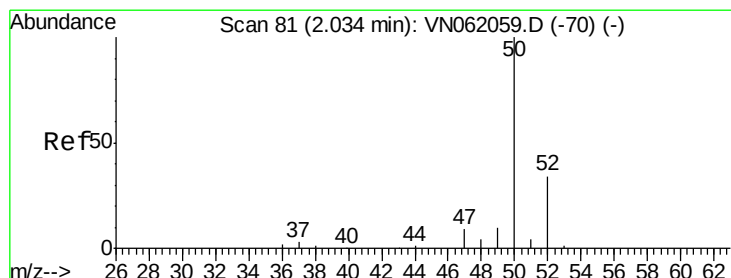
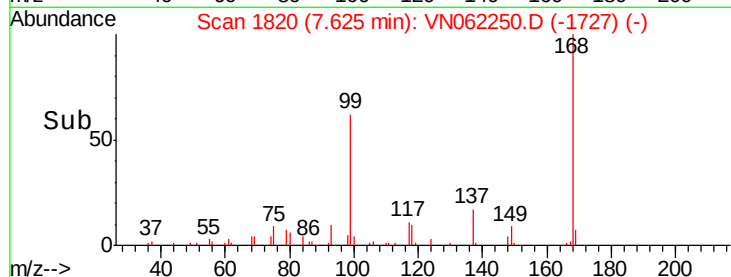
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 79

Delta R.T. -0.01 min

Lab File: VN062250.D

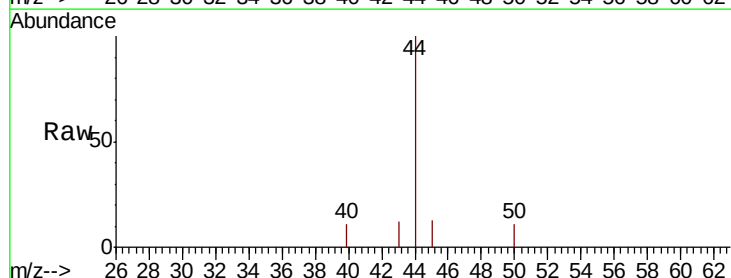
Acq: 30 Jun 2020 19:28

Tgt Ion: 50 Resp: 109

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

200

150

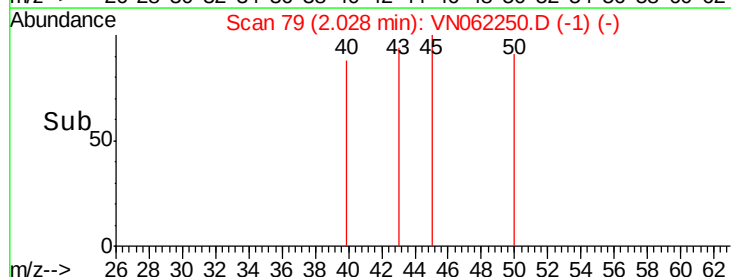
100

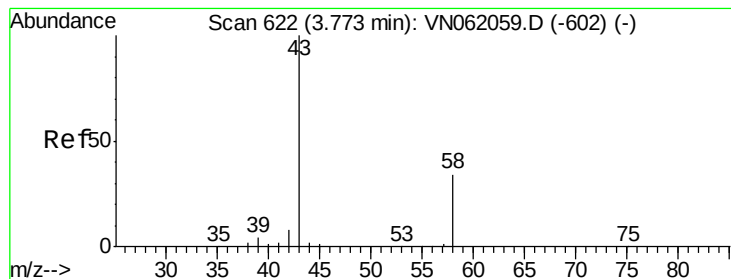
50

0

2.01 2.02 2.03

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062250.D

Acq: 30 Jun 2020 19:28

Instrument :

MSVOA_N

ClientSampled :

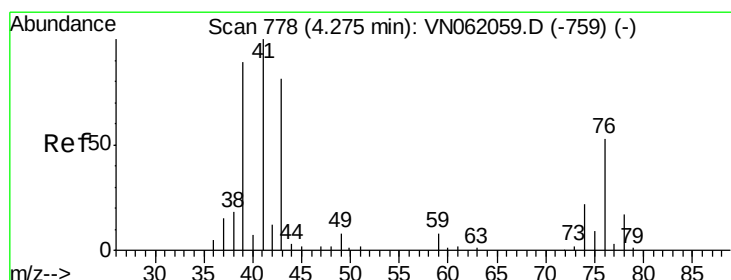
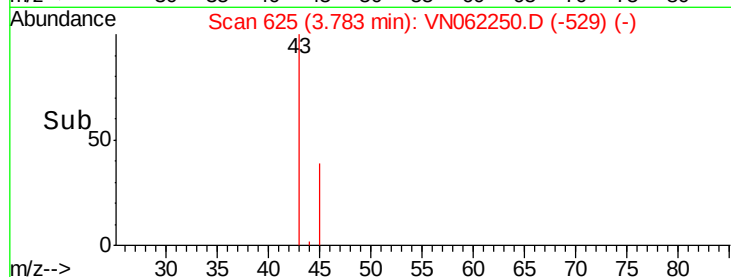
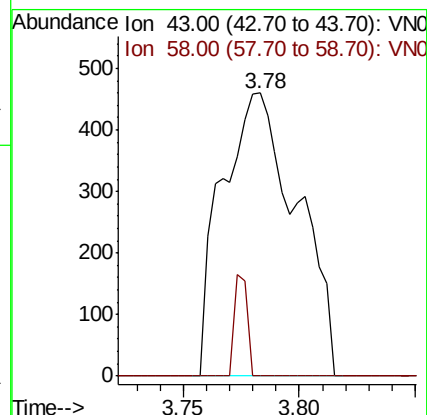
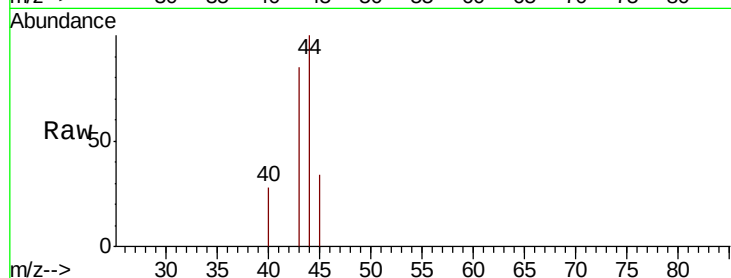
MW-5

Tot Ion: 43 Resp: 1034

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



#18

Methyl Acetate

Concen: 0.241 ug/l

RT: 4.28 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062250.D

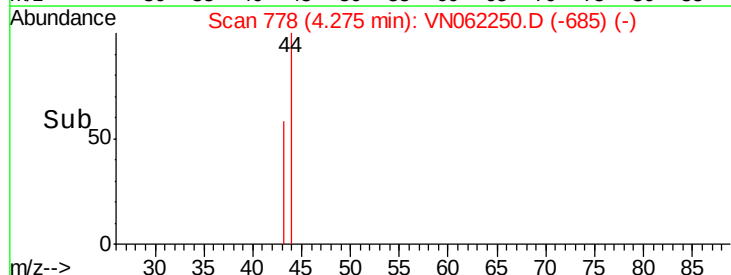
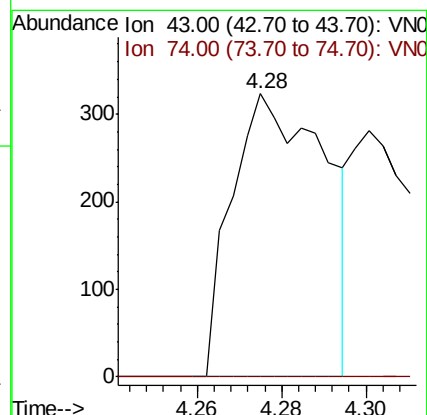
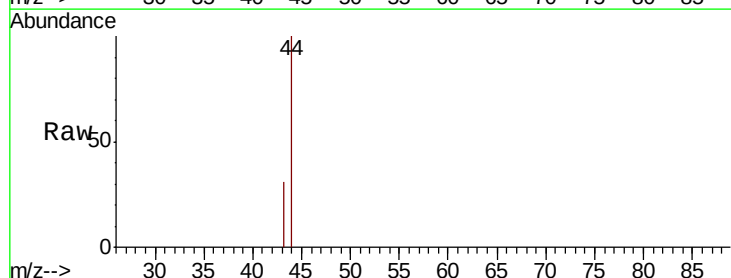
Acq: 30 Jun 2020 19:28

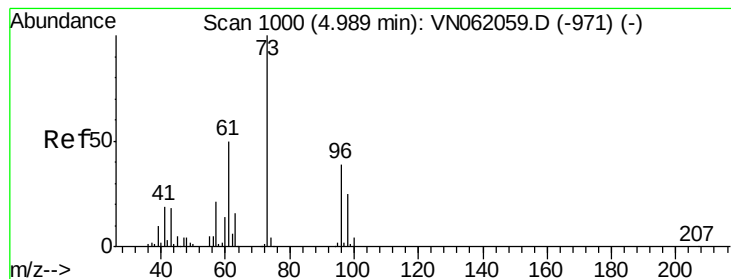
Tgt Ion: 43 Resp: 498

Ion Ratio Lower Upper

43 100

74 0.0 22.9 34.3#





#19

Methvl tert-butyl Ether

Concen: 1.587 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062250.D

Acq: 30 Jun 2020 19:28

Instrument :

MSVOA_N

ClientSampled :

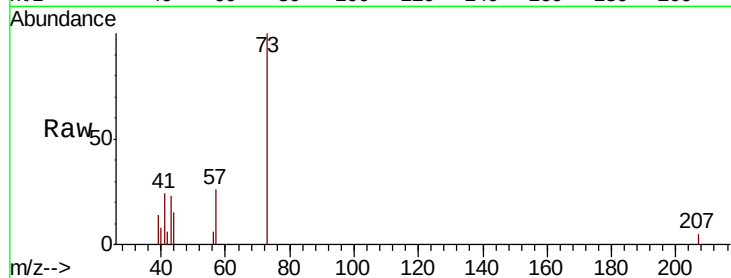
MW-5

Tot Ion: 73 Resp: 10793

Ion Ratio Lower Upper

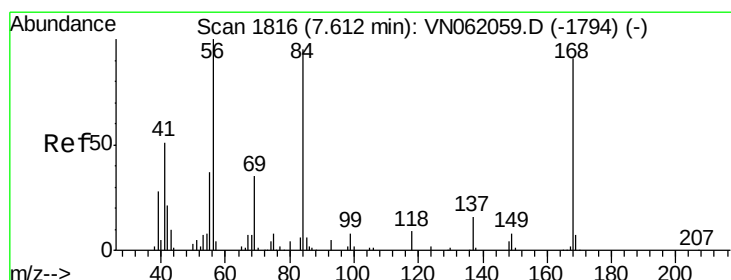
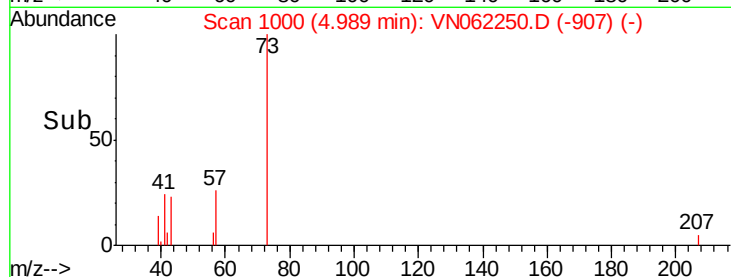
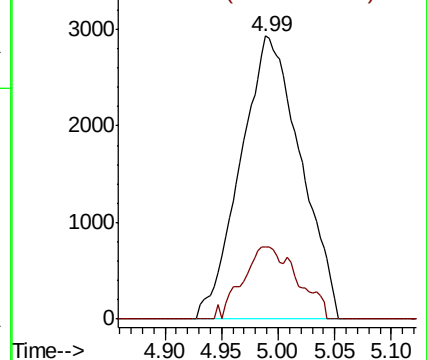
73 100

57 25.7 16.6 24.8#



Abundance Ion 73.00 (72.70 to 73.70): VN062250.D (-1723) (-)

Ion 57.00 (56.70 to 57.70): VN062250.D (-1723) (-)



#31

Cyclohexane

Concen: 1.287 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062250.D

Acq: 30 Jun 2020 19:28

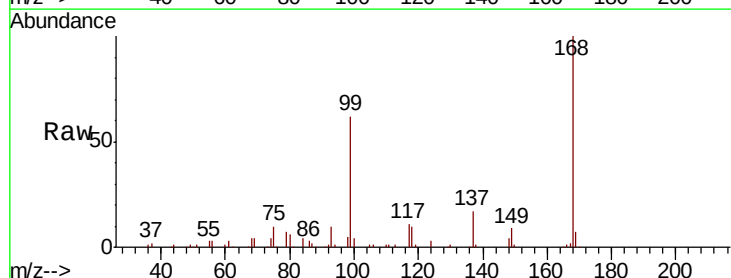
Tgt Ion: 56 Resp: 4625

Ion Ratio Lower Upper

56 100

69 153.0 28.0 42.0#

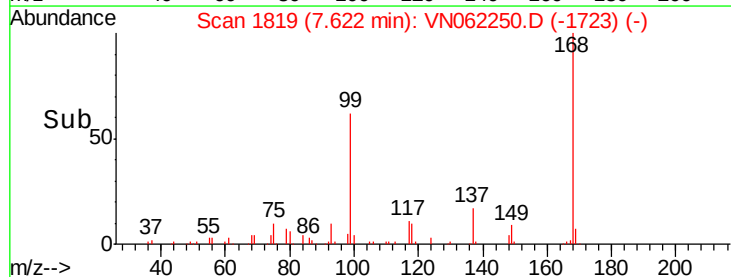
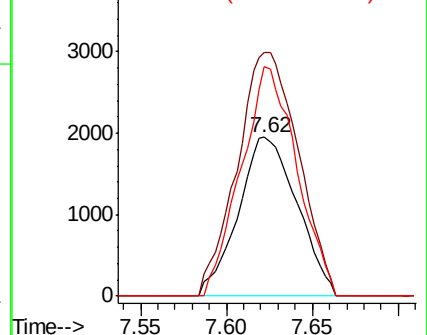
84 144.0 76.1 114.1#

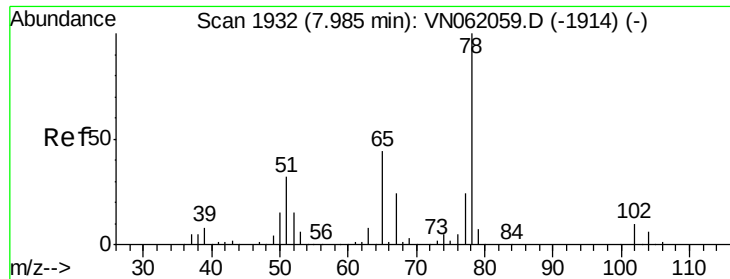


Abundance Ion 56.00 (55.70 to 56.70): VN062250.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062250.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062250.D (-1723) (-)

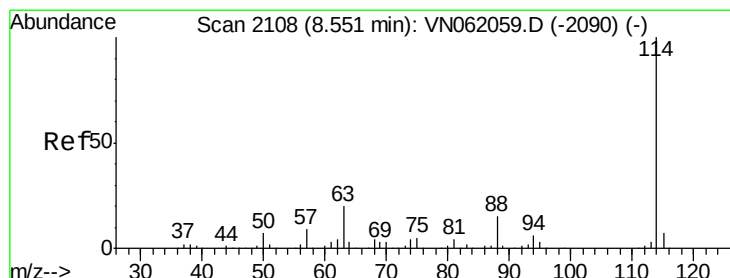
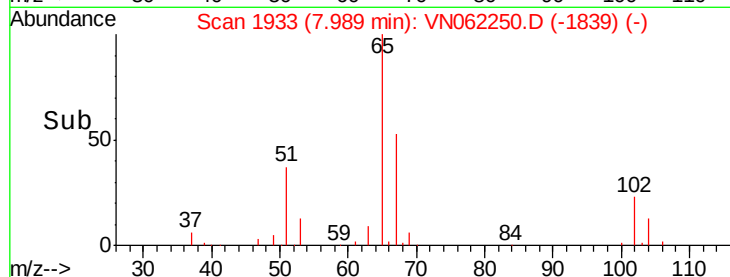
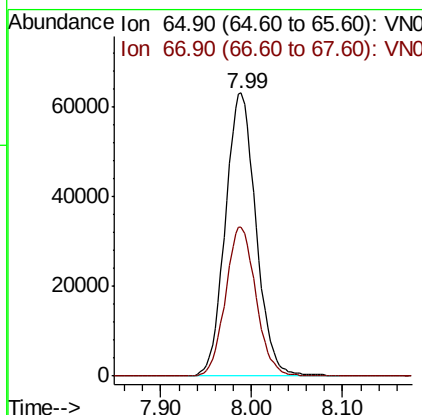
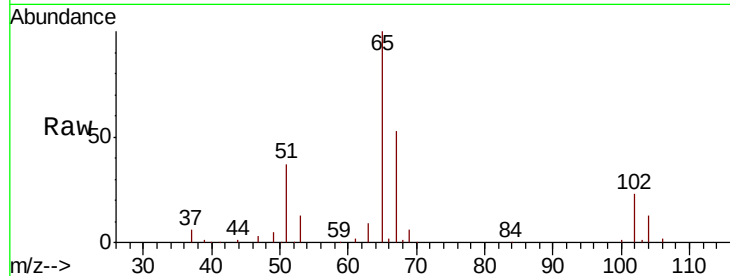




#33
 1,2-Dichloroethane-d4
 Concen: 56.704 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062250.D
 Acq: 30 Jun 2020 19:28

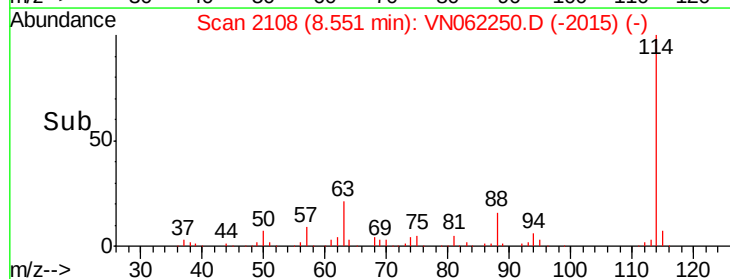
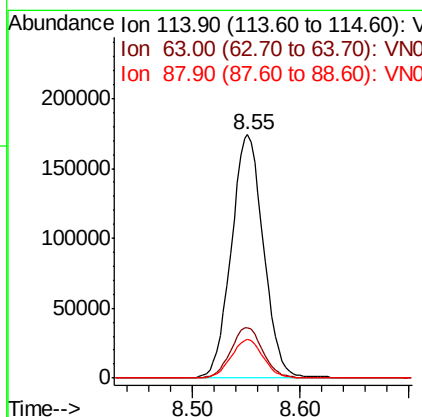
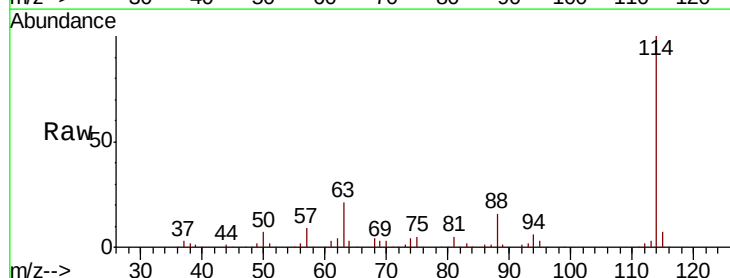
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

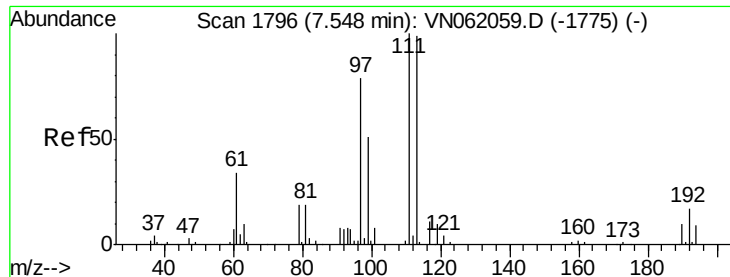
Tot Ion: 65 Resp: 147478
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062250.D
 Acq: 30 Jun 2020 19:28

Tgt Ion: 114 Resp: 362878
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.2
 88 16.0 0.0 30.8

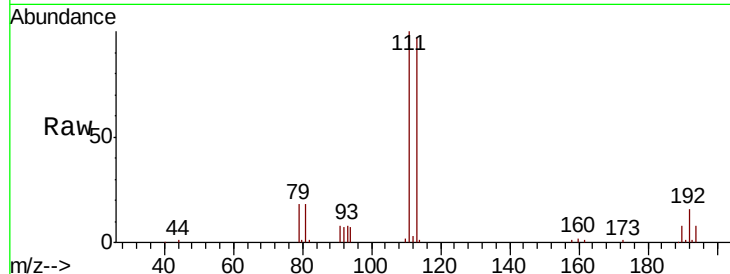




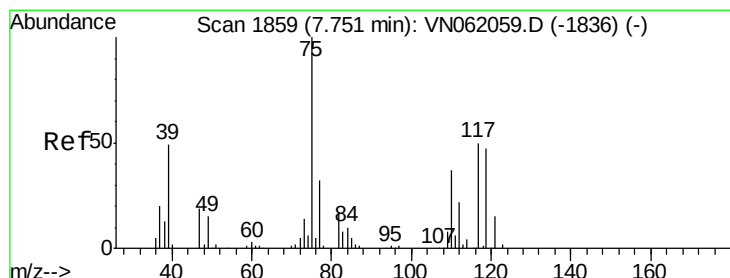
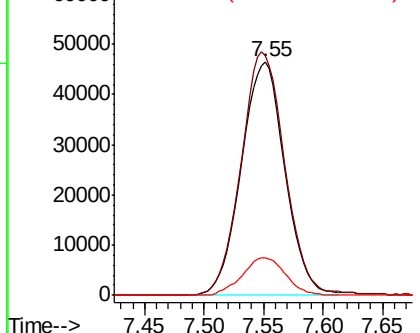
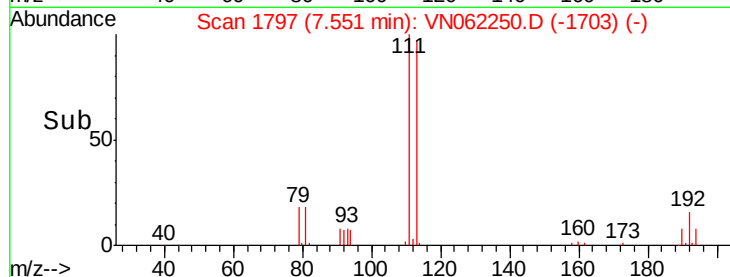
#35
 Dibromofluoromethane
 Concen: 50.660 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062250.D
 Acq: 30 Jun 2020 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.2	123.4
192	16.0	14.0	21.0

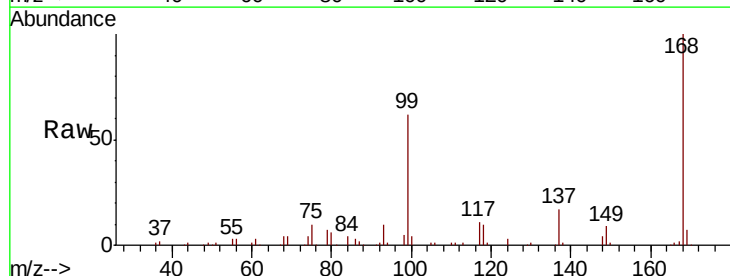


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

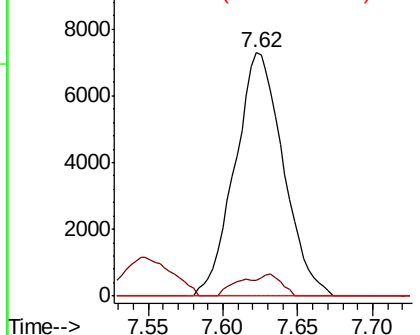
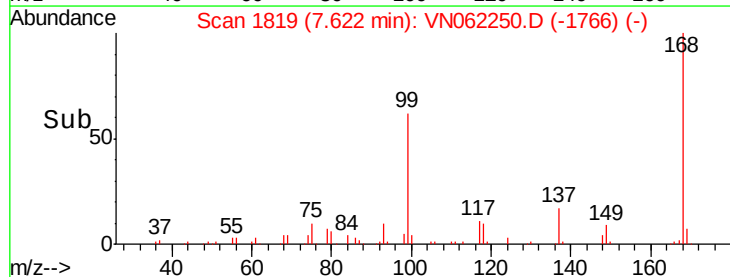


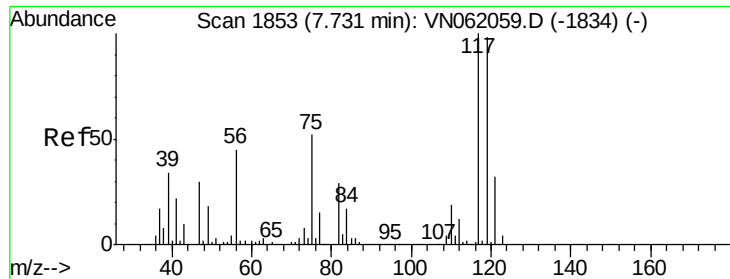
#36
 1,1-Dichloropropene
 Concen: 4.486 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062250.D
 Acq: 30 Jun 2020 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.8	17.9	53.8#
77	0.0	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.433 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062250.D

Acq: 30 Jun 2020 19:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5

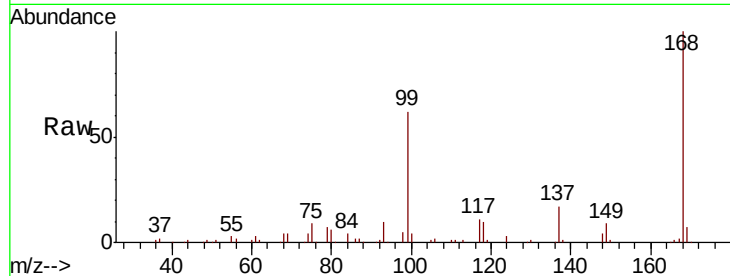
Tot Ion:117 Resp: 18682

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.2#

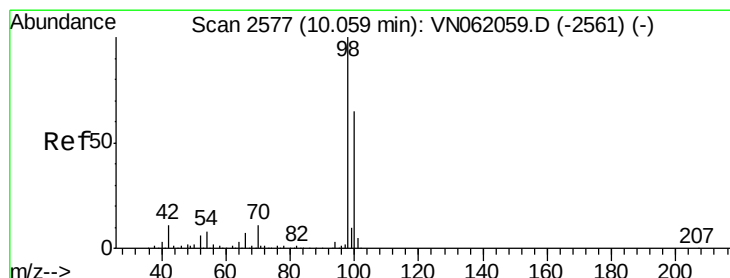
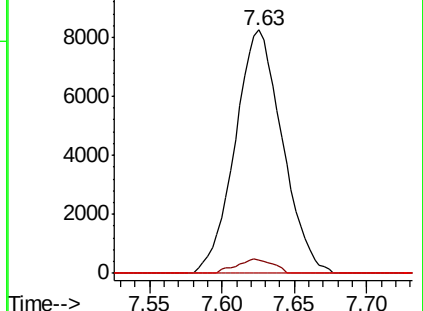
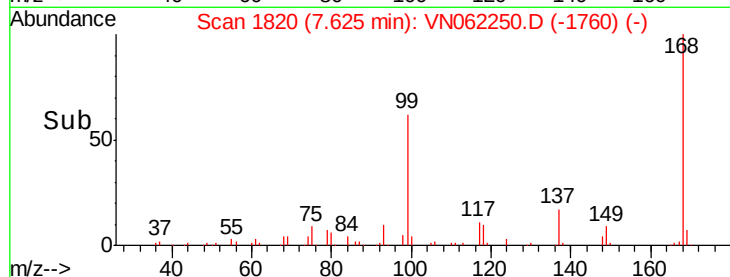
121 0.0 25.8 38.6#



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



#50

Toluene-d8

Concen: 49.824 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062250.D

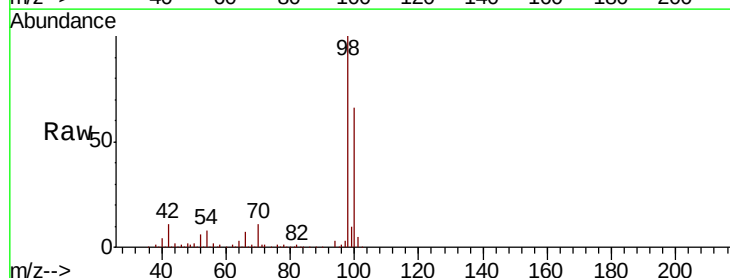
Acq: 30 Jun 2020 19:28

Tgt Ion: 98 Resp: 463657

Ion Ratio Lower Upper

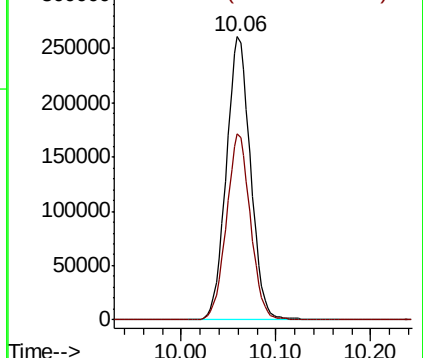
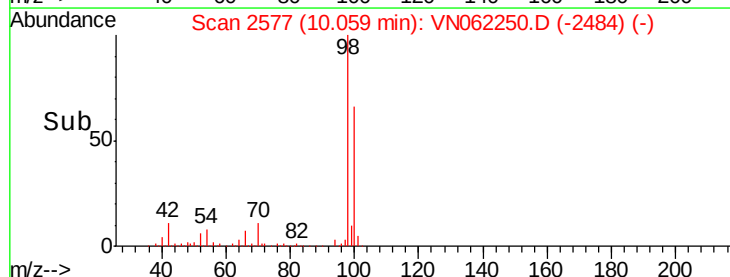
98 100

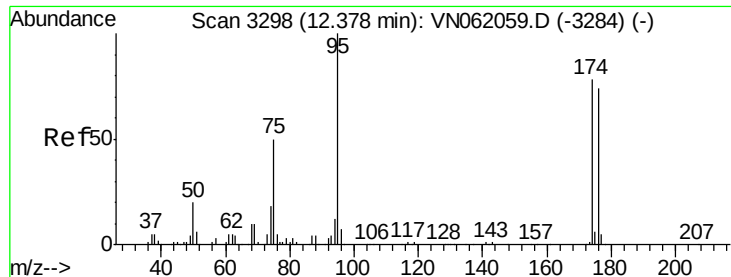
100 65.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

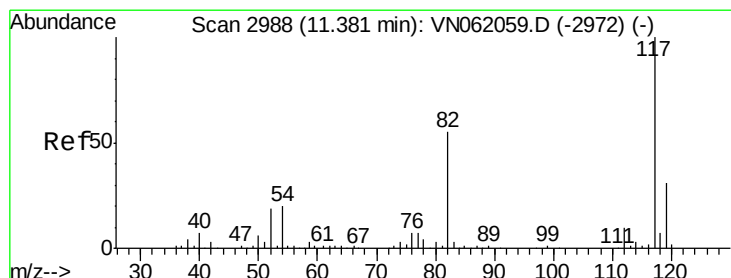
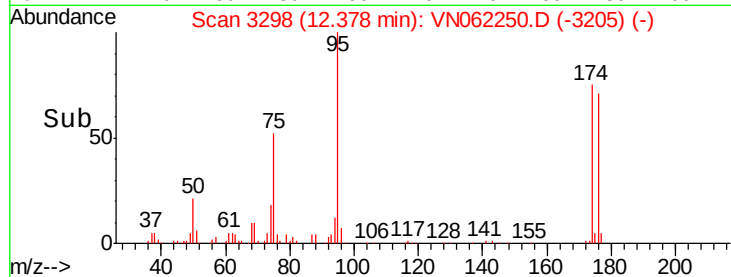
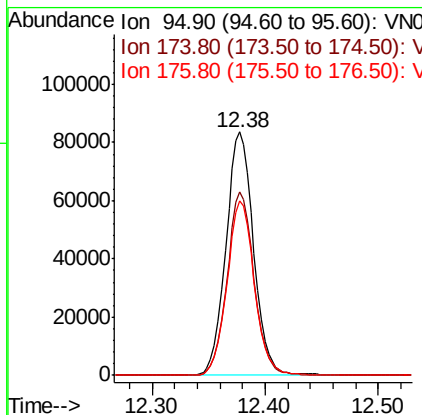
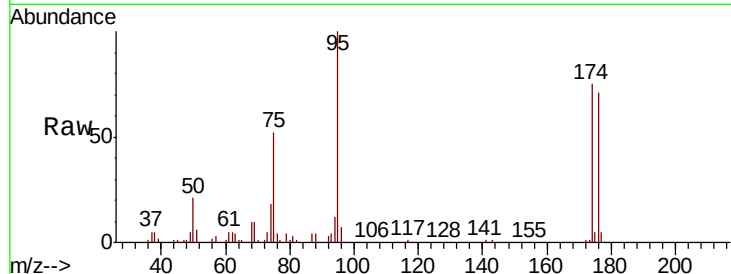




#62
4-Bromofluorobenzene
Concen: 45.092 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062250.D
Acq: 30 Jun 2020 19:28

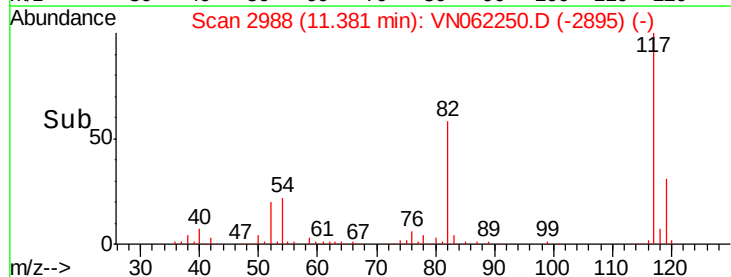
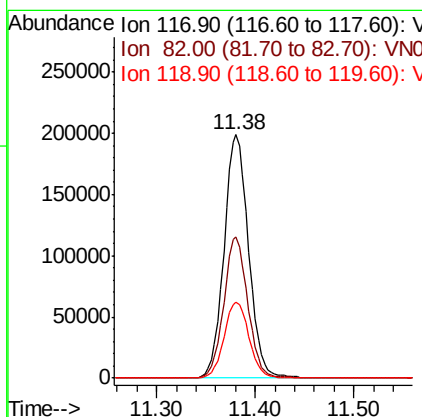
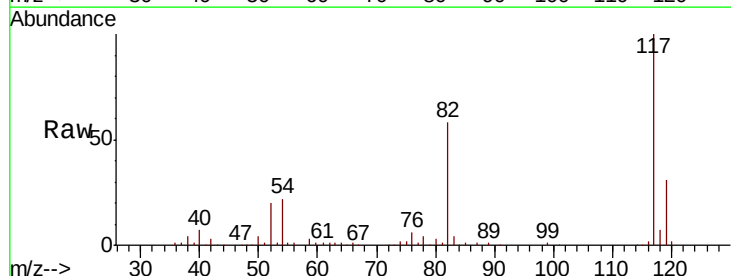
Instrument :
MSVOA_N
ClientSampled :
MW-5

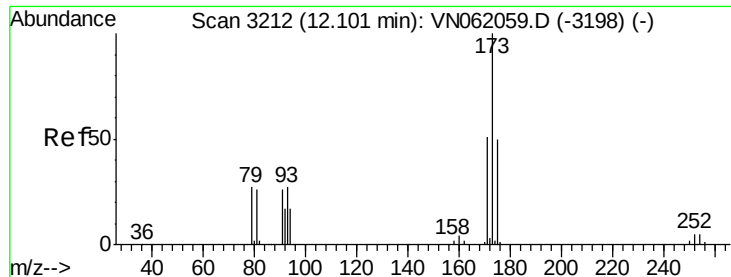
Tot Ion: 95 Resp: 141772
Ion Ratio Lower Upper
95 100
174 73.8 0.0 154.8
176 71.0 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062250.D
Acq: 30 Jun 2020 19:28

Tgt Ion: 117 Resp: 345356
Ion Ratio Lower Upper
117 100
82 58.1 43.8 65.8
119 31.4 25.2 37.8





#71

Bromoform

Concen: 0.503 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062250.D

Acq: 30 Jun 2020 19:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5

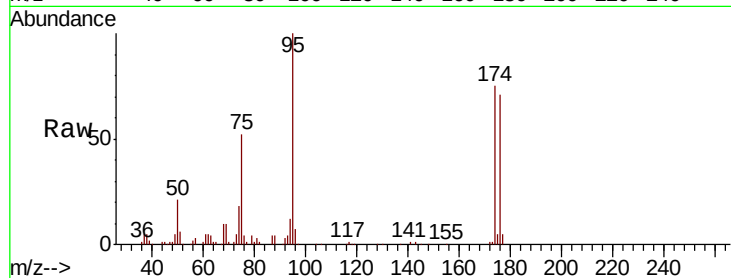
Tot Ion:173 Resp: 937

Ion Ratio Lower Upper

173 100

175 712.4 24.7 74.1#

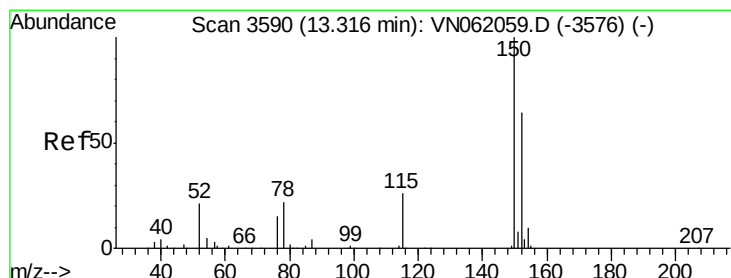
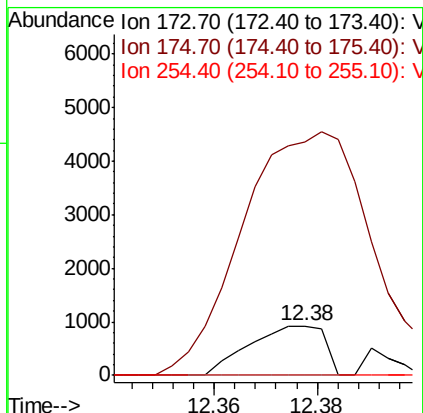
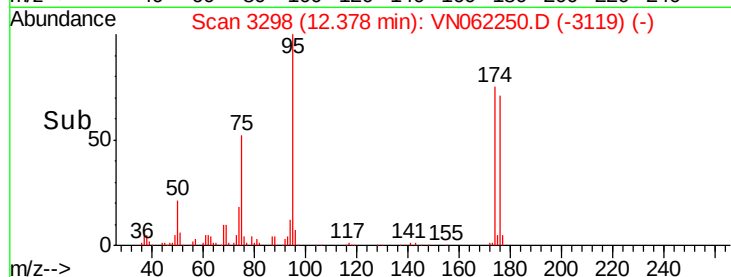
254 0.0 0.0 0.0



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: VN062250.D

Acq: 30 Jun 2020 19:28

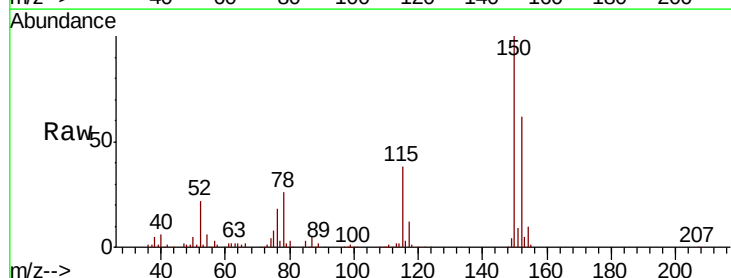
Tgt Ion:152 Resp: 112593

Ion Ratio Lower Upper

152 100

115 61.0 29.5 88.5

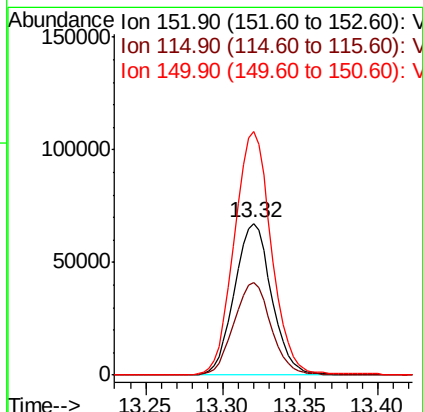
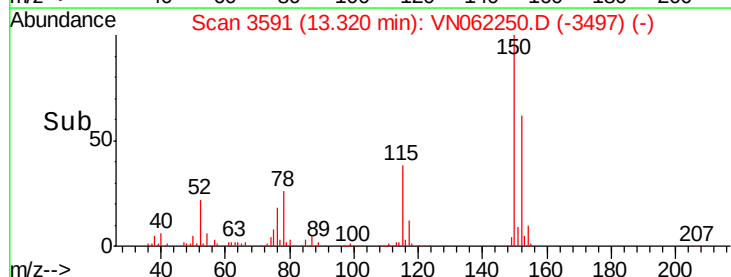
150 160.4 0.0 351.4

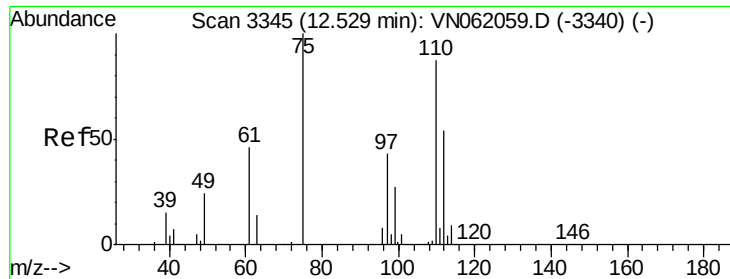


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.445 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062250.D

Acq: 30 Jun 2020 19:28

Instrument :

MSVOA_N

ClientSampleId :

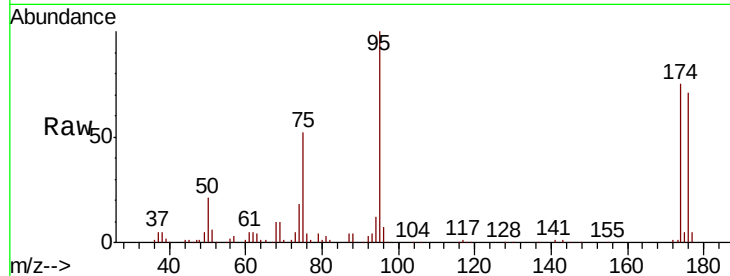
MW-5

Tot Ion: 75 Resp: 72745

Ion Ratio Lower Upper

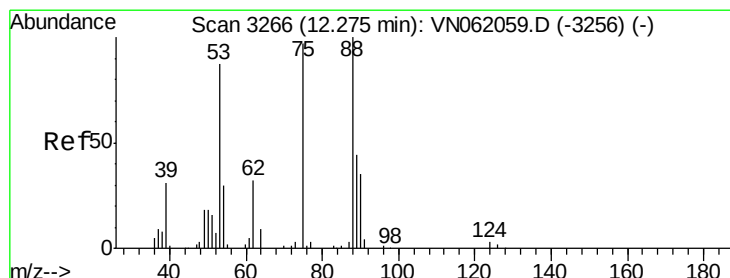
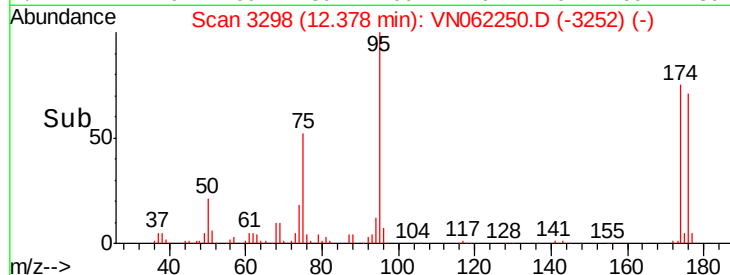
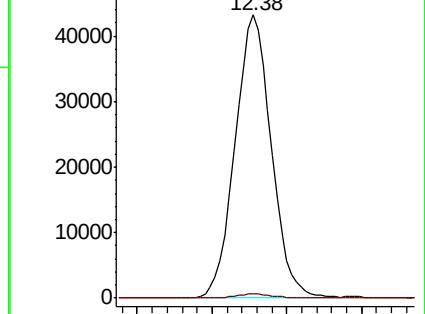
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062250.D (-3298) (-)

Ion 77.00 (76.70 to 77.70): VN062250.D (-3298) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 80.151 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062250.D

Acq: 30 Jun 2020 19:28

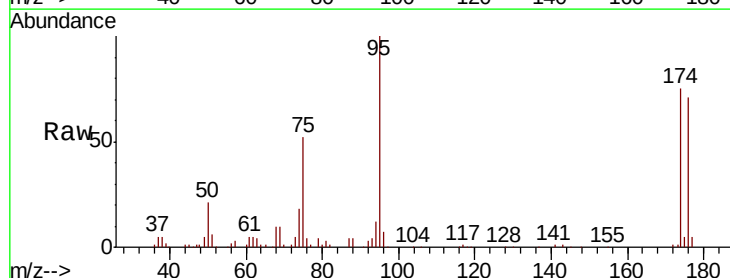
Tgt Ion: 75 Resp: 72745

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062250.D (-3298) (-)

Ion 53.00 (52.70 to 53.70): VN062250.D (-3298) (-)

Ion 88.90 (88.60 to 89.60): VN062250.D (-3298) (-)

