

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062430.D
 Acq On : 9 Jul 2020 1:35
 Operator : JC/MD
 Sample : L3215-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

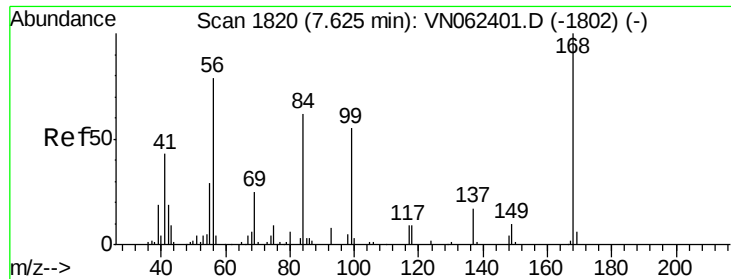
Quant Time: Jul 09 02:27:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	180692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	325866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	306978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	110253	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	144516	52.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.00%	
35) Dibromofluoromethane	7.55	113	105481	52.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.74%	
50) Toluene-d8	10.06	98	420102	52.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.38	95	148337	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	656	0.222	ug/l #	43
16) Acetone	3.79	43	2634	2.232	ug/l	99
31) Cyclohexane	7.63	56	4572	1.083	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15891	4.840	ug/l #	51
38) Carbon Tetrachloride	7.63	117	19249	6.522	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	2138	0.590	ug/l #	1
60) Dibromochloromethane	10.60	129	523	0.219	ug/l #	11
64) Tetrachloroethene	10.61	164	751	0.412	ug/l #	67
76) 1,2,3-Trichloropropane	12.38	75	78156	28.891	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	78156	77.328	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062430.D

Acq: 9 Jul 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

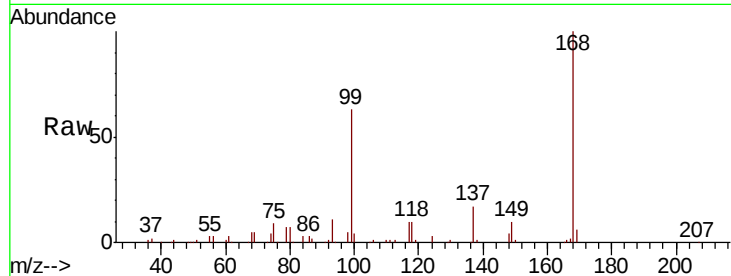
MW-7

Tot Ion:168 Resp: 180692

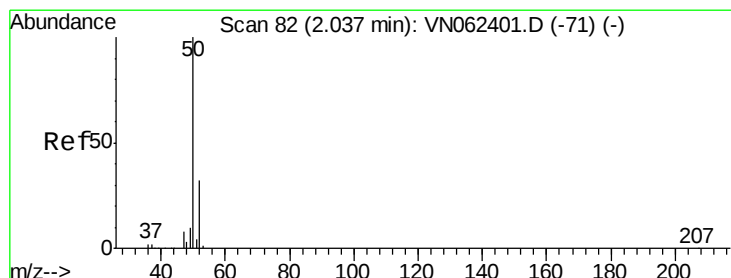
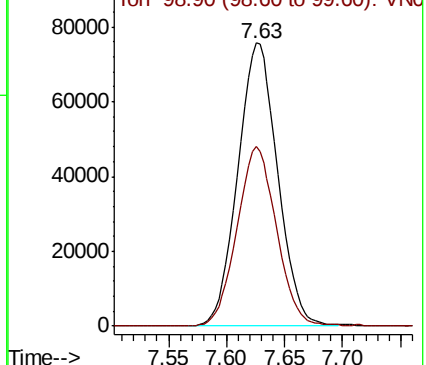
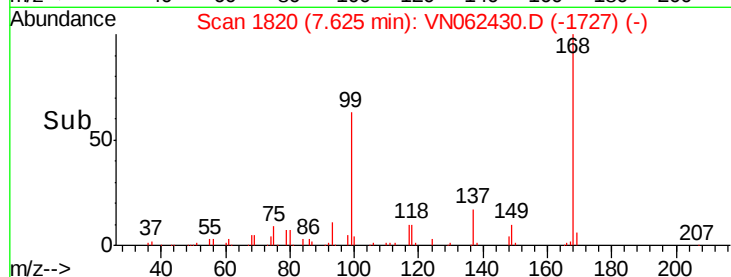
Ion Ratio Lower Upper

168 100

99 63.3 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): VN062430.D (-1727) (-)



#3

Chloromethane

Concen: 0.222 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN062430.D

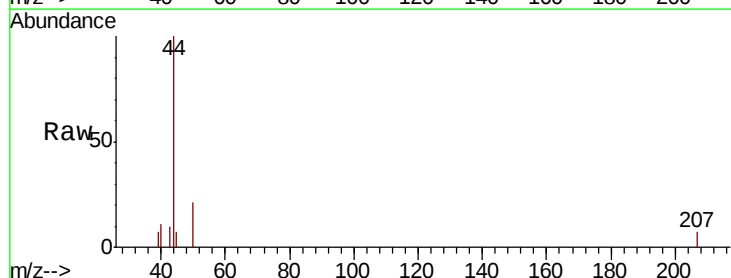
Acq: 9 Jul 2020 1:35

Tgt Ion: 50 Resp: 656

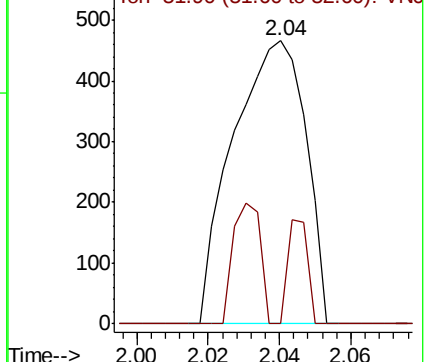
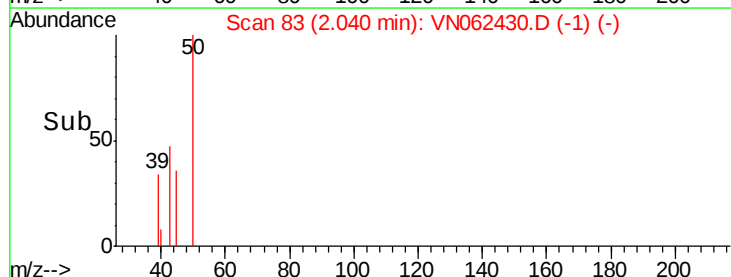
Ion Ratio Lower Upper

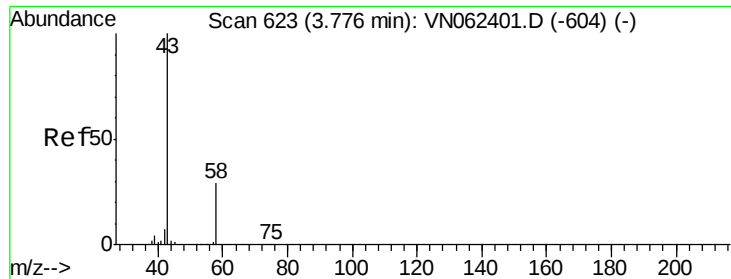
50 100

52 0.0 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VN062430.D (-1) (-)

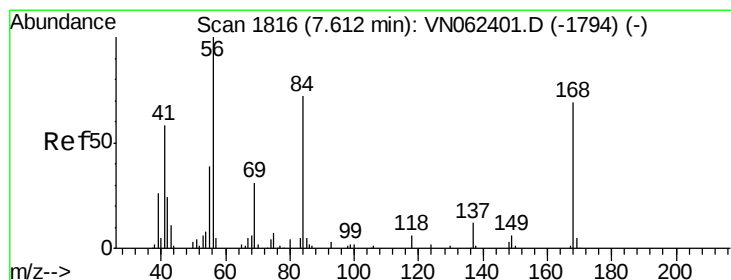
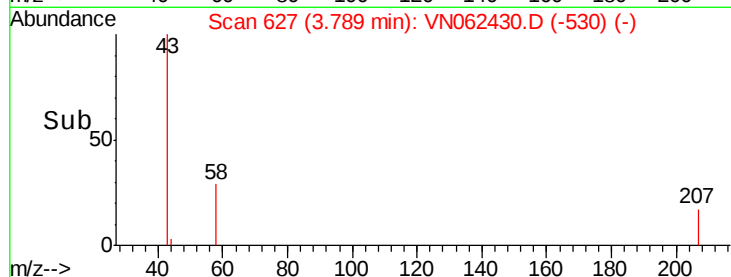
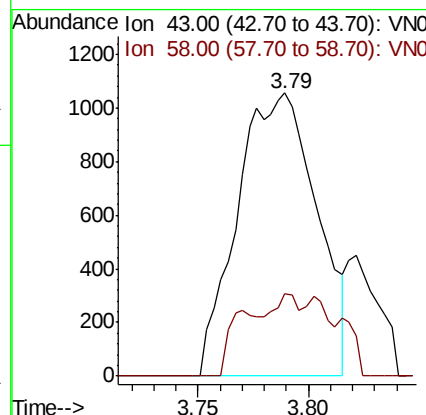
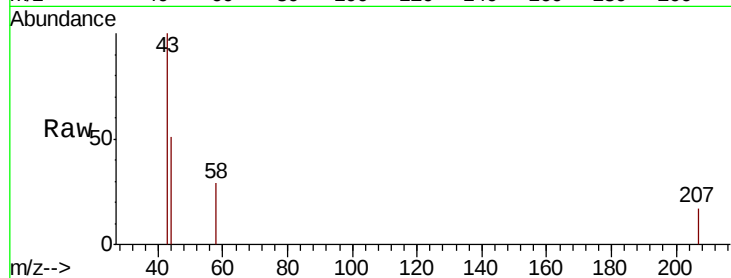




#16
Acetone
Concen: 2.232 ug/l
RT: 3.79 min Scan# 627
Delta R.T. 0.01 min
Lab File: VN062430.D
Acq: 9 Jul 2020 1:35

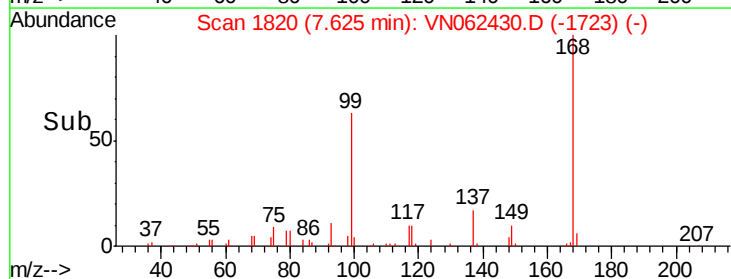
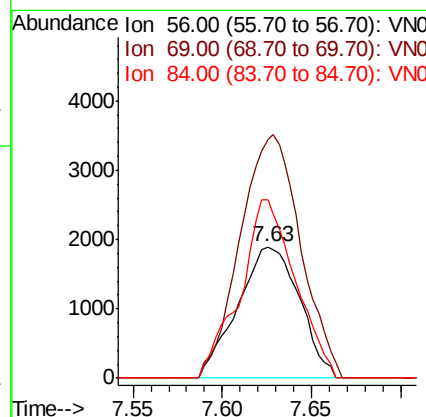
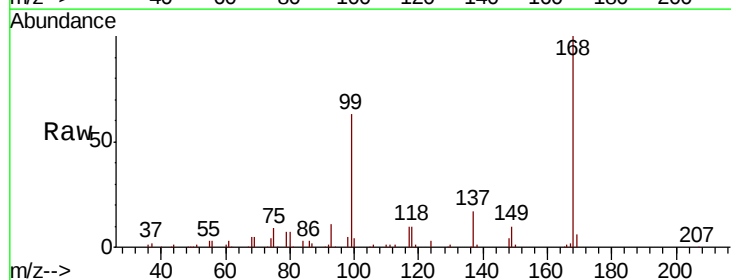
Instrument :
MSVOA_N
ClientSampleId :
MW-7

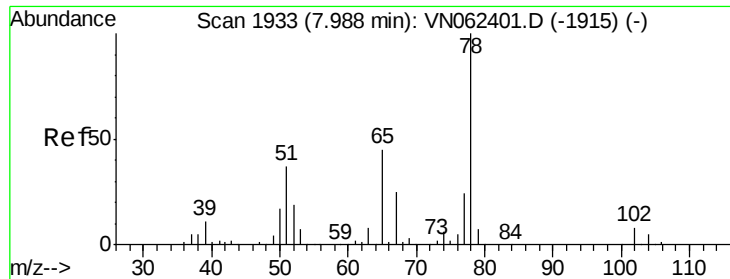
Tot Ion: 43 Resp: 2634
Ion Ratio Lower Upper
43 100
58 28.9 23.5 35.3



#31
Cyclohexane
Concen: 1.083 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062430.D
Acq: 9 Jul 2020 1:35

Tgt Ion: 56 Resp: 4572
Ion Ratio Lower Upper
56 100
69 182.0 24.5 36.7#
84 135.6 57.4 86.2#





#33

1,2-Dichloroethane-d4

Concen: 51.998 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062430.D

Acq: 9 Jul 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

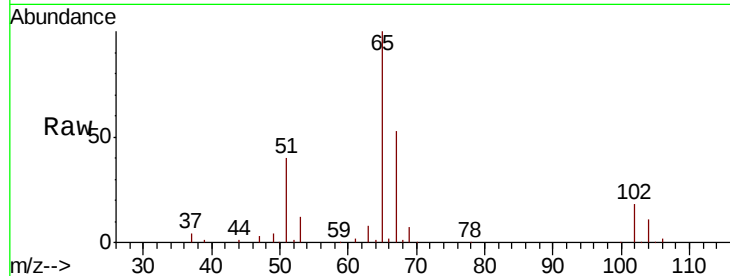
MW-7

Tot Ion: 65 Resp: 144516

Ion Ratio Lower Upper

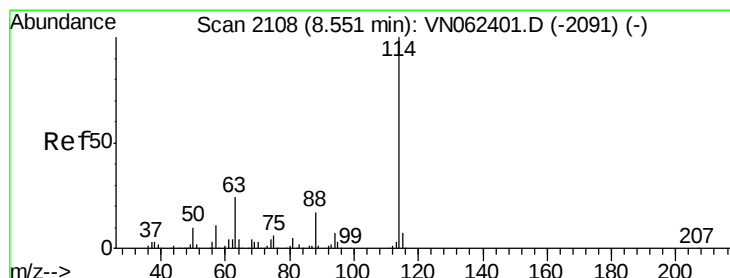
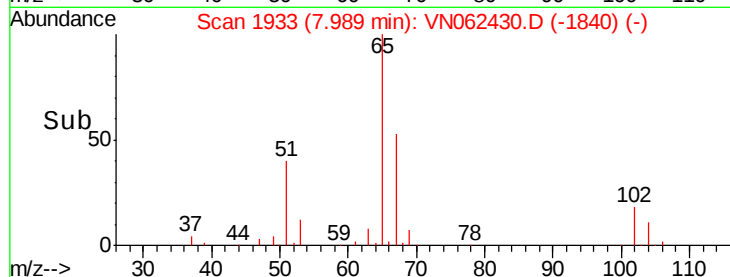
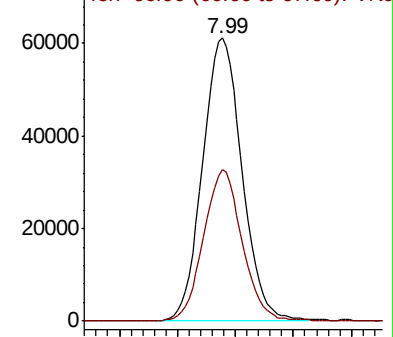
65 100

67 52.4 0.0 107.6



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: VN062430.D

Acq: 9 Jul 2020 1:35

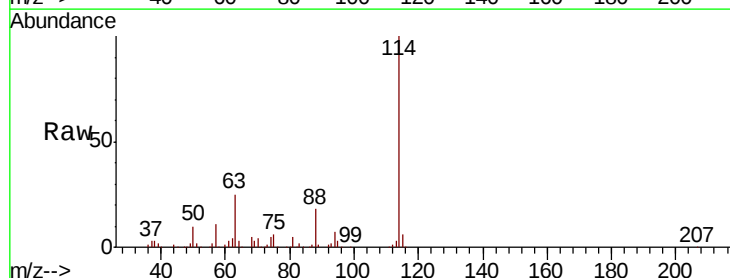
Tgt Ion: 114 Resp: 325866

Ion Ratio Lower Upper

114 100

63 24.9 0.0 48.4

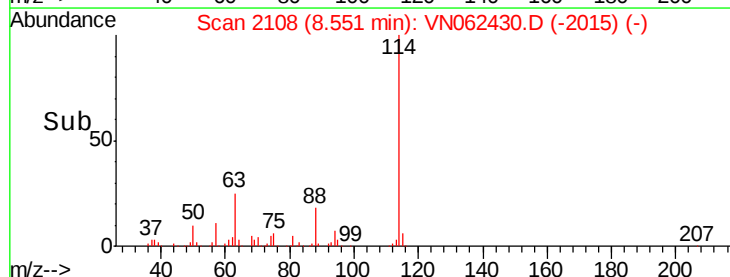
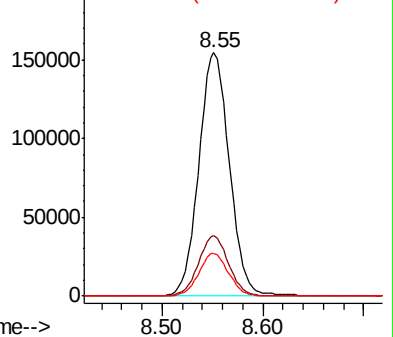
88 17.8 0.0 33.8

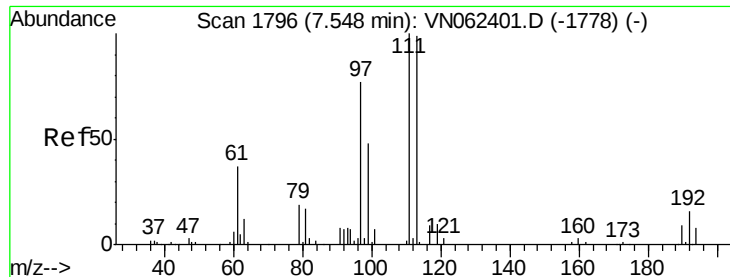


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

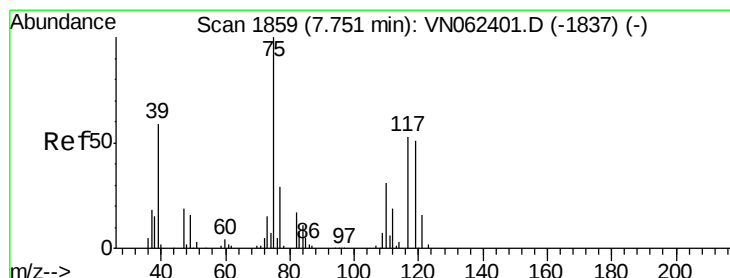
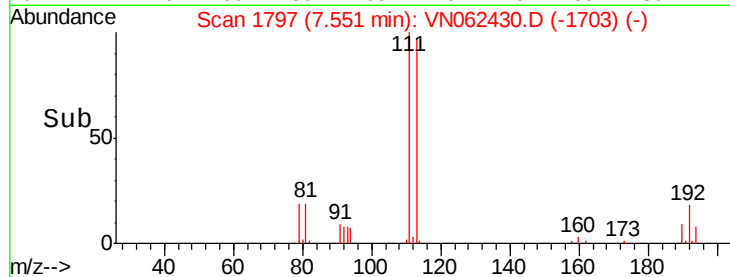
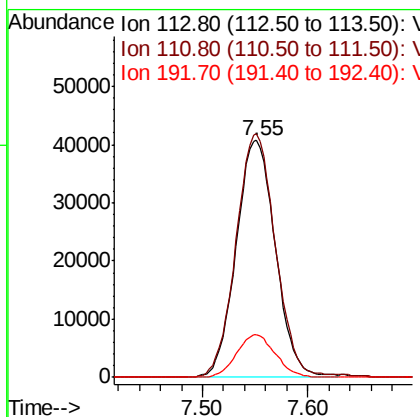
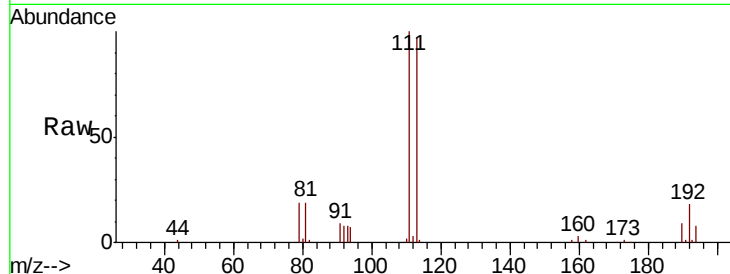




#35
 Dibromofluoromethane
 Concen: 52.366 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062430.D
 Acq: 9 Jul 2020 1:35

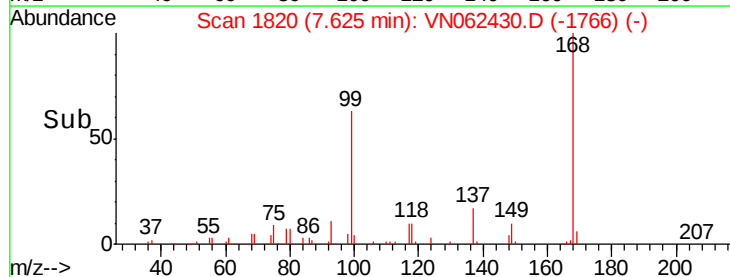
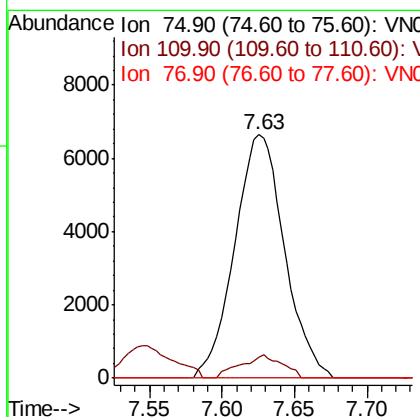
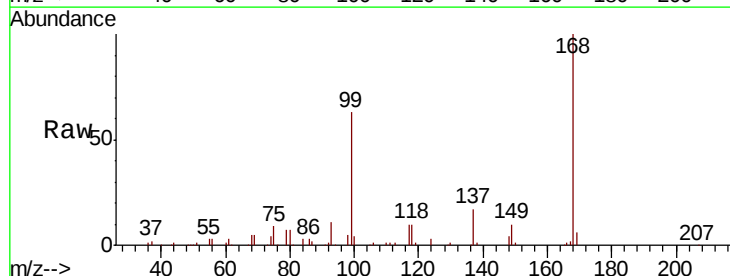
Instrument :
 MSVOA_N
 ClientSampled :
 MW-7

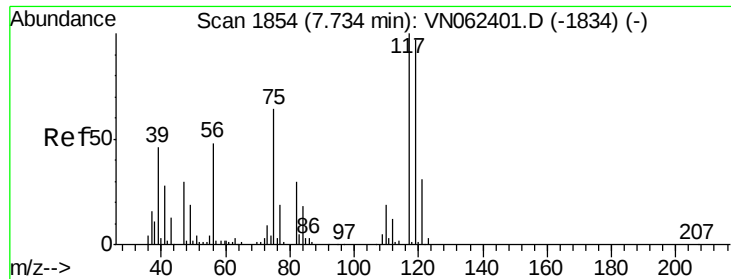
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.1	124.7
192	17.6	14.1	21.1



#36
 1,1-Dichloropropene
 Concen: 4.840 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062430.D
 Acq: 9 Jul 2020 1:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	15.4	46.2#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 6.522 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062430.D

Acq: 9 Jul 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

MW-7

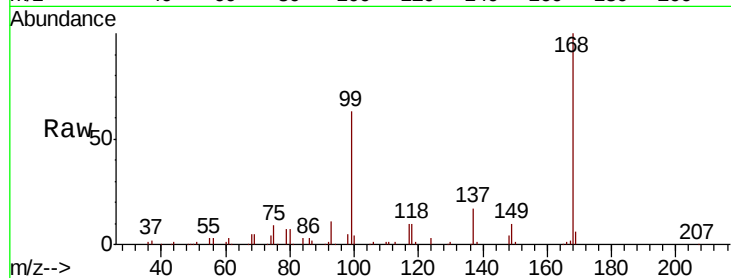
Tot Ion:117 Resp: 19249

Ion Ratio Lower Upper

117 100

119 5.4 77.2 115.8#

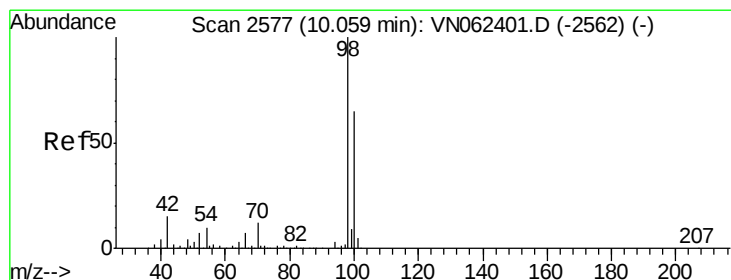
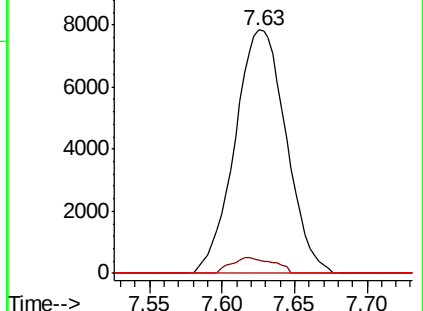
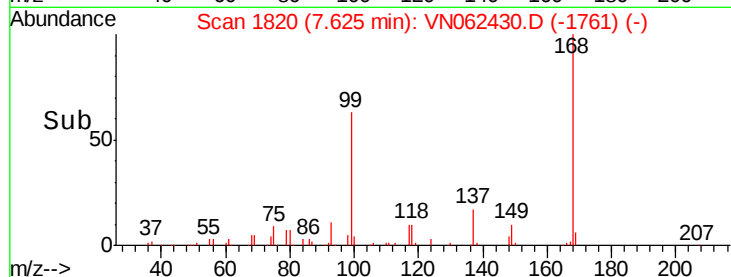
121 0.0 24.8 37.2#



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: 52.831 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062430.D

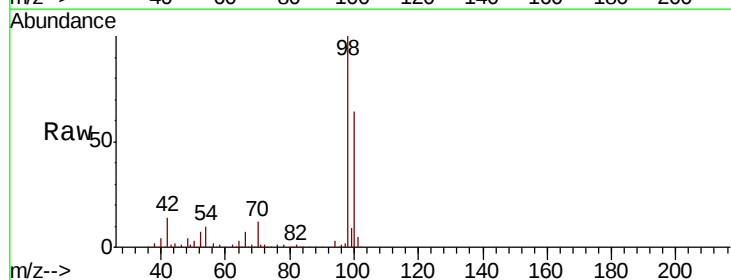
Acq: 9 Jul 2020 1:35

Tgt Ion: 98 Resp: 420102

Ion Ratio Lower Upper

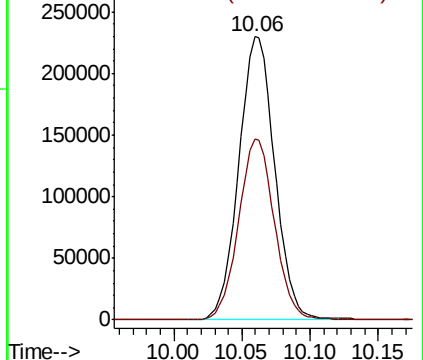
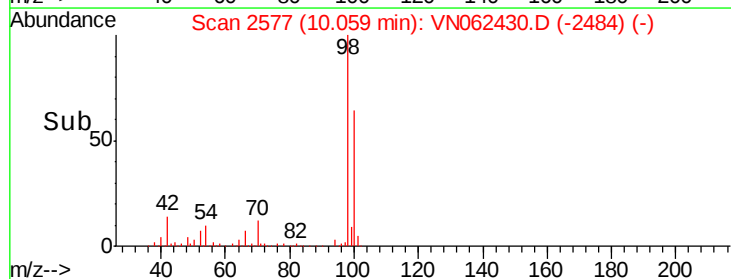
98 100

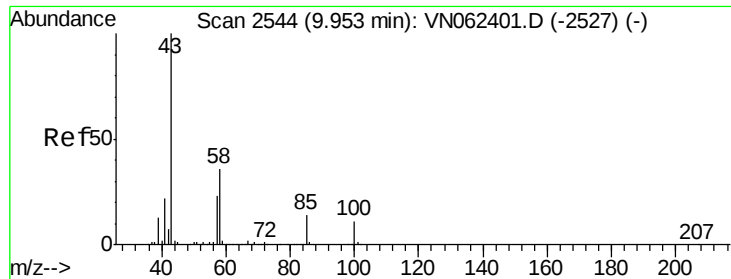
100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.590 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN062430.D

Acq: 9 Jul 2020 1:35

Instrument :

MSVOA_N

ClientSampled :

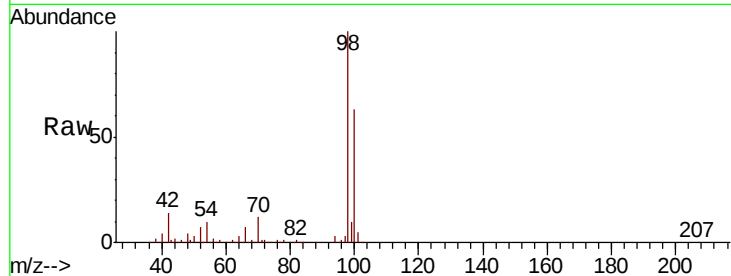
MW-7

Tot Ion: 43 Resp: 2138

Ion Ratio Lower Upper

43 100

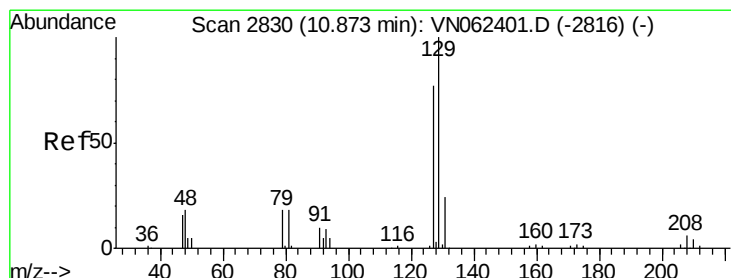
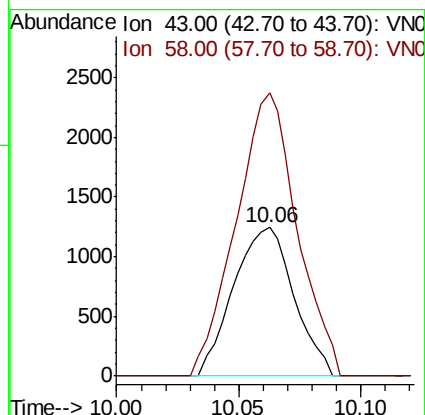
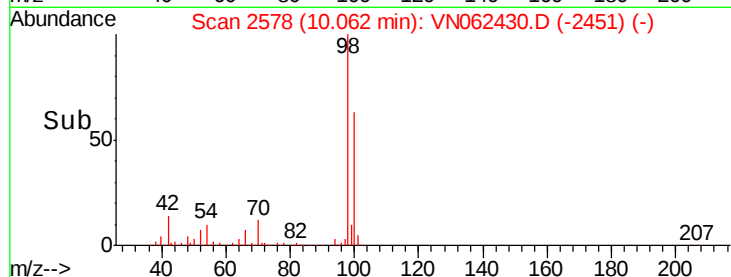
58 191.8 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN062430.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN062430.D (-2527) (-)

Time-->



#60

Dibromochloromethane

Concen: 0.219 ug/l

RT: 10.60 min Scan# 2745

Delta R.T. -0.27 min

Lab File: VN062430.D

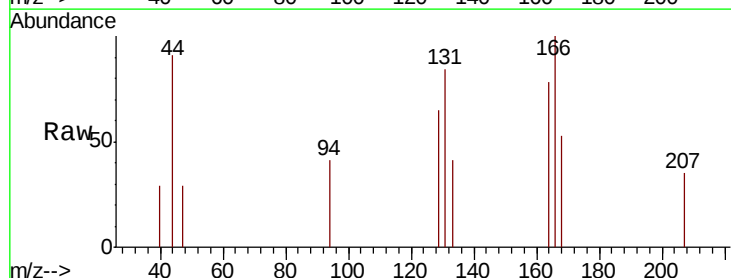
Acq: 9 Jul 2020 1:35

Tgt Ion: 129 Resp: 523

Ion Ratio Lower Upper

129 100

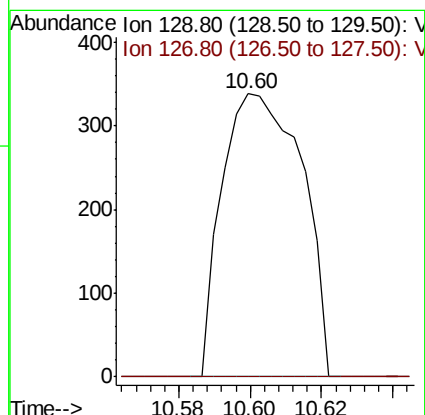
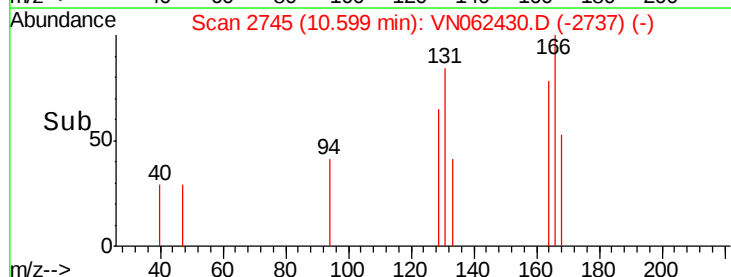
127 0.0 38.6 115.8#

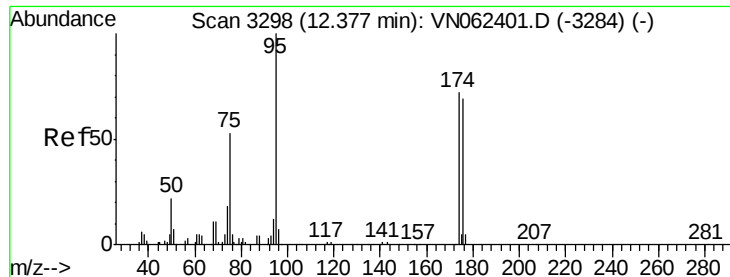


Abundance Ion 128.80 (128.50 to 129.50): VN062430.D (-2737) (-)

Ion 126.80 (126.50 to 127.50): VN062430.D (-2737) (-)

Time-->





#62

4-Bromofluorobenzene

Concen: 51.048 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062430.D

Acq: 9 Jul 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

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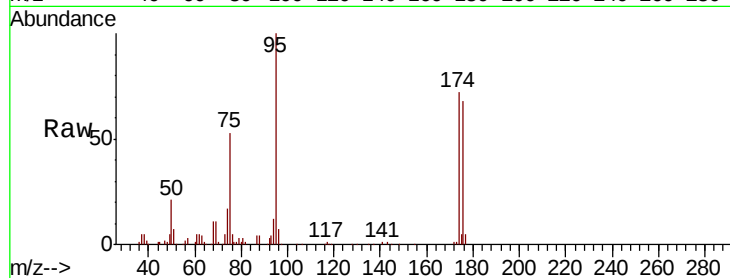
Tot Ion: 95 Resp: 148337

Ion Ratio Lower Upper

95 100

174 72.1 0.0 141.6

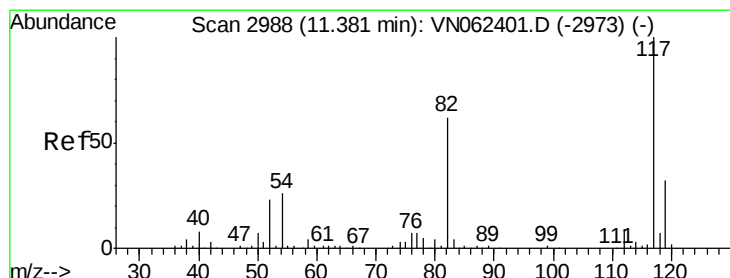
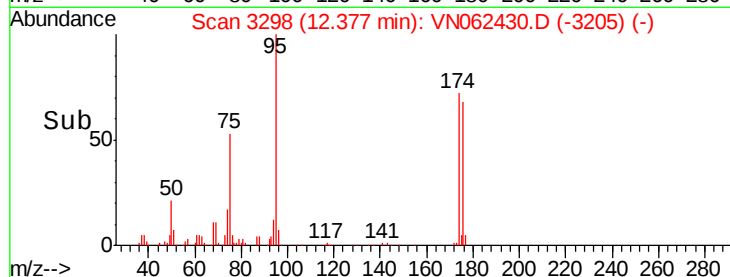
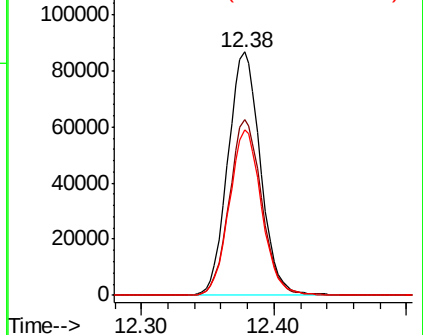
176 67.7 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062430.D (-2895) (-)

Ion 173.80 (173.50 to 174.50): VN062430.D (-2895) (-)

Ion 175.80 (175.50 to 176.50): VN062430.D (-2895) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062430.D

Acq: 9 Jul 2020 1:35

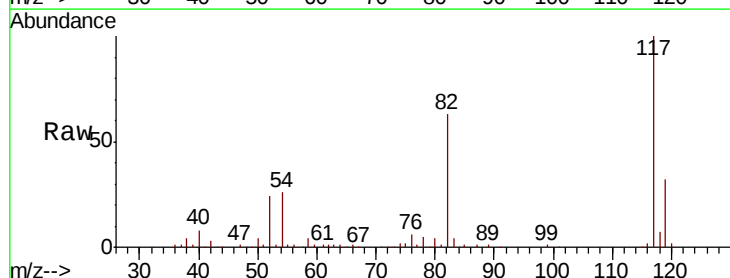
Tgt Ion: 117 Resp: 306978

Ion Ratio Lower Upper

117 100

82 62.6 49.6 74.4

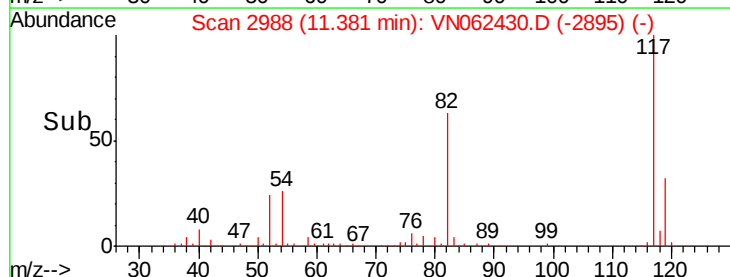
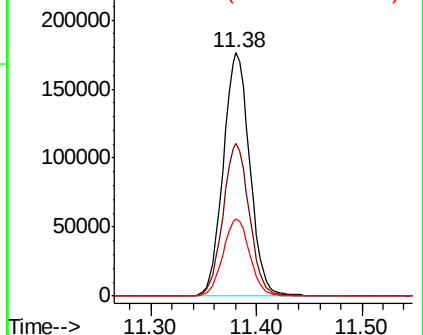
119 32.0 25.4 38.0

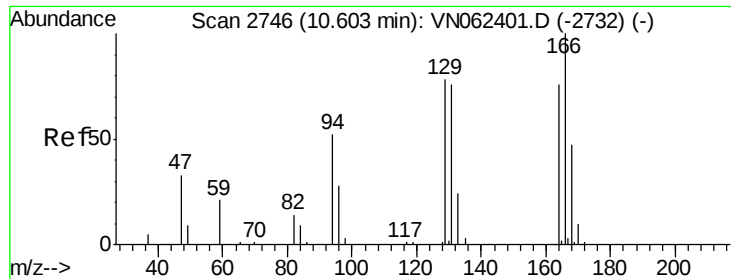


Abundance Ion 116.90 (116.60 to 117.60): VN062430.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062430.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062430.D (-2895) (-)





#64

Tetrachloroethene

Concen: 0.412 ug/l

RT: 10.61 min Scan# 2747

Delta R.T. 0.00 min

Lab File: VN062430.D

Acq: 9 Jul 2020 1:35

Instrument :

MSVOA_N

ClientSampled :

MW-7

Tot Ion:164 Resp: 751

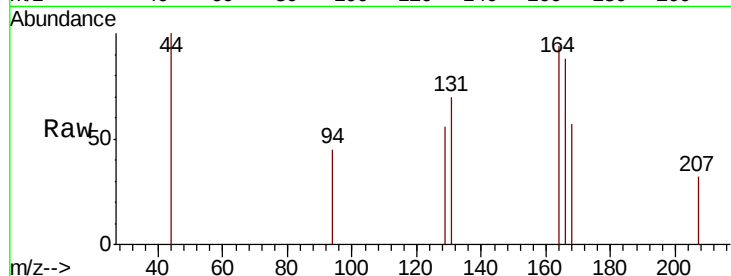
Ion Ratio Lower Upper

164 100

166 93.8 104.9 157.3#

129 59.2 81.8 122.6#

131 74.8 79.3 118.9#



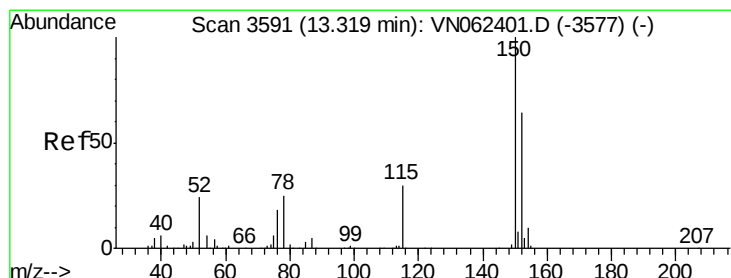
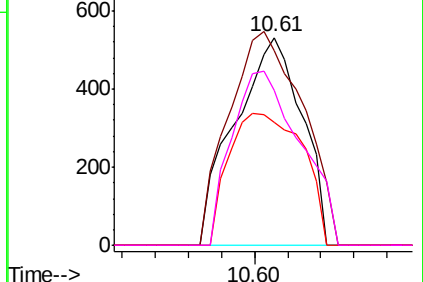
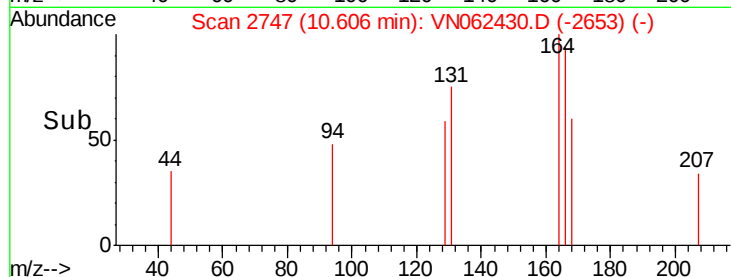
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062430.D

Acq: 9 Jul 2020 1:35

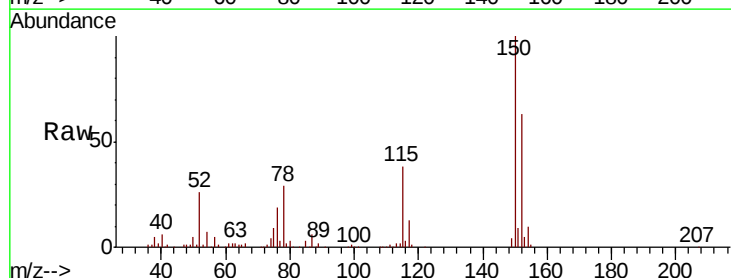
Tgt Ion:152 Resp: 110253

Ion Ratio Lower Upper

152 100

115 62.8 31.4 94.2

150 158.9 0.0 347.4

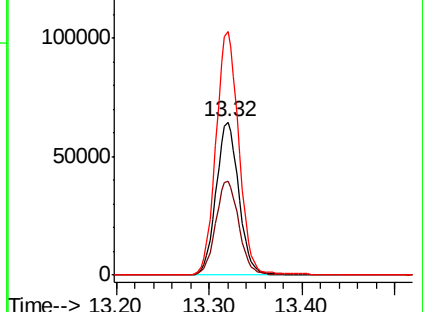
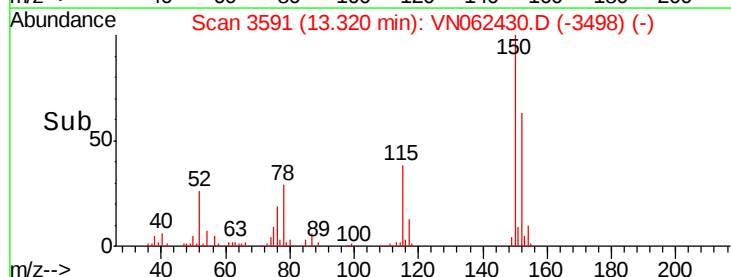


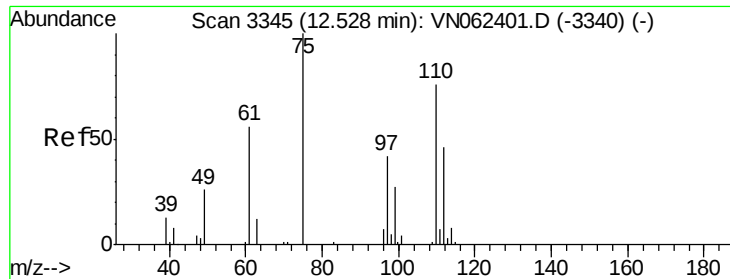
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->





#76

1,2,3-Trichloropropane

Concen: 28.891 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062430.D

Acq: 9 Jul 2020 1:35

Instrument :

MSVOA_N

ClientSampled :

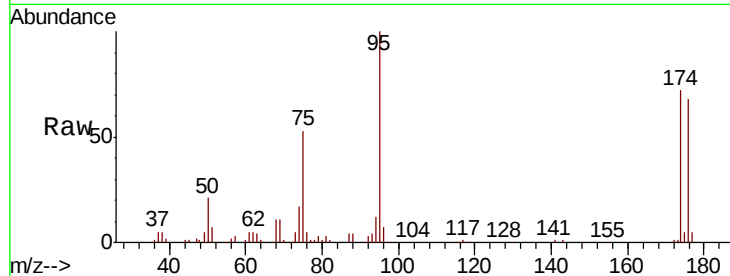
MW-7

Tot Ion: 75 Resp: 78156

Ion Ratio Lower Upper

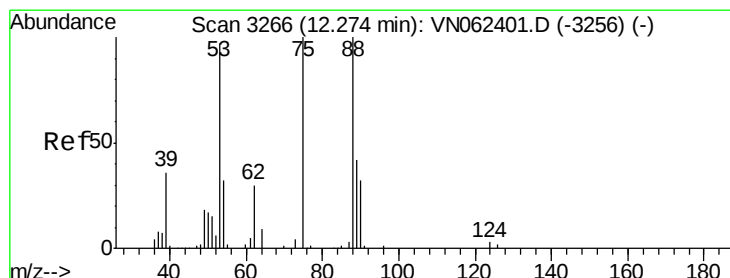
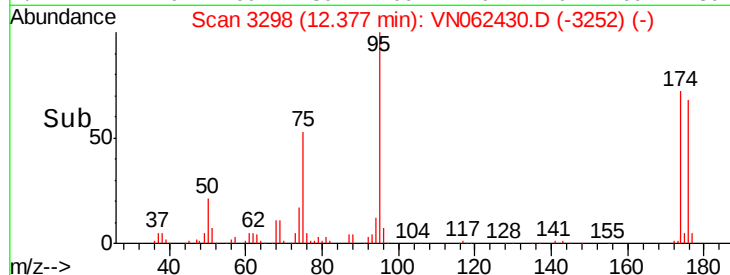
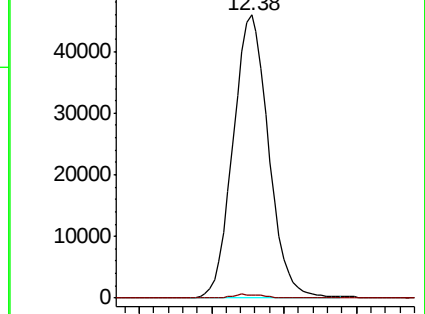
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062430.D (-3298) (-)

Ion 77.00 (76.70 to 77.70): VN062430.D (-3298) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 77.328 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062430.D

Acq: 9 Jul 2020 1:35

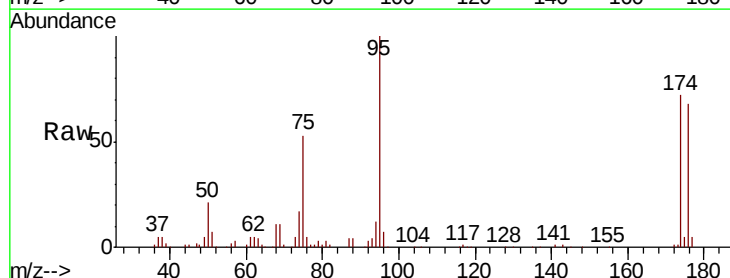
Tgt Ion: 75 Resp: 78156

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062430.D (-3298) (-)

Ion 53.00 (52.70 to 53.70): VN062430.D (-3298) (-)

Ion 88.90 (88.60 to 89.60): VN062430.D (-3298) (-)

