

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063534.D
 Acq On : 22 Sep 2020 15:44
 Operator : JC/MD
 Sample : L4072-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-091720

Quant Time: Sep 23 04:01:32 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	223258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	415842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	413429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170053	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	181351	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
35) Dibromofluoromethane	7.55	113	131102	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
50) Toluene-d8	10.06	98	525200	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.38	95	204999	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	

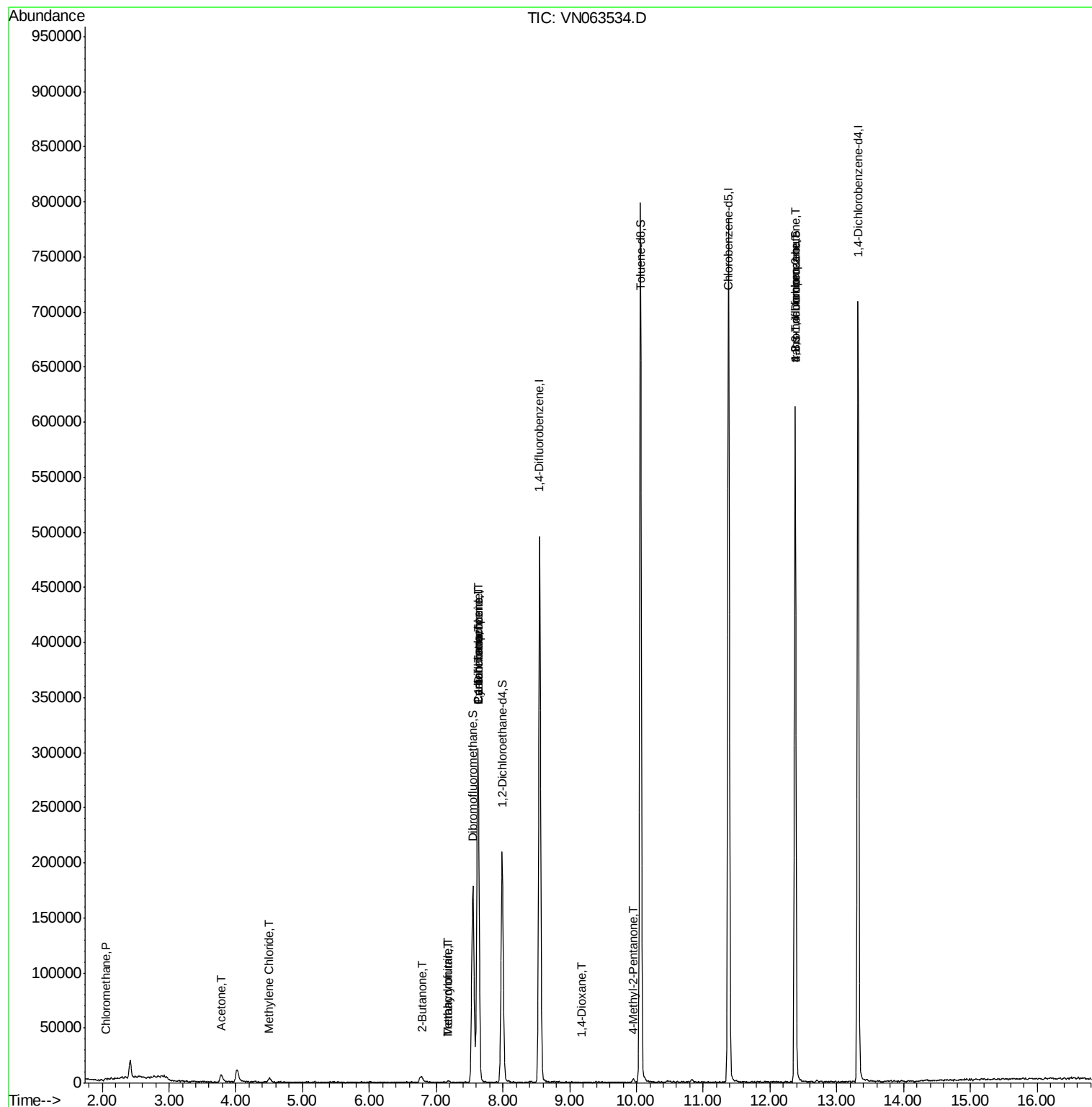
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	979	0.293	ug/l	93
16) Acetone	3.78	43	12270	10.046	ug/l	99
20) Methylene Chloride	4.51	84	2293	0.741	ug/l #	84
25) 2-Butanone	6.80	43	1562	0.832	ug/l #	51
29) Tetrahydrofuran	7.17	42	952	0.742	ug/l #	62
31) Cyclohexane	7.63	56	6306	1.201	ug/l #	22
36) 1,1-Dichloropropene	7.62	75	21230	4.792	ug/l #	48
38) Carbon Tetrachloride	7.62	117	25383	5.613	ug/l #	18
41) Methacrylonitrile	7.18	41	567	0.290	ug/l #	100
49) 1,4-Dioxane	9.18	88	65	1.186	ug/l #	20
51) 4-Methyl-2-Pentanone	9.95	43	3023	0.695	ug/l #	83
76) 1,2,3-Trichloropropane	12.38	75	114096	27.107	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	114096	74.318	ug/l #	7

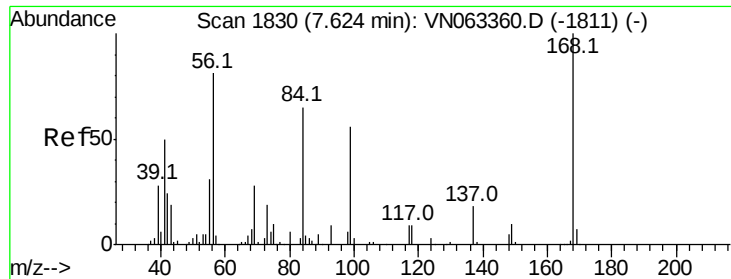
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092220\
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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: VN063534.D

Acq: 22 Sep 2020 15:44

Instrument :

MSVOA_N

ClientSampled :

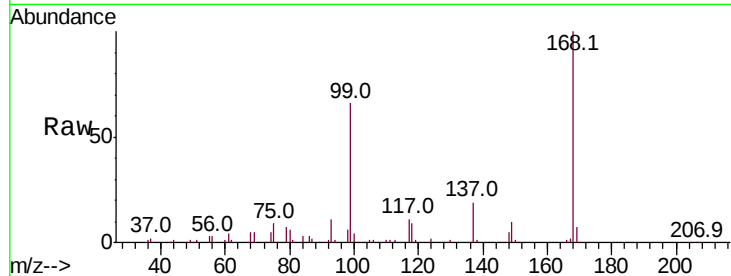
FB-091720

Tot Ion:168 Resp: 223258

Ion Ratio Lower Upper

168 100

99 65.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

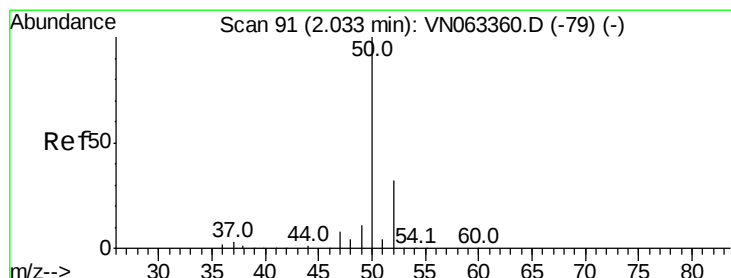
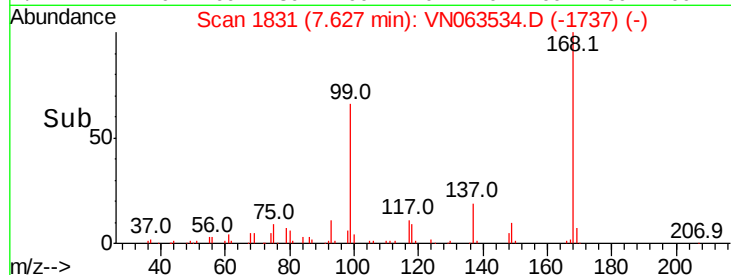
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.293 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063534.D

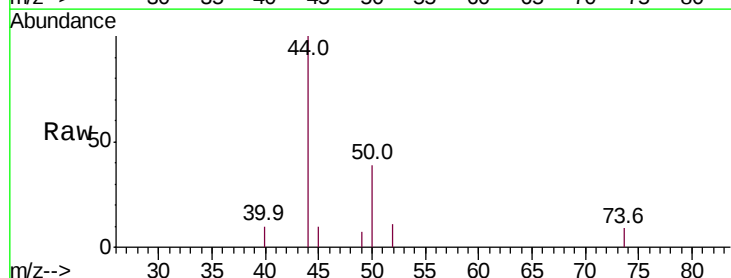
Acq: 22 Sep 2020 15:44

Tgt Ion: 50 Resp: 979

Ion Ratio Lower Upper

50 100

52 28.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1000

800

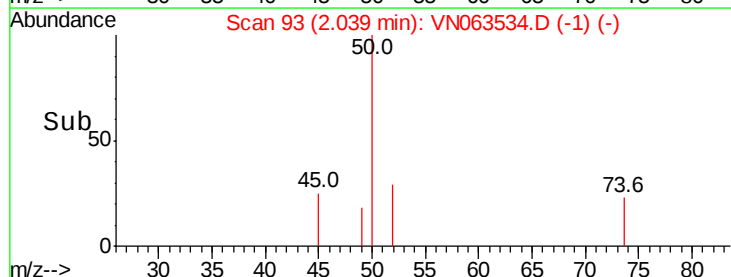
600

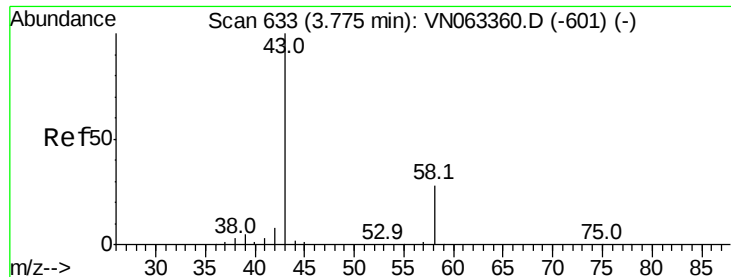
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08





#16

Acetone

Concen: 10.046 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063534.D

Acq: 22 Sep 2020 15:44

Instrument :

MSVOA_N

ClientSampleId :

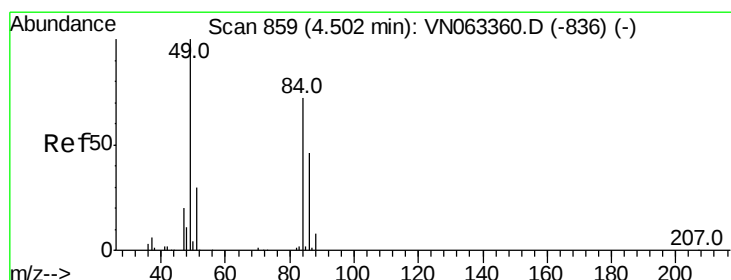
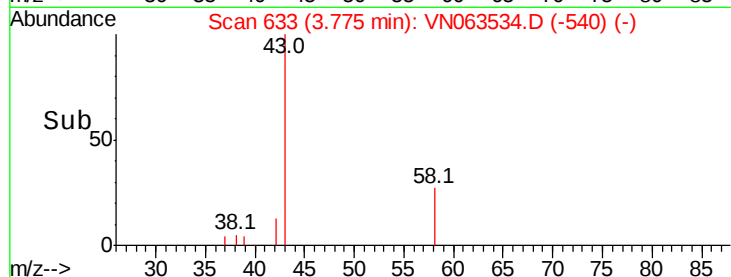
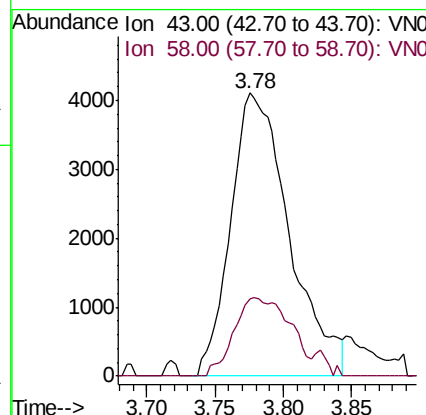
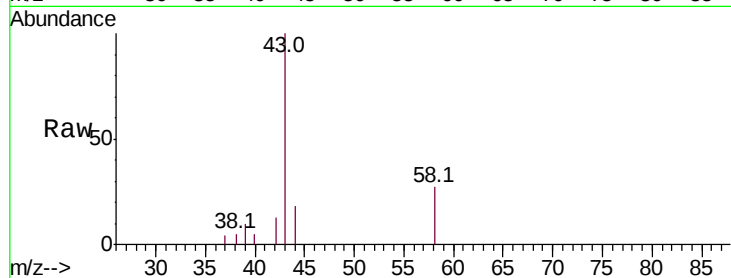
FB-091720

Tot Ion: 43 Resp: 12270

Ion Ratio Lower Upper

43 100

58 27.2 22.3 33.5



#20

Methylene Chloride

Concen: 0.741 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN063534.D

Acq: 22 Sep 2020 15:44

Tgt Ion: 84 Resp: 2293

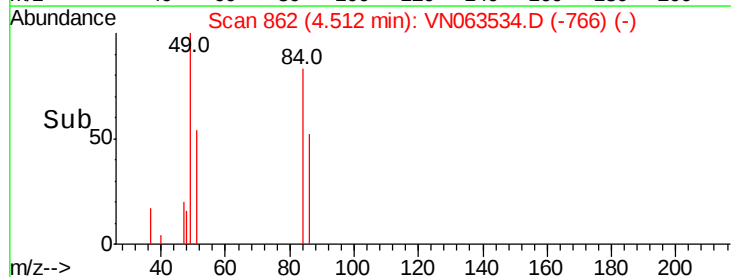
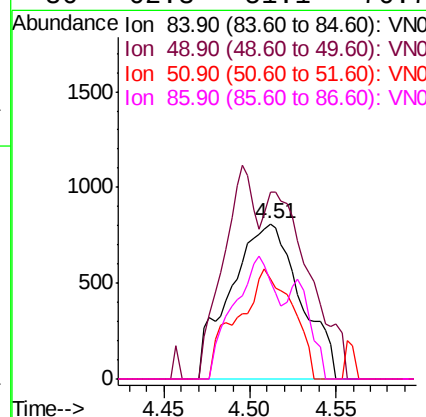
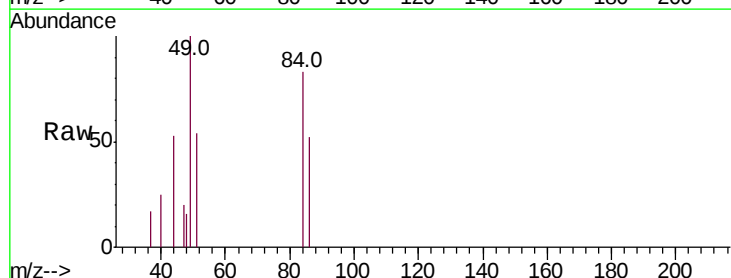
Ion Ratio Lower Upper

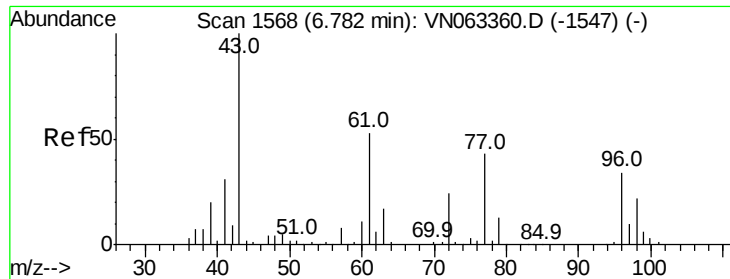
84 100

49 119.8 110.7 166.1

51 64.4 32.9 49.3#

86 62.3 51.1 76.7

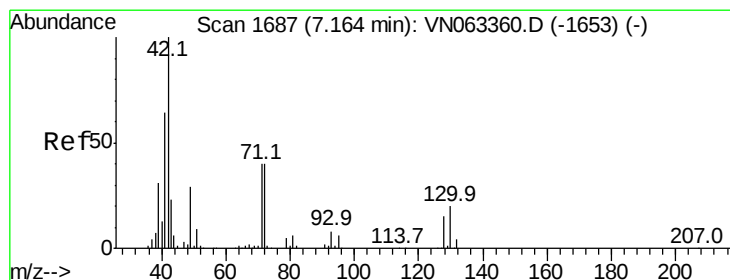
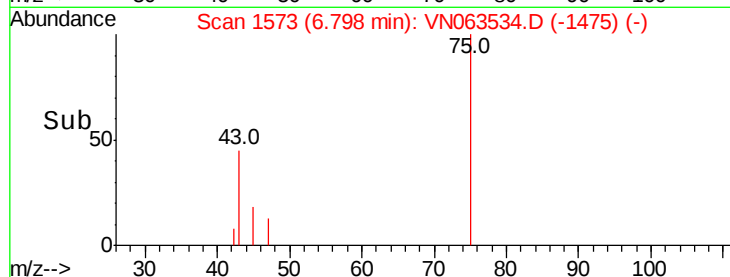
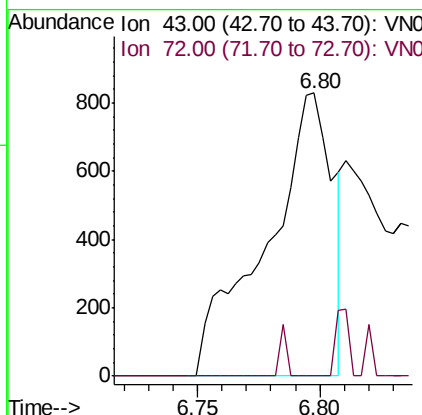
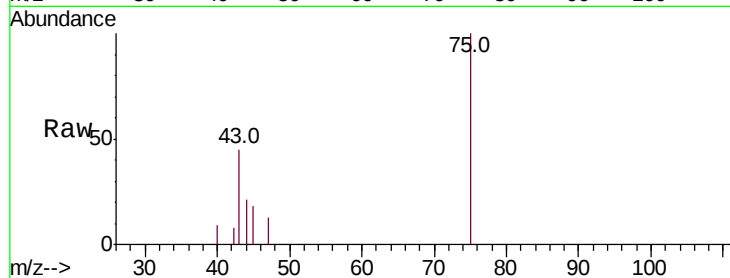




#25
2-Butanone
Concen: 0.832 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.02 min
Lab File: VN063534.D
Acq: 22 Sep 2020 15:44

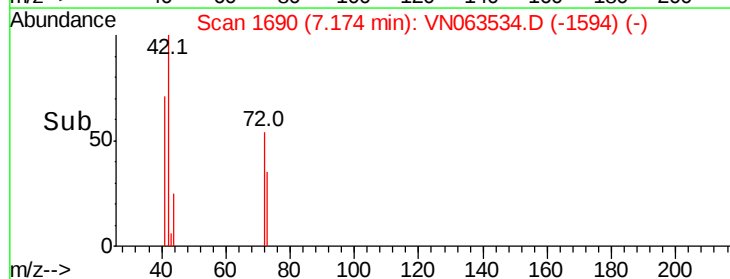
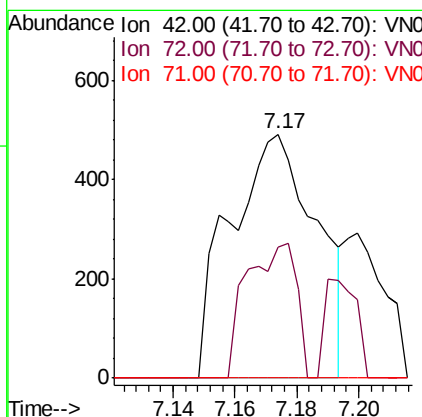
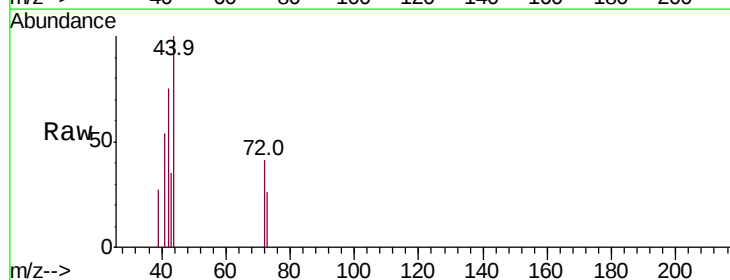
Instrument :
MSVOA_N
ClientSampled :
FB-091720

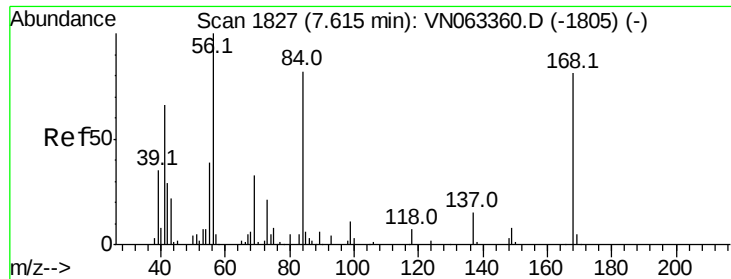
Tot Ion: 43 Resp: 1562
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#29
Tetrahydrofuran
Concen: 0.742 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN063534.D
Acq: 22 Sep 2020 15:44

Tgt Ion: 42 Resp: 952
Ion Ratio Lower Upper
42 100
72 31.6 32.1 48.1#
71 0.0 31.2 46.8#

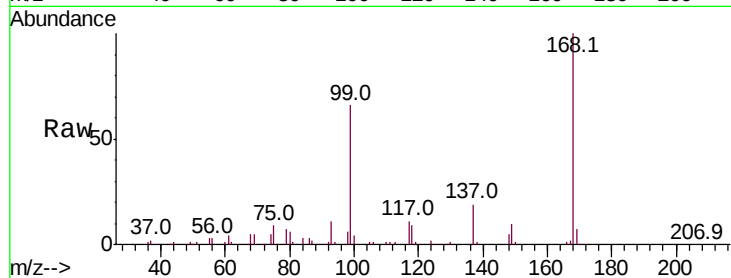




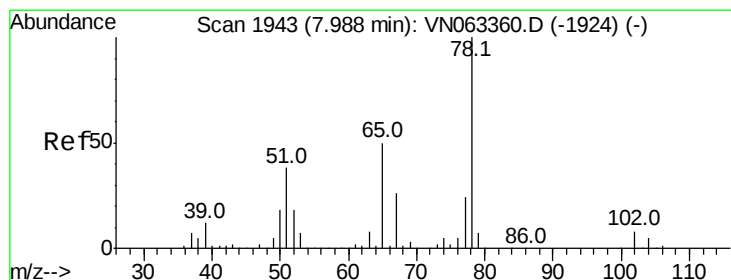
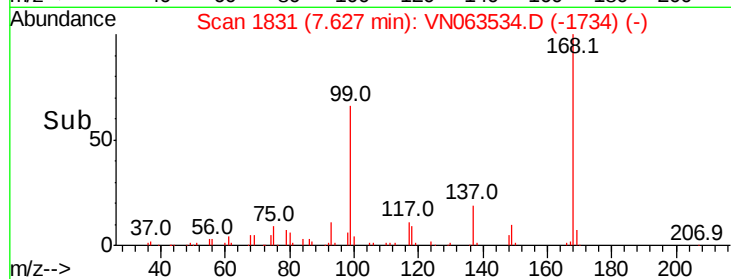
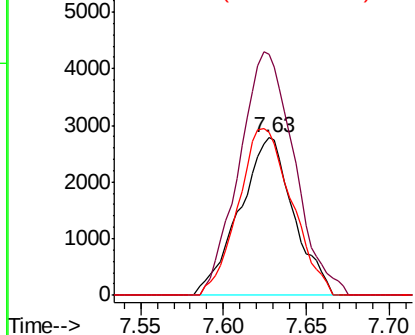
#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063534.D
Acq: 22 Sep 2020 15:44

Instrument :
MSVOA_N
ClientSampleId :
FB-091720

Tot Ion: 56 Resp: 6306
Ion Ratio Lower Upper
56 100
69 153.3 26.1 39.1#
84 103.2 65.4 98.2#

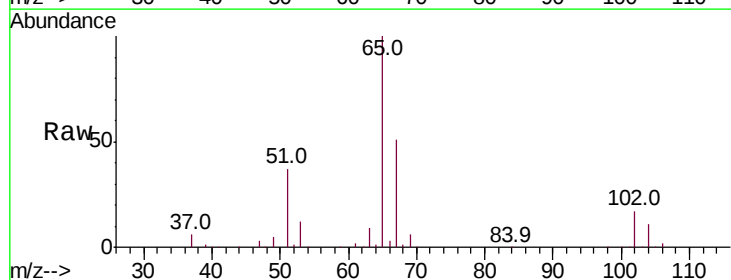


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

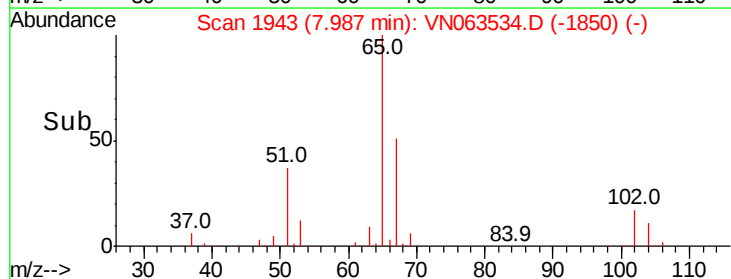
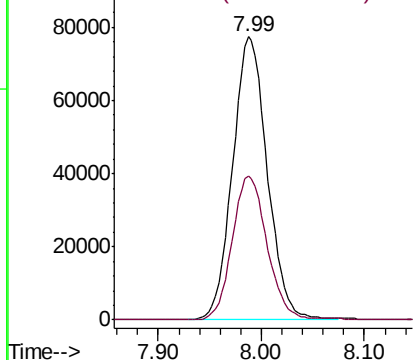


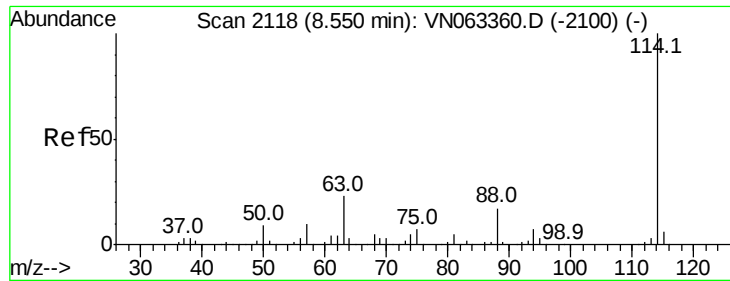
#33
1,2-Dichloroethane-d4
Concen: 47.718 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063534.D
Acq: 22 Sep 2020 15:44

Tgt Ion: 65 Resp: 181351
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

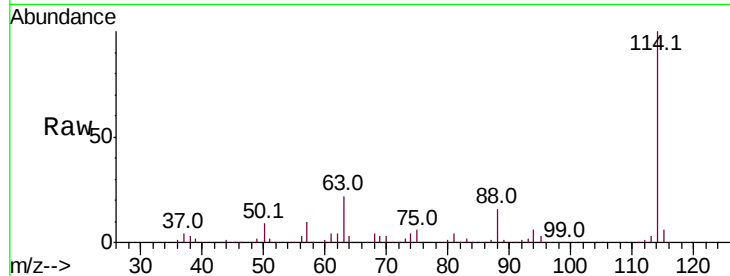




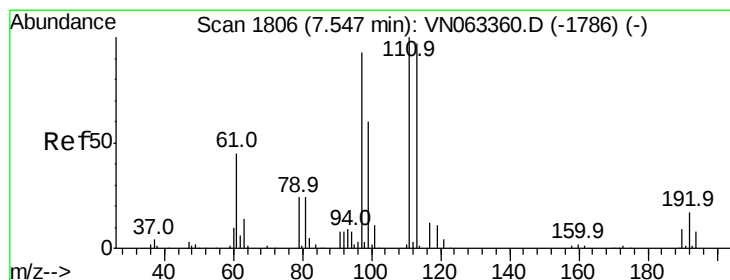
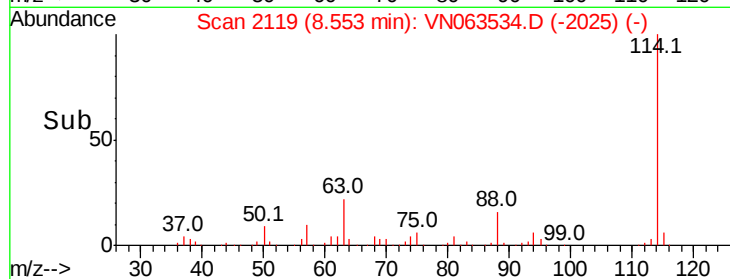
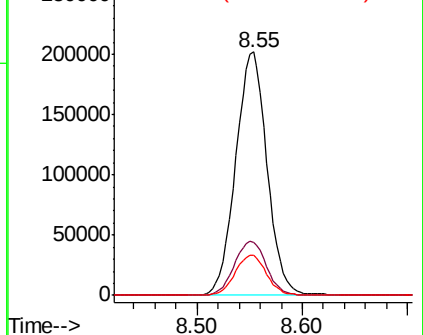
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063534.D
 Acq: 22 Sep 2020 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-091720

Tot Ion:114 Resp: 415842
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 46.4
 88 16.4 0.0 33.2

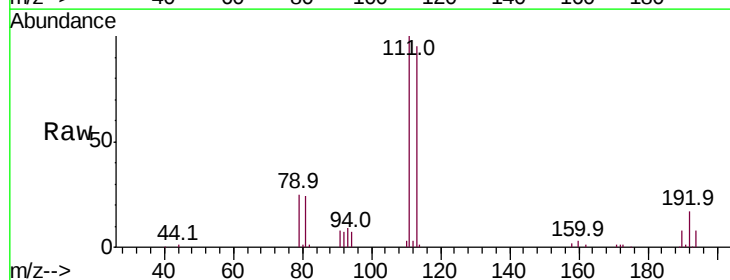


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

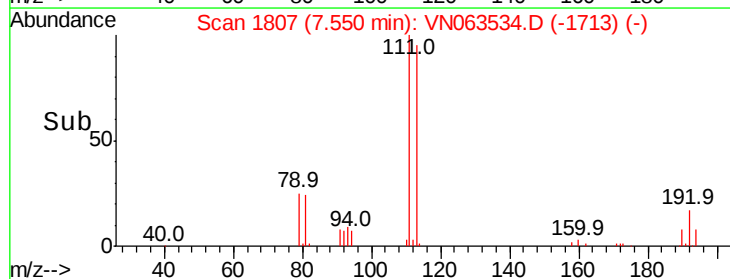
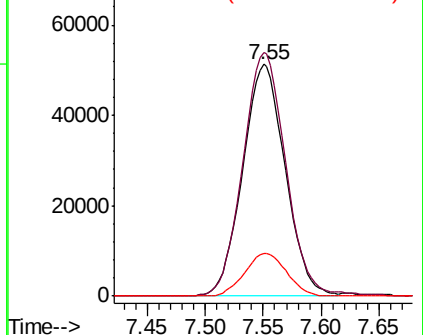


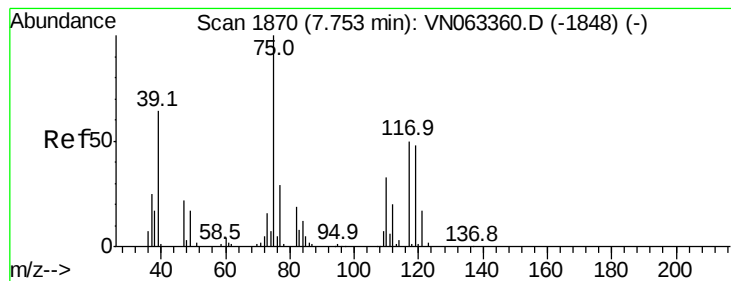
#35
 Dibromofluoromethane
 Concen: 45.541 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063534.D
 Acq: 22 Sep 2020 15:44

Tgt Ion:113 Resp: 131102
 Ion Ratio Lower Upper
 113 100
 111 105.9 82.9 124.3
 192 18.0 13.9 20.9



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: 4.792 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063534.D

Acq: 22 Sep 2020 15:44

Instrument :

MSVOA_N

ClientSampled :

FB-091720

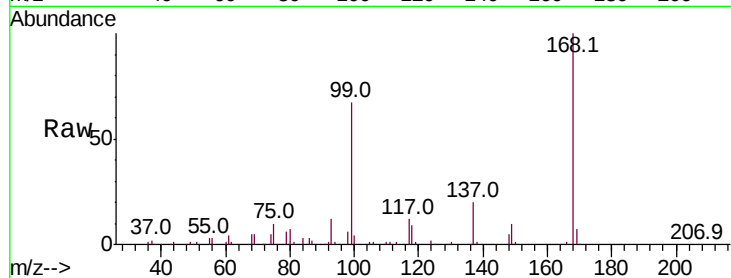
Tot Ion: 75 Resp: 21230

Ion Ratio Lower Upper

75 100

110 6.3 16.5 49.5#

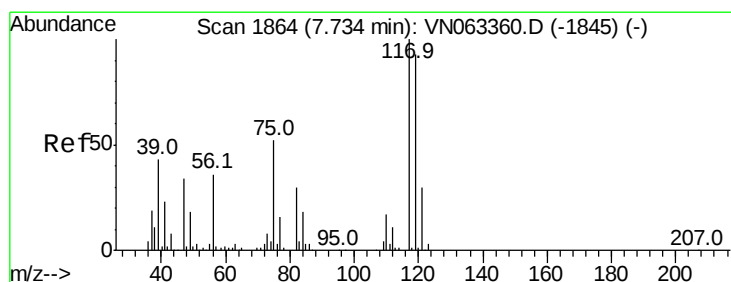
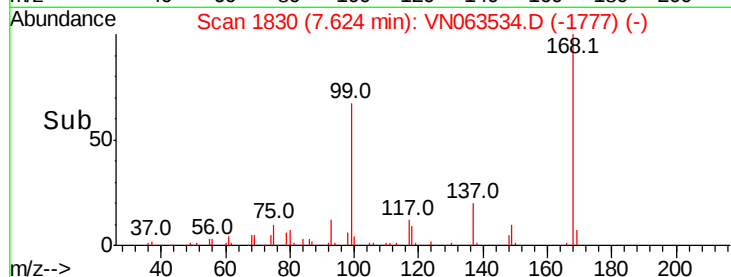
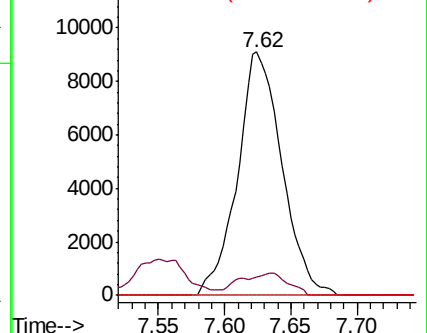
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN063534.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063534.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063534.D (-1777) (-)



#38

Carbon Tetrachloride

Concen: 5.613 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063534.D

Acq: 22 Sep 2020 15:44

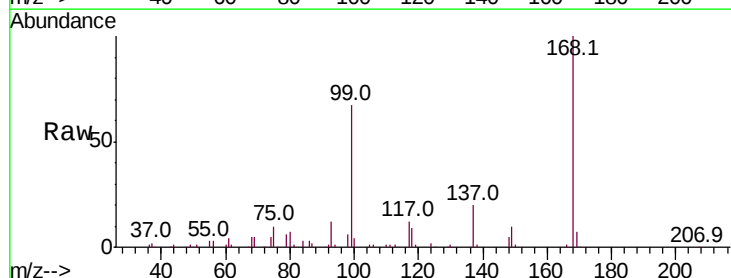
Tgt Ion: 117 Resp: 25383

Ion Ratio Lower Upper

117 100

119 6.0 74.5 111.7#

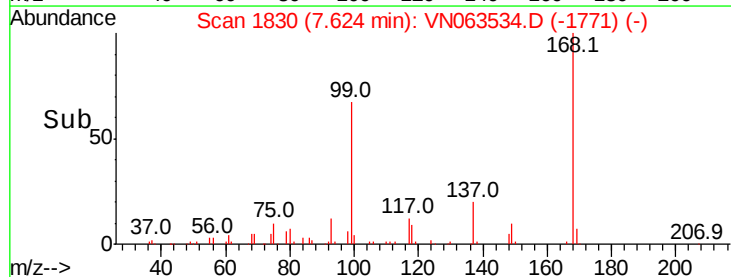
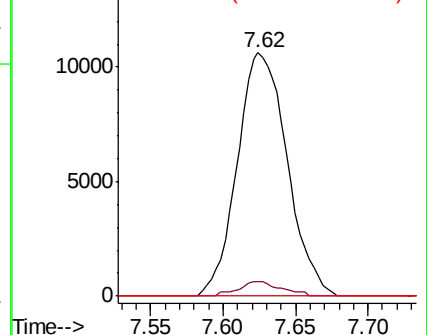
121 0.0 24.1 36.1#

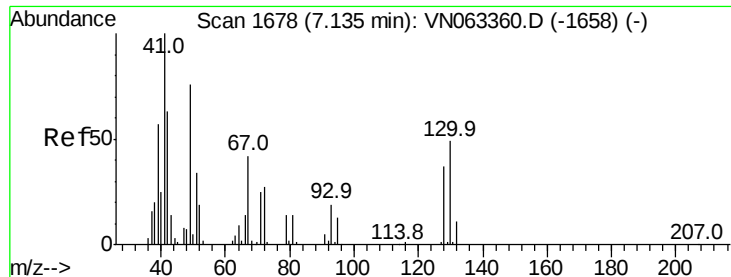


Abundance Ion 116.80 (116.50 to 117.50): VN063534.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063534.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063534.D (-1771) (-)

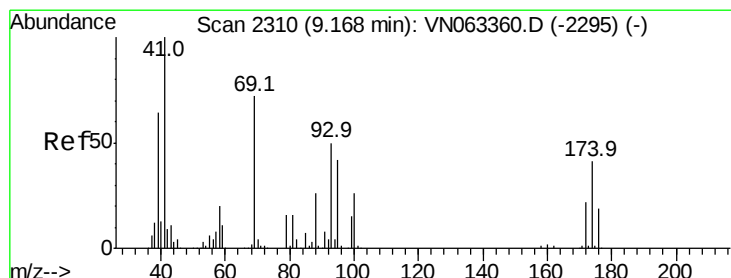
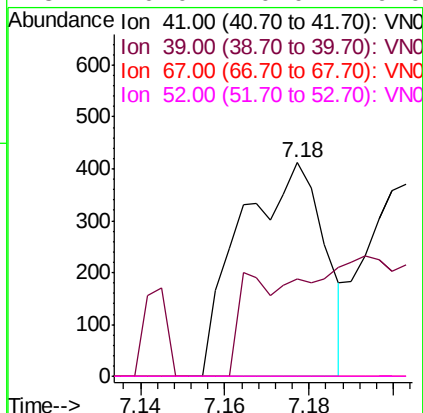
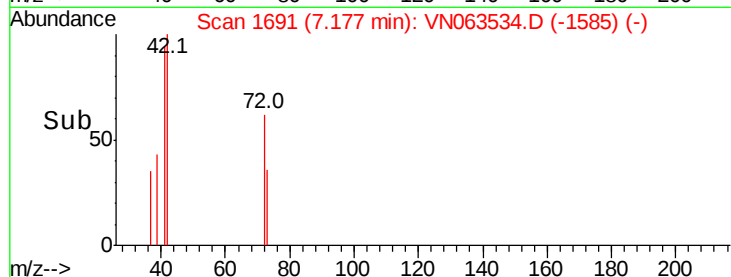
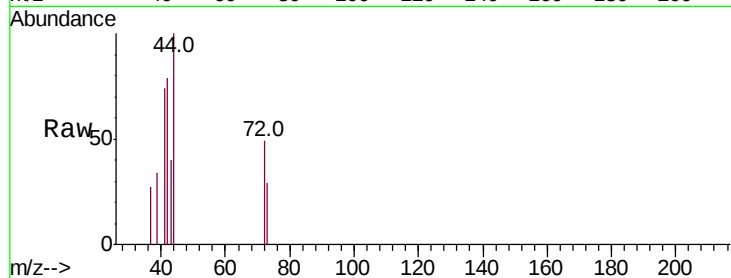




#41
Methacrylonitrile
Concen: 0.290 ug/l
RT: 7.18 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN063534.D
Acq: 22 Sep 2020 15:44

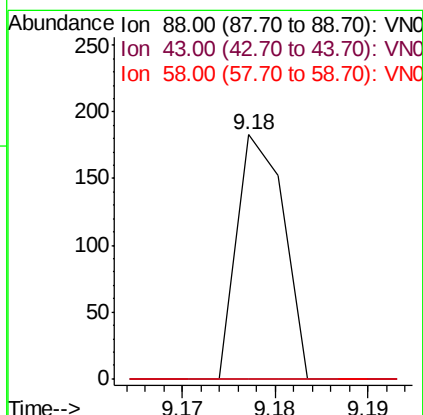
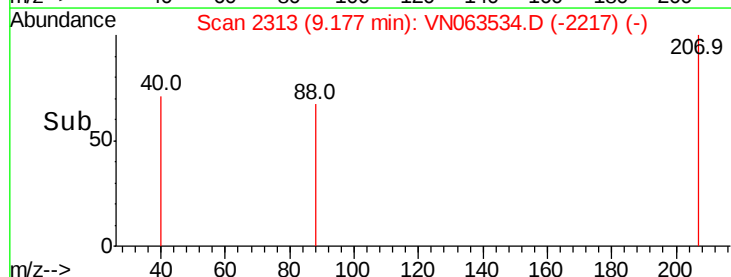
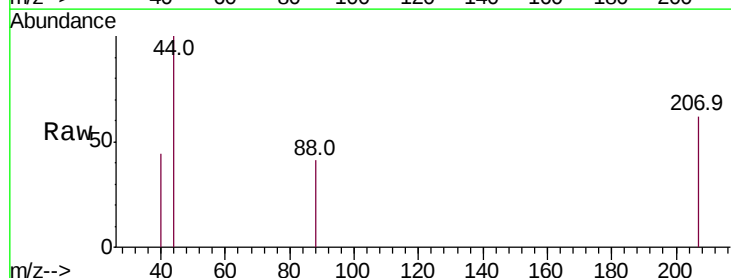
Instrument :
MSVOA_N
ClientSampled :
FB-091720

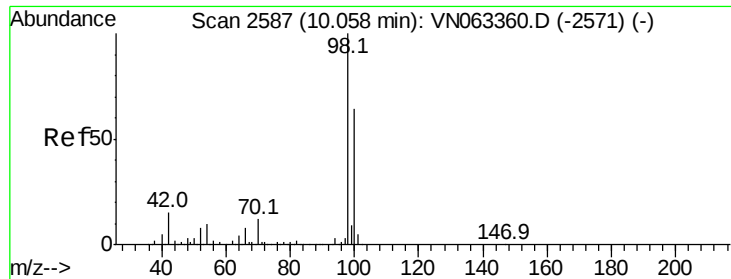
Tot Ion:	41	Resp:	567
Ion	Ratio	Lower	Upper
41	100		
39	18.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#49
1,4-Dioxane
Concen: 1.186 ug/l
RT: 9.18 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN063534.D
Acq: 22 Sep 2020 15:44

Tgt Ion:	88	Resp:	65
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.6	49.0#
58	0.0	60.0	90.0#





#50

Toluene-d8

Concen: 48.518 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063534.D

Acq: 22 Sep 2020 15:44

Instrument :

MSVOA_N

ClientSampled :

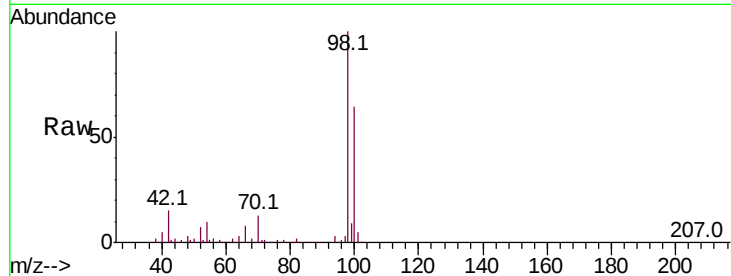
FB-091720

Tot Ion: 98 Resp: 525200

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

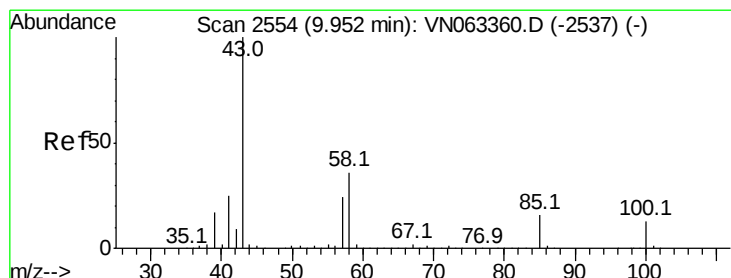
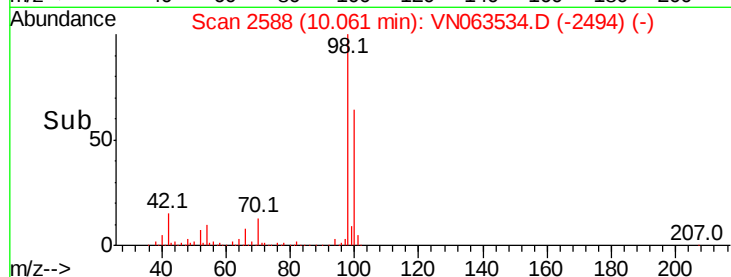
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.695 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063534.D

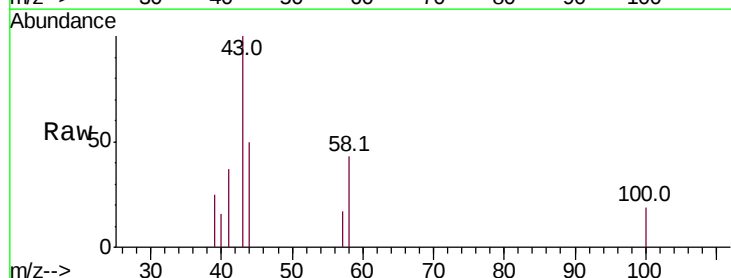
Acq: 22 Sep 2020 15:44

Tgt Ion: 43 Resp: 3023

Ion Ratio Lower Upper

43 100

58 26.1 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

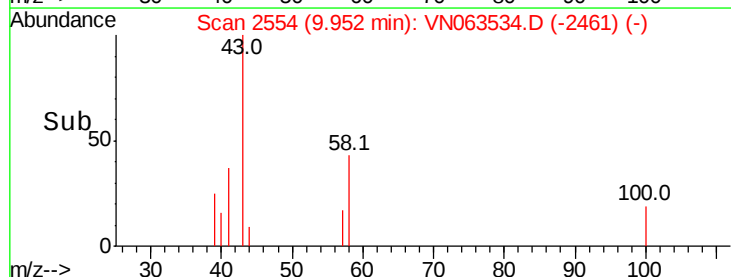
1500

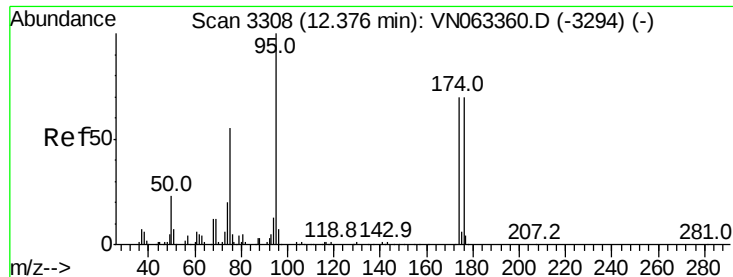
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.661 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063534.D

Acq: 22 Sep 2020 15:44

Instrument :

MSVOA_N

ClientSampleId :

FB-091720

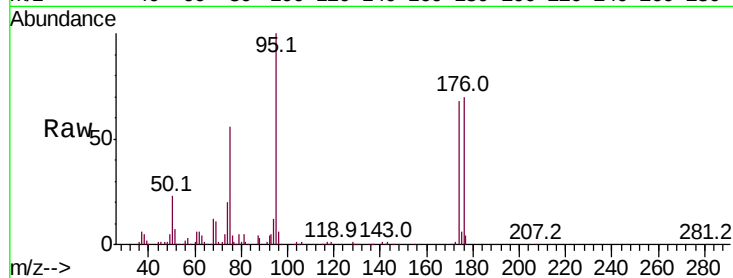
Tot Ion: 95 Resp: 204999

Ion Ratio Lower Upper

95 100

174 70.9 0.0 140.8

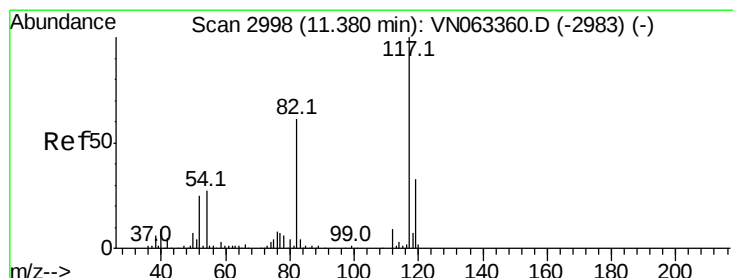
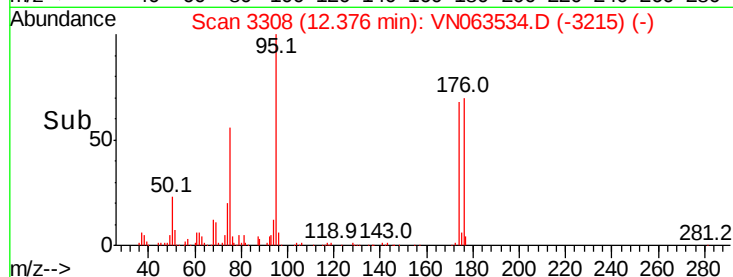
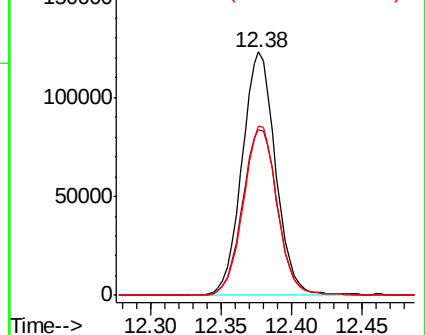
176 70.5 0.0 137.6



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# 2998

Delta R.T. -0.00 min

Lab File: VN063534.D

Acq: 22 Sep 2020 15:44

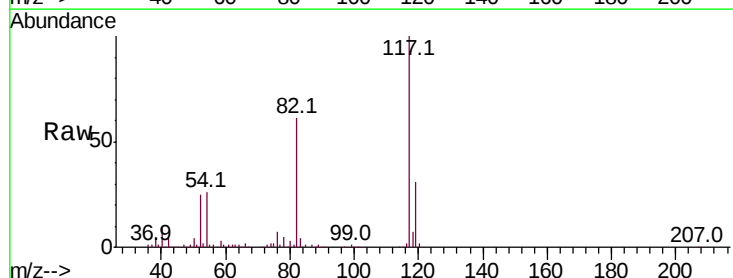
Tgt Ion: 117 Resp: 413429

Ion Ratio Lower Upper

117 100

82 61.0 49.2 73.8

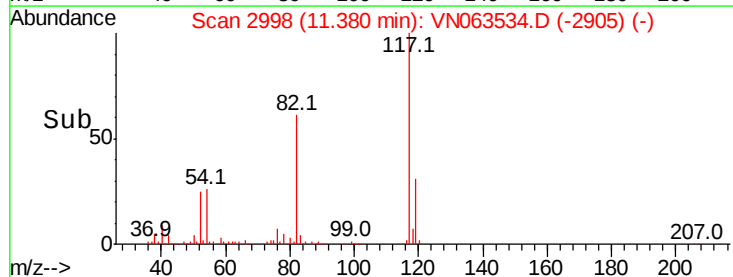
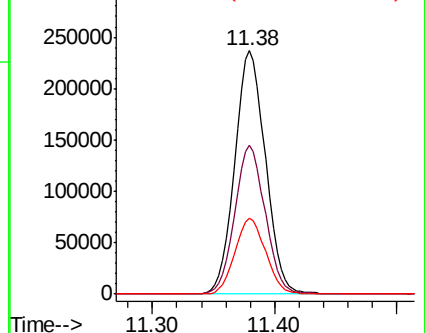
119 31.3 26.2 39.4

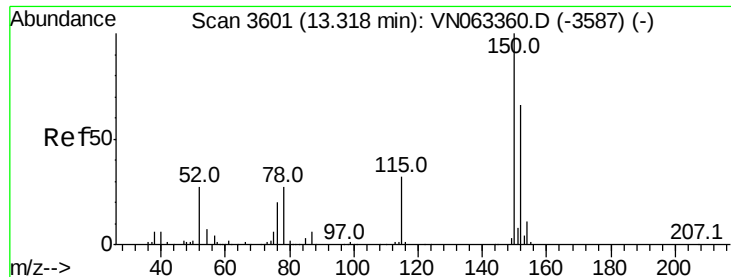


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063534.D

Acq: 22 Sep 2020 15:44

Instrument :

MSVOA_N

ClientSampled :

FB-091720

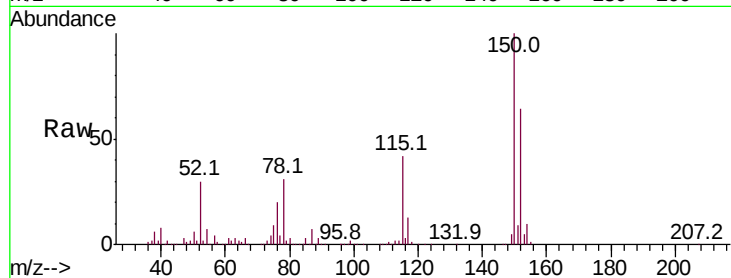
Tot Ion:152 Resp: 170053

Ion Ratio Lower Upper

152 100

115 64.5 32.2 96.6

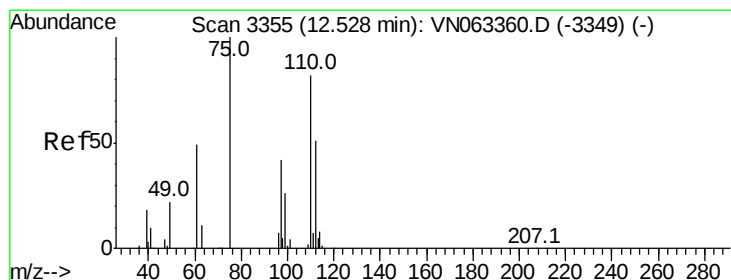
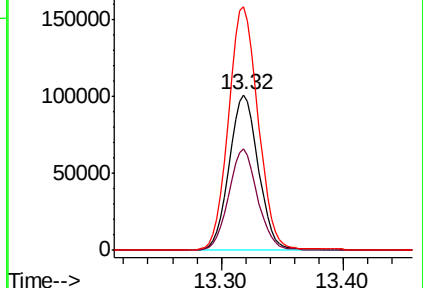
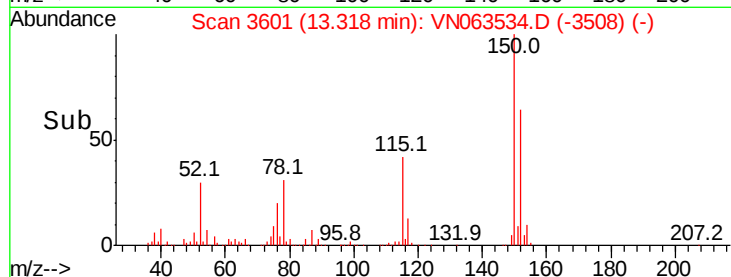
150 158.9 0.0 343.4



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: 27.107 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063534.D

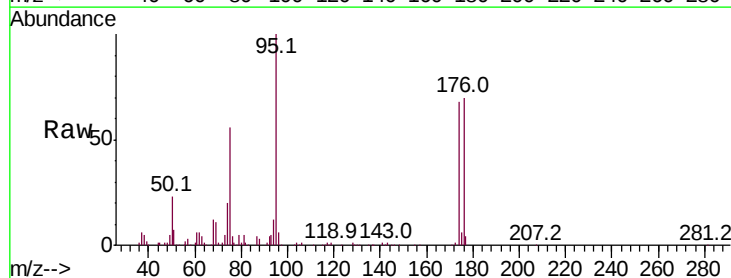
Acq: 22 Sep 2020 15:44

Tgt Ion: 75 Resp: 114096

Ion Ratio Lower Upper

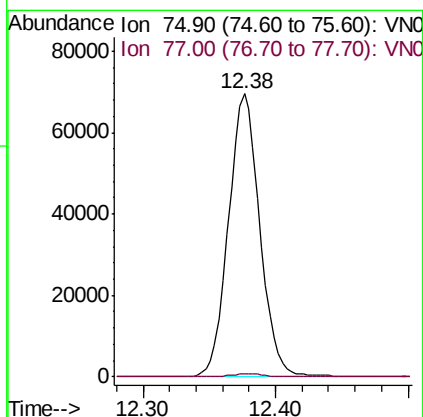
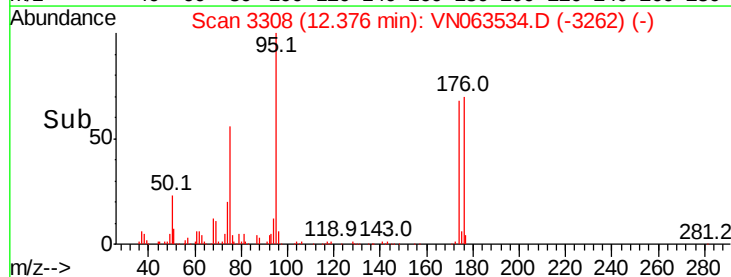
75 100

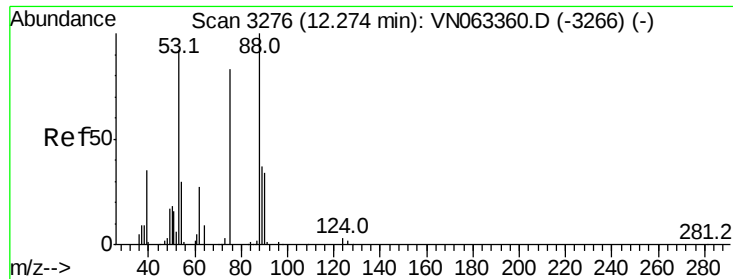
77 1.1 0.0 0.0#



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: 74.318 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063534.D

Acq: 22 Sep 2020 15:44

Instrument :

MSVOA_N

ClientSampleId :

FB-091720

Tot Ion: 75 Resp: 114096

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

