

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063498.D
 Acq On : 21 Sep 2020 20:07
 Operator : JC/MD
 Sample : L4072-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9

Quant Time: Sep 22 02:28:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	261844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	498190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	487235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	210760	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	213350	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
35) Dibromofluoromethane	7.55	113	157471	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
50) Toluene-d8	10.06	98	634390	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.38	95	251036	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	

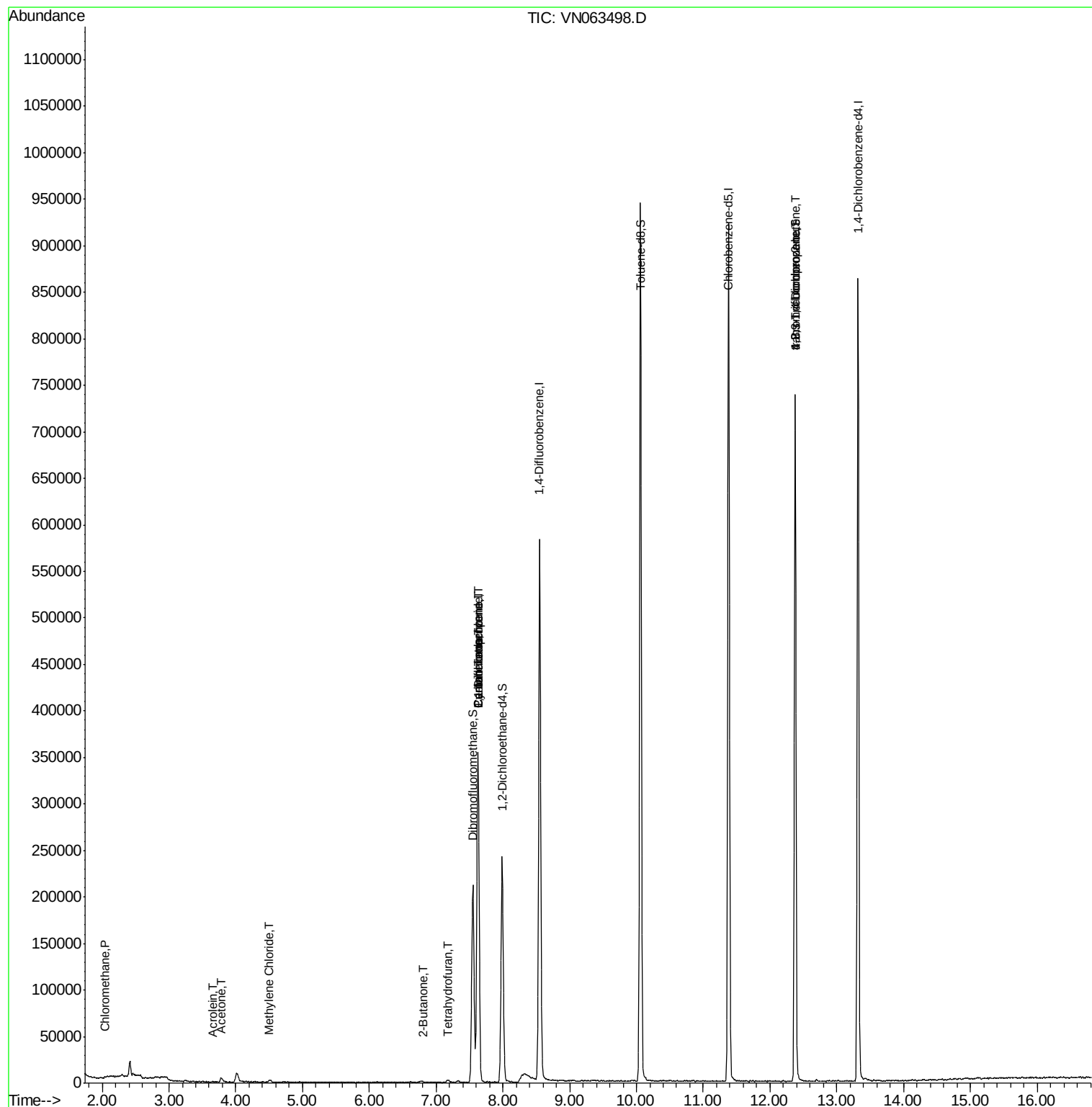
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	860	0.219	ug/l	96
13) Acrolein	3.66	56	75	0.328	ug/l #	13
16) Acetone	3.78	43	6465	4.513	ug/l #	80
20) Methylene Chloride	4.50	84	1154	0.318	ug/l #	71
25) 2-Butanone	6.80	43	491	0.223	ug/l #	51
29) Tetrahydrofuran	7.16	42	883	0.587	ug/l #	66
31) Cyclohexane	7.63	56	7809	1.269	ug/l #	43
36) 1,1-Dichloropropene	7.63	75	24378	4.593	ug/l #	52
38) Carbon Tetrachloride	7.63	117	28910	5.336	ug/l #	18
76) 1,2,3-Trichloropropane	12.38	75	139440	26.730	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	139440	73.284	ug/l #	7

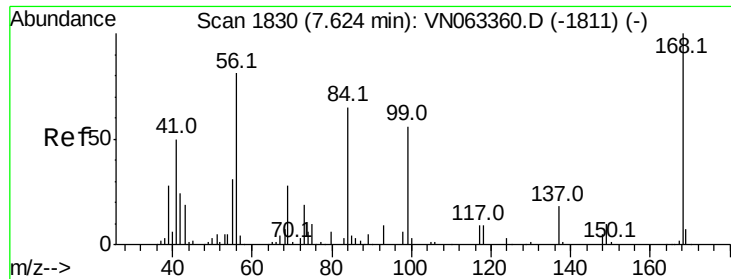
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063498.D

Acq: 21 Sep 2020 20:07

Instrument :

MSVOA_N

ClientSampled :

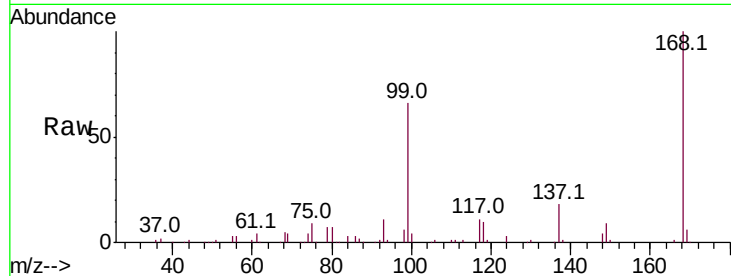
MW-9

Tot Ion:168 Resp: 261844

Ion Ratio Lower Upper

168 100

99 66.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

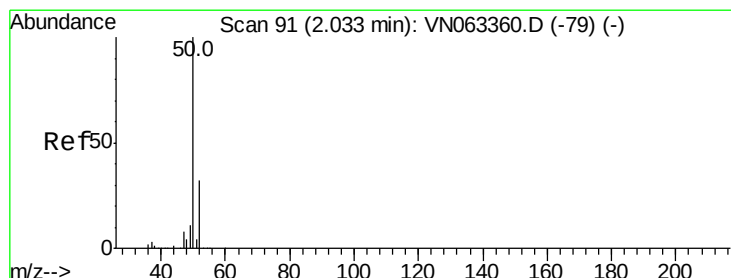
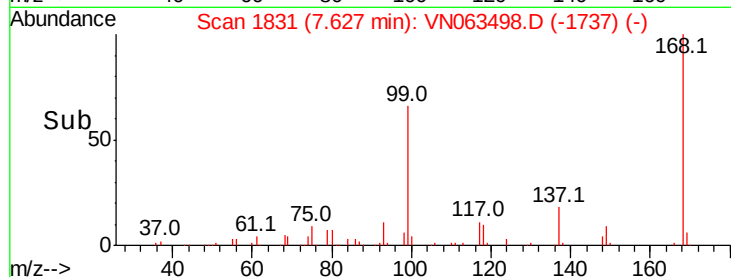
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.219 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063498.D

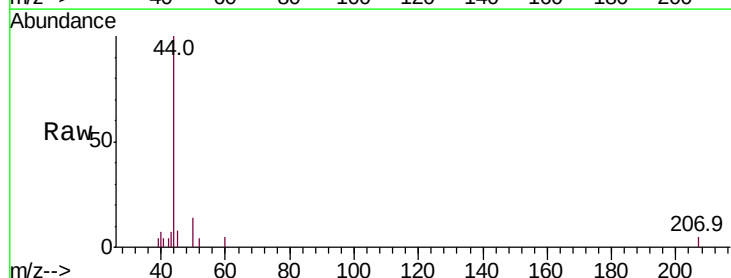
Acq: 21 Sep 2020 20:07

Tgt Ion: 50 Resp: 860

Ion Ratio Lower Upper

50 100

52 30.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

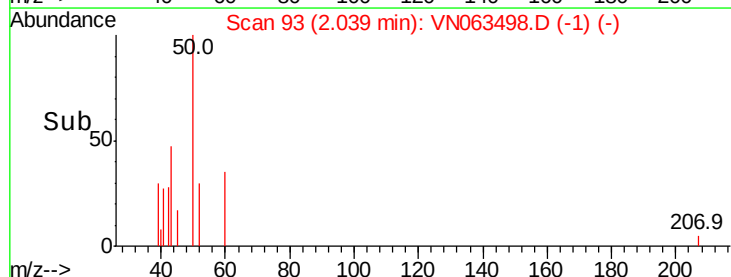
600

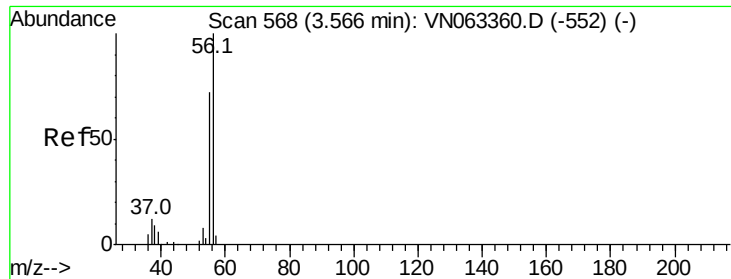
400

200

0

Time--> 2.00 2.02 2.04 2.06





#13

Acrolein

Concen: 0.328 ug/l

RT: 3.66 min Scan# 598

Delta R.T. 0.10 min

Lab File: VN063498.D

Acq: 21 Sep 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

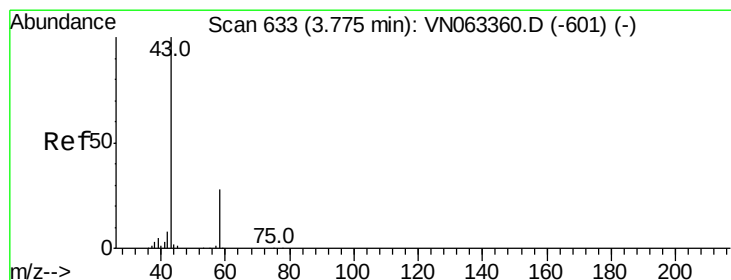
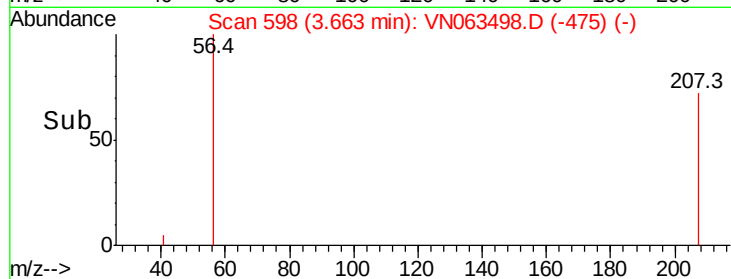
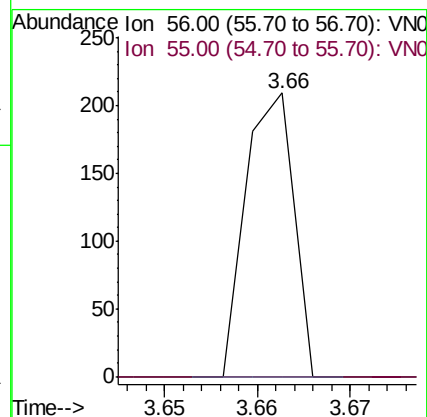
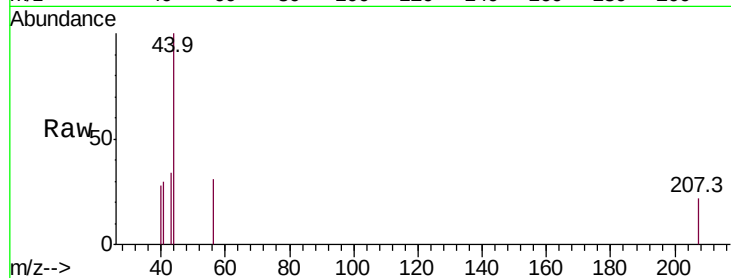
MW-9

Tot Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#16

Acetone

Concen: 4.513 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063498.D

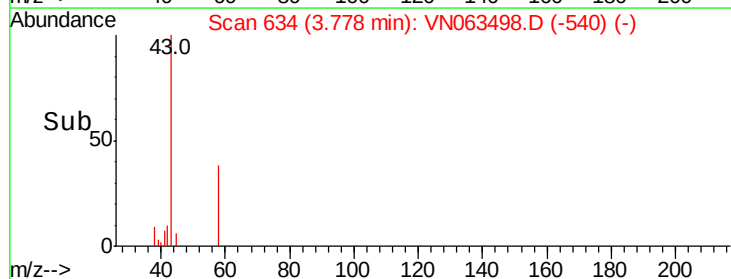
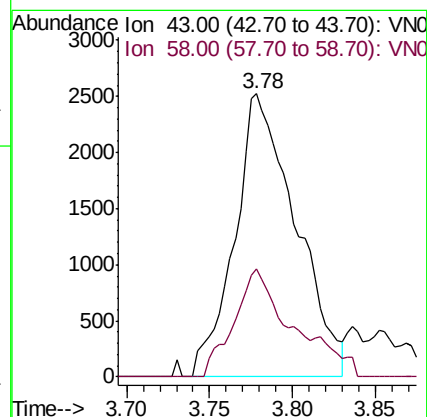
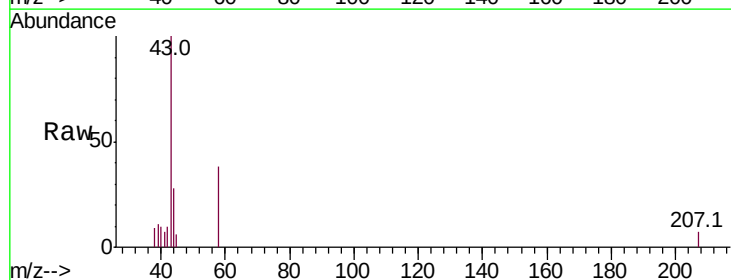
Acq: 21 Sep 2020 20:07

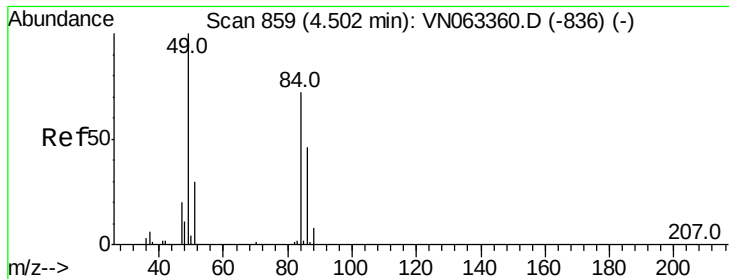
Tgt Ion: 43 Resp: 6465

Ion Ratio Lower Upper

43 100

58 38.2 22.3 33.5#

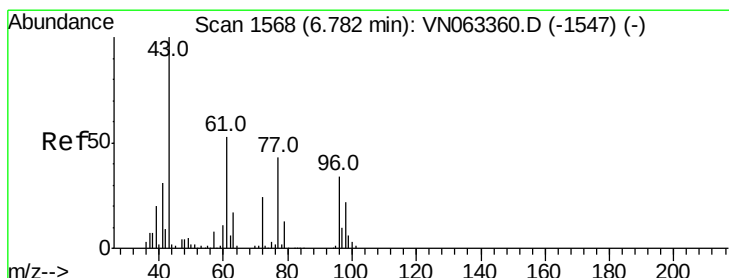
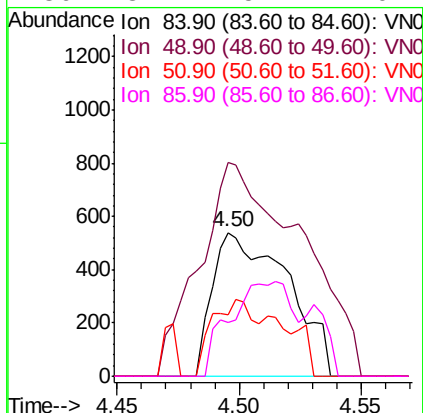
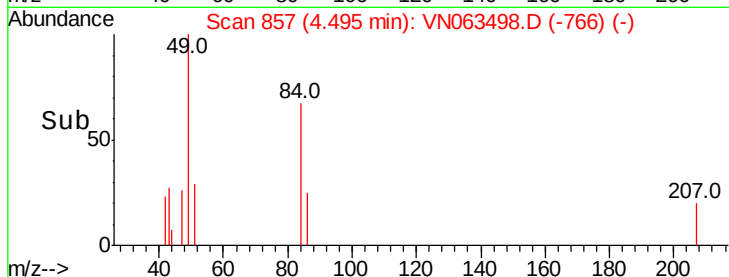
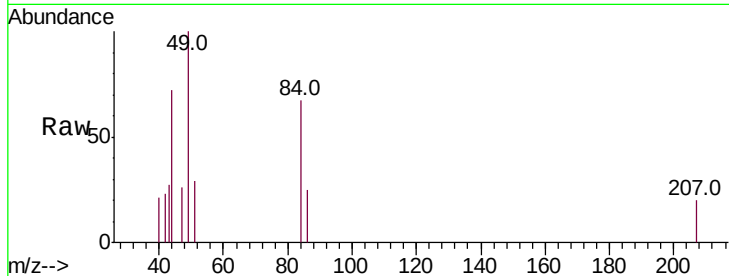




#20
Methvlene Chloride
Concen: 0.318 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063498.D
Acq: 21 Sep 2020 20:07

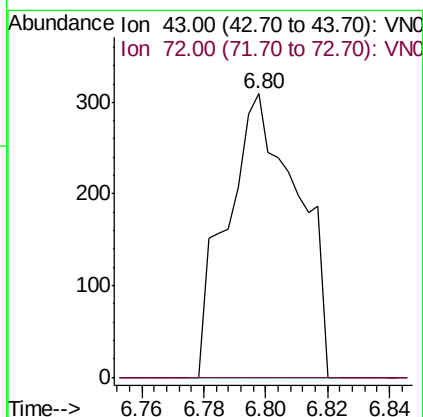
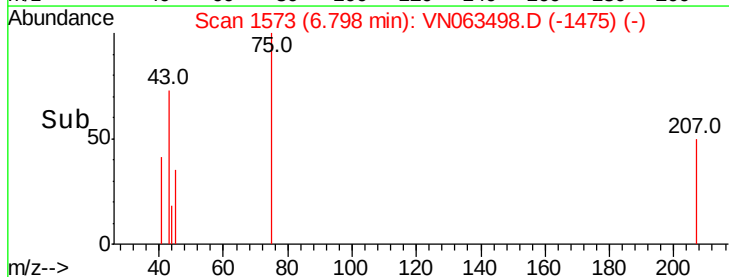
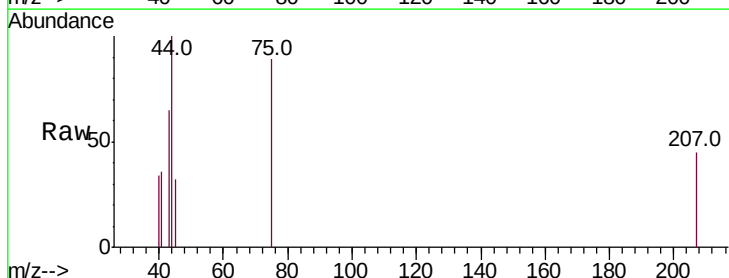
Instrument :
MSVOA_N
ClientSampled :
MW-9

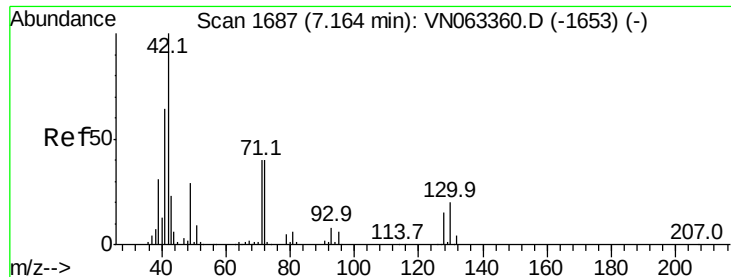
Tot Ion: 84 Resp: 1154
Ion Ratio Lower Upper
84 100
49 95.9 110.7 166.1#
51 42.6 32.9 49.3
86 37.4 51.1 76.7#



#25
2-Butanone
Concen: 0.223 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.02 min
Lab File: VN063498.D
Acq: 21 Sep 2020 20:07

Tgt Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.587 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN063498.D

Acq: 21 Sep 2020 20:07

Instrument :

MSVOA_N

ClientSampled :

MW-9

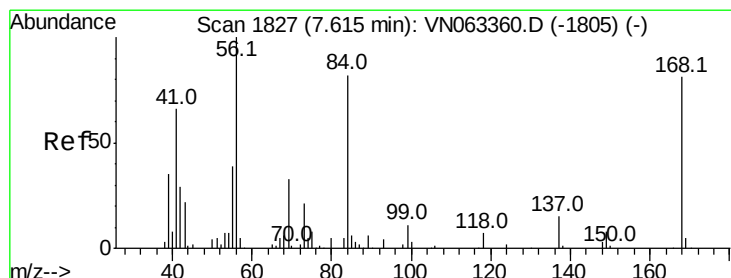
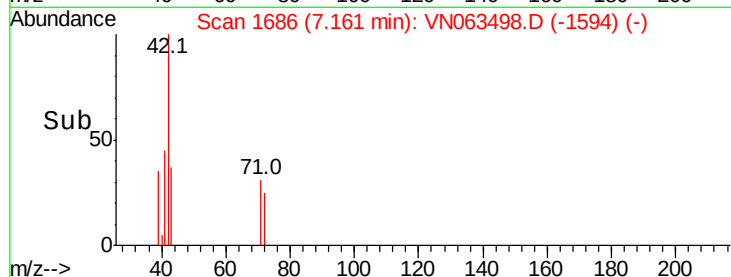
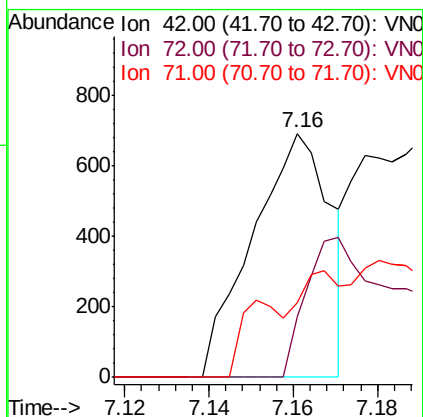
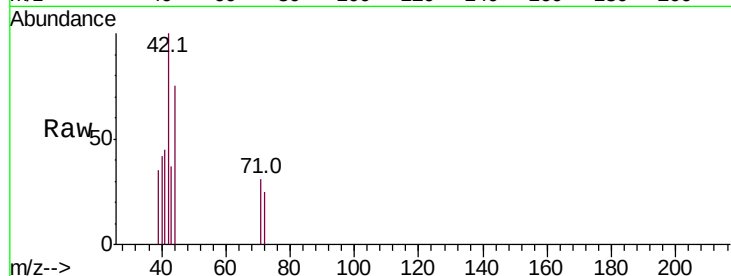
Tot Ion: 42 Resp: 883

Ion Ratio Lower Upper

42 100

72 66.5 32.1 48.1#

71 23.3 31.2 46.8#



#31

Cyclohexane

Concen: 1.269 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063498.D

Acq: 21 Sep 2020 20:07

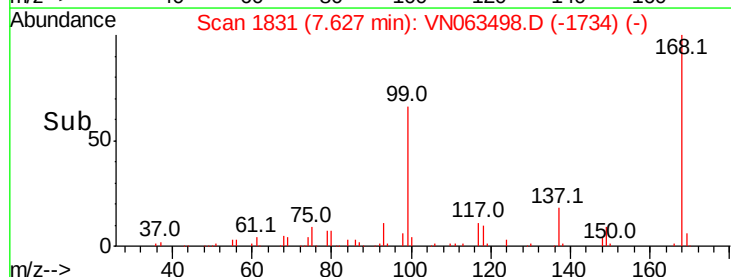
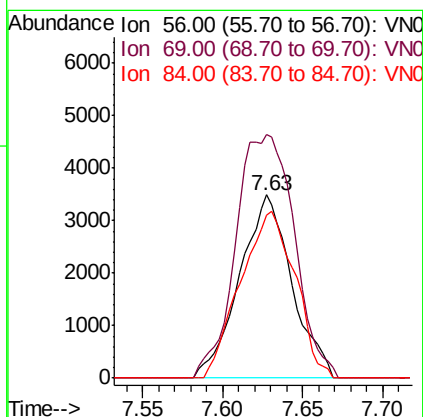
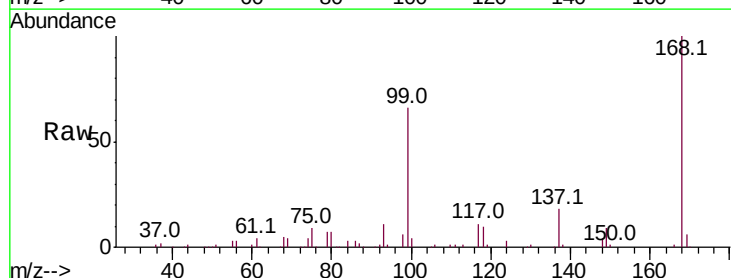
Tgt Ion: 56 Resp: 7809

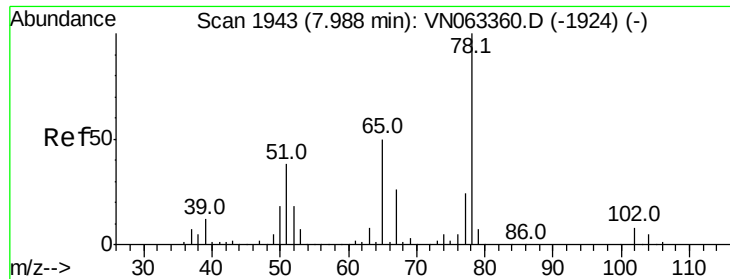
Ion Ratio Lower Upper

56 100

69 133.1 26.1 39.1#

84 89.3 65.4 98.2

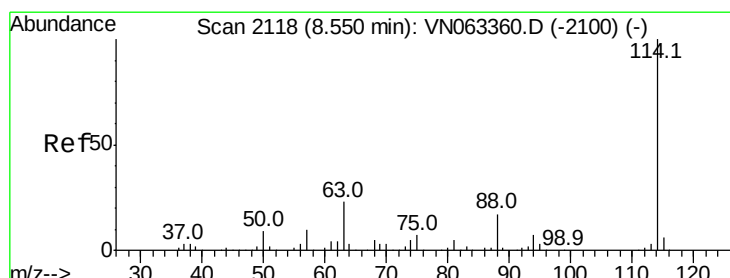
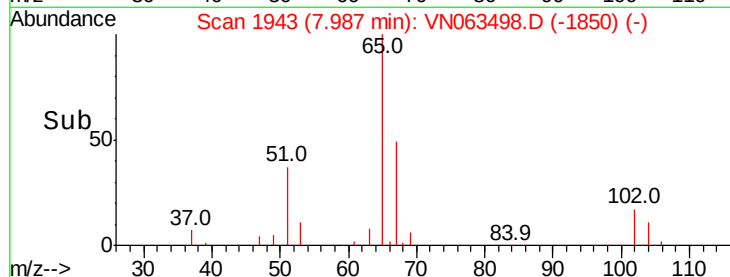
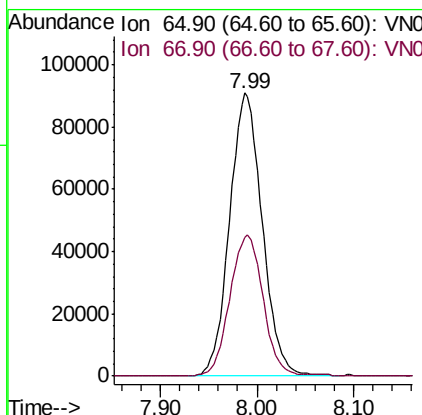
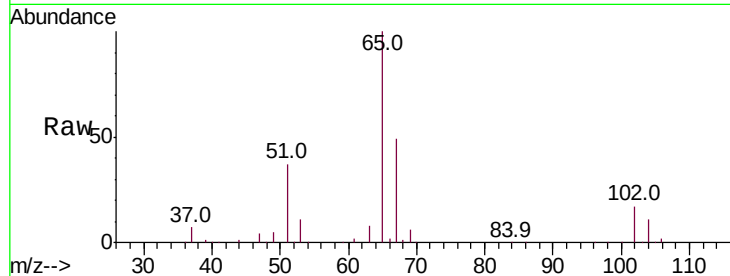




#33
 1,2-Dichloroethane-d4
 Concen: 47.866 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063498.D
 Acq: 21 Sep 2020 20:07

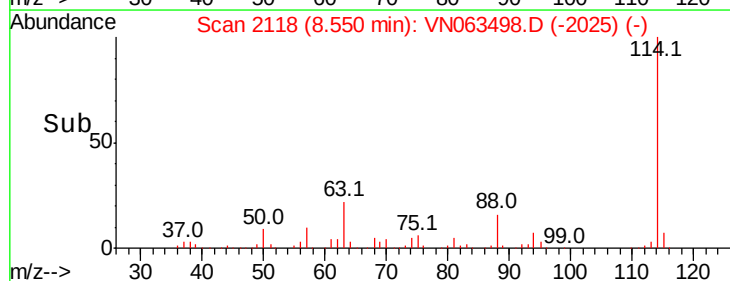
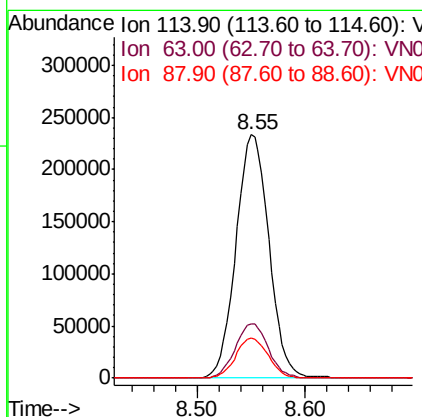
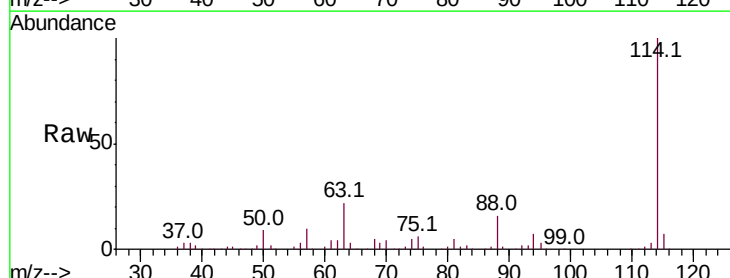
Instrument :
 MSVOA_N
 ClientSampled :
 MW-9

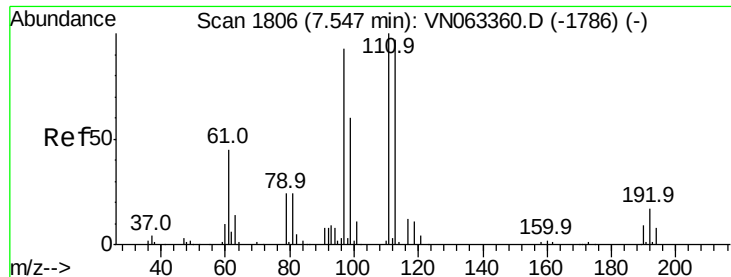
Tot Ion: 65 Resp: 213350
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063498.D
 Acq: 21 Sep 2020 20:07

Tgt Ion: 114 Resp: 498190
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 46.4
 88 16.3 0.0 33.2

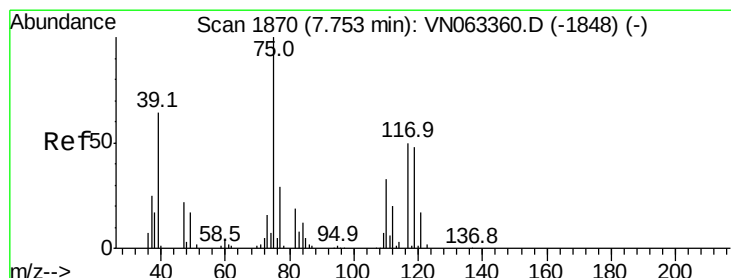
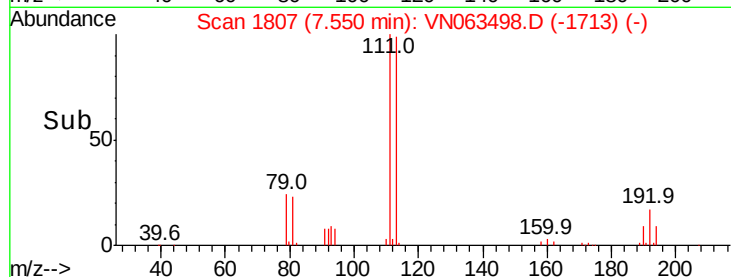
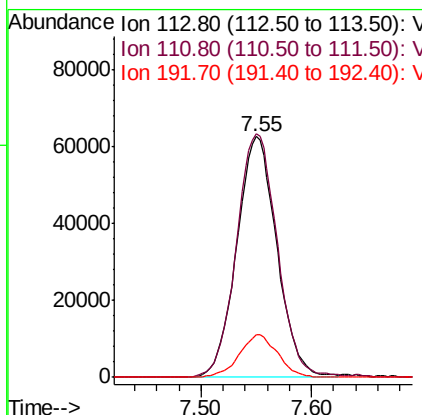
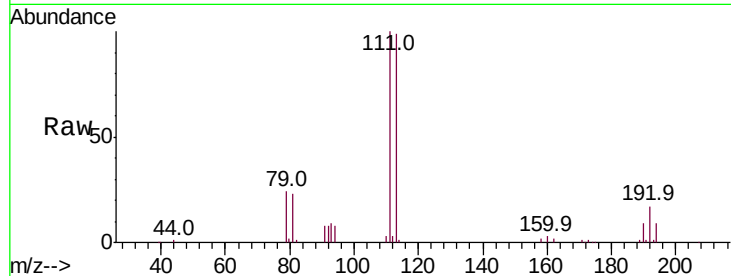




#35
 Dibromofluoromethane
 Concen: 45.659 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063498.D
 Acq: 21 Sep 2020 20:07

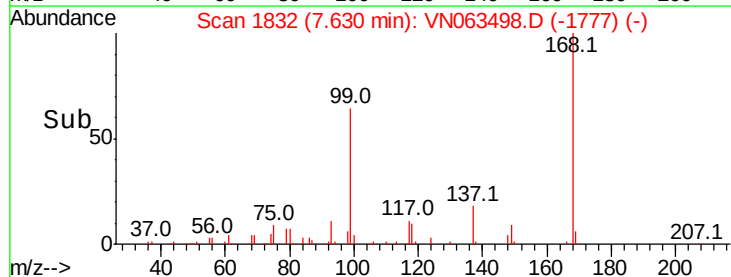
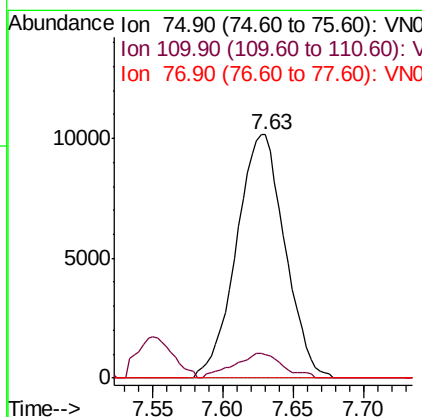
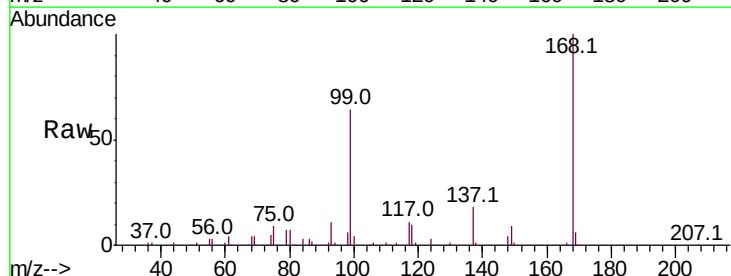
Instrument :
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 ClientSampleId :
 MW-9

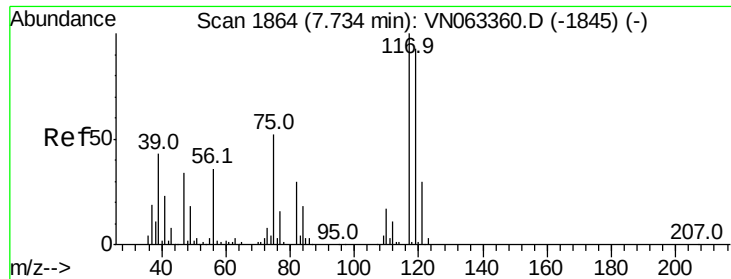
Tot Ion:113 Resp: 157471
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.9 124.3
 192 17.1 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.593 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN063498.D
 Acq: 21 Sep 2020 20:07

Tgt Ion: 75 Resp: 24378
 Ion Ratio Lower Upper
 75 100
 110 10.2 16.5 49.5#
 77 0.0 24.6 36.8#

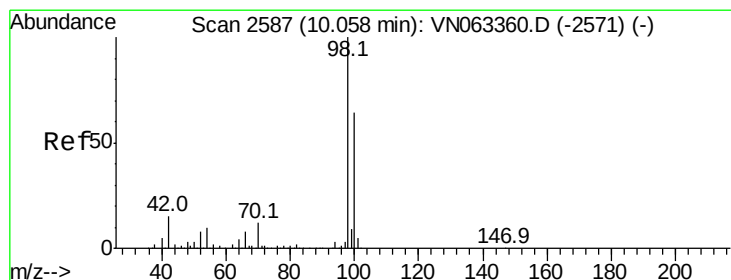
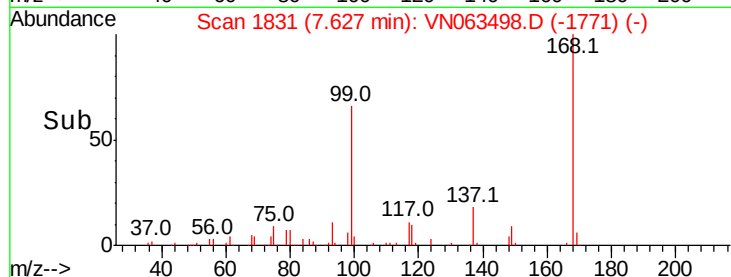
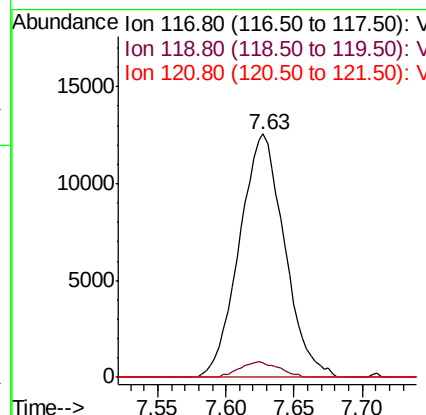
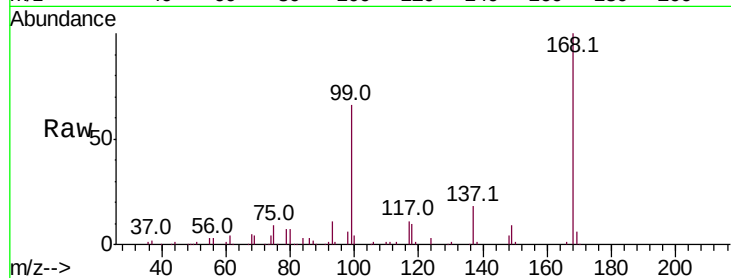




#38
Carbon Tetrachloride
Concen: 5.336 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063498.D
Acq: 21 Sep 2020 20:07

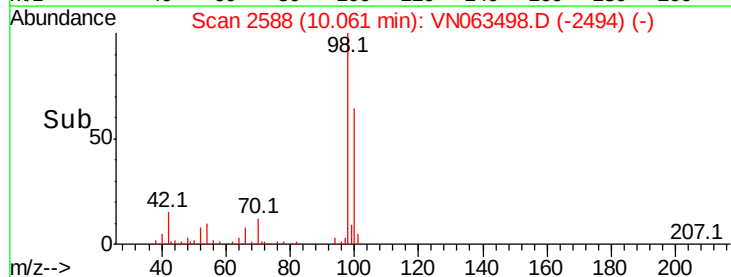
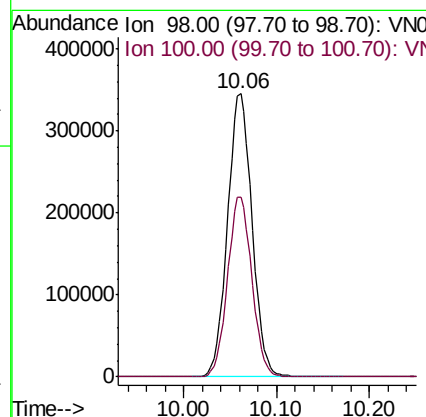
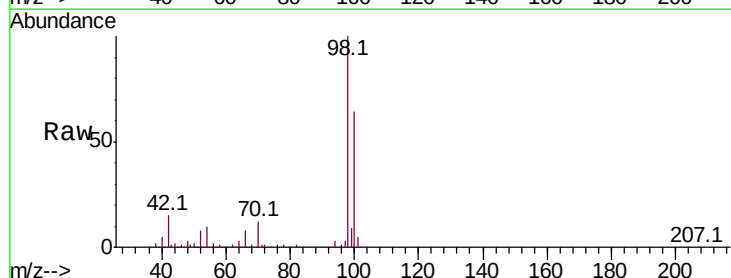
Instrument :
MSVOA_N
ClientSampled :
MW-9

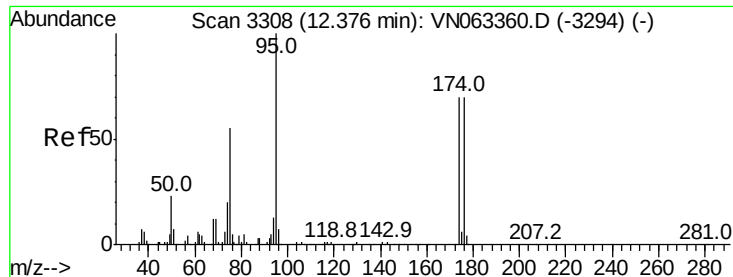
Tot Ion:117 Resp: 28910
Ion Ratio Lower Upper
117 100
119 5.8 74.5 111.7#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 48.918 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063498.D
Acq: 21 Sep 2020 20:07

Tgt Ion: 98 Resp: 634390
Ion Ratio Lower Upper
98 100
100 63.1 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 52.806 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063498.D

Acq: 21 Sep 2020 20:07

Instrument :

MSVOA_N

ClientSampled :

MW-9

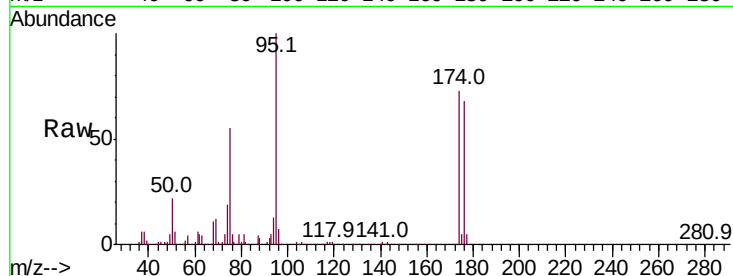
Tot Ion: 95 Resp: 251036

Ion Ratio Lower Upper

95 100

174 72.1 0.0 140.8

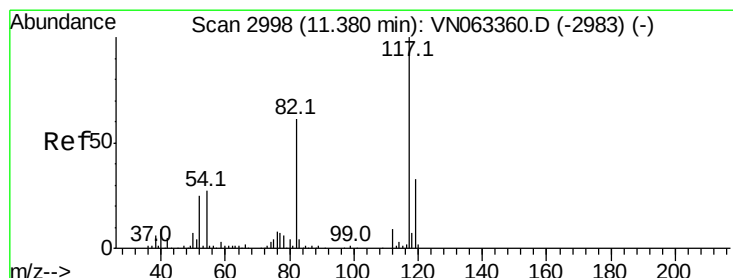
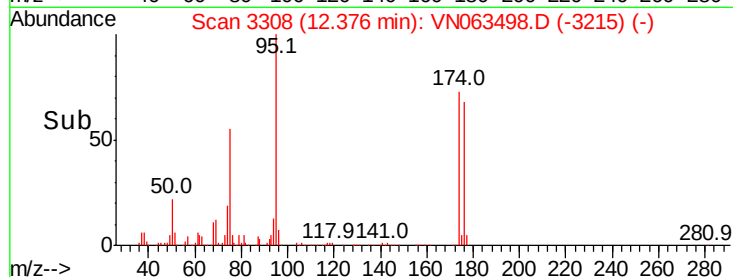
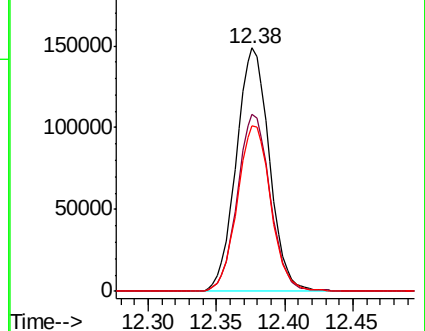
176 68.9 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063498.D

Acq: 21 Sep 2020 20:07

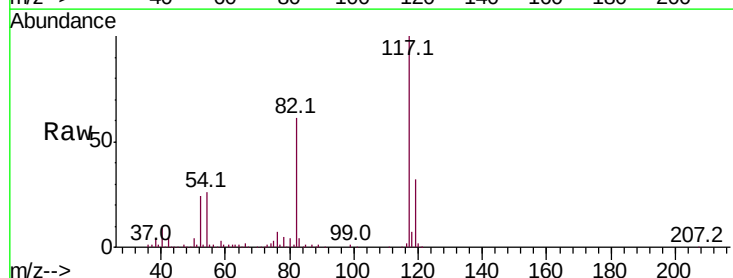
Tgt Ion: 117 Resp: 487235

Ion Ratio Lower Upper

117 100

82 60.5 49.2 73.8

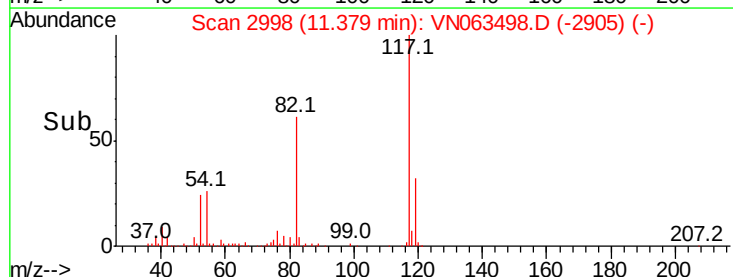
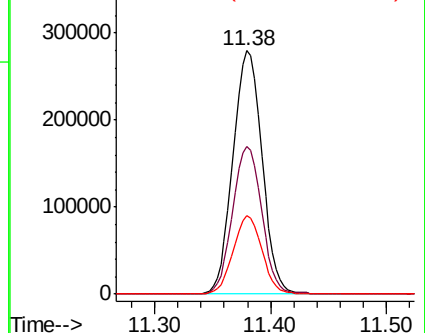
119 32.0 26.2 39.4

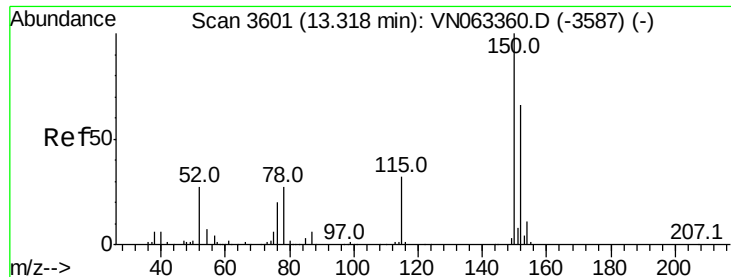


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063498.D

Acq: 21 Sep 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

MW-9

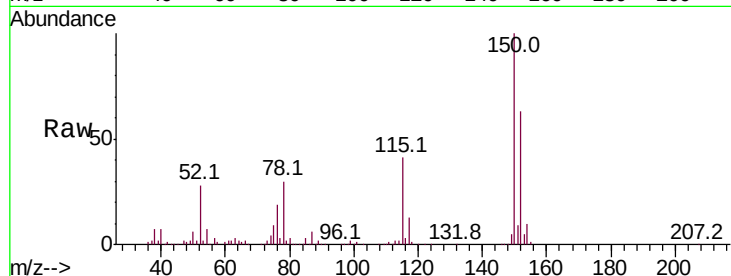
Tot Ion:152 Resp: 210760

Ion Ratio Lower Upper

152 100

115 63.5 32.2 96.6

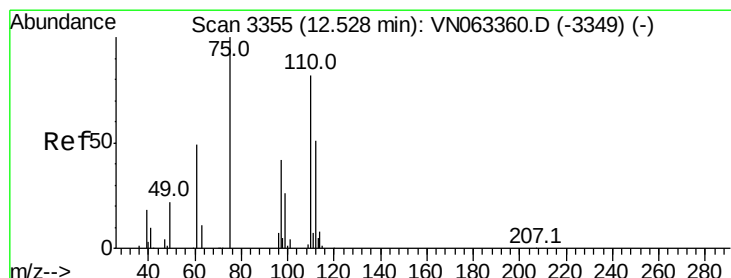
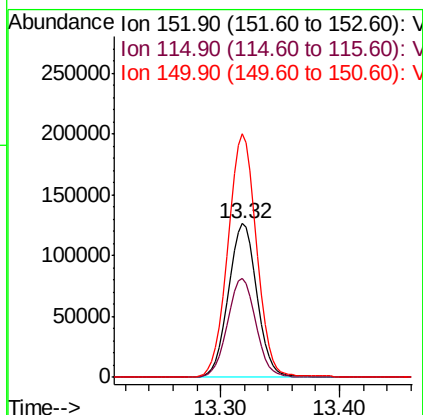
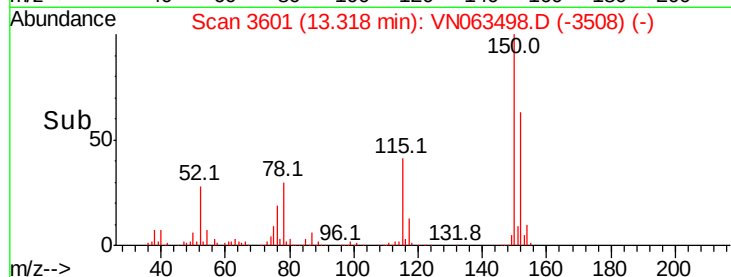
150 157.7 0.0 343.4



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: 26.730 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063498.D

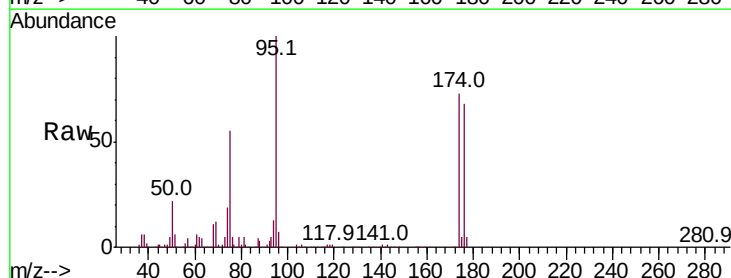
Acq: 21 Sep 2020 20:07

Tgt Ion: 75 Resp: 139440

Ion Ratio Lower Upper

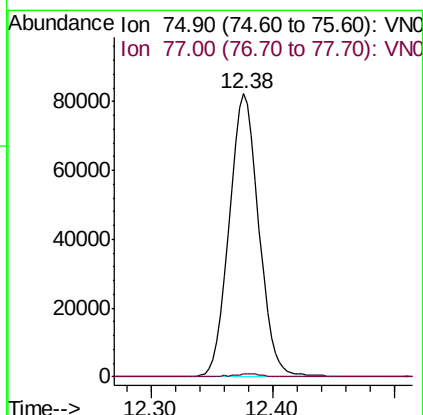
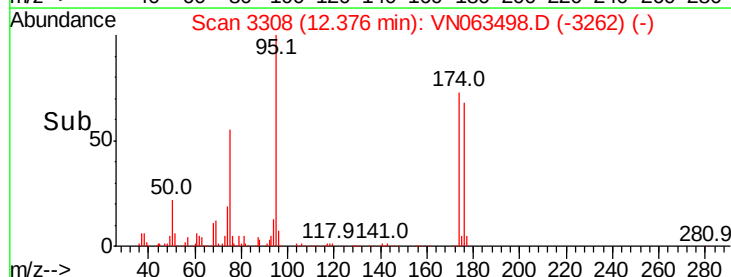
75 100

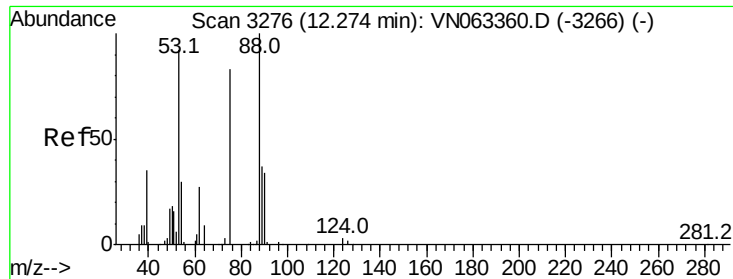
77 1.1 0.0 0.0#



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: 73.284 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063498.D

Acq: 21 Sep 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

MW-9

Tot Ion: 75 Resp: 139440

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

