

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062435.D
 Acq On : 9 Jul 2020 3:35
 Operator : JC/MD
 Sample : L3215-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10D

Quant Time: Jul 09 04:11:02 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	184108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	327539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	314489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	115960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	142700	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	7.55	113	105445	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
50) Toluene-d8	10.06	98	423364	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.38	95	151034	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

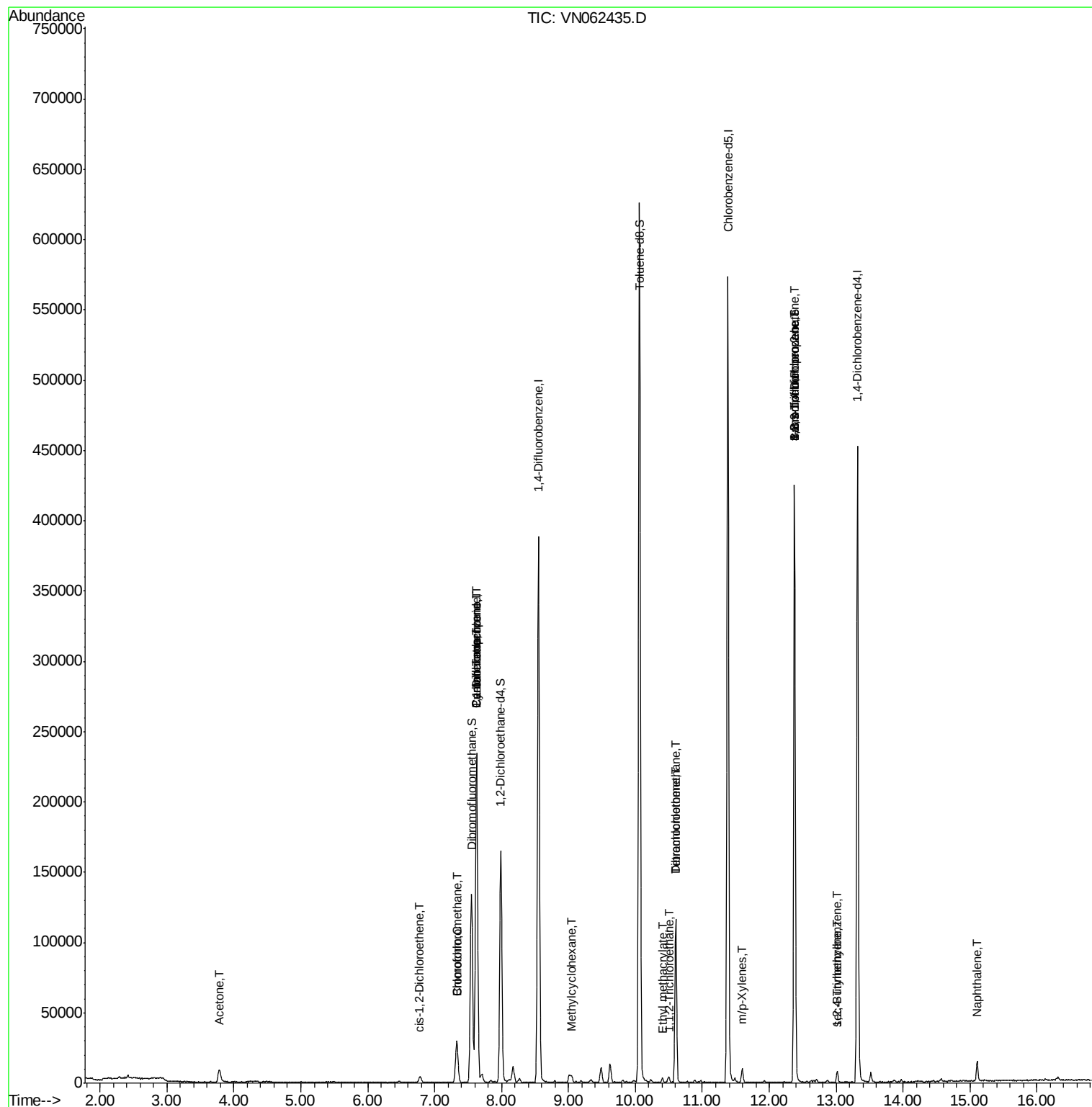
						Qvalue
16) Acetone	3.78	43	16778	13.955	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	3003	1.266	ug/l	82
28) Bromochloromethane	7.33	49	2811	1.140	ug/l #	24
30) Chloroform	7.33	83	31667	7.730	ug/l	96
31) Cyclohexane	7.62	56	4914	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	16360	4.958	ug/l #	51
38) Carbon Tetrachloride	7.63	117	18768	6.326	ug/l #	16
39) Methylcyclohexane	9.05	83	2424	0.688	ug/l #	81
55) 1,1,2-Trichloroethane	10.50	97	1014	0.459	ug/l #	14
56) Ethyl methacrylate	10.41	69	341	1.793	ug/l #	1
60) Dibromochloromethane	10.60	129	25374	10.592	ug/l #	11
64) Tetrachloroethene	10.61	164	25308	13.561	ug/l	98
68) m/p-Xylenes	11.60	106	3403	0.838	ug/l	98
71) Bromoform	12.38	173	1083	0.655	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	79979	28.110	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	79979	75.238	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.01	105	4983	0.682	ug/l	97
85) sec-Butylbenzene	13.01	105	4983	0.602	ug/l #	58
95) Naphthalene	15.11	128	12464	2.404	ug/l	98

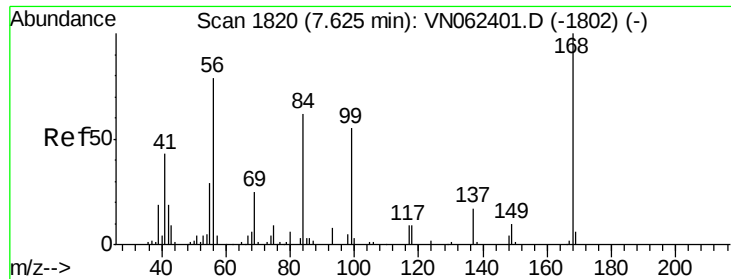
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1821

Delta R.T. 0.00 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

Instrument :

MSVOA_N

ClientSampled :

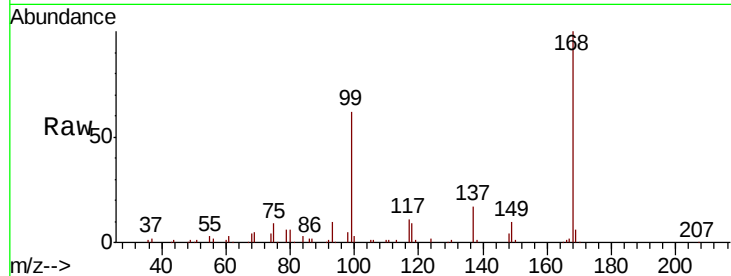
MW-10D

Tot Ion:168 Resp: 184108

Ion Ratio Lower Upper

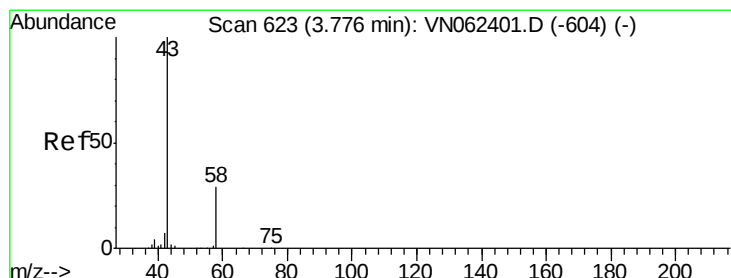
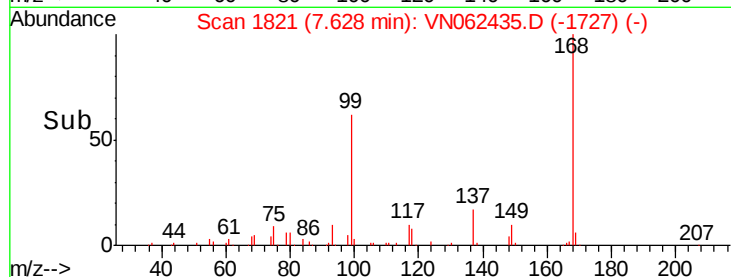
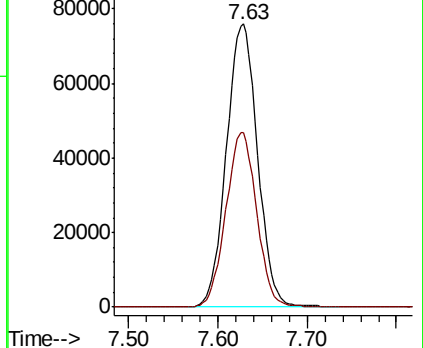
168 100

99 61.7 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 13.955 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062435.D

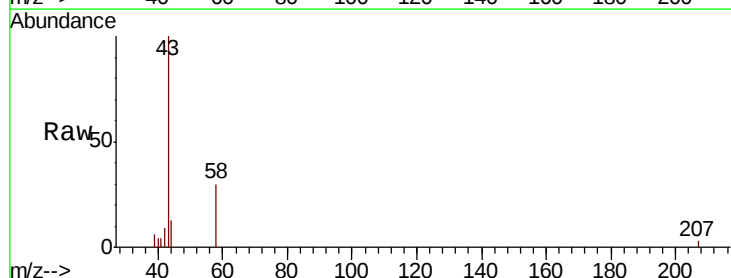
Acq: 9 Jul 2020 3:35

Tgt Ion: 43 Resp: 16778

Ion Ratio Lower Upper

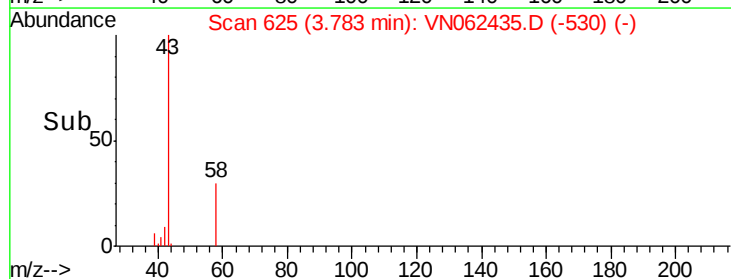
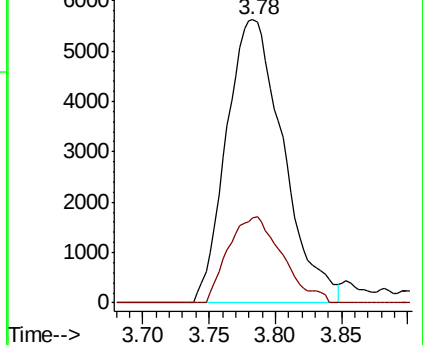
43 100

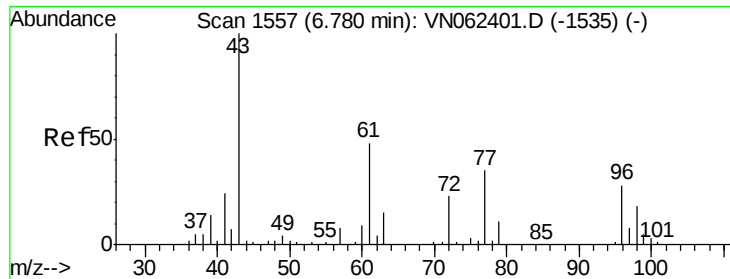
58 29.9 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#27

cis-1,2-Dichloroethene

Concen: 1.266 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

Instrument :

MSVOA_N

ClientSampleId :

MW-10D

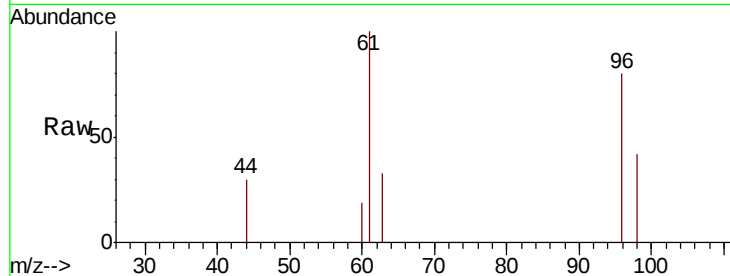
Tot Ion: 96 Resp: 3003

Ion Ratio Lower Upper

96 100

61 139.0 0.0 343.4

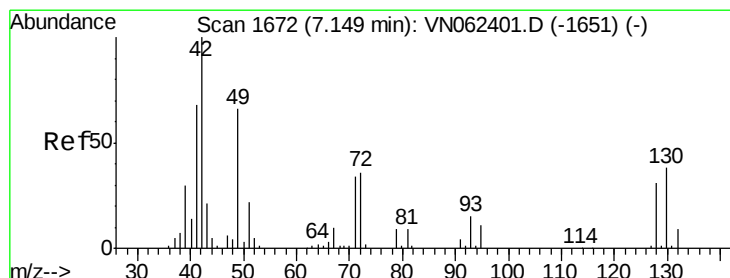
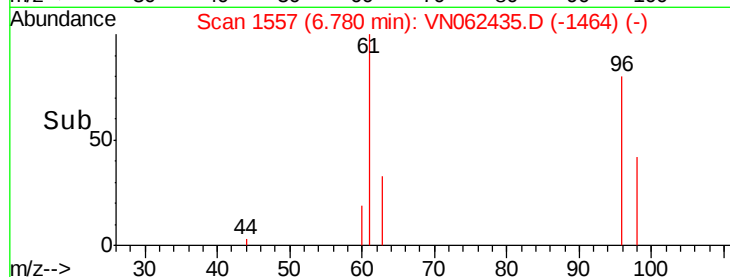
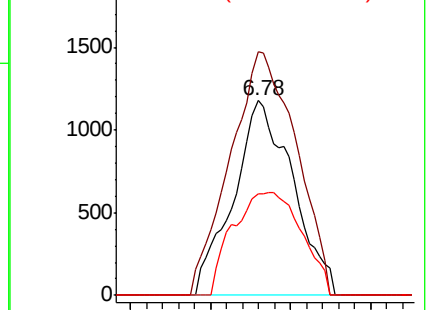
98 61.0 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN062435.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN062435.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN062435.D (-1464) (-)



#28

Bromochloromethane

Concen: 1.140 ug/l

RT: 7.33 min Scan# 1729

Delta R.T. 0.18 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

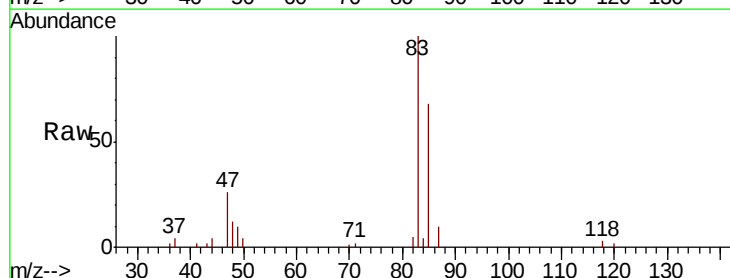
Tgt Ion: 49 Resp: 2811

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.8

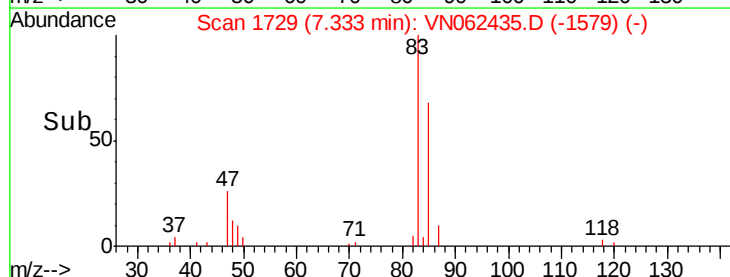
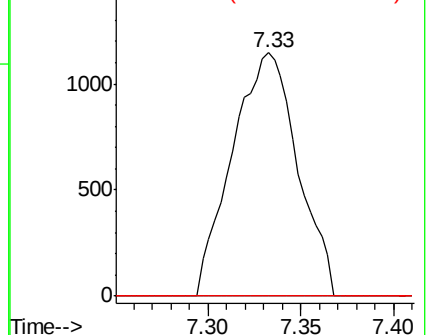
130 0.0 46.5 69.7#

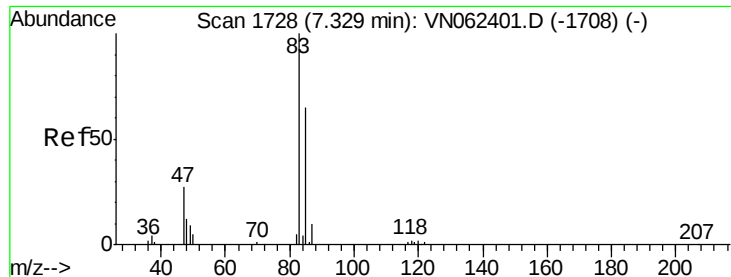


Abundance Ion 48.90 (48.60 to 49.60): VN062435.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062435.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062435.D (-1579) (-)

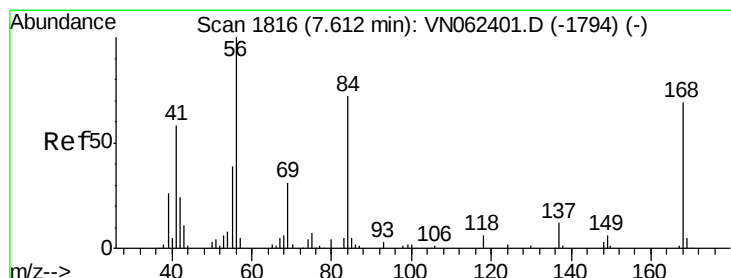
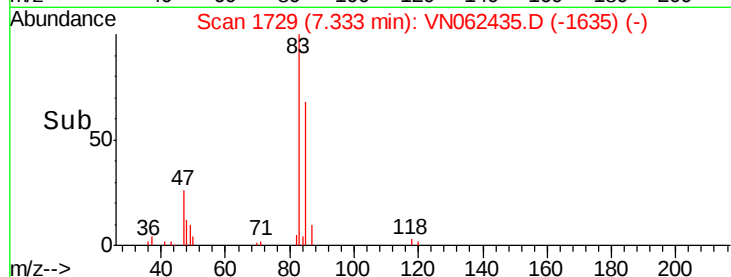
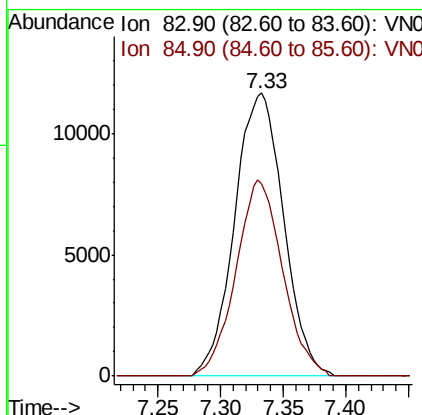
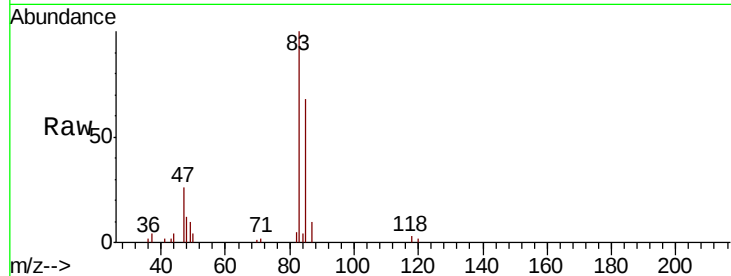




#30
Chloroform
Concen: 7.730 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN062435.D
Acq: 9 Jul 2020 3:35

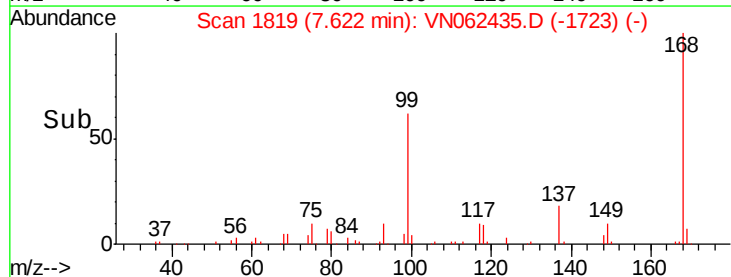
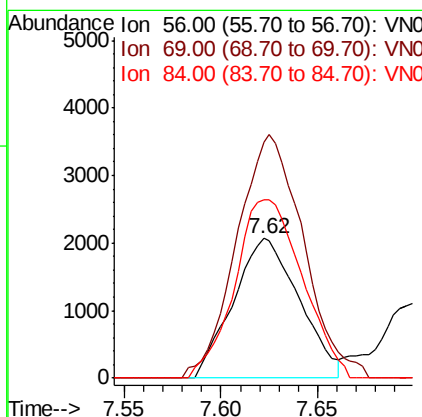
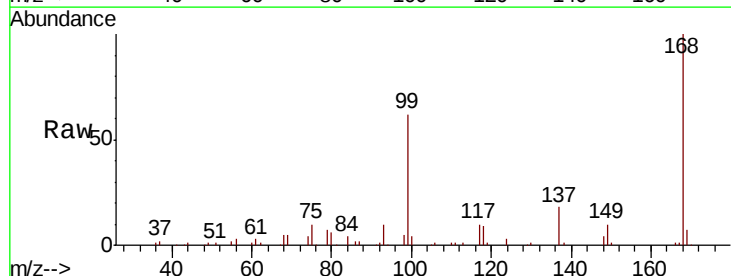
Instrument :
MSVOA_N
ClientSampleId :
MW-10D

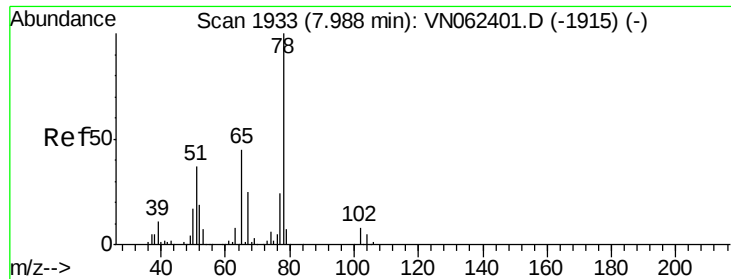
Tot Ion: 83 Resp: 31667
Ion Ratio Lower Upper
83 100
85 67.9 51.8 77.6



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062435.D
Acq: 9 Jul 2020 3:35

Tgt Ion: 56 Resp: 4914
Ion Ratio Lower Upper
56 100
69 162.0 24.5 36.7#
84 127.6 57.4 86.2#

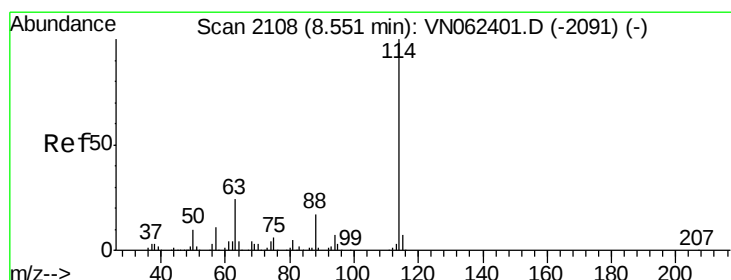
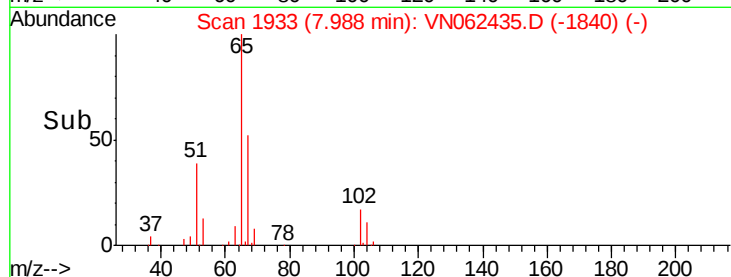
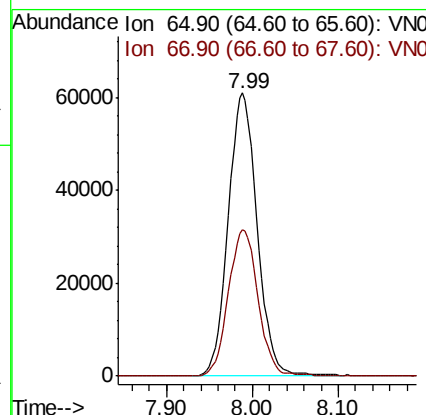
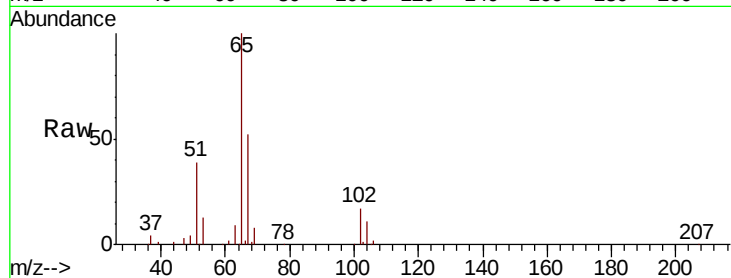




#33
 1,2-Dichloroethane-d4
 Concen: 50.392 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062435.D
 Acq: 9 Jul 2020 3:35

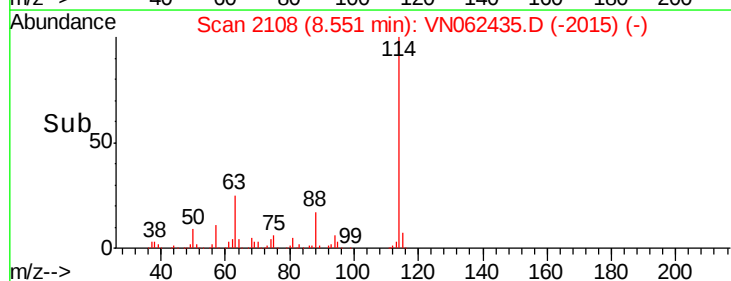
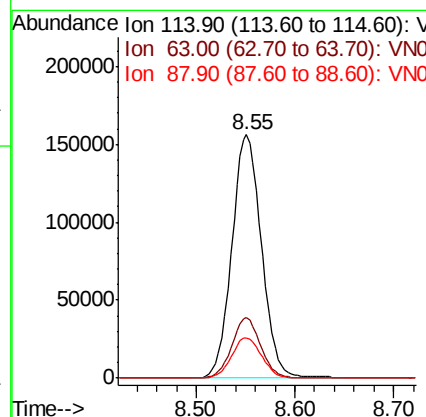
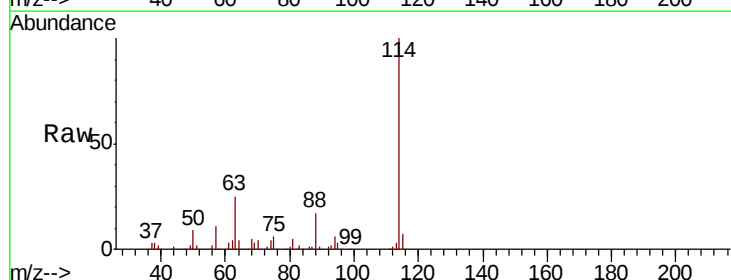
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10D

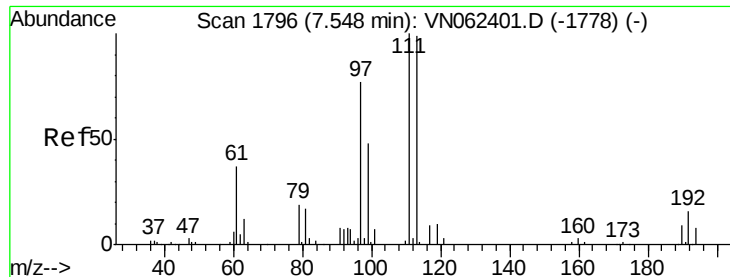
Tot Ion: 65 Resp: 142700
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062435.D
 Acq: 9 Jul 2020 3:35

Tgt Ion: 114 Resp: 327539
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.4
 88 16.7 0.0 33.8

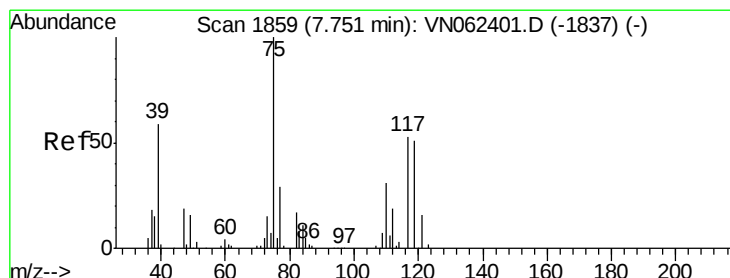
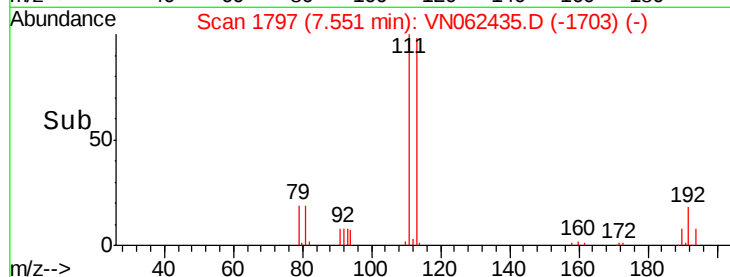
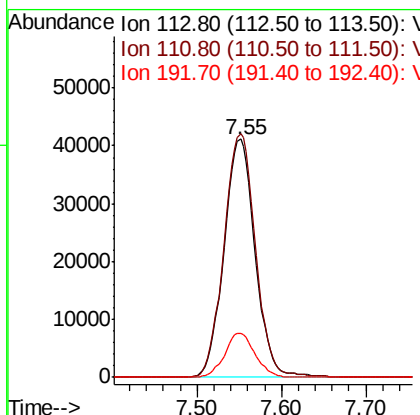
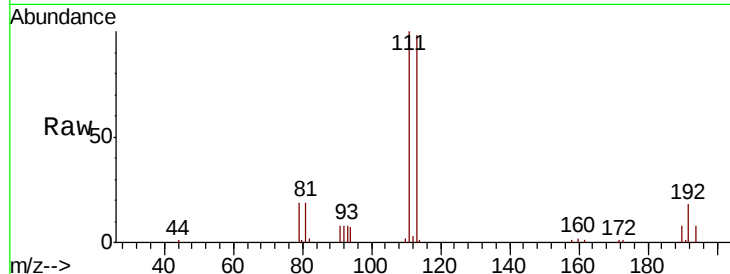




#35
Dibromofluoromethane
Concen: 52.081 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062435.D
Acq: 9 Jul 2020 3:35

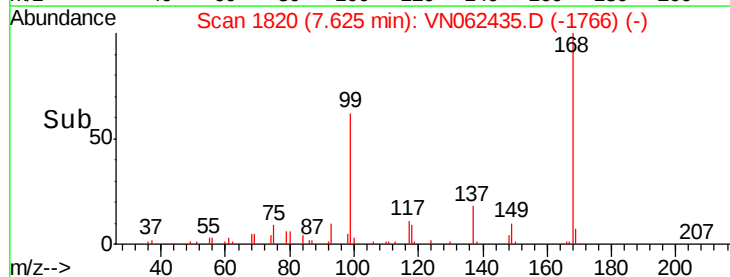
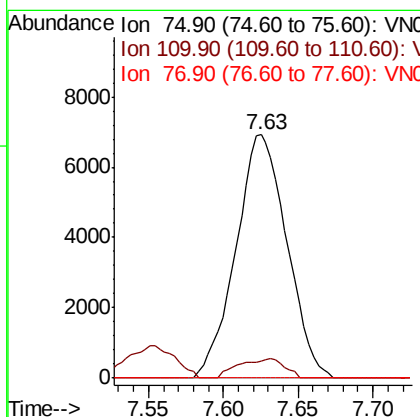
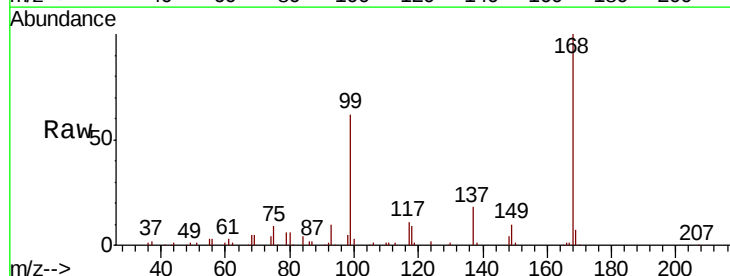
Instrument :
MSVOA_N
ClientSampled :
MW-10D

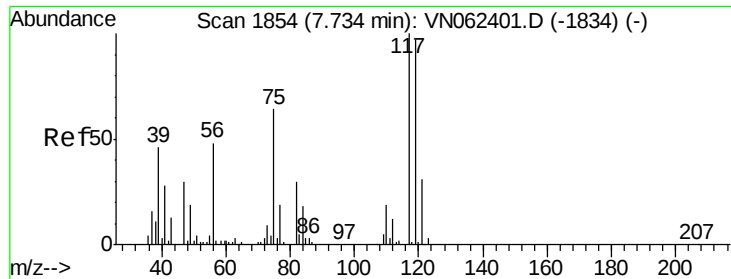
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.1	124.7
192	18.0	14.1	21.1



#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.13 min
Lab File: VN062435.D
Acq: 9 Jul 2020 3:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	15.4	46.2#
77	0.0	24.1	36.1#

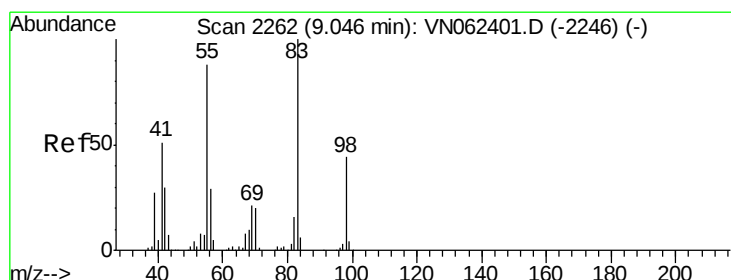
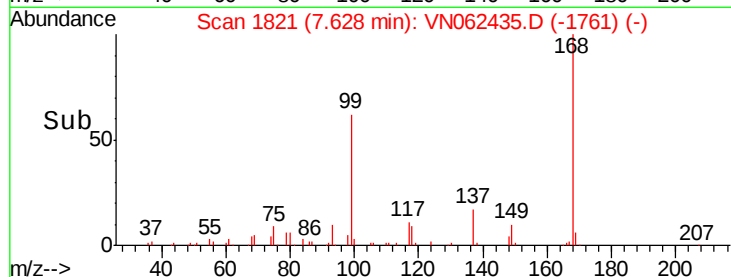
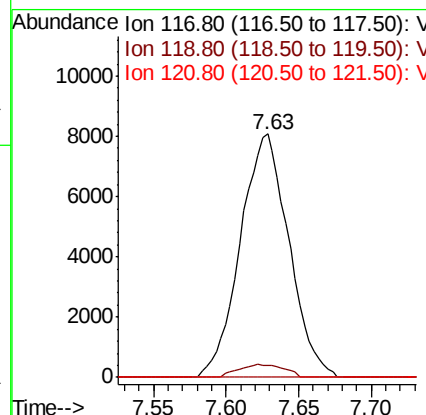
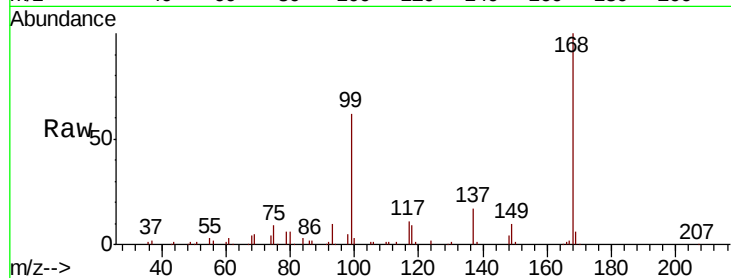




#38
Carbon Tetrachloride
Concen: 6.326 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN062435.D
Acq: 9 Jul 2020 3:35

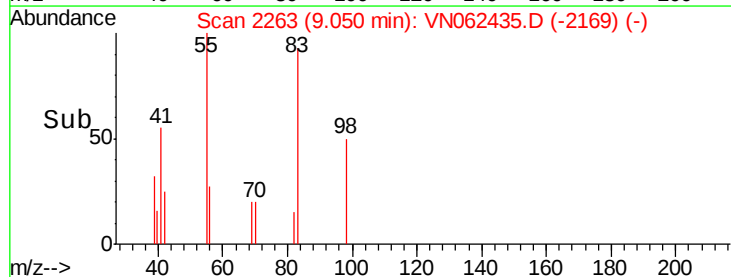
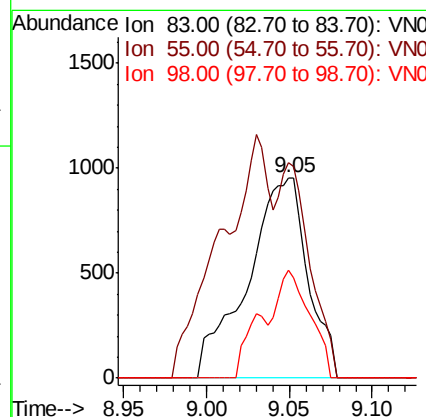
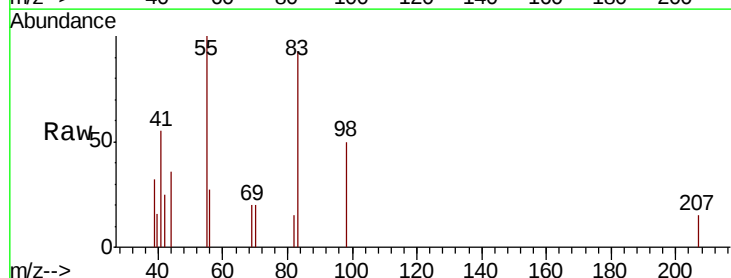
Instrument :
MSVOA_N
ClientSampled :
MW-10D

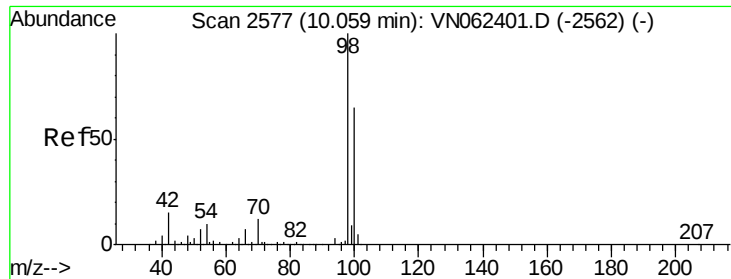
Tot Ion:117 Resp: 18768
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.688 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062435.D
Acq: 9 Jul 2020 3:35

Tgt Ion: 83 Resp: 2424
Ion Ratio Lower Upper
83 100
55 107.3 70.5 105.7#
98 54.1 35.5 53.3#





#50

Toluene-d8

Concen: 52.969 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

Instrument :

MSVOA_N

ClientSampled :

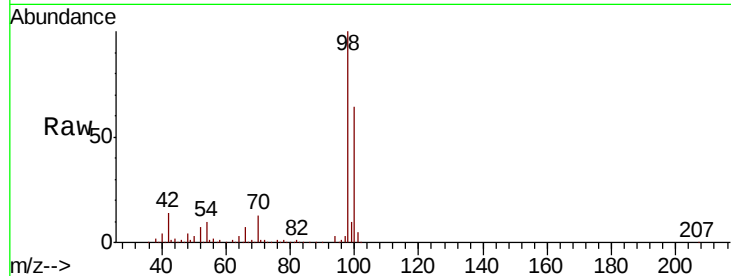
MW-10D

Tot Ion: 98 Resp: 423364

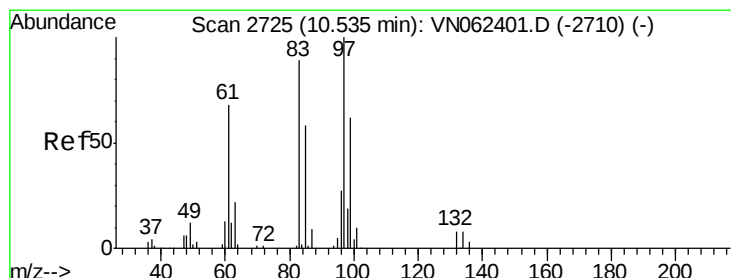
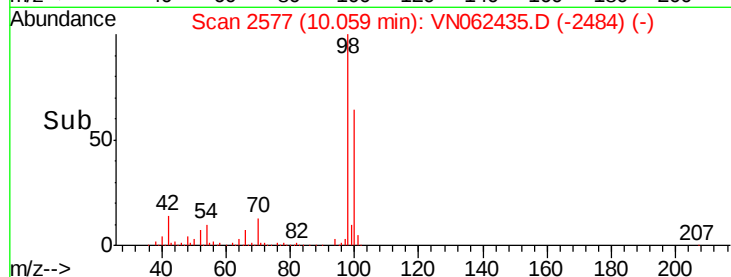
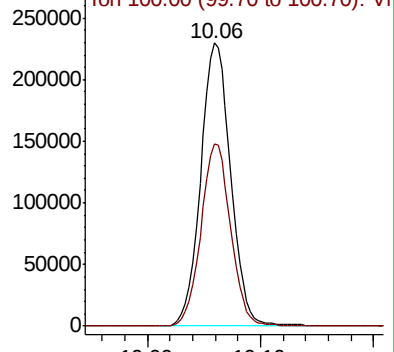
Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN062401.D (-2562) (-)



#55

1,1,2-Trichloroethane

Concen: 0.459 ug/l

RT: 10.50 min Scan# 2715

Delta R.T. -0.03 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

Tgt Ion: 97 Resp: 1014

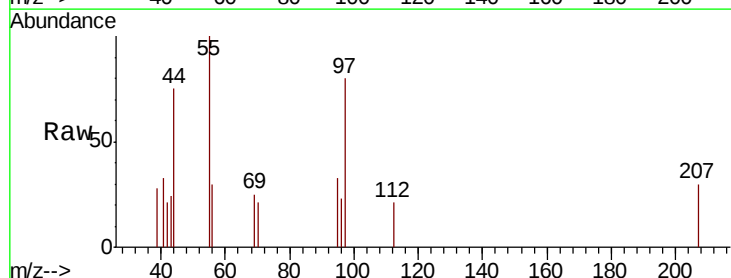
Ion Ratio Lower Upper

97 100

83 0.0 71.0 106.4#

85 0.0 46.2 69.4#

99 0.0 49.7 74.5#

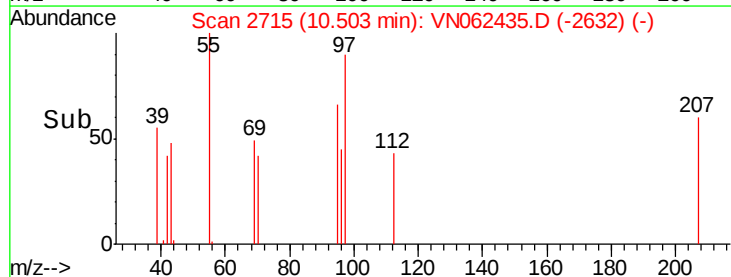
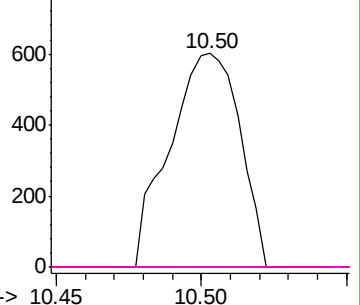


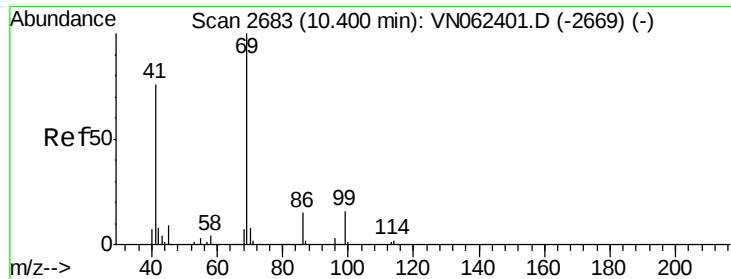
Abundance Ion 96.90 (96.60 to 97.60): VN062401.D (-2710) (-)

Ion 82.90 (82.60 to 83.60): VN062401.D (-2710) (-)

Ion 84.90 (84.60 to 85.60): VN062401.D (-2710) (-)

Ion 98.90 (98.60 to 99.60): VN062401.D (-2710) (-)





#56

Ethyl methacrylate

Concen: 1.793 ug/l

RT: 10.41 min Scan# 2685

Delta R.T. 0.01 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

Instrument :

MSVOA_N

ClientSampleId :

MW-10D

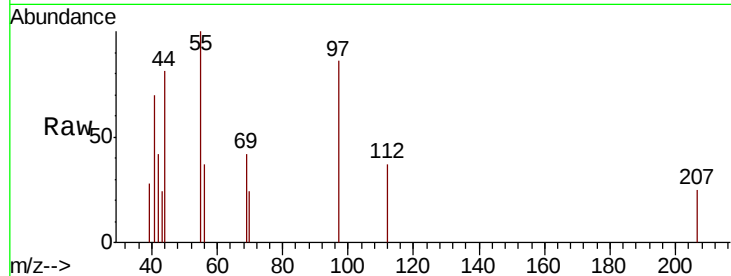
Tot Ion: 69 Resp: 341

Ion Ratio Lower Upper

69 100

41 190.9 59.7 89.5#

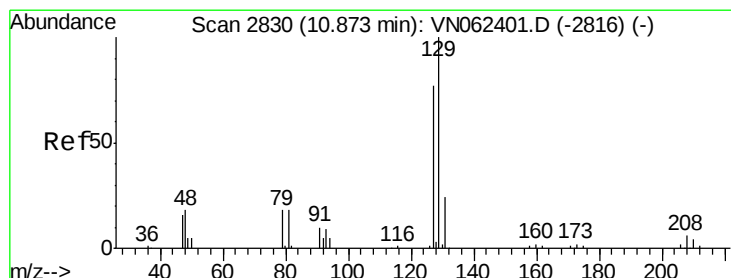
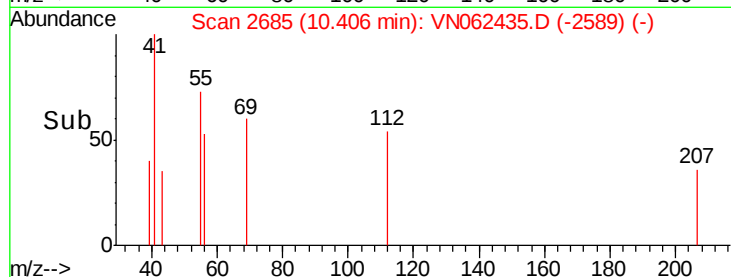
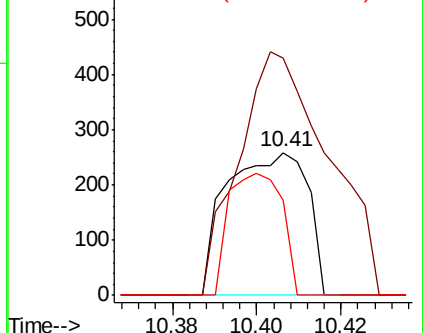
39 56.6 30.6 45.8#



Abundance Ion 69.00 (68.70 to 69.70): VN062401.D (-2669) (-)

Ion 41.00 (40.70 to 41.70): VN062401.D (-2669) (-)

Ion 39.00 (38.70 to 39.70): VN062401.D (-2669) (-)



#60

Dibromochloromethane

Concen: 10.592 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.27 min

Lab File: VN062435.D

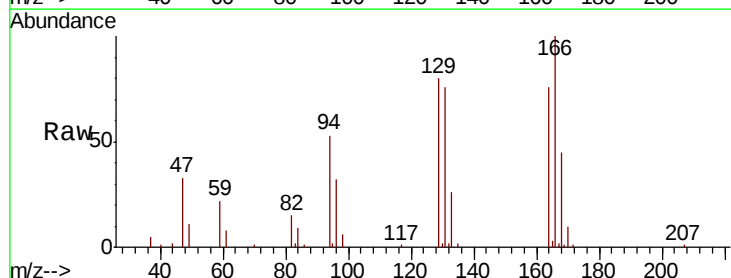
Acq: 9 Jul 2020 3:35

Tgt Ion: 129 Resp: 25374

Ion Ratio Lower Upper

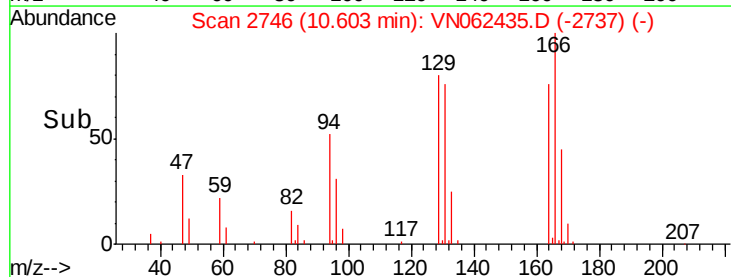
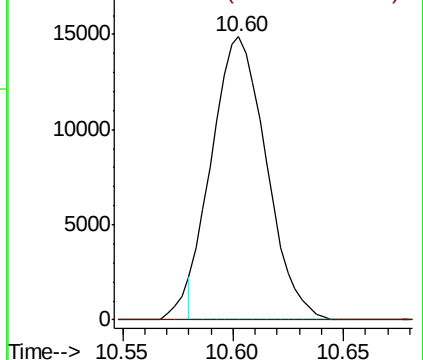
129 100

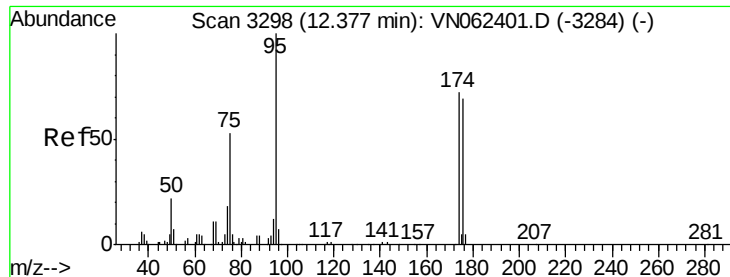
127 0.0 38.6 115.8#



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: 51.710 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

Instrument :

MSVOA_N

ClientSampleId :

MW-10D

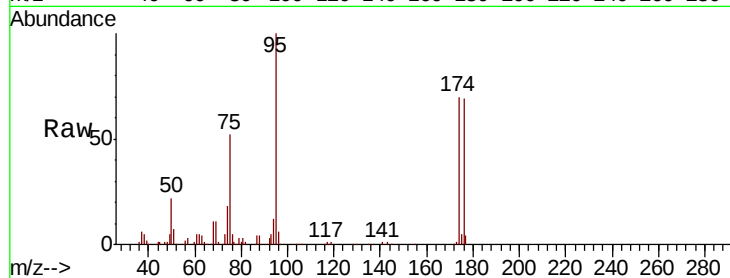
Tot Ion: 95 Resp: 151034

Ion Ratio Lower Upper

95 100

174 71.7 0.0 141.6

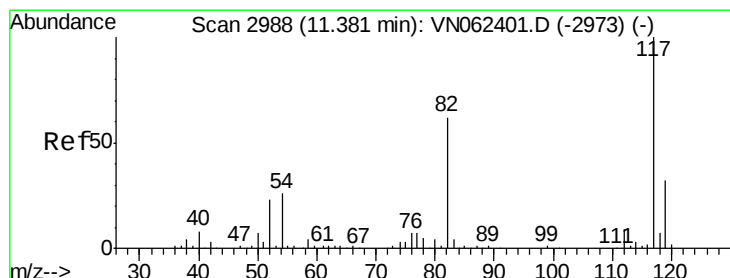
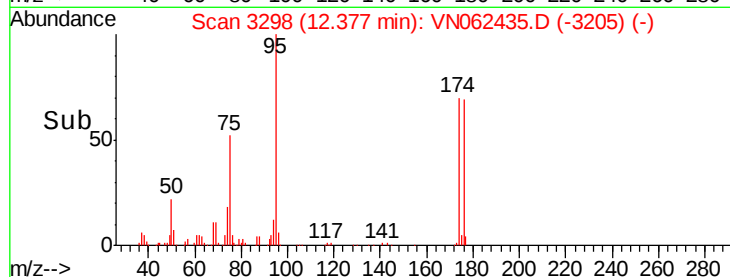
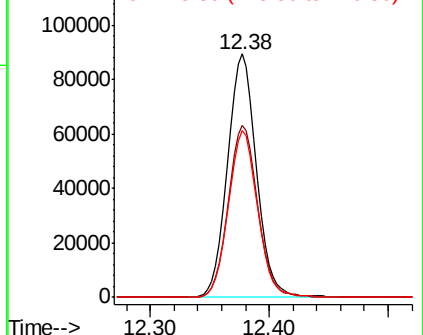
176 68.9 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

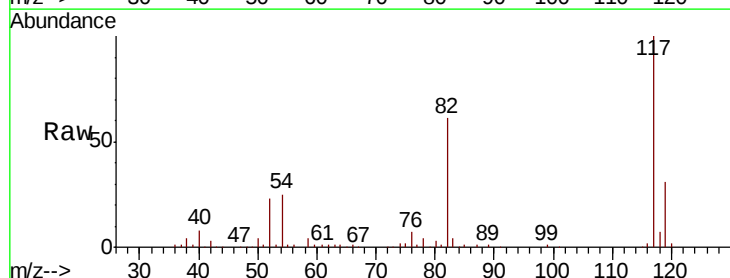
Tgt Ion: 117 Resp: 314489

Ion Ratio Lower Upper

117 100

82 61.0 49.6 74.4

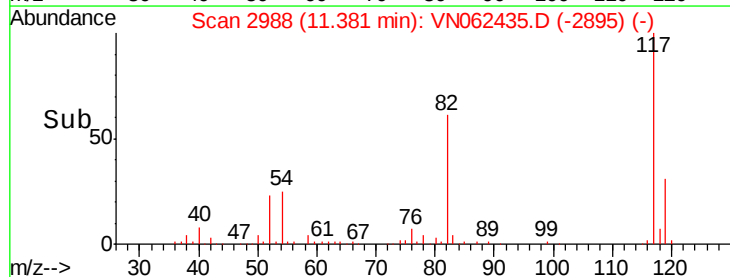
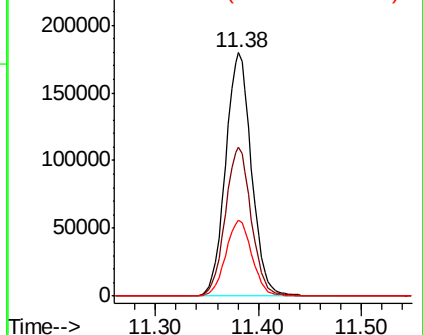
119 31.1 25.4 38.0

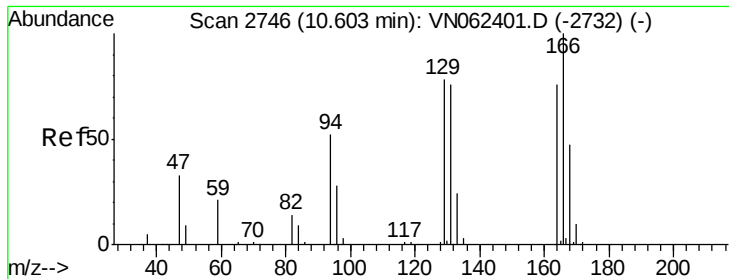


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 13.561 ug/l

RT: 10.61 min Scan# 2747

Delta R.T. 0.00 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

Instrument :

MSVOA_N

ClientSampleId :

MW-10D

Tot Ion:164 Resp: 25308

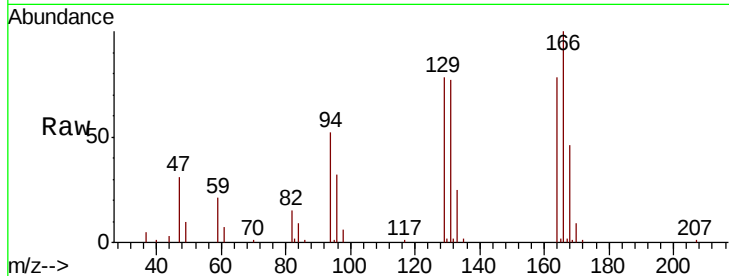
Ion Ratio Lower Upper

164 100

166 128.4 104.9 157.3

129 99.8 81.8 122.6

131 98.9 79.3 118.9

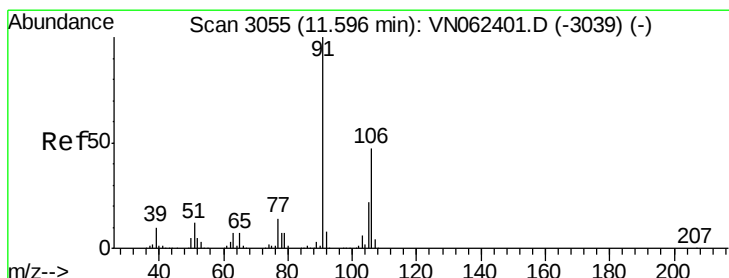
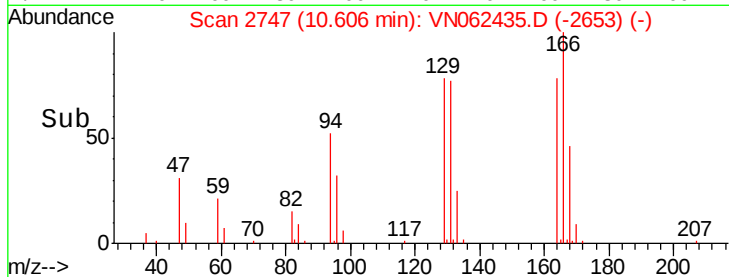
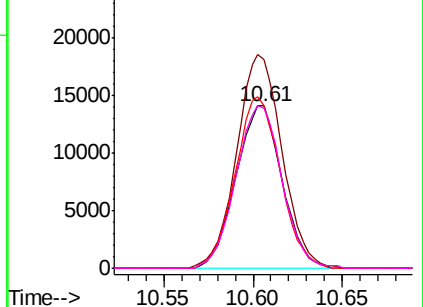


Abundance Ion 163.80 (163.50 to 164.50): V

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



#68

m/p-Xylenes

Concen: 0.838 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062435.D

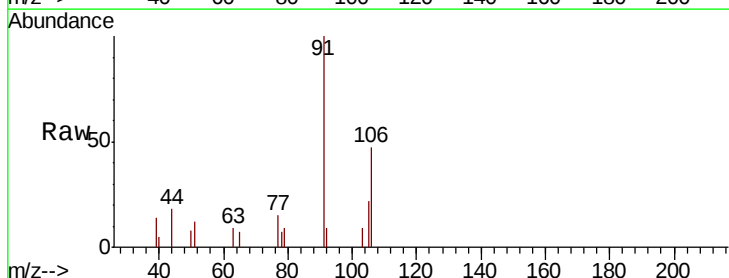
Acq: 9 Jul 2020 3:35

Tgt Ion:106 Resp: 3403

Ion Ratio Lower Upper

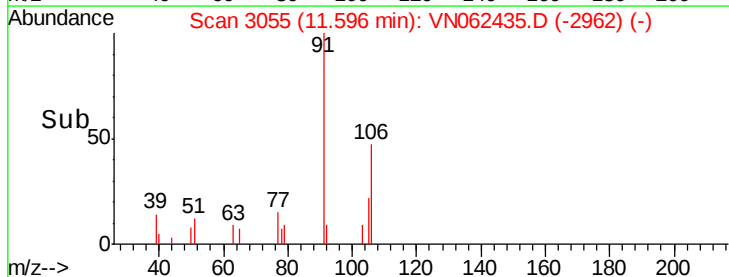
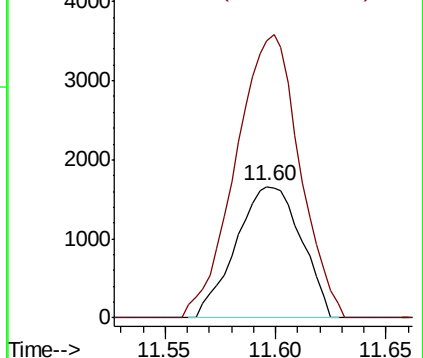
106 100

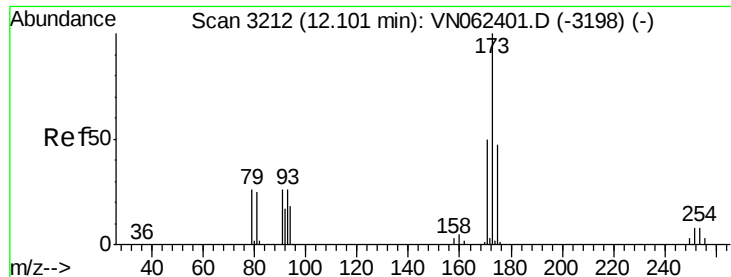
91 211.9 172.4 258.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#71

Bromoform

Concen: 0.655 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

Instrument :

MSVOA_N

ClientSampleId :

MW-10D

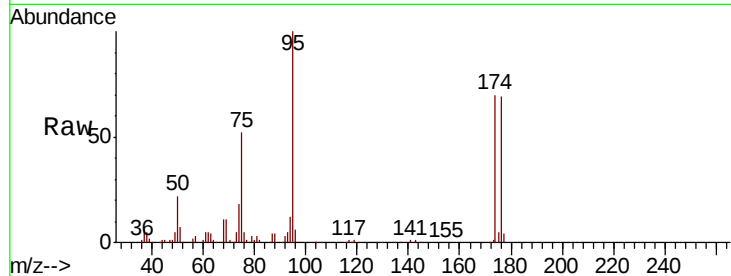
Tot Ion:173 Resp: 1083

Ion Ratio Lower Upper

173 100

175 616.1 23.7 71.1#

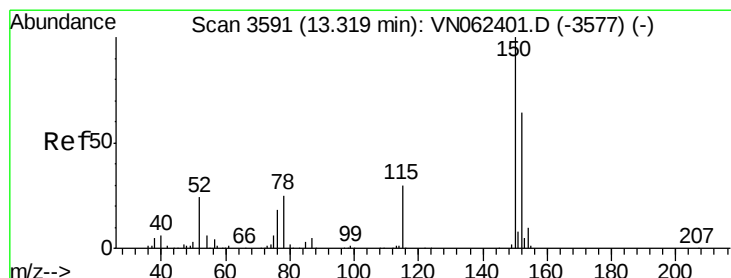
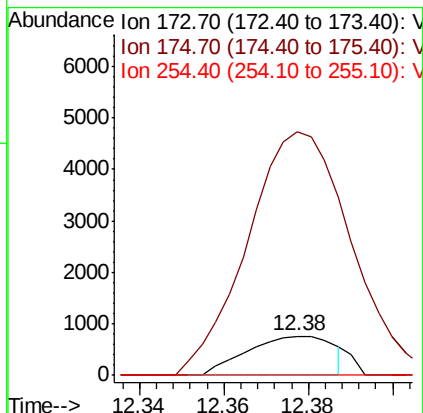
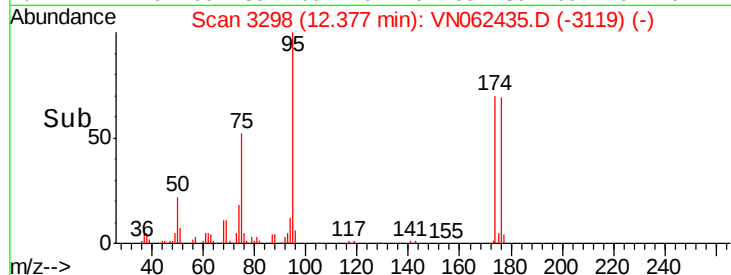
254 0.0 0.0 0.0



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: VN062435.D

Acq: 9 Jul 2020 3:35

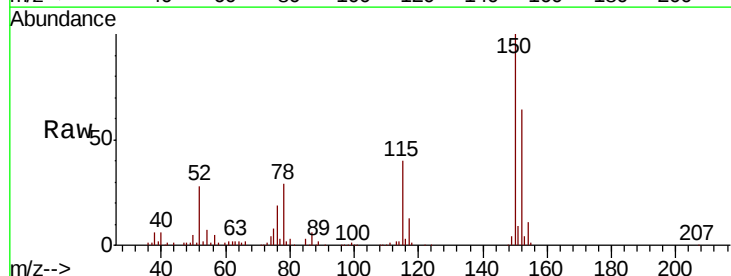
Tgt Ion:152 Resp: 115960

Ion Ratio Lower Upper

152 100

115 62.7 31.4 94.2

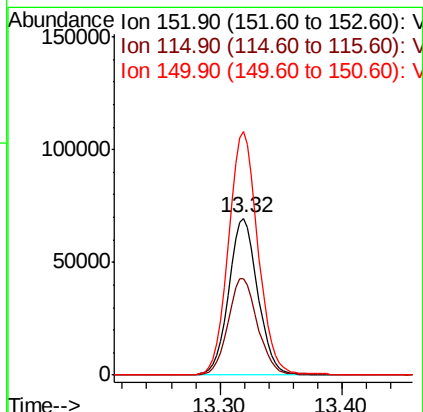
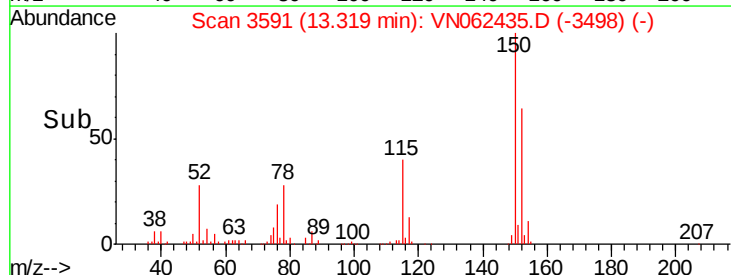
150 157.8 0.0 347.4

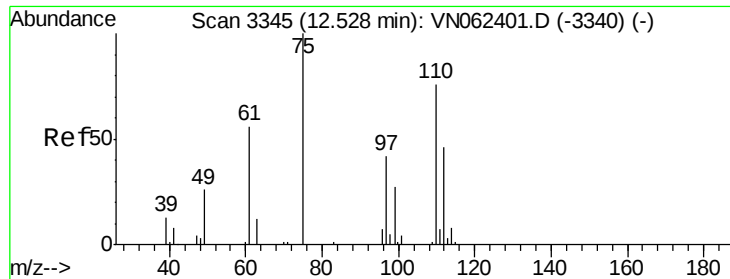


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.110 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

Instrument :

MSVOA_N

ClientSampled :

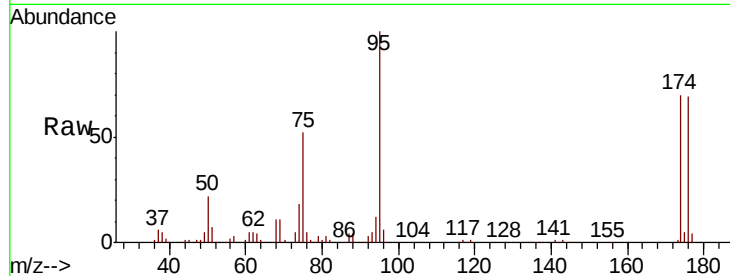
MW-10D

Tot Ion: 75 Resp: 79979

Ion Ratio Lower Upper

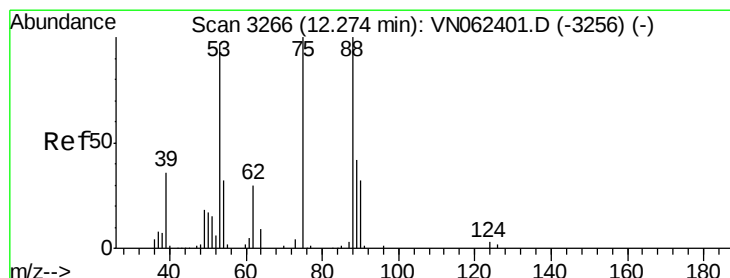
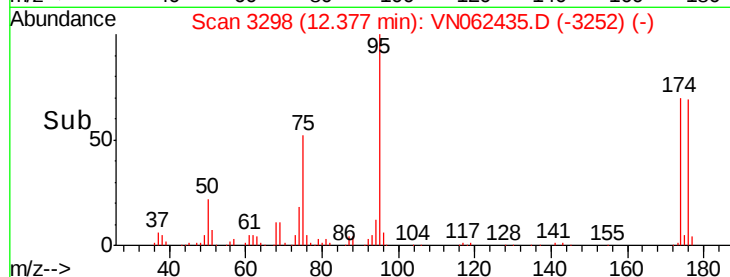
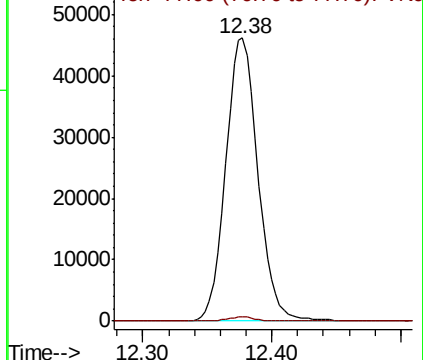
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 75.238 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

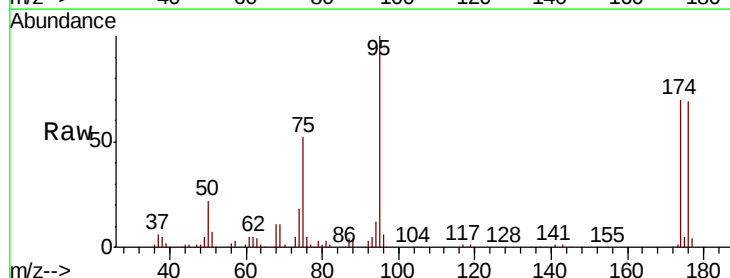
Tgt Ion: 75 Resp: 79979

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

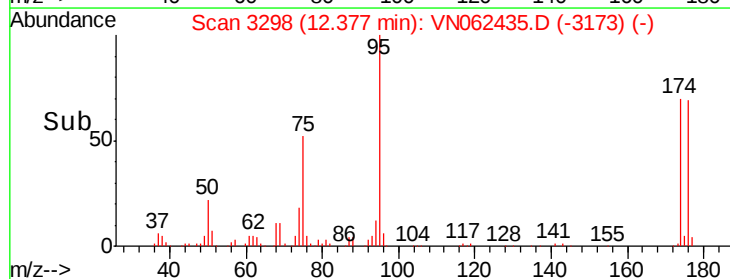
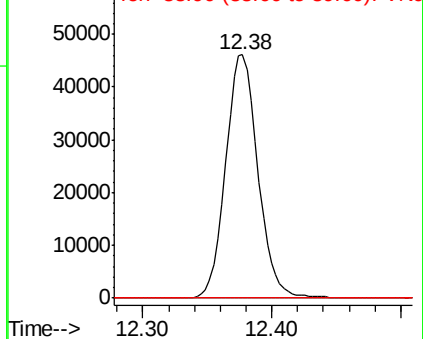
89 0.0 34.6 52.0#

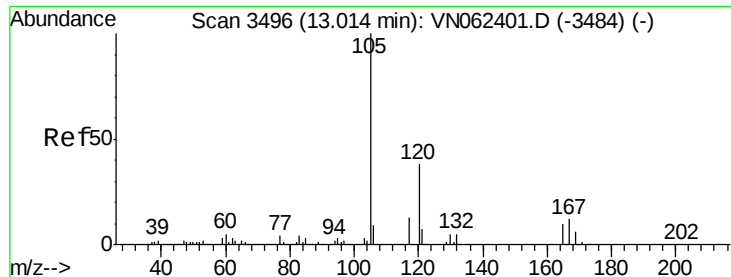


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

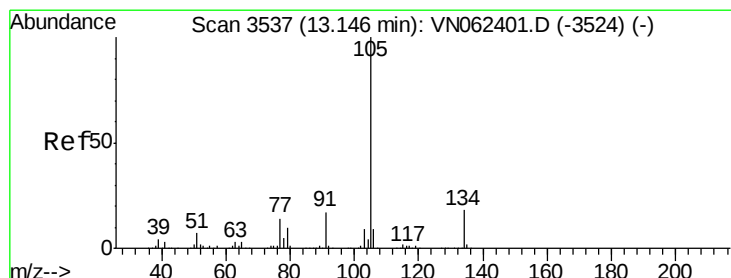
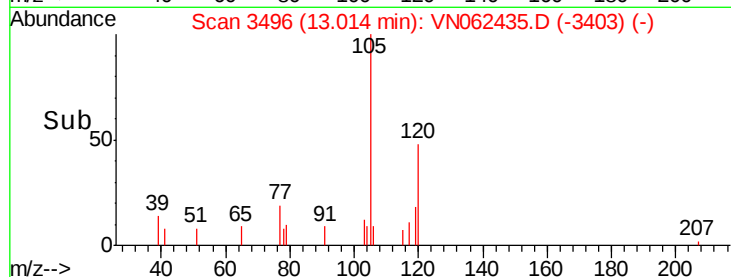
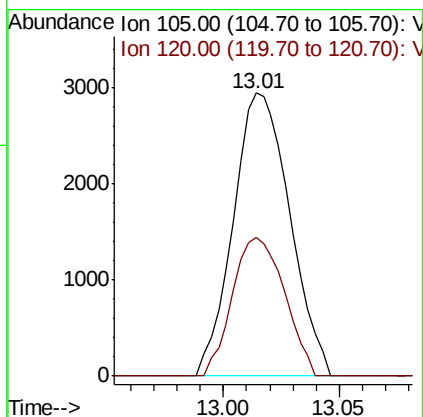
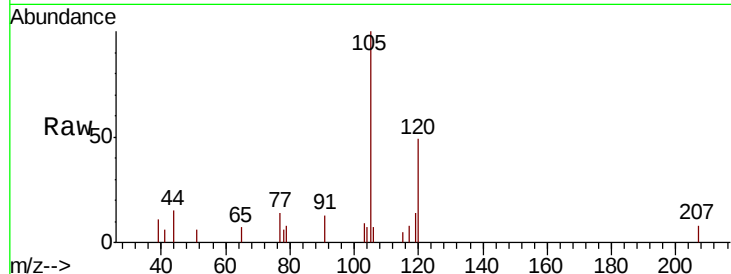




#84
1,2,4-Trimethylbenzene
Concen: 0.682 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062435.D
Acq: 9 Jul 2020 3:35

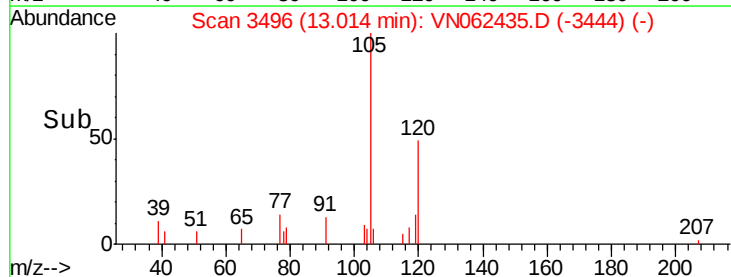
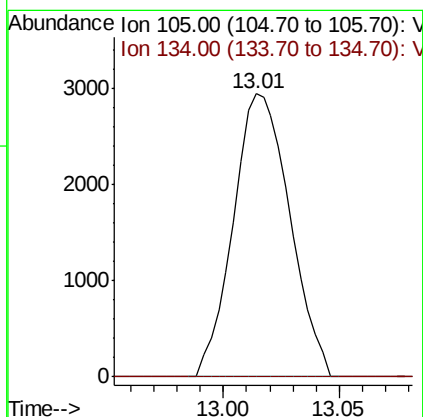
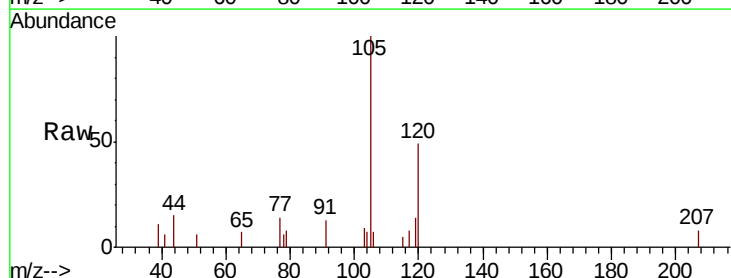
Instrument :
MSVOA_N
ClientSampled :
MW-10D

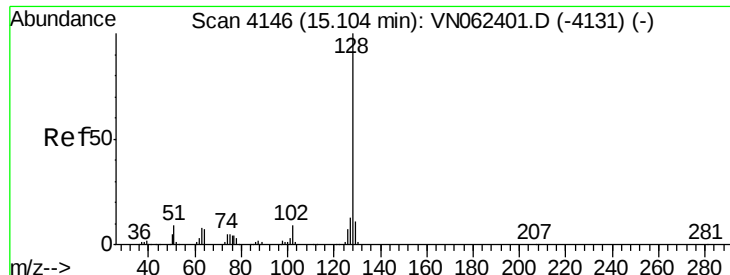
Tot Ion:105 Resp: 4983
Ion Ratio Lower Upper
105 100
120 45.2 21.6 64.8



#85
sec-Butylbenzene
Concen: 0.602 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.13 min
Lab File: VN062435.D
Acq: 9 Jul 2020 3:35

Tgt Ion:105 Resp: 4983
Ion Ratio Lower Upper
105 100
134 0.0 9.3 28.0#





#95

Naphthalene

Concen: 2.404 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062435.D

Acq: 9 Jul 2020 3:35

Instrument :

MSVOA_N

ClientSampleId :

MW-10D

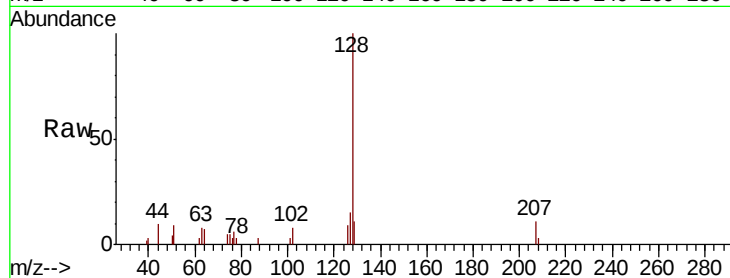
Tot Ion:128 Resp: 12464

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.2

129 10.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

