

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062432.D
 Acq On : 9 Jul 2020 2:23
 Operator : JC/MD
 Sample : L3215-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9

Quant Time: Jul 09 04:10:03 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	174842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	311992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	301957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	106529	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	139514	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
35) Dibromofluoromethane	7.55	113	101564	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
50) Toluene-d8	10.06	98	405627	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
62) 4-Bromofluorobenzene	12.38	95	143871	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	

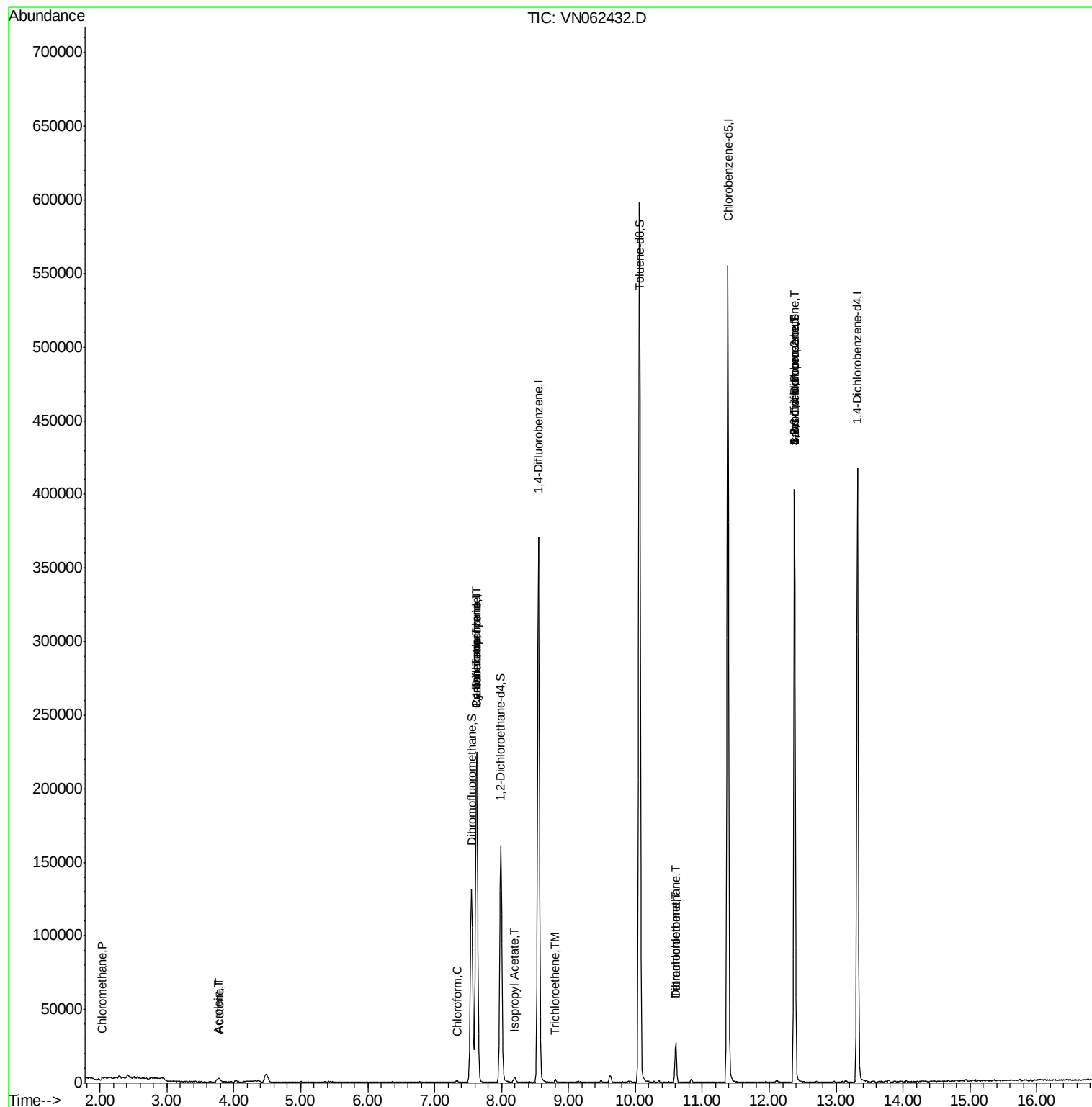
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1161	0.406	ug/l #	76
13) Acrolein	3.75	56	189	0.587	ug/l #	14
16) Acetone	3.79	43	4520	3.959	ug/l	98
30) Chloroform	7.33	83	1282	0.330	ug/l #	77
31) Cyclohexane	7.63	56	4258	1.042	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	16002	5.091	ug/l #	51
38) Carbon Tetrachloride	7.63	117	17437	6.170	ug/l #	16
43) Isopropyl Acetate	8.18	43	1320	0.227	ug/l #	45
44) Trichloroethene	8.80	130	682	0.332	ug/l	92
60) Dibromochloromethane	10.61	129	6078	2.664	ug/l #	11
64) Tetrachloroethene	10.60	164	6417	3.581	ug/l	89
71) Bromoform	12.37	173	862	0.543	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	75165	28.756	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	75165	76.969	ug/l #	10

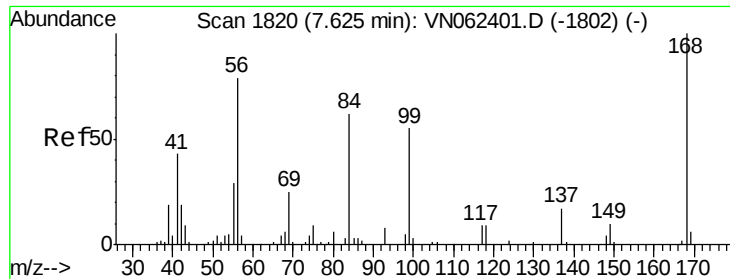
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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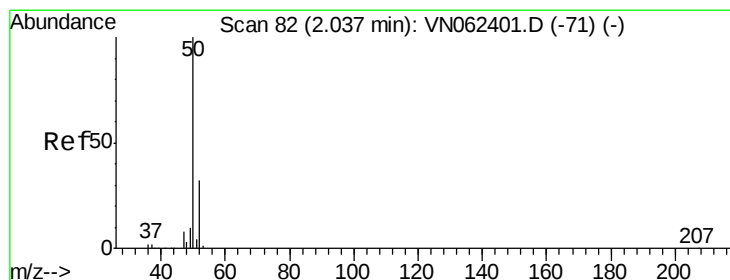
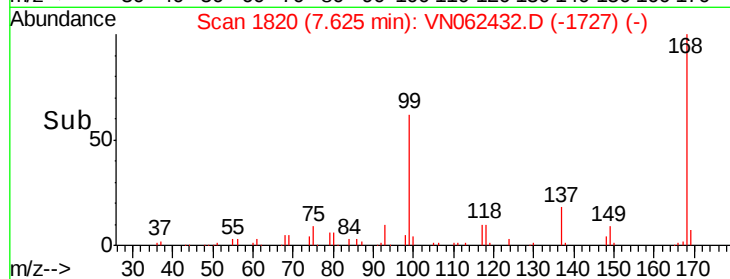
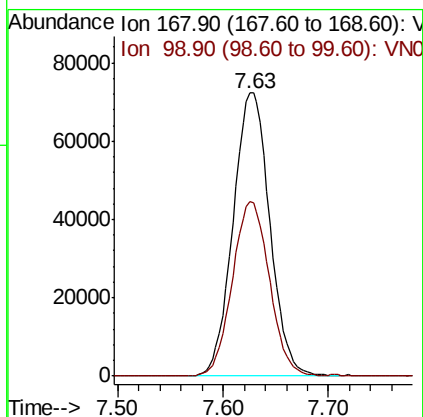
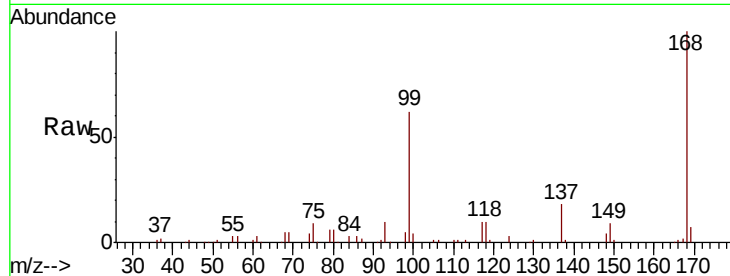




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.00 min
Lab File: VN062432.D
Acq: 9 Jul 2020 2:23

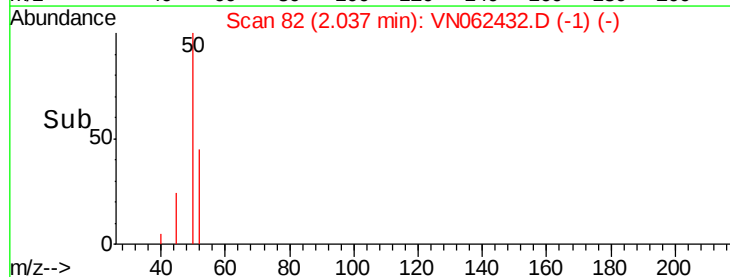
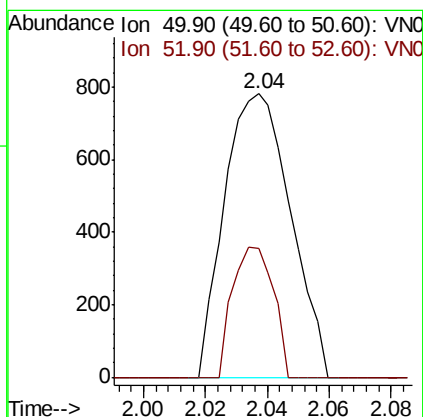
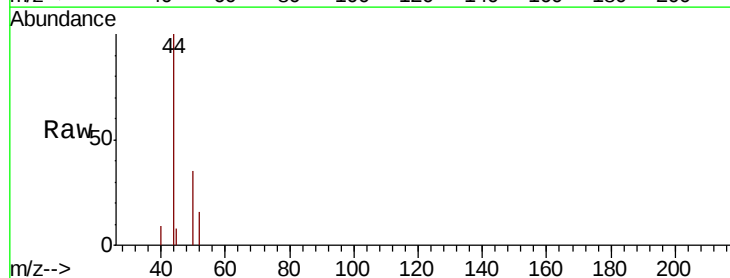
Instrument :
MSVOA_N
ClientSampled :
MW-9

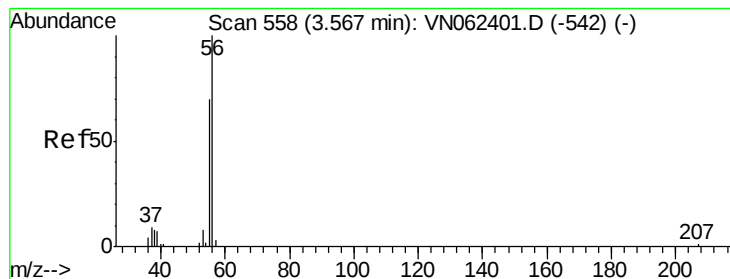
Tot Ion:168 Resp: 174842
Ion Ratio Lower Upper
168 100
99 61.6 48.8 73.2



#3
Chloromethane
Concen: 0.406 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN062432.D
Acq: 9 Jul 2020 2:23

Tgt Ion: 50 Resp: 1161
Ion Ratio Lower Upper
50 100
52 45.3 25.5 38.3#





#13

Acrolein

Concen: 0.587 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.19 min

Lab File: VN062432.D

Acq: 9 Jul 2020 2:23

Instrument :

MSVOA_N

ClientSampleId :

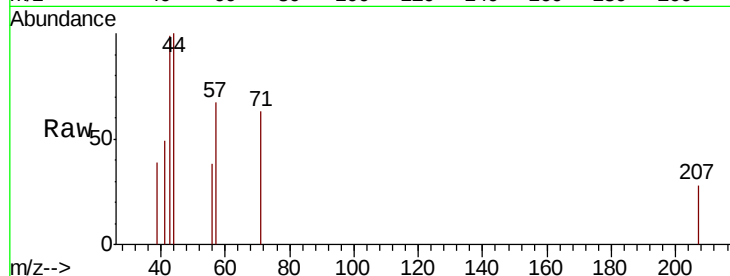
MW-9

Tot Ion: 56 Resp: 189

Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.75

250

200

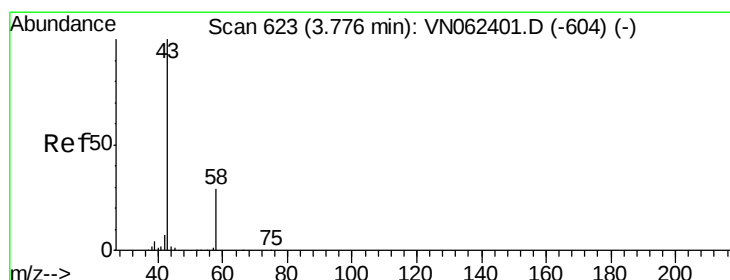
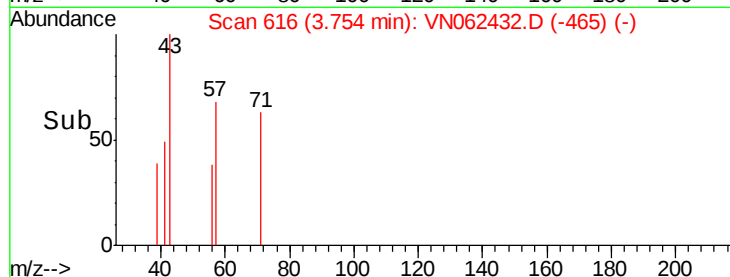
150

100

50

0

Time--> 3.73 3.74 3.75 3.76 3.77



#16

Acetone

Concen: 3.959 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN062432.D

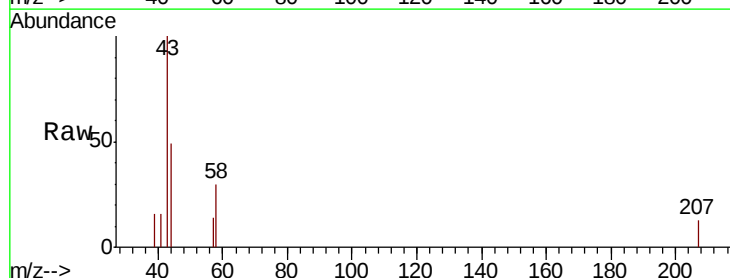
Acq: 9 Jul 2020 2:23

Tgt Ion: 43 Resp: 4520

Ion Ratio Lower Upper

43 100

58 30.5 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

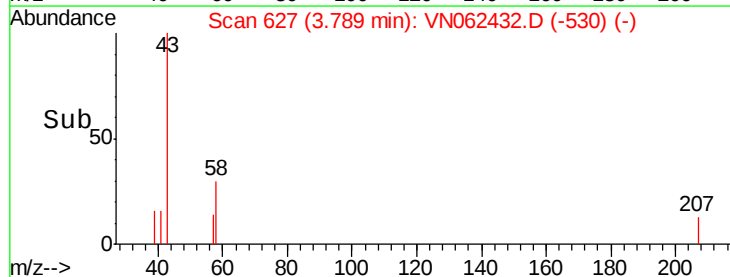
1500

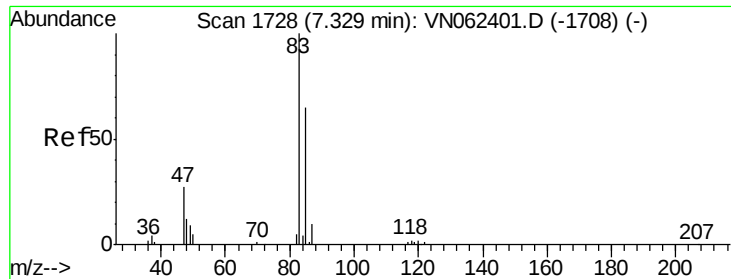
1000

500

0

Time--> 3.70 3.75 3.80 3.85

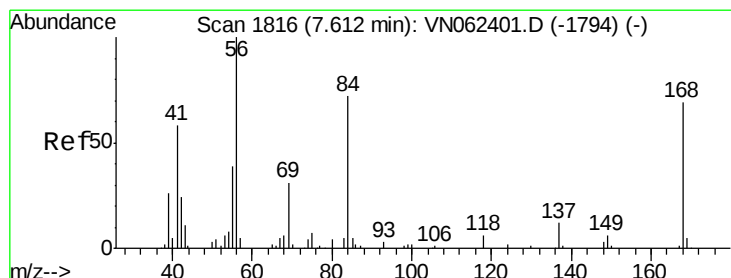
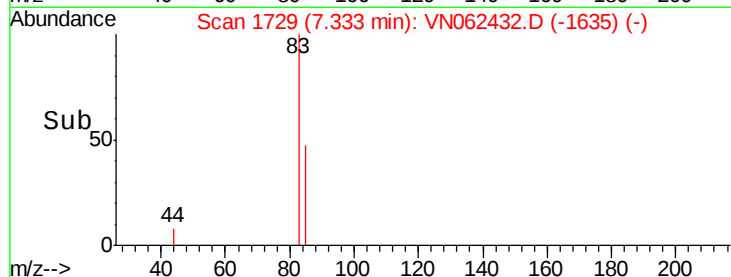
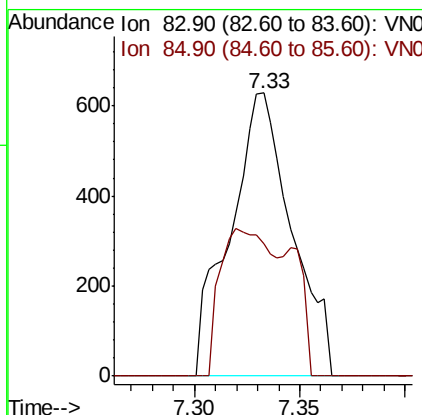
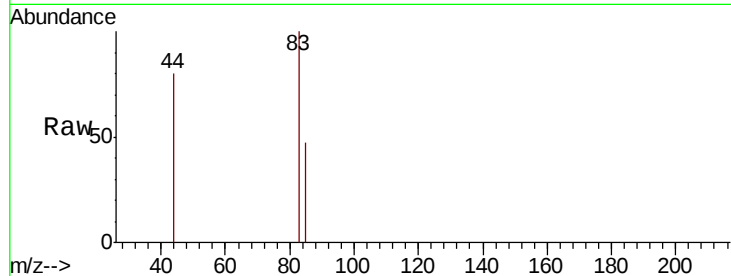




#30
Chloroform
Concen: 0.330 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN062432.D
Acq: 9 Jul 2020 2:23

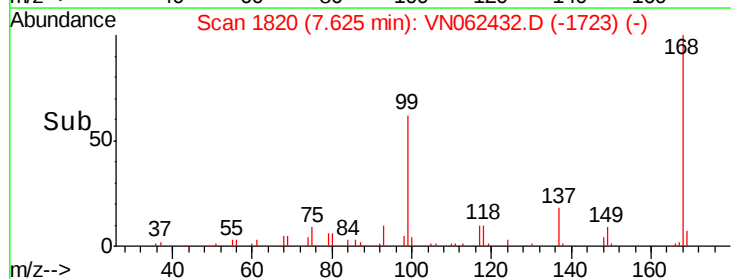
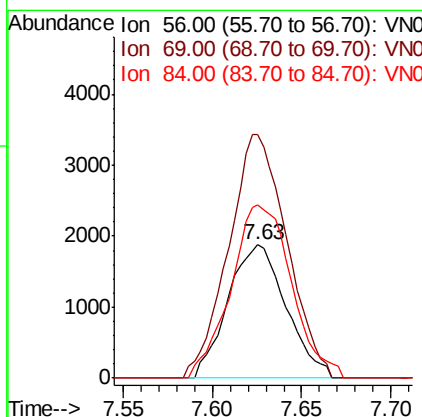
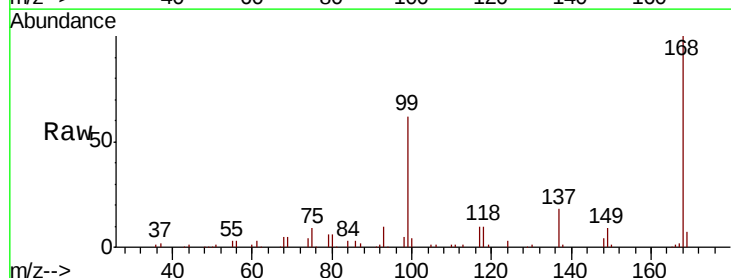
Instrument :
MSVOA_N
ClientSampleId :
MW-9

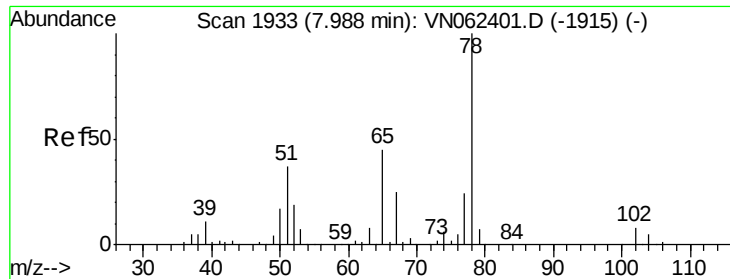
Tot Ion: 83 Resp: 1282
Ion Ratio Lower Upper
83 100
85 47.0 51.8 77.6#



#31
Cyclohexane
Concen: 1.042 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062432.D
Acq: 9 Jul 2020 2:23

Tgt Ion: 56 Resp: 4258
Ion Ratio Lower Upper
56 100
69 182.9 24.5 36.7#
84 130.2 57.4 86.2#





#33

1,2-Dichloroethane-d4

Concen: 51.878 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062432.D

Acq: 9 Jul 2020 2:23

Instrument :

MSVOA_N

ClientSampleId :

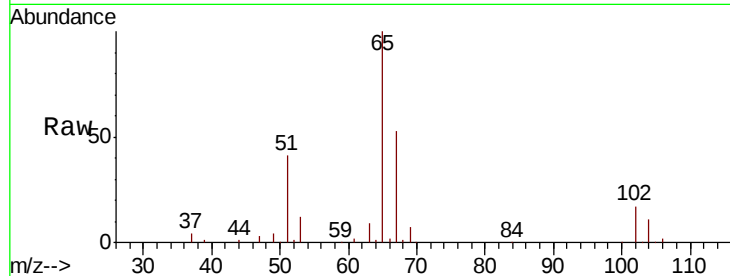
MW-9

Tot Ion: 65 Resp: 139514

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN062401.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062401.D (-1915) (-)

7.99

60000

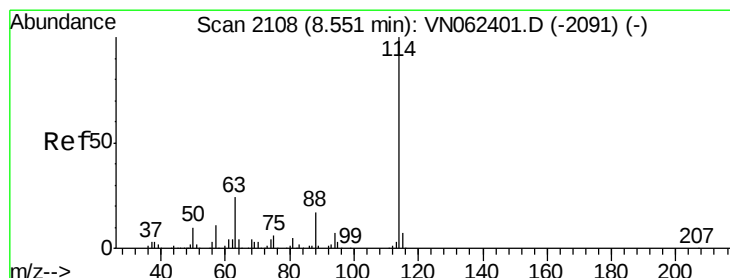
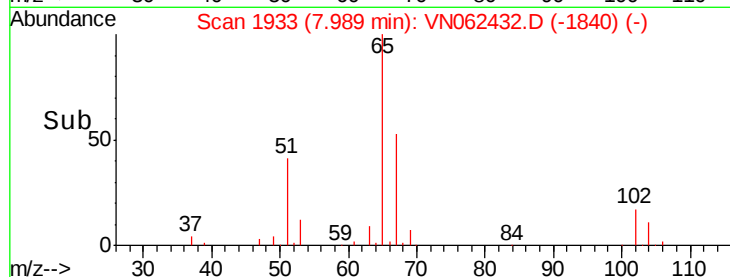
40000

20000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062432.D

Acq: 9 Jul 2020 2:23

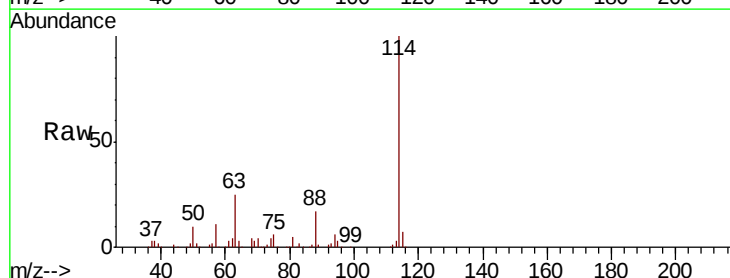
Tgt Ion: 114 Resp: 311992

Ion Ratio Lower Upper

114 100

63 24.9 0.0 48.4

88 17.1 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VN062401.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062401.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062401.D (-2091) (-)

8.55

200000

150000

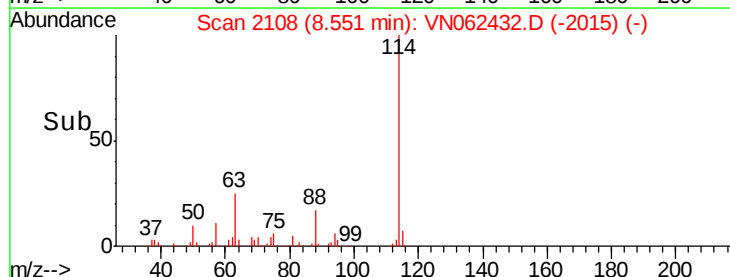
100000

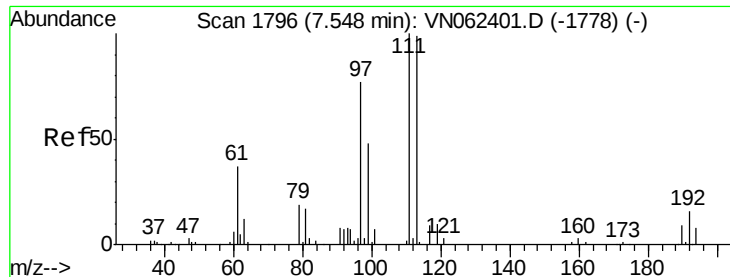
50000

0

8.50 8.60 8.70

Time-->

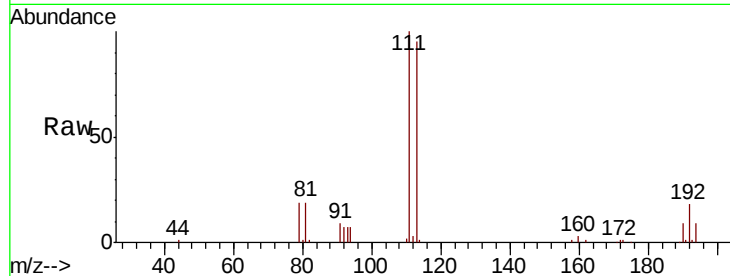




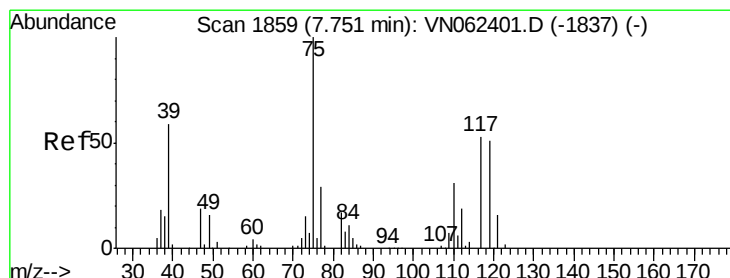
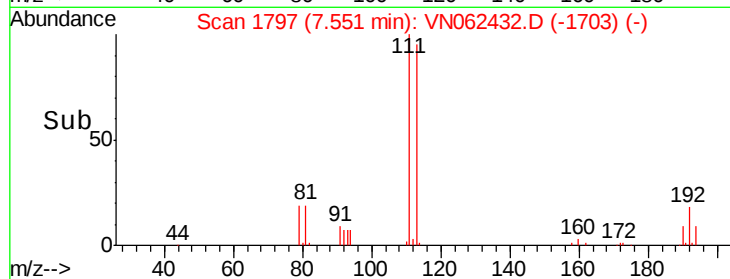
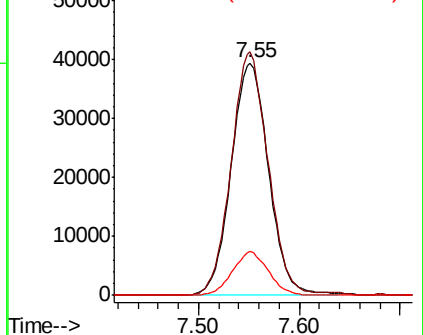
#35
 Dibromofluoromethane
 Concen: 52.664 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062432.D
 Acq: 9 Jul 2020 2:23

Instrument :
 MSVOA_N
 ClientSampled :
 MW-9

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	17.9	14.1	21.1

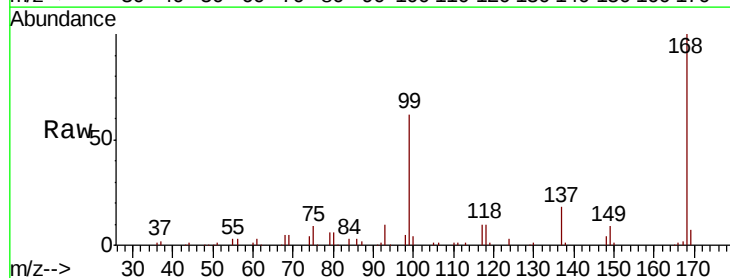


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

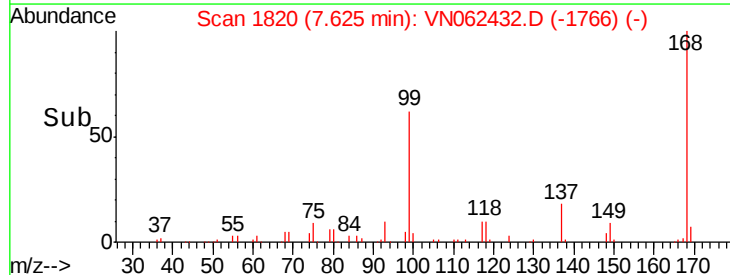
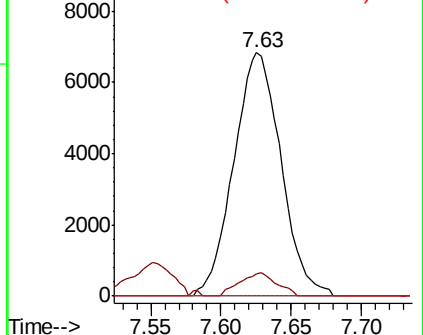


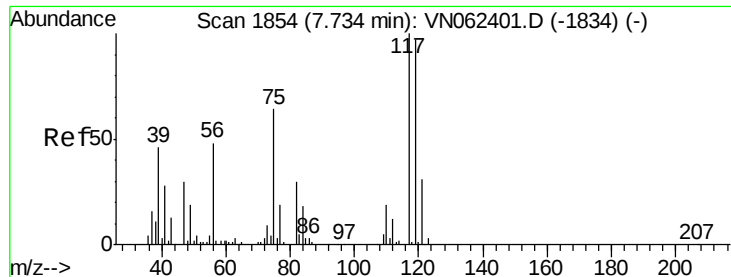
#36
 1,1-Dichloropropene
 Concen: 5.091 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062432.D
 Acq: 9 Jul 2020 2:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	15.4	46.2#
77	0.0	24.1	36.1#



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: 6.170 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062432.D

Acq: 9 Jul 2020 2:23

Instrument :

MSVOA_N

ClientSampled :

MW-9

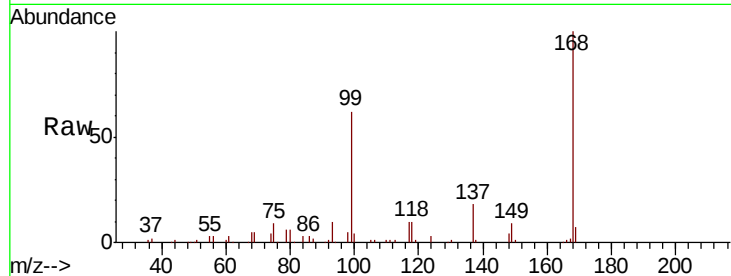
Tot Ion:117 Resp: 17437

Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

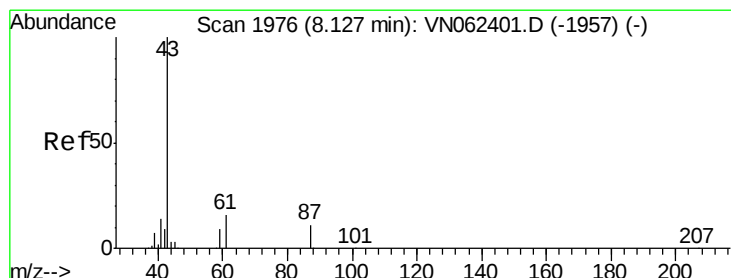
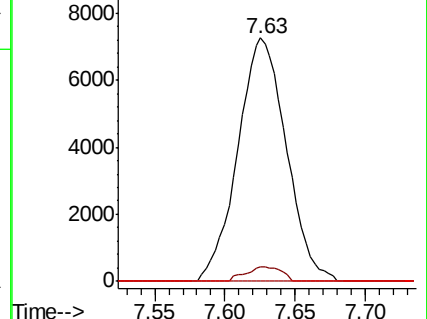
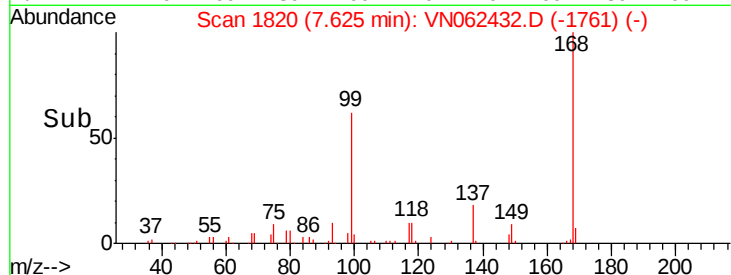
121 0.0 24.8 37.2#



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



#43

Isopropyl Acetate

Concen: 0.227 ug/l

RT: 8.18 min Scan# 1994

Delta R.T. 0.06 min

Lab File: VN062432.D

Acq: 9 Jul 2020 2:23

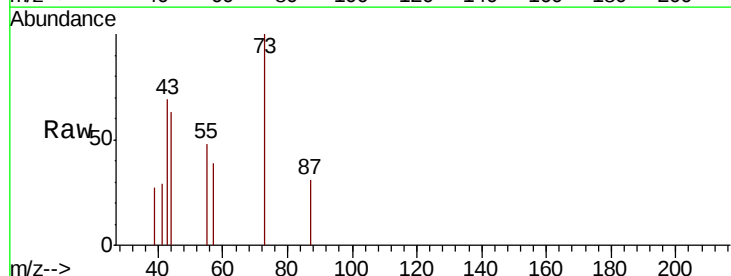
Tgt Ion: 43 Resp: 1320

Ion Ratio Lower Upper

43 100

61 0.0 19.3 28.9#

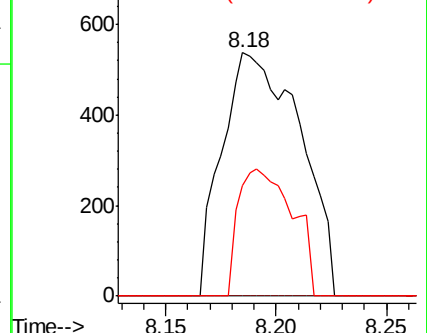
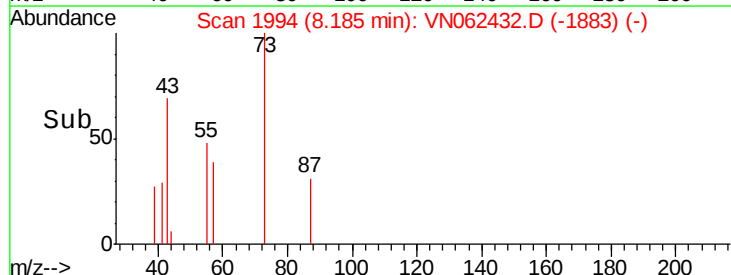
87 36.5 8.6 13.0#

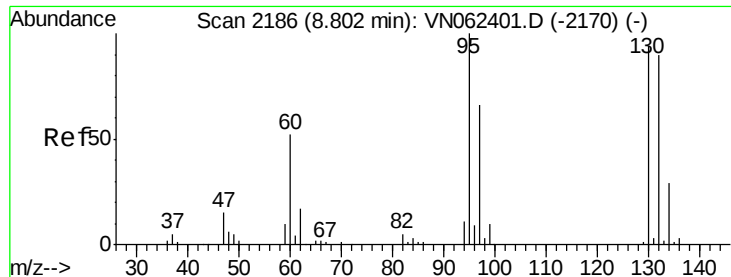


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

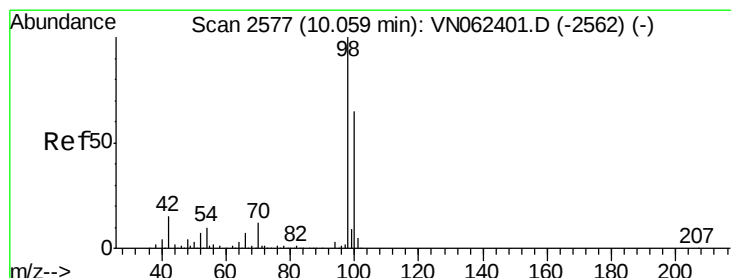
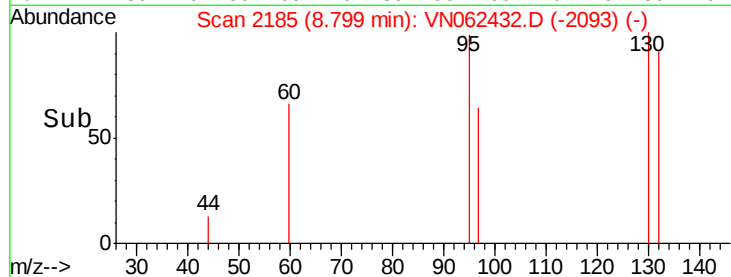
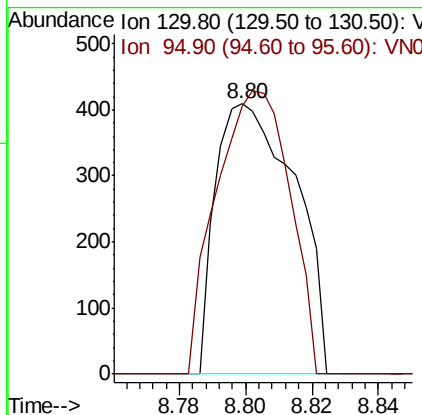
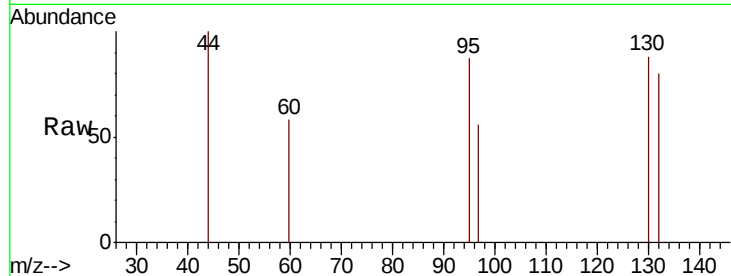




#44
 Trichloroethene
 Concen: 0.332 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062432.D
 Acq: 9 Jul 2020 2:23

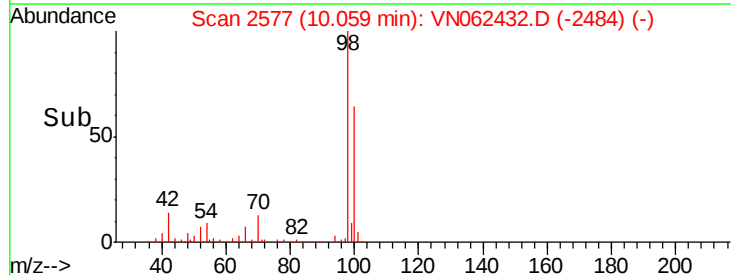
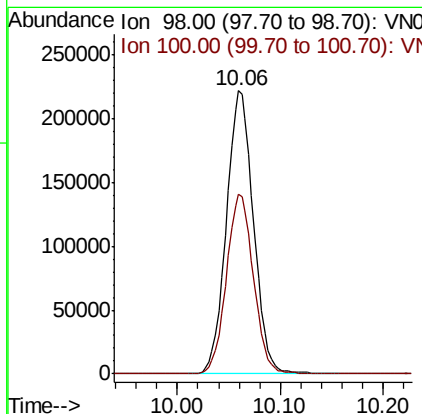
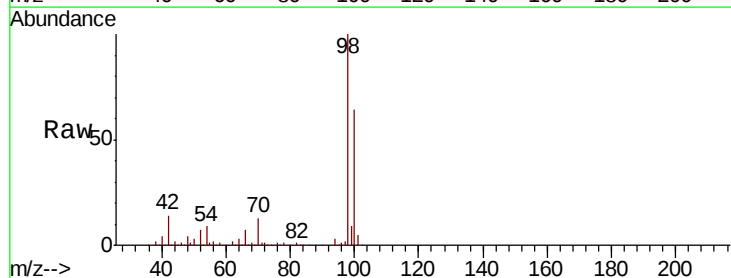
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9

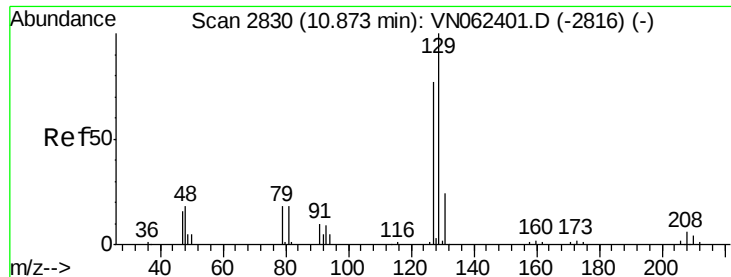
Tot Ion:130 Resp: 682
 Ion Ratio Lower Upper
 130 100
 95 99.0 0.0 213.8



#50
 Toluene-d8
 Concen: 53.279 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN062432.D
 Acq: 9 Jul 2020 2:23

Tgt Ion: 98 Resp: 405627
 Ion Ratio Lower Upper
 98 100
 100 63.2 51.5 77.3





#60

Dibromochloromethane

Concen: 2.664 ug/l

RT: 10.61 min Scan# 2747

Delta R.T. -0.27 min

Lab File: VN062432.D

Acq: 9 Jul 2020 2:23

Instrument :

MSVOA_N

ClientSampled :

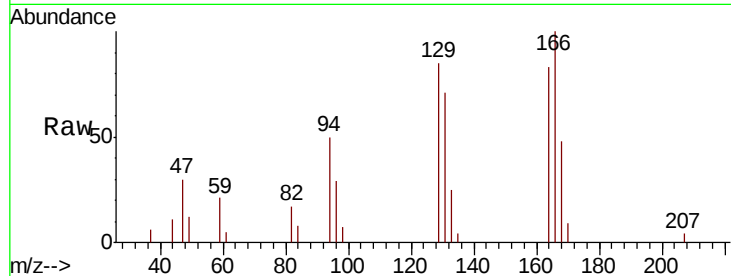
MW-9

Tot Ion:129 Resp: 6078

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.61

4000

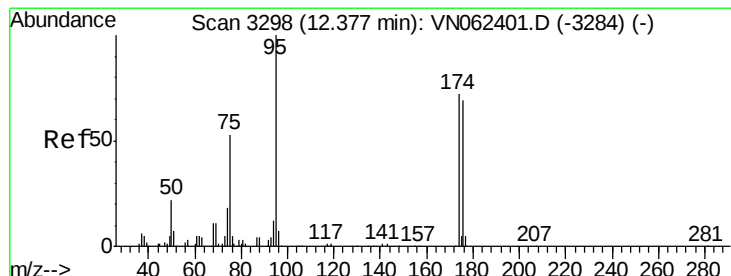
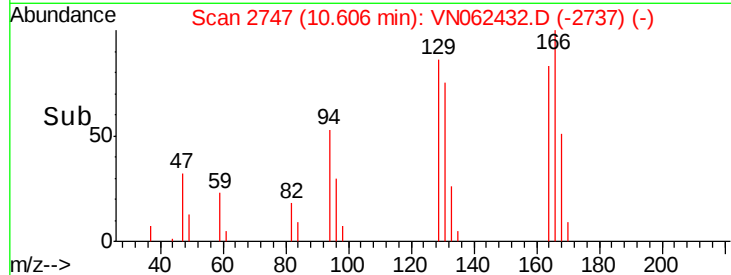
3000

2000

1000

0

Time--> 10.55 10.60 10.65



#62

4-Bromofluorobenzene

Concen: 51.712 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062432.D

Acq: 9 Jul 2020 2:23

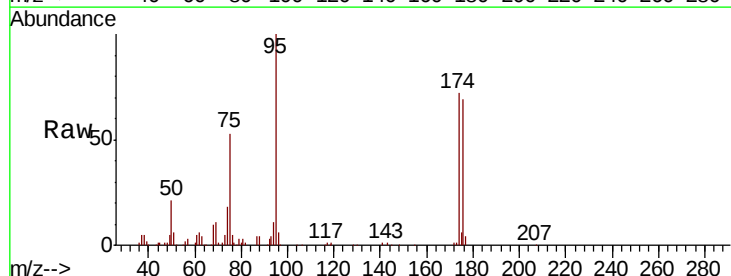
Tgt Ion: 95 Resp: 143871

Ion Ratio Lower Upper

95 100

174 71.5 0.0 141.6

176 68.1 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.38

100000

80000

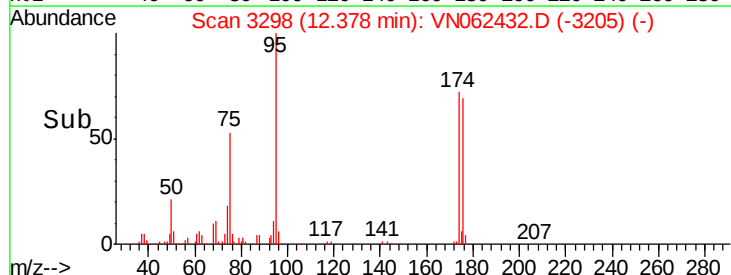
60000

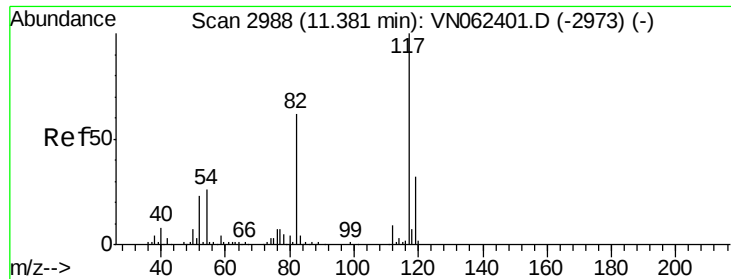
40000

20000

0

Time--> 12.30 12.40 12.50

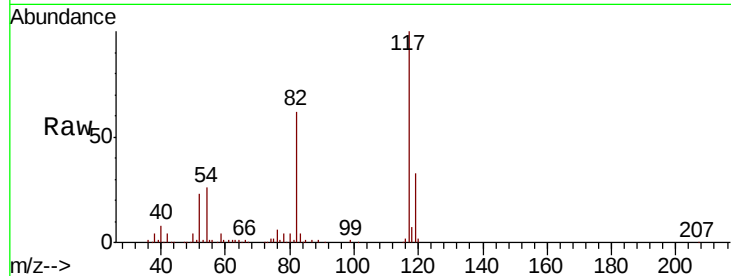




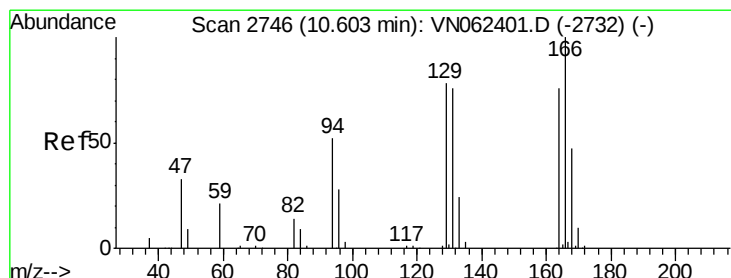
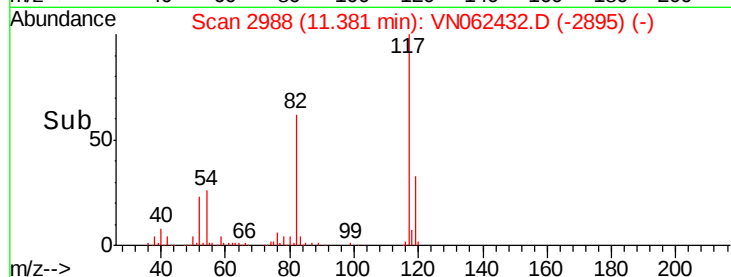
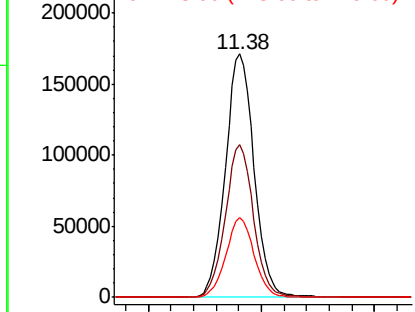
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062432.D
Acq: 9 Jul 2020 2:23

Instrument :
MSVOA_N
ClientSampled :
MW-9

Tot Ion:117 Resp: 301957
Ion Ratio Lower Upper
117 100
82 62.5 49.6 74.4
119 32.5 25.4 38.0

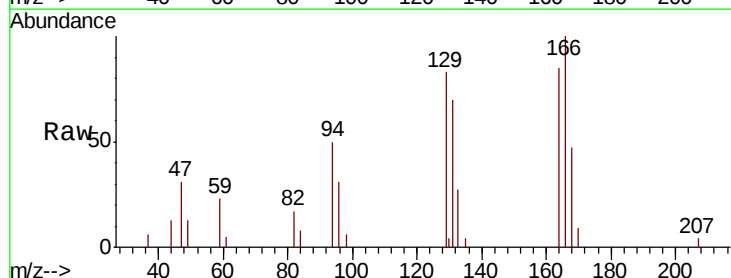


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

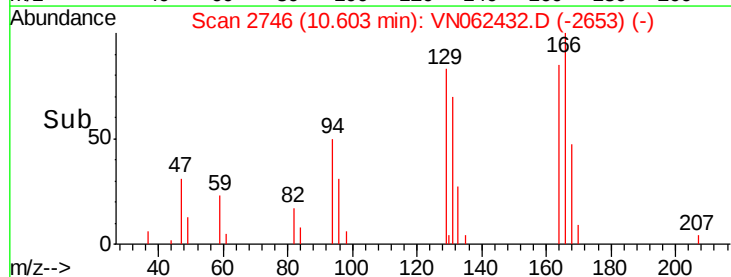
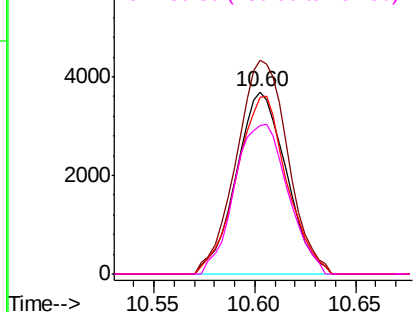


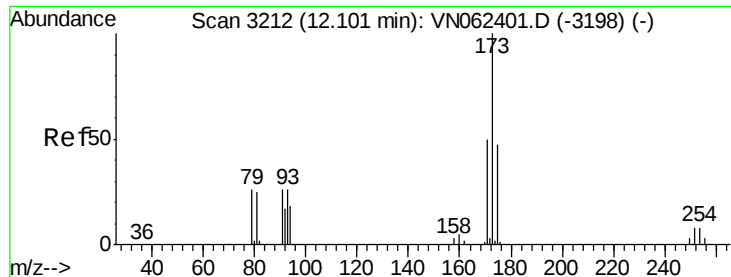
#64
Tetrachloroethene
Concen: 3.581 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062432.D
Acq: 9 Jul 2020 2:23

Tgt Ion:164 Resp: 6417
Ion Ratio Lower Upper
164 100
166 117.3 104.9 157.3
129 96.9 81.8 122.6
131 81.6 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

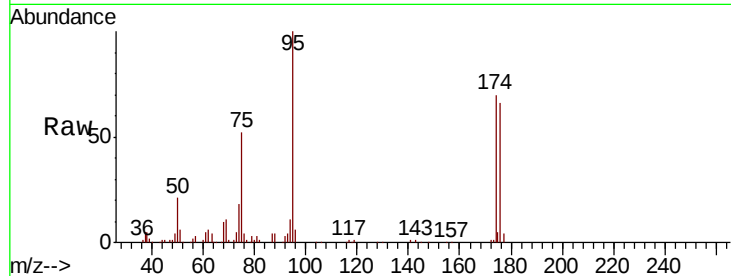




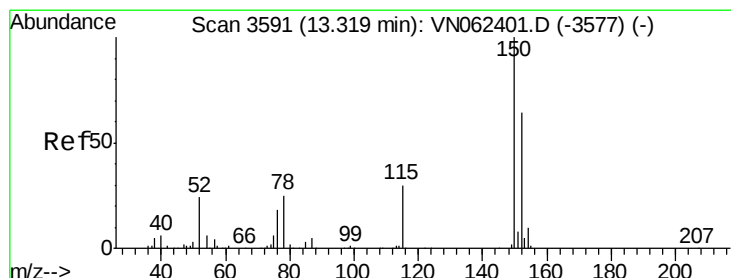
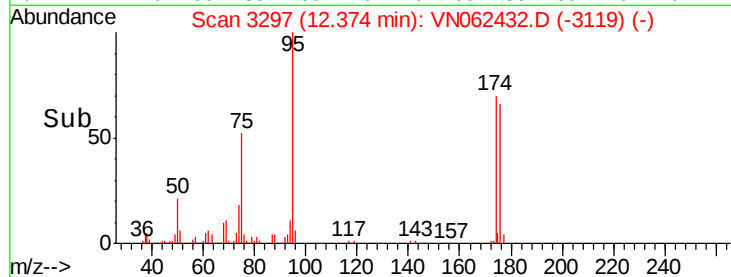
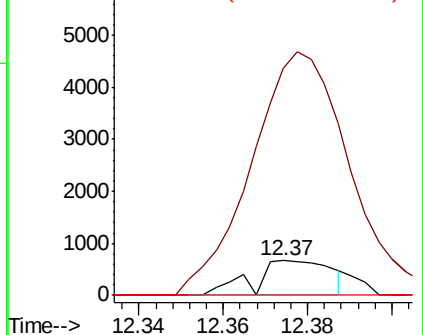
#71
Bromoform
Concen: 0.543 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062432.D
Acq: 9 Jul 2020 2:23

Instrument :
MSVOA_N
ClientSampled :
MW-9

Tot Ion:173 Resp: 862
Ion Ratio Lower Upper
173 100
175 728.4 23.7 71.1#
254 0.0 0.0 0.0

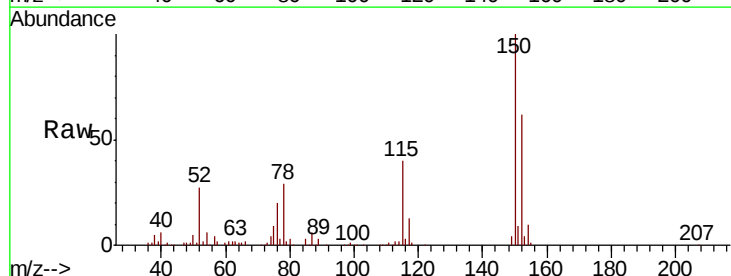


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

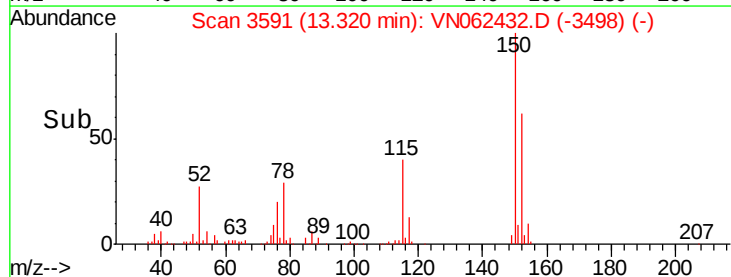
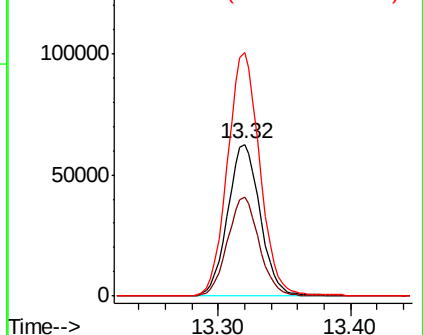


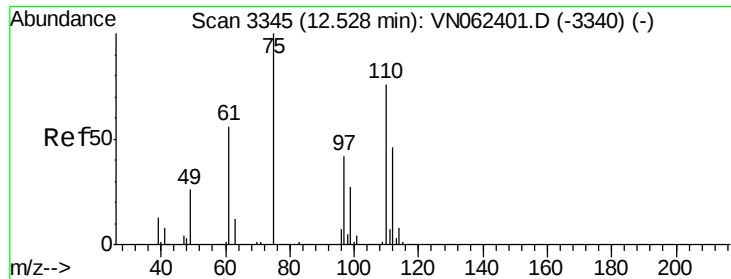
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062432.D
Acq: 9 Jul 2020 2:23

Tgt Ion:152 Resp: 106529
Ion Ratio Lower Upper
152 100
115 63.4 31.4 94.2
150 160.2 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: 28.756 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062432.D

Acq: 9 Jul 2020 2:23

Instrument :

MSVOA_N

ClientSampled :

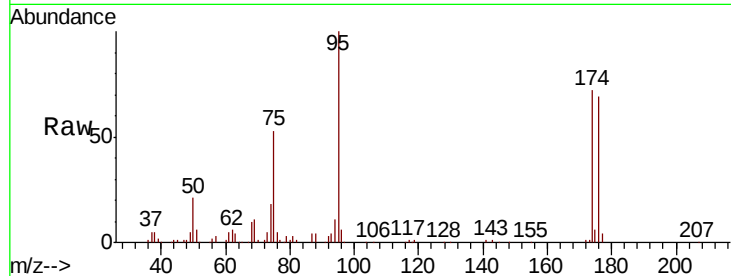
MW-9

Tot Ion: 75 Resp: 75165

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

50000

40000

30000

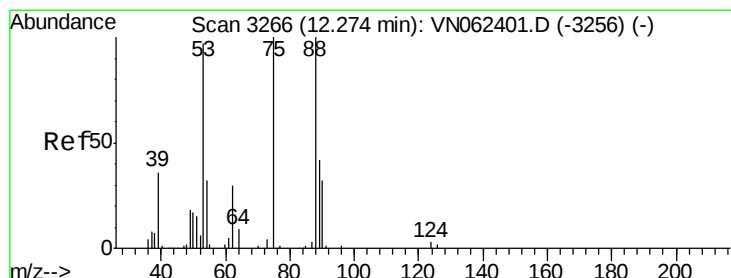
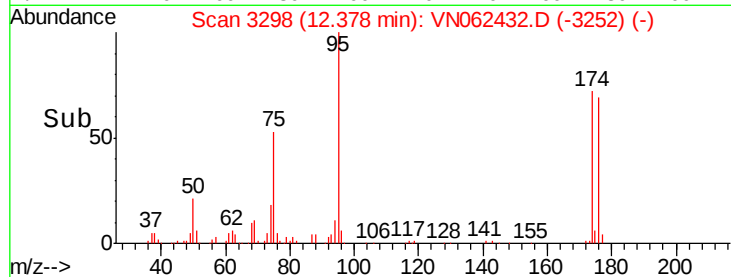
20000

10000

0

Time-->

12.30 12.40



#81

trans-1,4-Dichloro-2-butene

Concen: 76.969 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062432.D

Acq: 9 Jul 2020 2:23

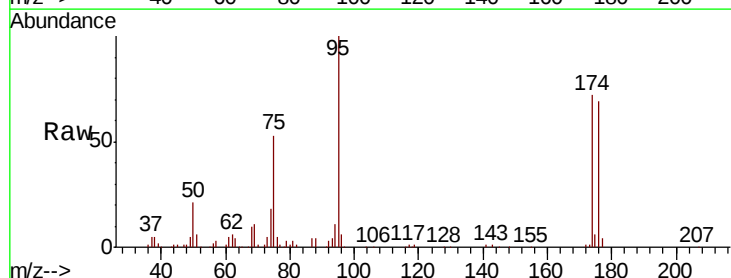
Tgt Ion: 75 Resp: 75165

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

12.38

60000

50000

40000

30000

20000

10000

0

Time-->

12.30 12.40

