

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062417.D
 Acq On : 8 Jul 2020 19:27
 Operator : JC/MD
 Sample : L3215-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-17

Quant Time: Jul 09 02:23:44 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	178657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	316316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	305015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	108926	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	140890	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	7.55	113	104578	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	10.06	98	413997	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.38	95	146036	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	

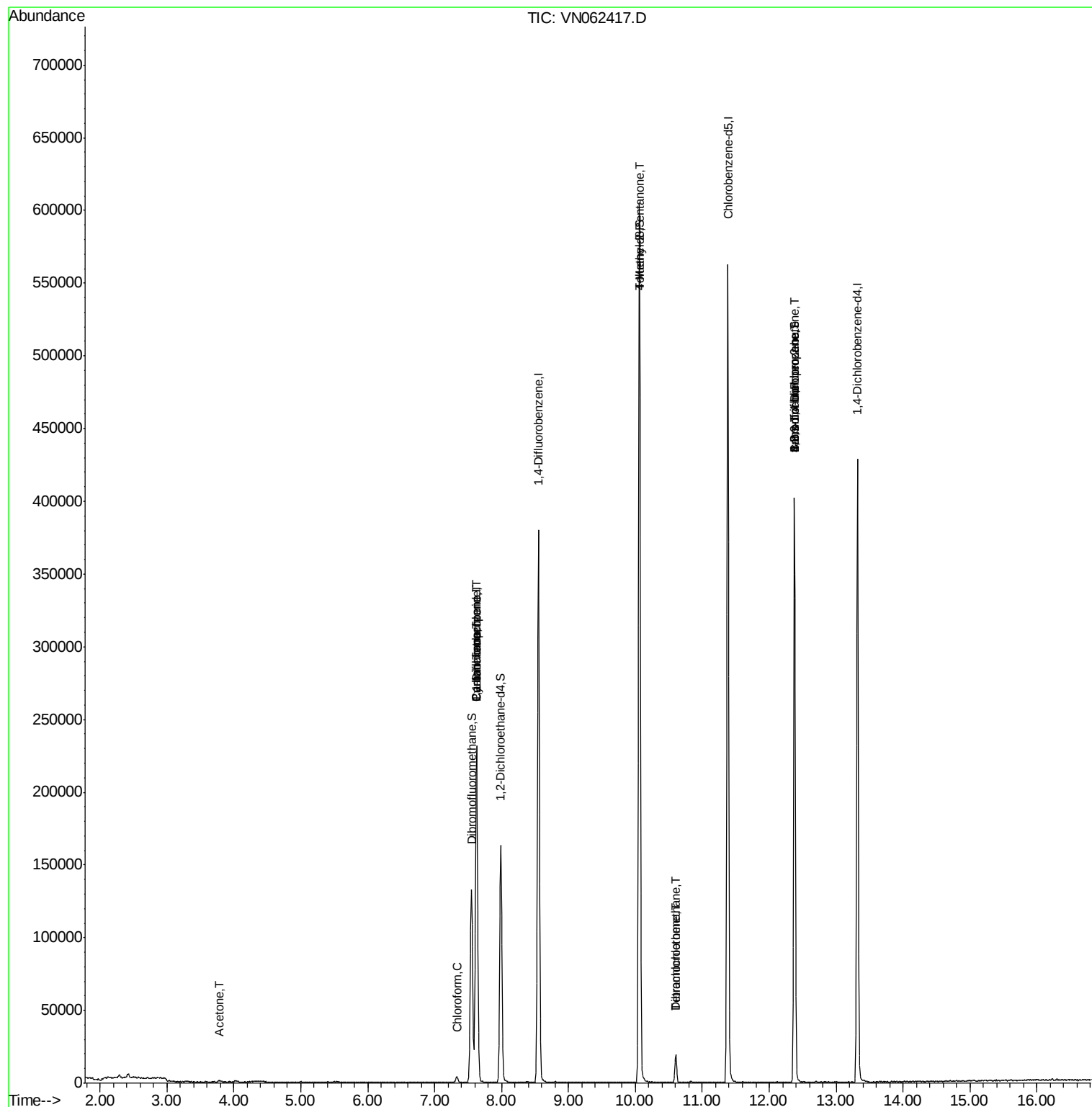
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	1139	0.976	ug/l	94
30) Chloroform	7.33	83	4440	1.117	ug/l	95
31) Cyclohexane	7.63	56	4609	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	15868	4.979	ug/l #	51
38) Carbon Tetrachloride	7.63	117	18331	6.398	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	2248	0.639	ug/l #	1
60) Dibromochloromethane	10.60	129	4416	1.909	ug/l #	11
64) Tetrachloroethene	10.61	164	4577	2.529	ug/l	87
71) Bromoform	12.37	173	603	0.376	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	79039	29.573	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	79039	79.155	ug/l #	10

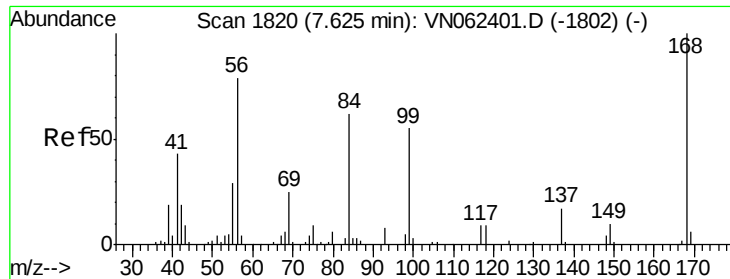
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 09 02:12:34 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: VN062417.D

Acq: 8 Jul 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

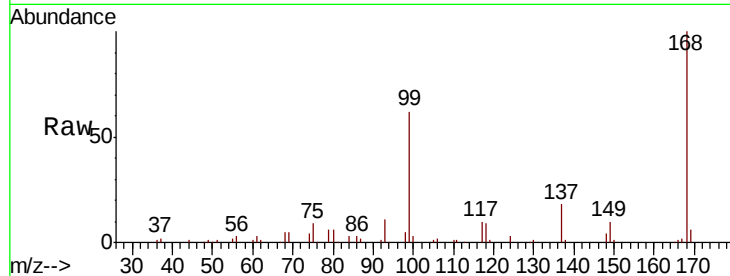
MW-17

Tot Ion:168 Resp: 178657

Ion Ratio Lower Upper

168 100

99 62.0 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

40000

20000

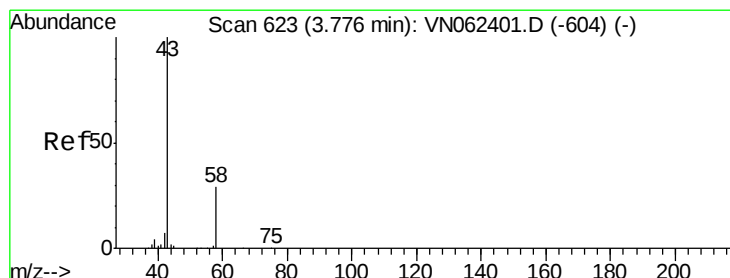
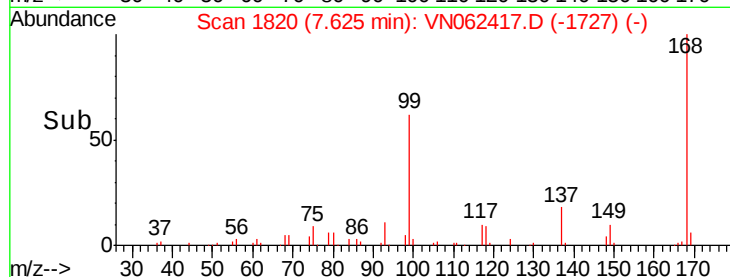
0

Time-->

7.50

7.60

7.70



#16

Acetone

Concen: 0.976 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062417.D

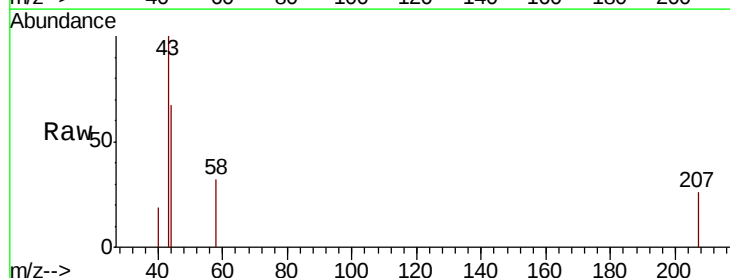
Acq: 8 Jul 2020 19:27

Tgt Ion: 43 Resp: 1139

Ion Ratio Lower Upper

43 100

58 32.4 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

800

600

400

200

0

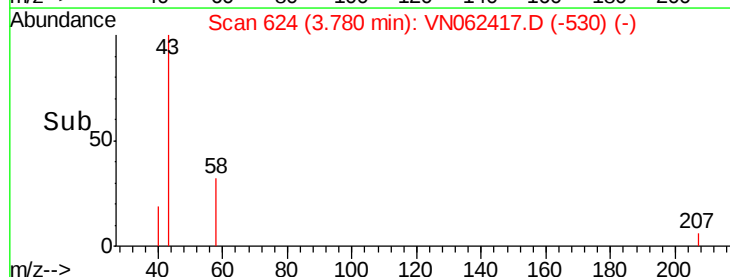
Time-->

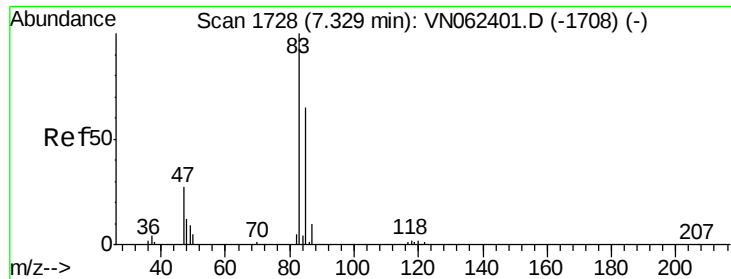
3.74

3.76

3.78

3.80

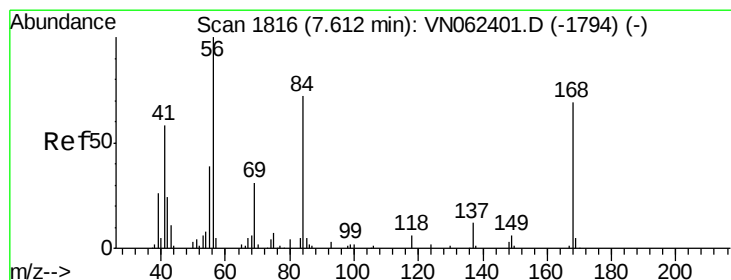
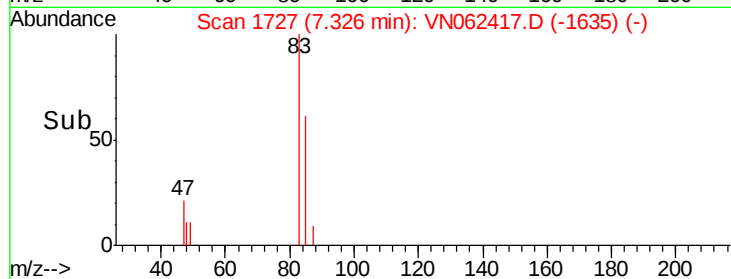
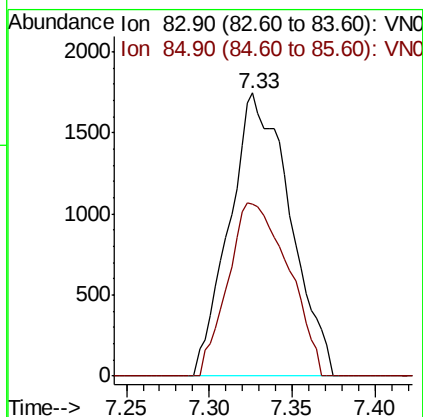
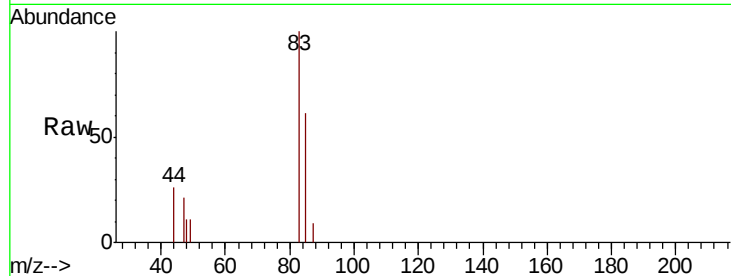




#30
Chloroform
Concen: 1.117 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062417.D
Acq: 8 Jul 2020 19:27

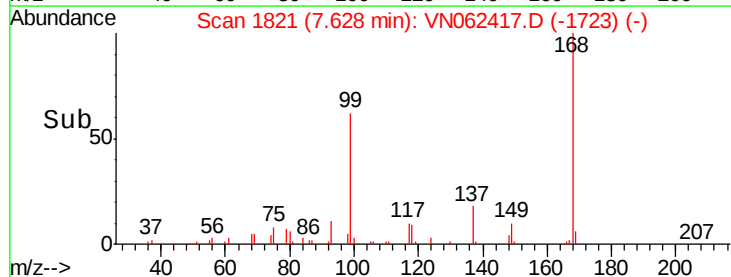
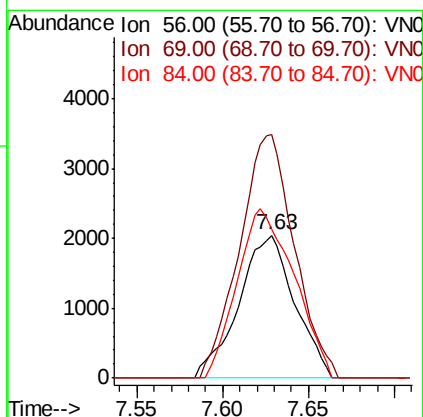
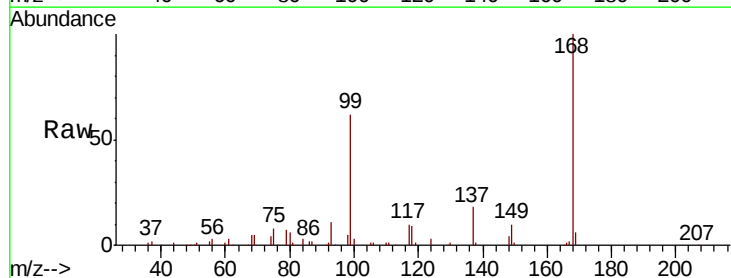
Instrument :
MSVOA_N
ClientSampleId :
MW-17

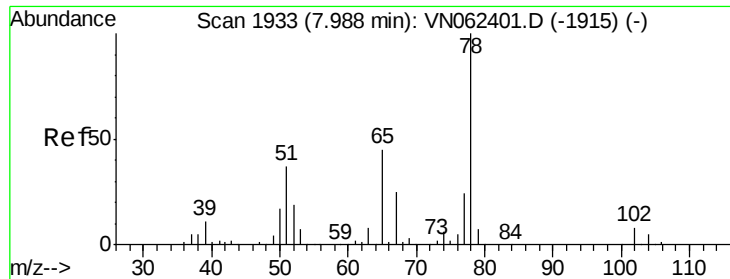
Tot Ion: 83 Resp: 4440
Ion Ratio Lower Upper
83 100
85 60.9 51.8 77.6



#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062417.D
Acq: 8 Jul 2020 19:27

Tgt Ion: 56 Resp: 4609
Ion Ratio Lower Upper
56 100
69 170.8 24.5 36.7#
84 104.3 57.4 86.2#

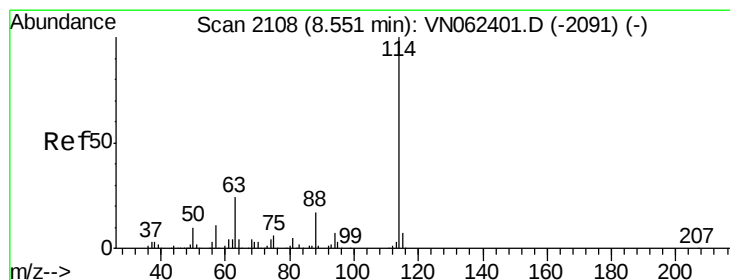
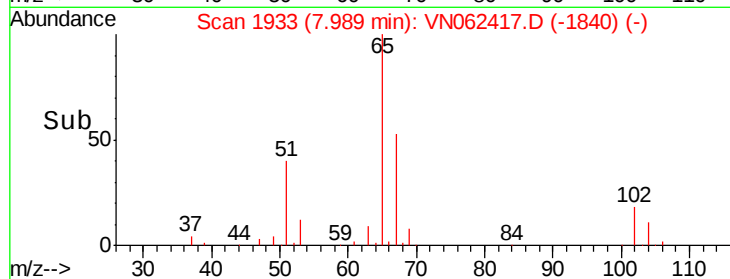
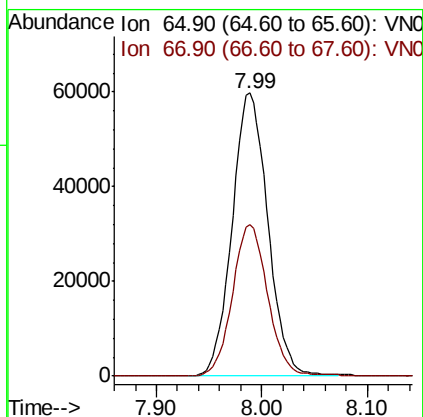
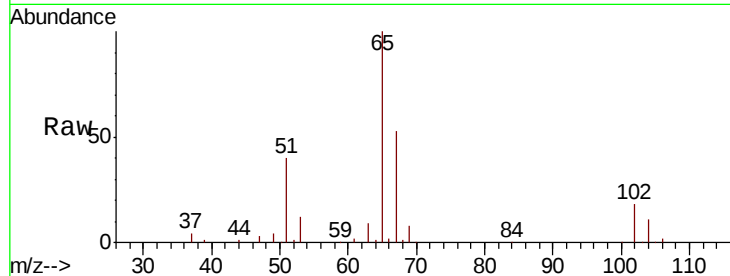




#33
 1,2-Dichloroethane-d4
 Concen: 51.271 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062417.D
 Acq: 8 Jul 2020 19:27

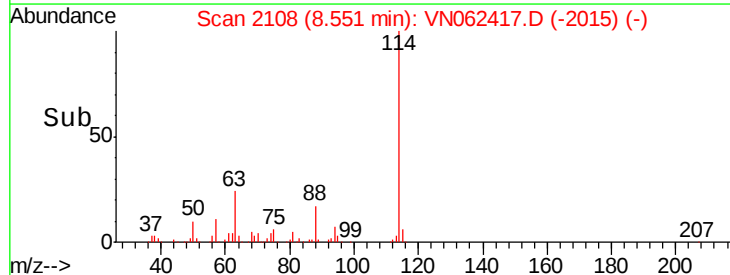
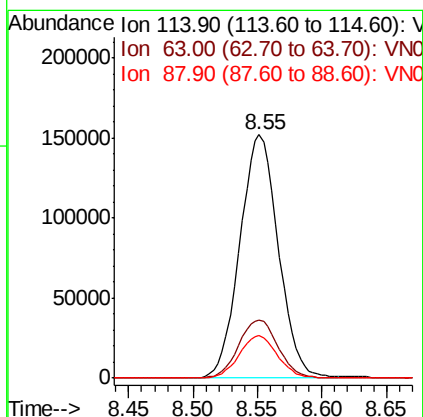
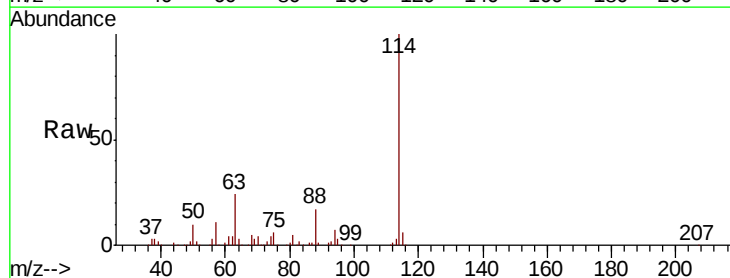
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-17

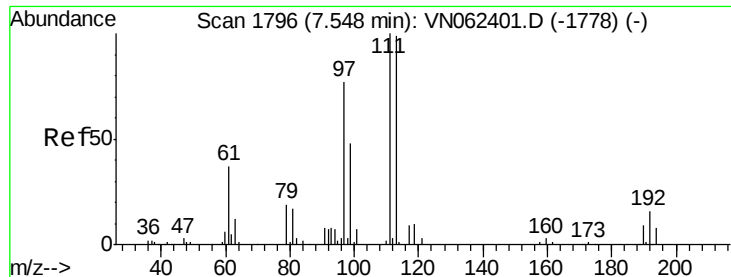
Tot Ion: 65 Resp: 140890
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062417.D
 Acq: 8 Jul 2020 19:27

Tgt Ion: 114 Resp: 316316
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.4
 88 17.3 0.0 33.8

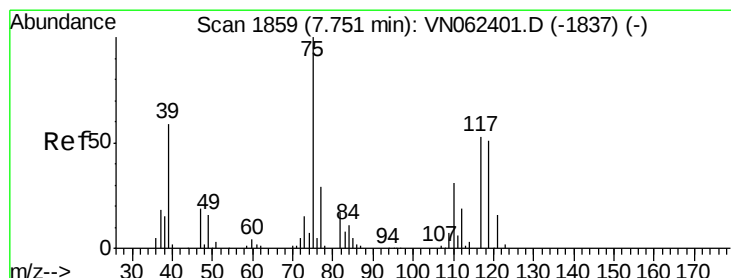
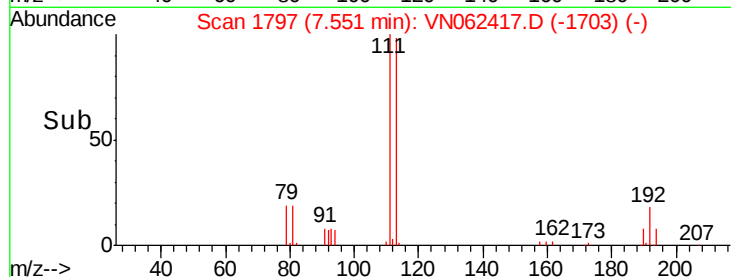
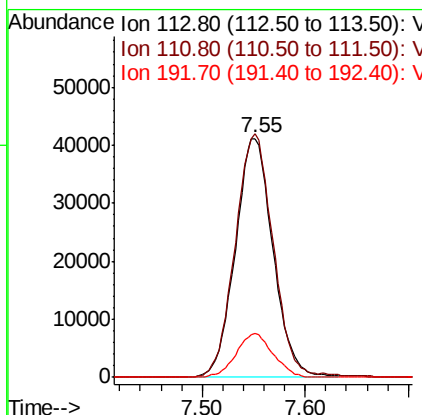
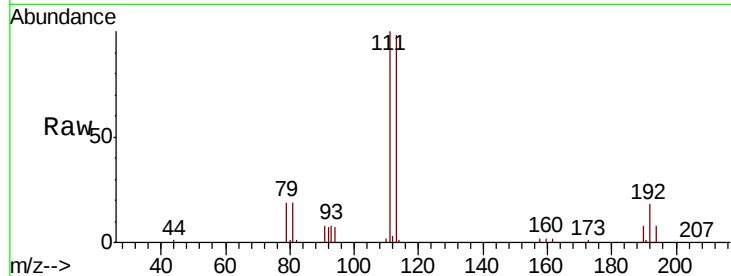




#35
 Dibromofluoromethane
 Concen: 53.485 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062417.D
 Acq: 8 Jul 2020 19:27

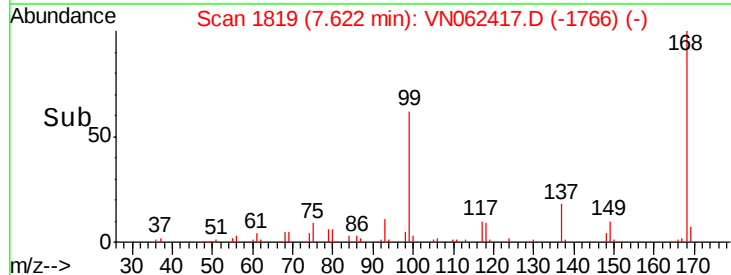
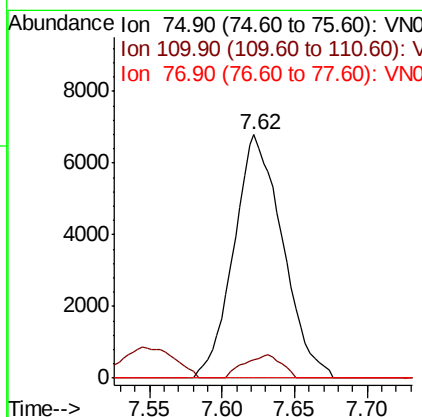
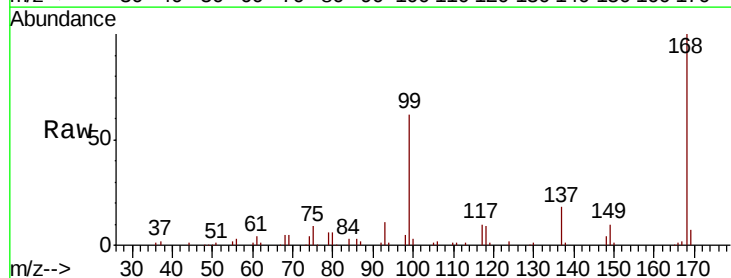
Instrument :
 MSVOA_N
 ClientSampled :
 MW-17

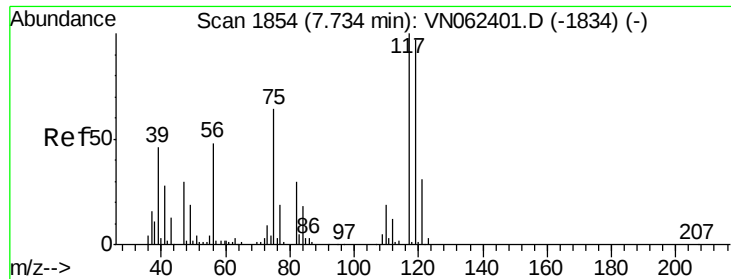
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.1	124.7
192	17.9	14.1	21.1



#36
 1,1-Dichloropropene
 Concen: 4.979 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062417.D
 Acq: 8 Jul 2020 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	15.4	46.2#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 6.398 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062417.D

Acq: 8 Jul 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

MW-17

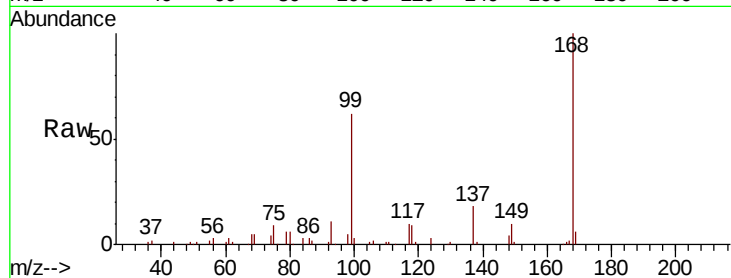
Tot Ion:117 Resp: 18331

Ion Ratio Lower Upper

117 100

119 5.8 77.2 115.8#

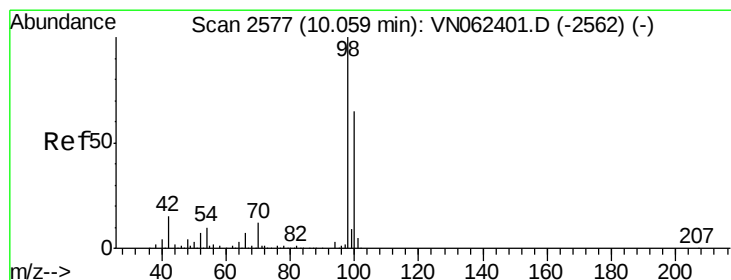
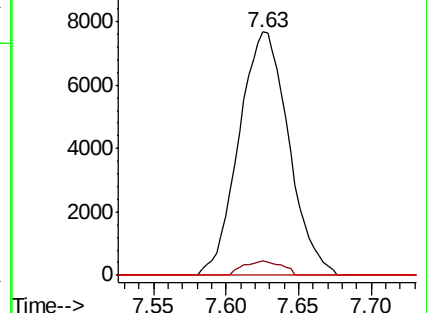
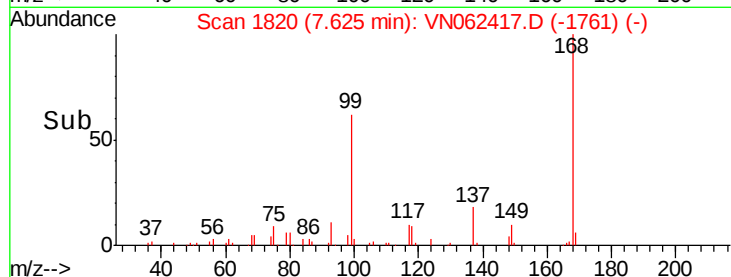
121 0.0 24.8 37.2#



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: 53.635 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062417.D

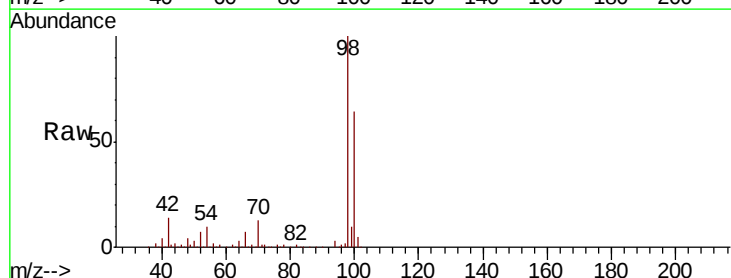
Acq: 8 Jul 2020 19:27

Tgt Ion: 98 Resp: 413997

Ion Ratio Lower Upper

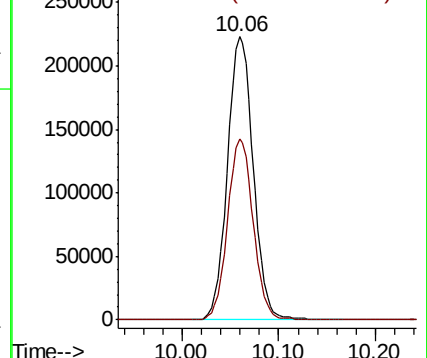
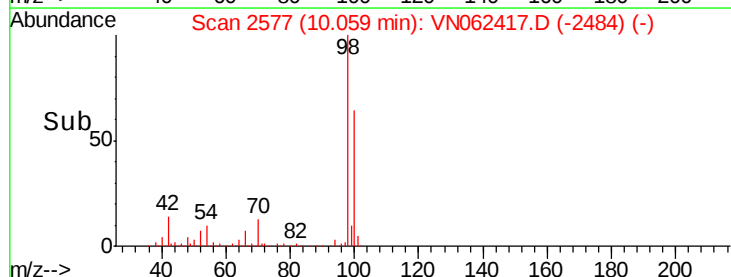
98 100

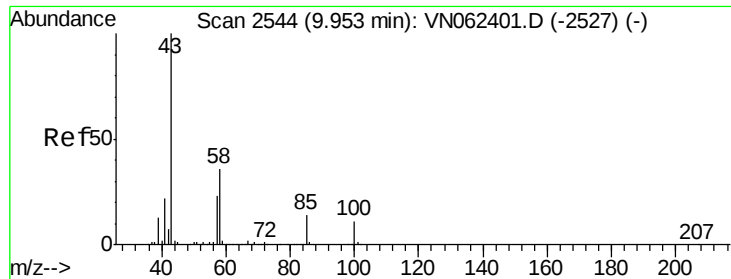
100 63.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.639 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062417.D

Acq: 8 Jul 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

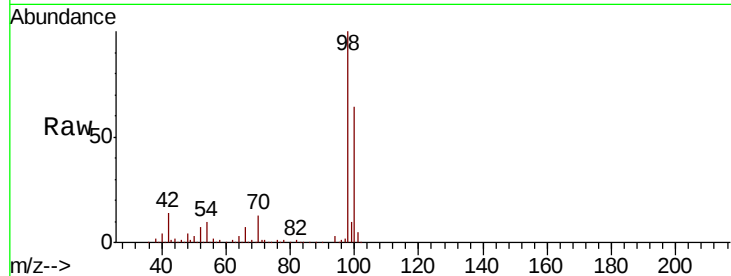
MW-17

Tot Ion: 43 Resp: 2248

Ion Ratio Lower Upper

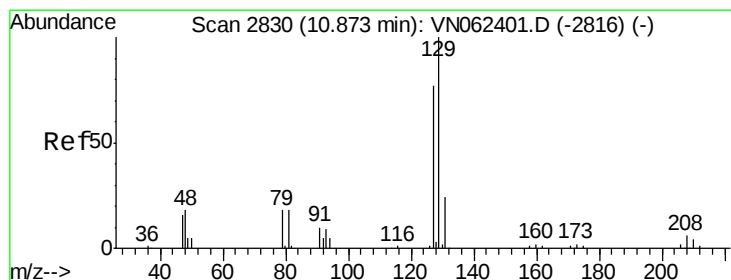
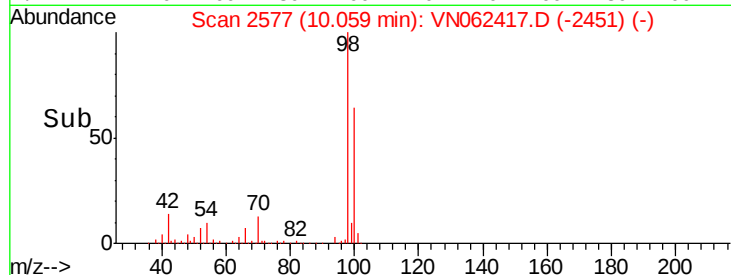
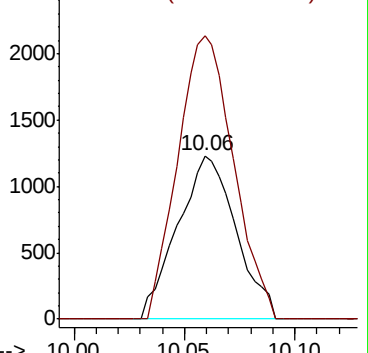
43 100

58 166.0 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN062401.D (-2527) (-)



#60

Dibromochloromethane

Concen: 1.909 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.27 min

Lab File: VN062417.D

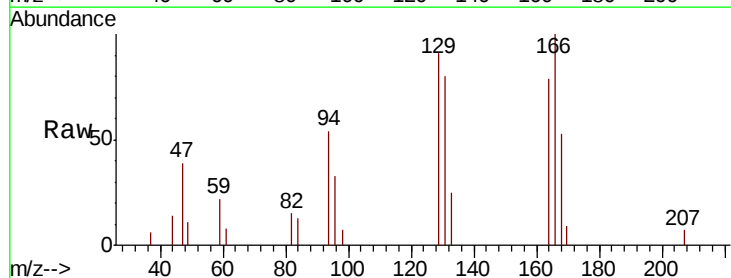
Acq: 8 Jul 2020 19:27

Tgt Ion: 129 Resp: 4416

Ion Ratio Lower Upper

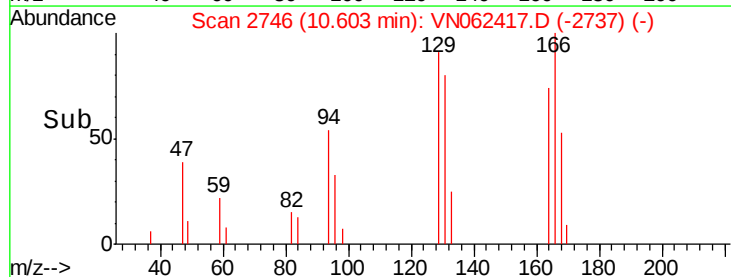
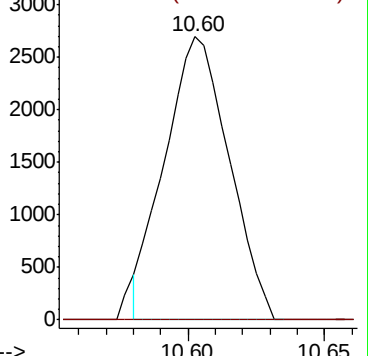
129 100

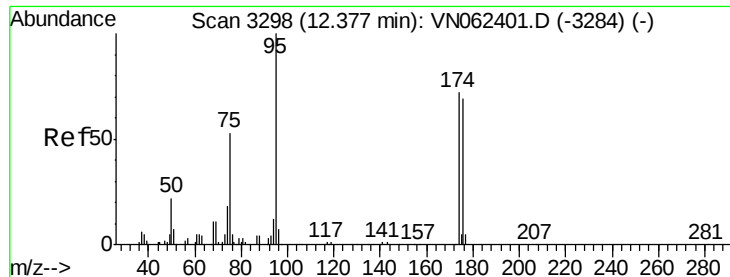
127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): VN062401.D (-2816) (-)

Ion 126.80 (126.50 to 127.50): VN062401.D (-2816) (-)





#62

4-Bromofluorobenzene

Concen: 51.773 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062417.D

Acq: 8 Jul 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

MW-17

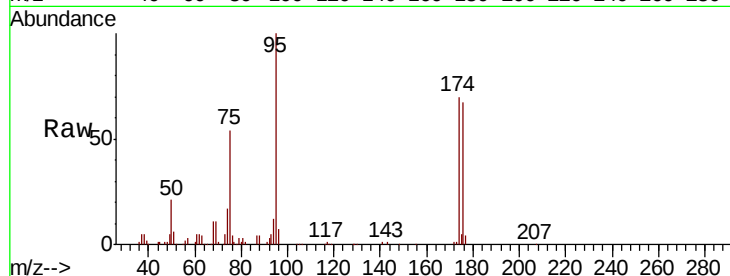
Tot Ion: 95 Resp: 146036

Ion Ratio Lower Upper

95 100

174 70.7 0.0 141.6

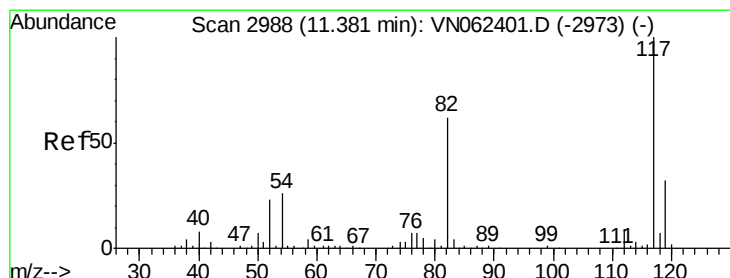
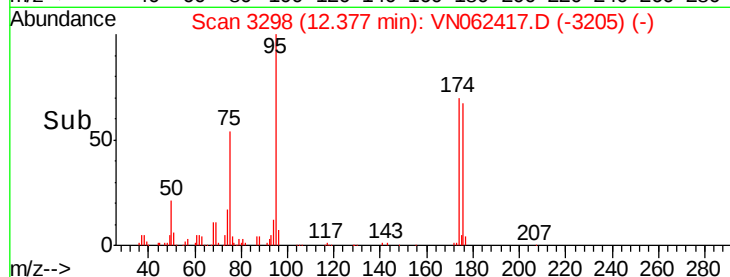
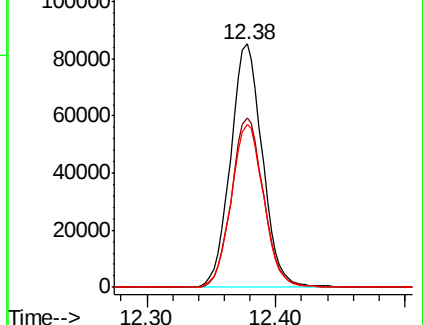
176 68.3 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062417.D (-3295) (-)

Ion 173.80 (173.50 to 174.50): VN062417.D (-3295) (-)

Ion 175.80 (175.50 to 176.50): VN062417.D (-3295) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062417.D

Acq: 8 Jul 2020 19:27

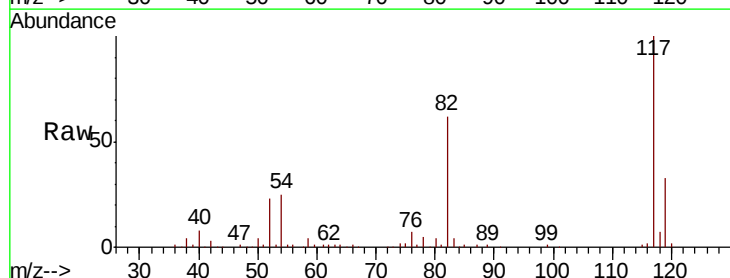
Tgt Ion: 117 Resp: 305015

Ion Ratio Lower Upper

117 100

82 62.1 49.6 74.4

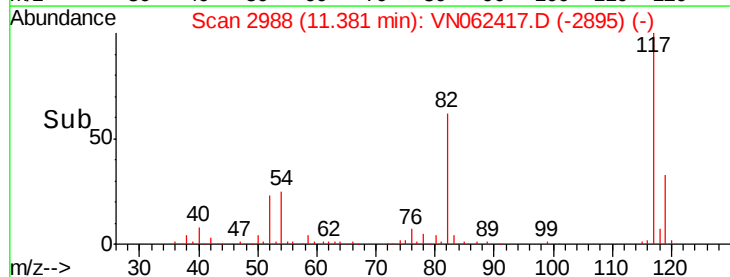
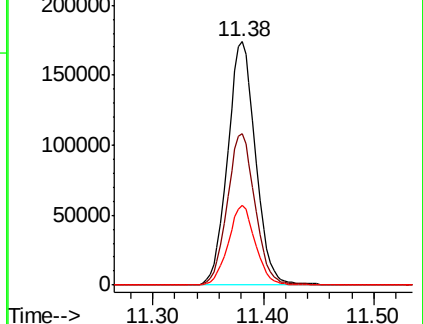
119 32.8 25.4 38.0

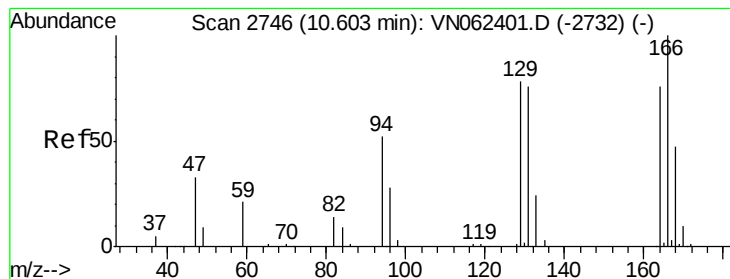


Abundance Ion 116.90 (116.60 to 117.60): VN062417.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062417.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062417.D (-2895) (-)





#64

Tetrachloroethene

Concen: 2.529 ug/l

RT: 10.61 min Scan# 2748

Delta R.T. 0.01 min

Lab File: VN062417.D

Acq: 8 Jul 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

MW-17

Tot Ion:164 Resp: 4577

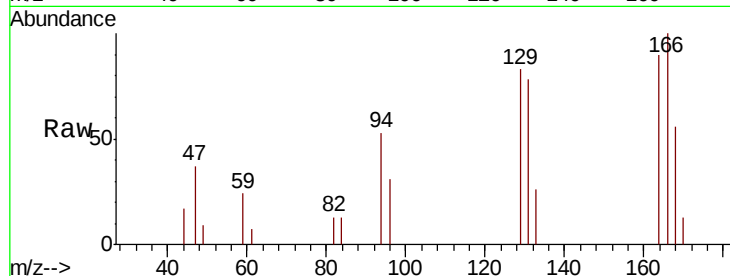
Ion Ratio Lower Upper

164 100

166 111.4 104.9 157.3

129 92.2 81.8 122.6

131 86.9 79.3 118.9

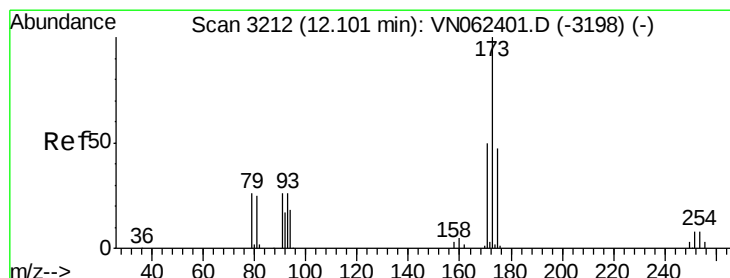
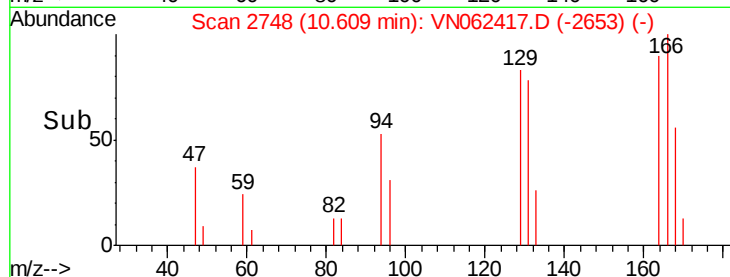
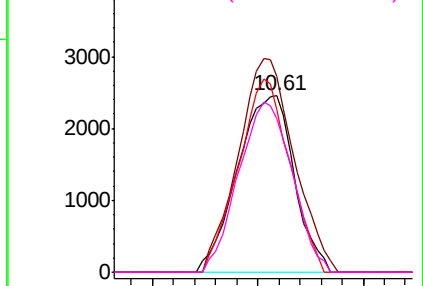


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 0.376 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062417.D

Acq: 8 Jul 2020 19:27

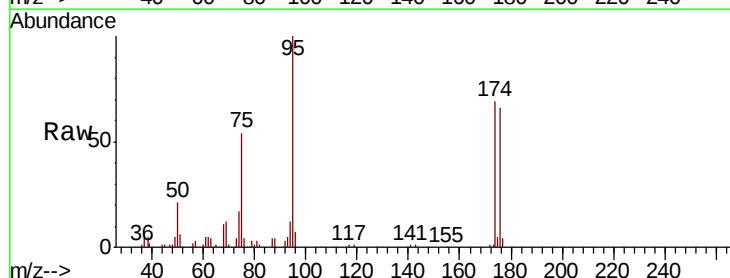
Tgt Ion:173 Resp: 603

Ion Ratio Lower Upper

173 100

175 1041.3 23.7 71.1#

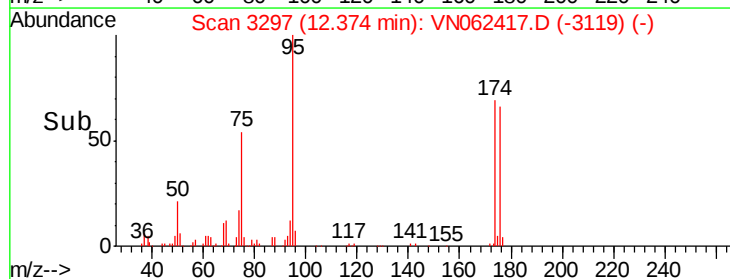
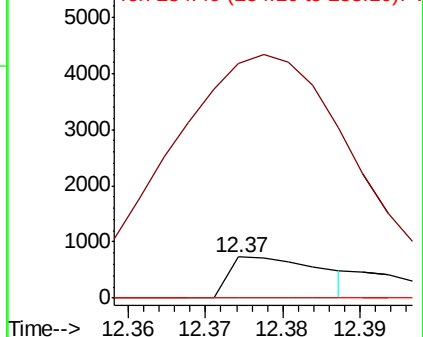
254 0.0 0.0 0.0

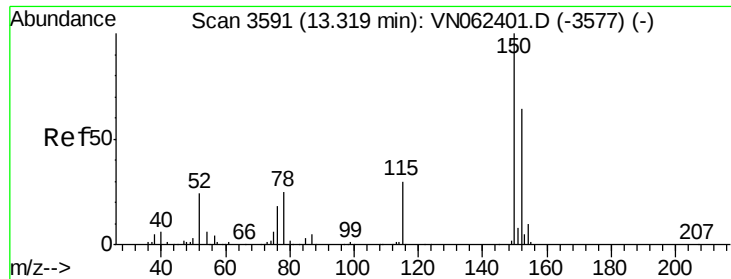


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN062417.D

Acq: 8 Jul 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

MW-17

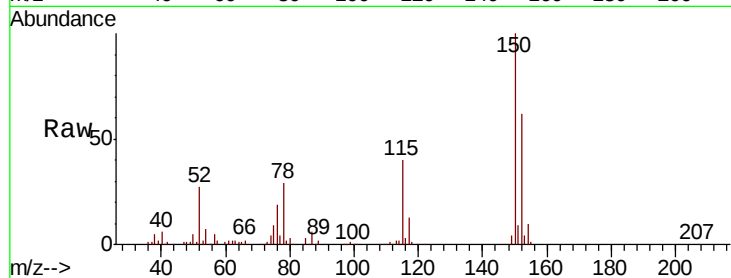
Tot Ion:152 Resp: 108926

Ion Ratio Lower Upper

152 100

115 62.6 31.4 94.2

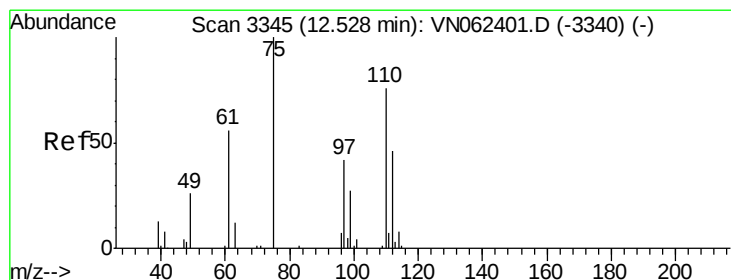
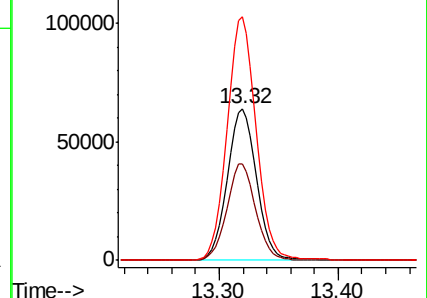
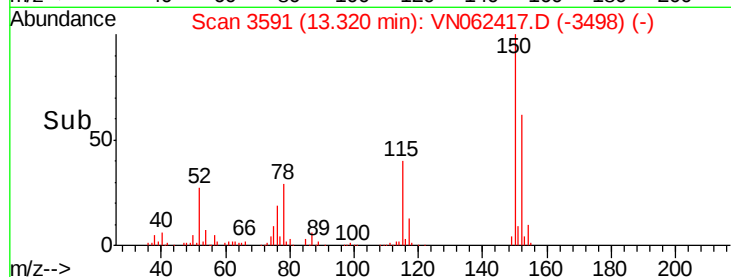
150 159.7 0.0 347.4



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



#76

1,2,3-Trichloropropane

Concen: 29.573 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062417.D

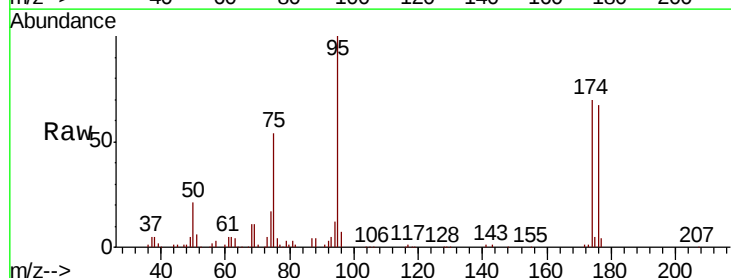
Acq: 8 Jul 2020 19:27

Tgt Ion: 75 Resp: 79039

Ion Ratio Lower Upper

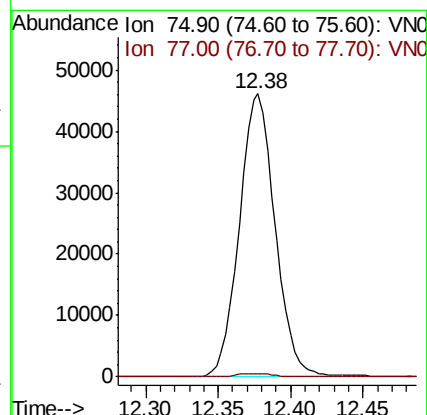
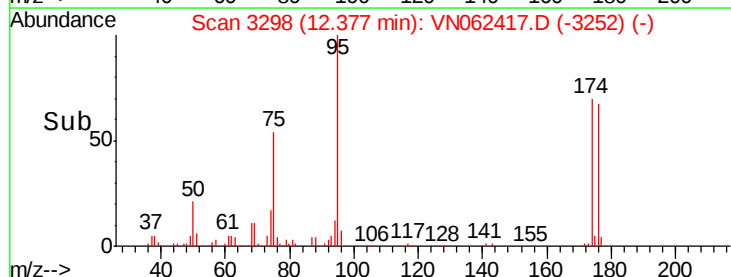
75 100

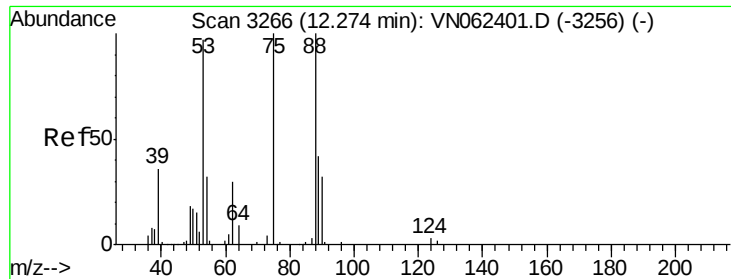
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.155 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062417.D

Acq: 8 Jul 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

MW-17

Tot Ion: 75 Resp: 79039

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

89 0.0 34.6 52.0#

