

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063588.D
 Acq On : 23 Sep 2020 14:55
 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 24 02:35:29 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	203896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	391222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	390483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162240	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	178786	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
35) Dibromofluoromethane	7.55	113	127505	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	10.06	98	498869	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.38	95	191799	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	

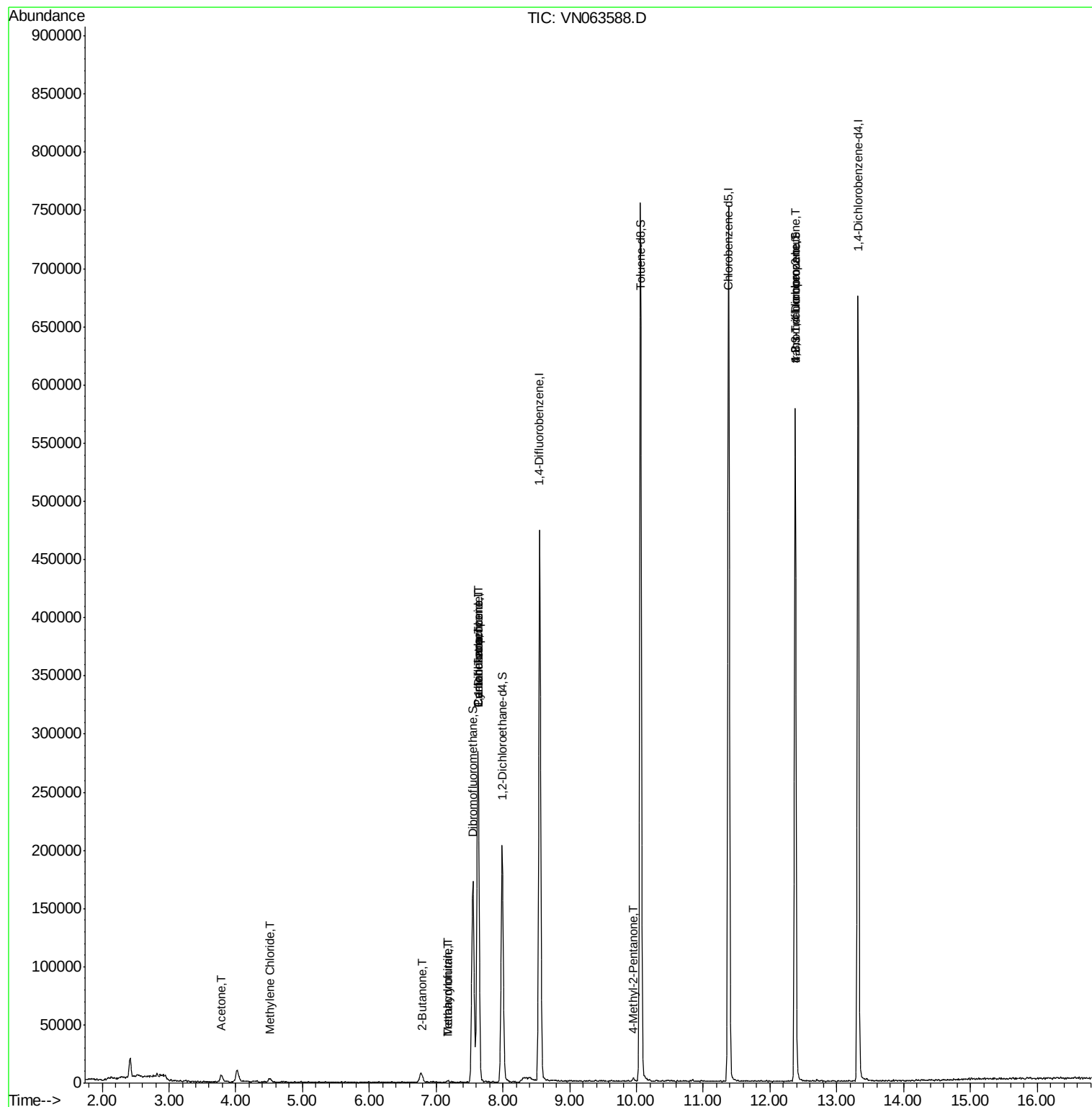
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	10907	9.778	ug/l	98
20) Methylene Chloride	4.51	84	1772	0.627	ug/l #	70
25) 2-Butanone	6.80	43	3219	1.876	ug/l	92
29) Tetrahydrofuran	7.16	42	314	0.268	ug/l #	51
31) Cyclohexane	7.63	56	6020	1.256	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	19844	4.761	ug/l #	49
38) Carbon Tetrachloride	7.62	117	23113	5.432	ug/l #	17
41) Methacrylonitrile	7.17	41	686	0.373	ug/l #	100
51) 4-Methyl-2-Pentanone	9.95	43	2475	0.604	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	110857	27.606	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	110857	75.686	ug/l #	7

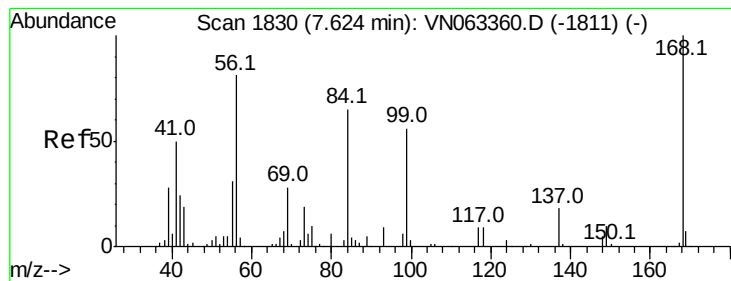
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092320\
Data File : VN063588.D
Acq On : 23 Sep 2020 14:55
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 24 02:35:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063588.D

Acq: 23 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

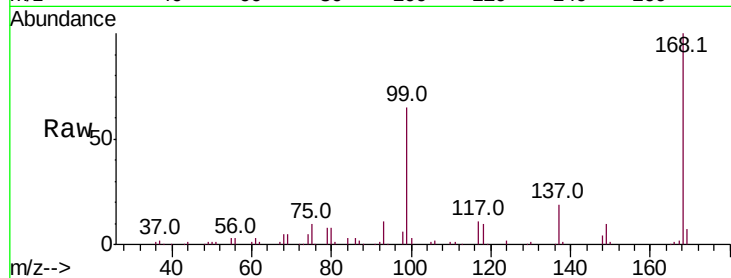
FB-091720

Tot Ion:168 Resp: 203896

Ion Ratio Lower Upper

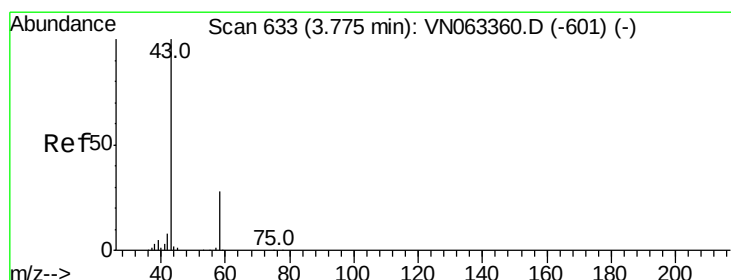
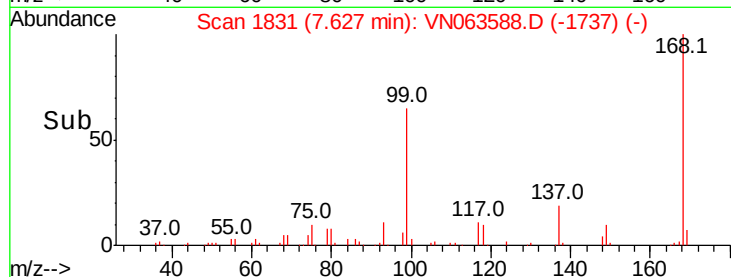
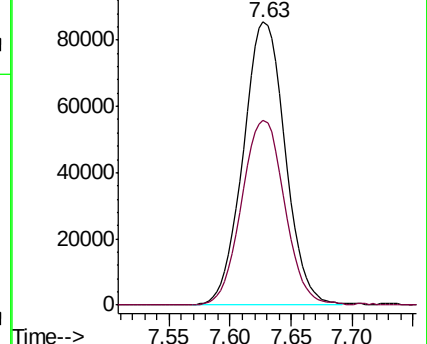
168 100

99 65.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 9.778 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063588.D

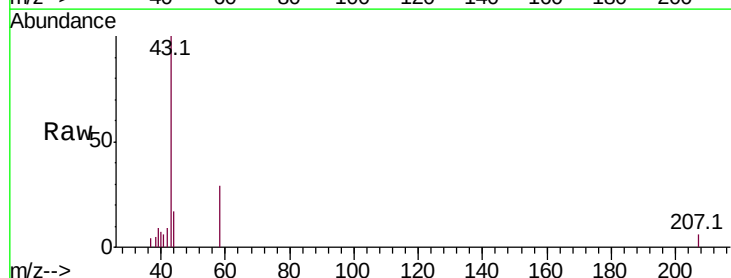
Acq: 23 Sep 2020 14:55

Tgt Ion: 43 Resp: 10907

Ion Ratio Lower Upper

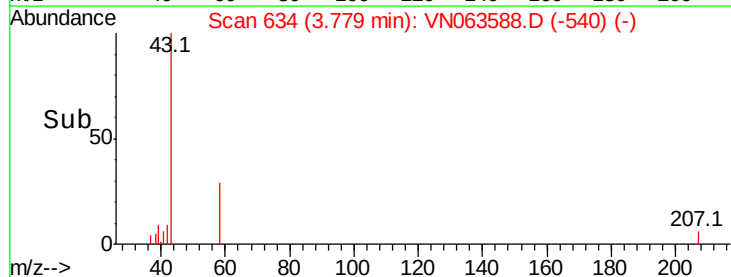
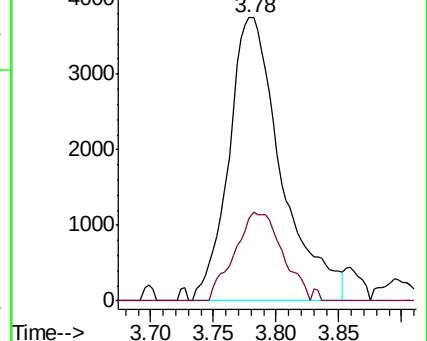
43 100

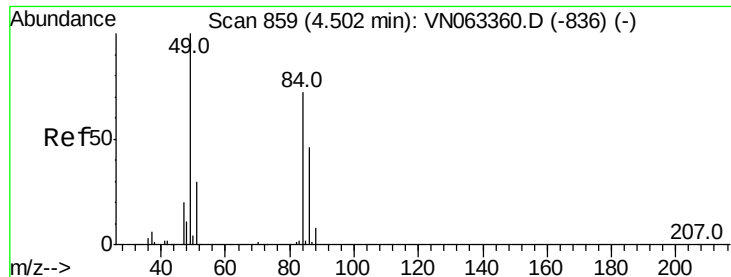
58 29.2 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

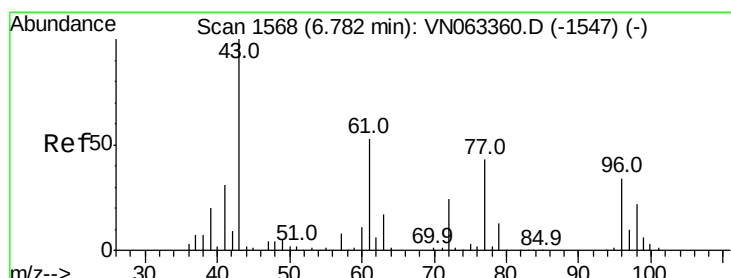
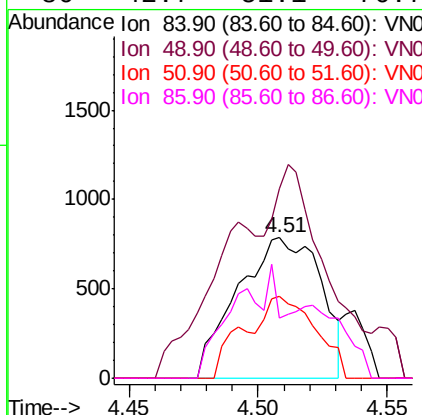
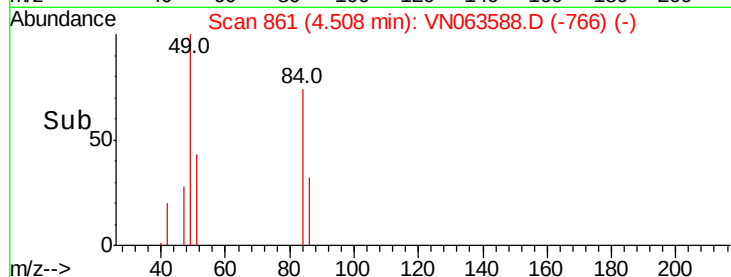
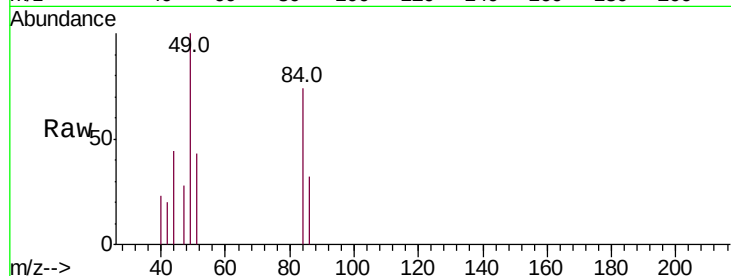




#20
Methylene Chloride
Concen: 0.627 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063588.D
Acq: 23 Sep 2020 14:55

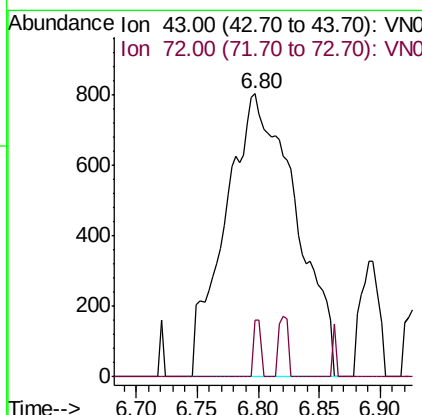
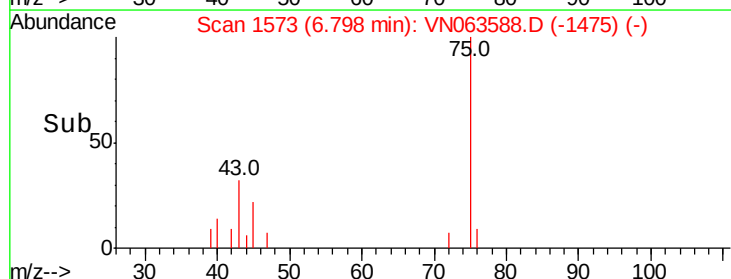
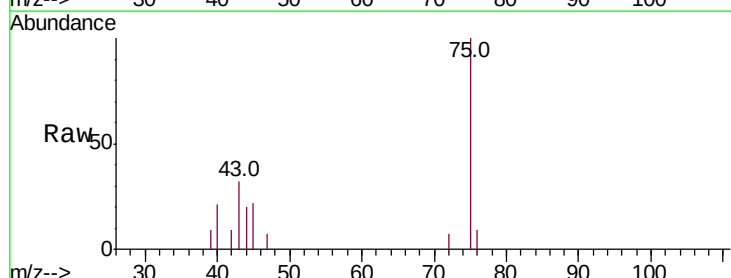
Instrument :
MSVOA_N
ClientSampled :
FB-091720

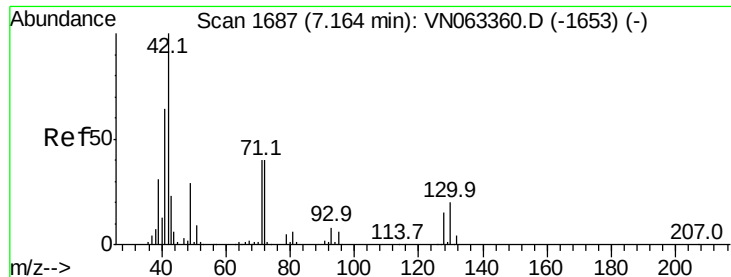
Tot Ion: 84 Resp: 1772
Ion Ratio Lower Upper
84 100
49 100.4 110.7 166.1#
51 58.2 32.9 49.3#
86 42.7 51.1 76.7#



#25
2-Butanone
Concen: 1.876 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.02 min
Lab File: VN063588.D
Acq: 23 Sep 2020 14:55

Tgt Ion: 43 Resp: 3219
Ion Ratio Lower Upper
43 100
72 20.3 19.2 28.8





#29

Tetrahydrofuran

Concen: 0.268 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN063588.D

Acq: 23 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampled :

FB-091720

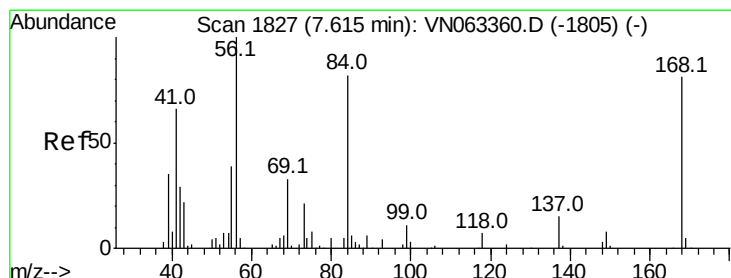
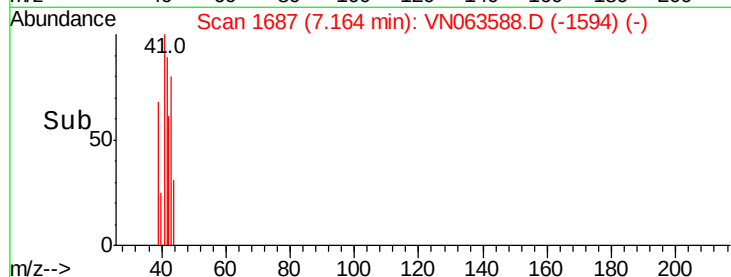
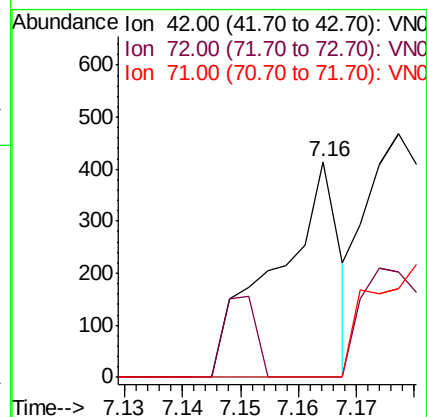
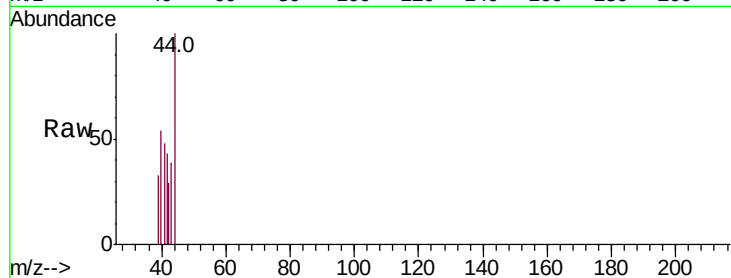
Tot Ion: 42 Resp: 314

Ion Ratio Lower Upper

42 100

72 18.8 32.1 48.1#

71 0.0 31.2 46.8#



#31

Cyclohexane

Concen: 1.256 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063588.D

Acq: 23 Sep 2020 14:55

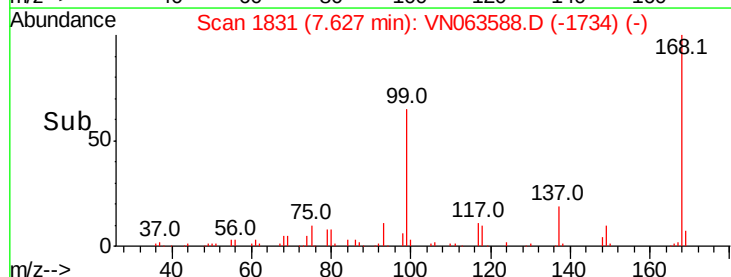
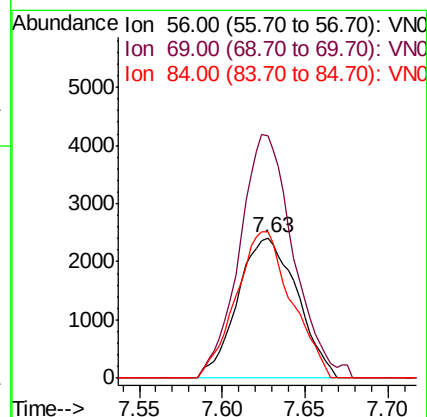
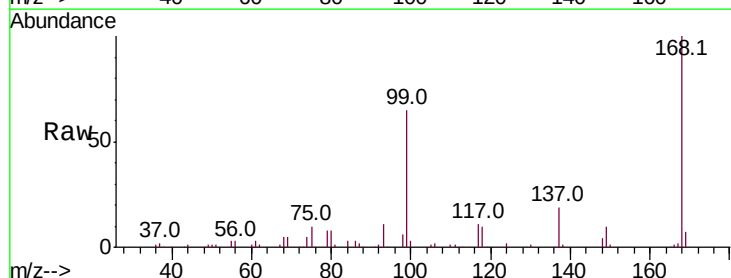
Tgt Ion: 56 Resp: 6020

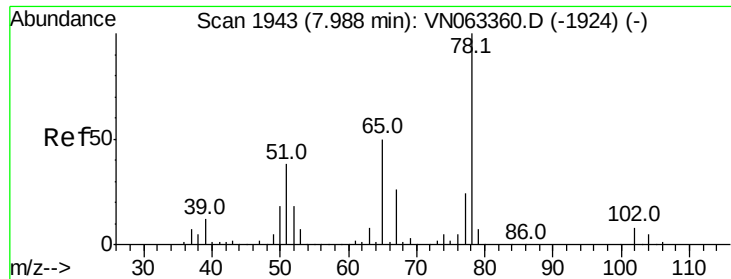
Ion Ratio Lower Upper

56 100

69 172.9 26.1 39.1#

84 104.7 65.4 98.2#

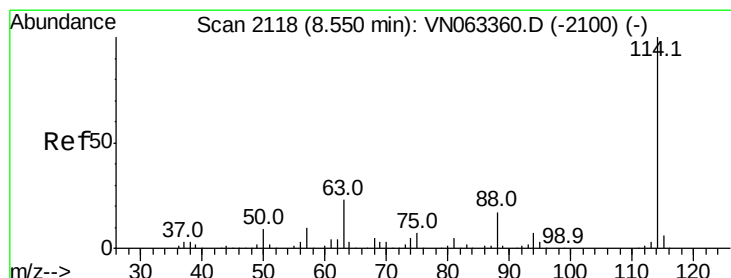
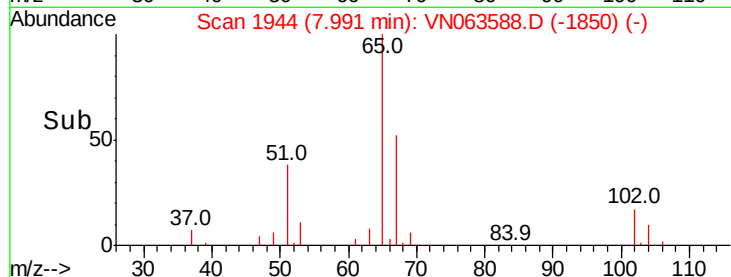
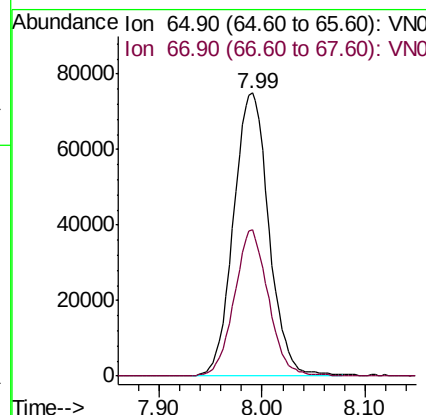
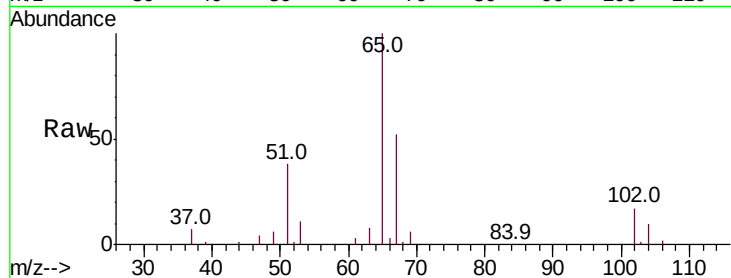




#33
 1,2-Dichloroethane-d4
 Concen: 51.511 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063588.D
 Acq: 23 Sep 2020 14:55

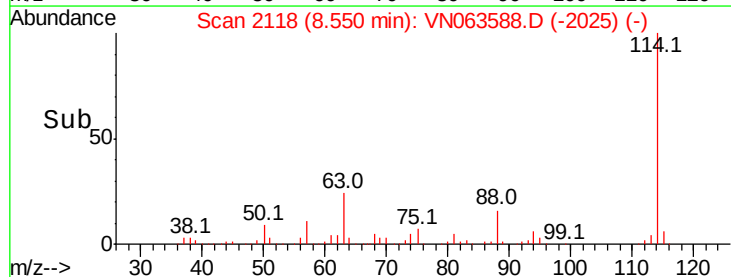
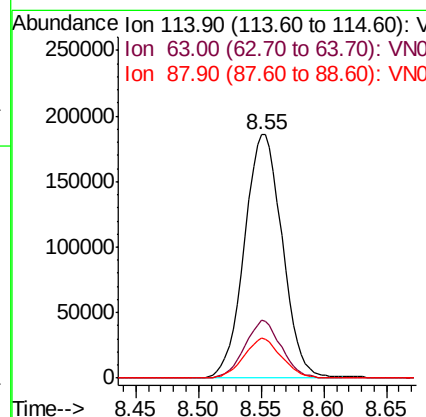
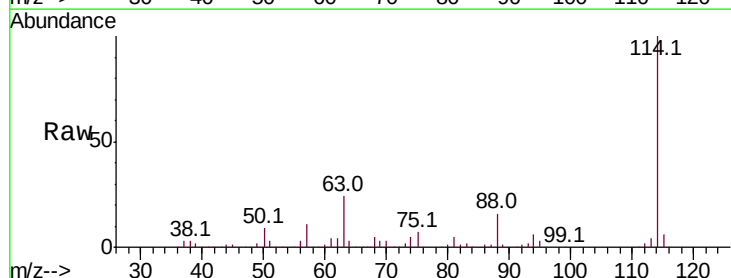
Instrument :
 MSVOA_N
 ClientSampleId :
 FB-091720

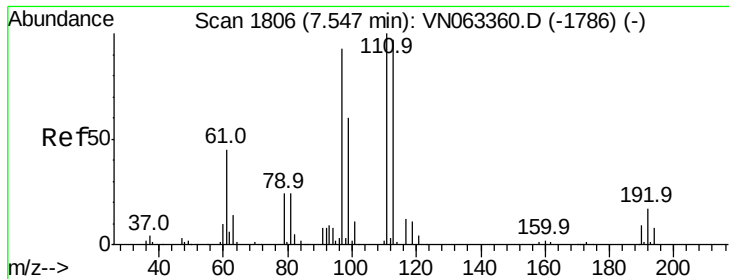
Tot Ion: 65 Resp: 178786
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063588.D
 Acq: 23 Sep 2020 14:55

Tgt Ion: 114 Resp: 391222
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.4
 88 16.4 0.0 33.2

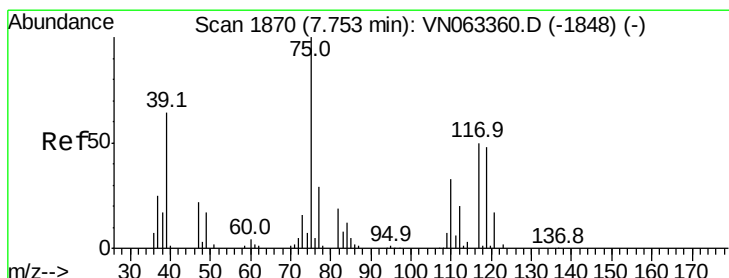
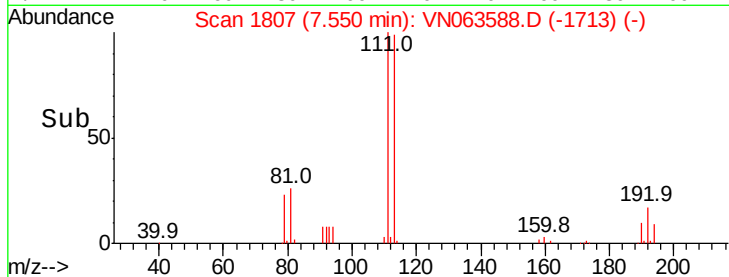
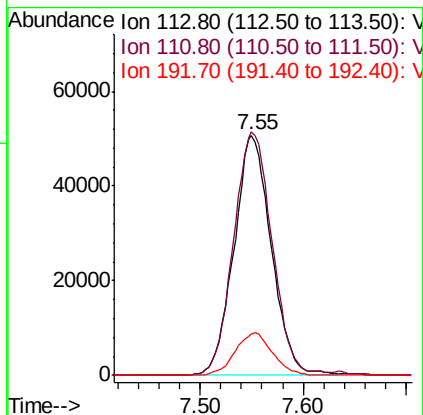
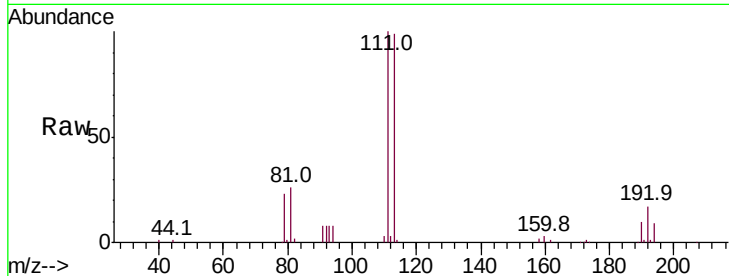




#35
Dibromofluoromethane
Concen: 47.078 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063588.D
Acq: 23 Sep 2020 14:55

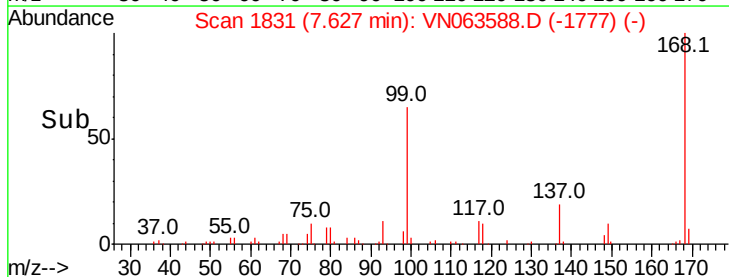
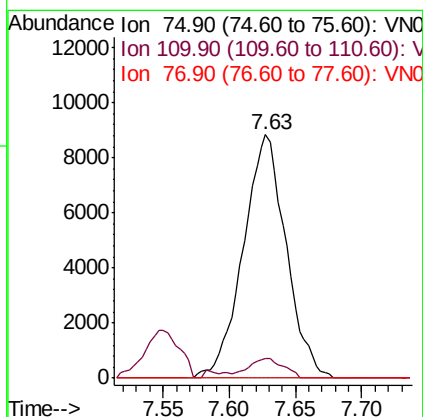
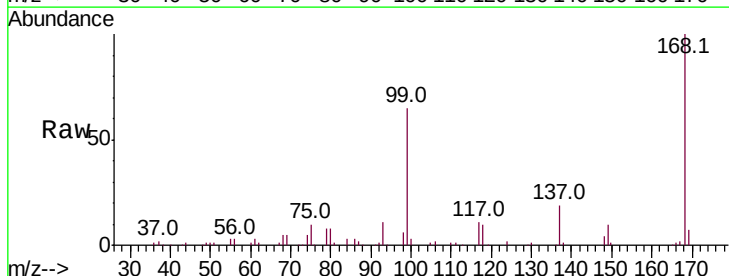
Instrument :
MSVOA_N
ClientSampleId :
FB-091720

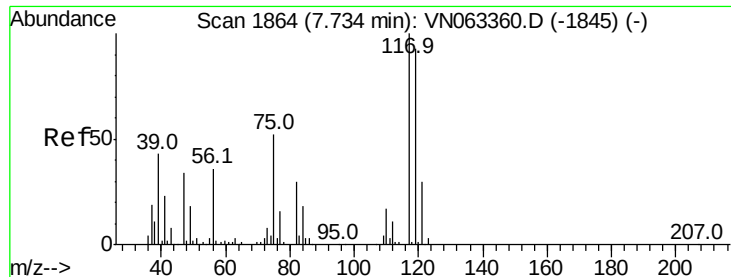
Tot Ion:113 Resp: 127505
Ion Ratio Lower Upper
113 100
111 104.9 82.9 124.3
192 17.7 13.9 20.9



#36
1,1-Dichloropropene
Concen: 4.761 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN063588.D
Acq: 23 Sep 2020 14:55

Tgt Ion: 75 Resp: 19844
Ion Ratio Lower Upper
75 100
110 6.6 16.5 49.5#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.432 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063588.D

Acq: 23 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

FB-091720

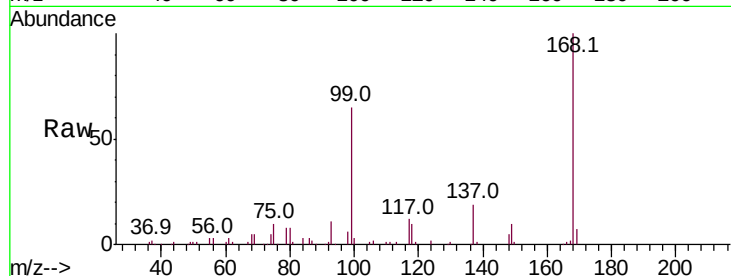
Tot Ion:117 Resp: 23113

Ion Ratio Lower Upper

117 100

119 5.1 74.5 111.7#

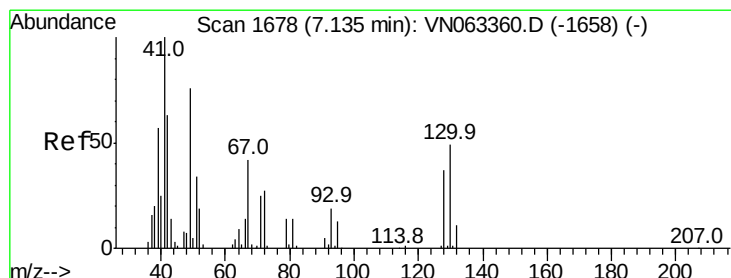
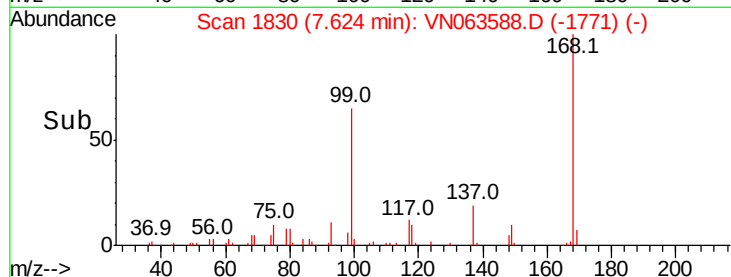
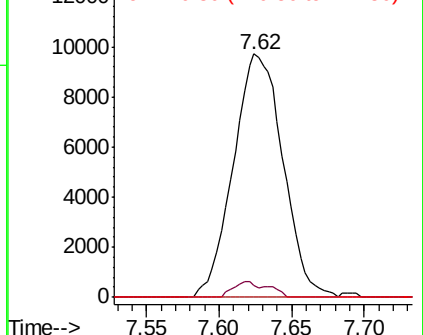
121 0.0 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 0.373 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.04 min

Lab File: VN063588.D

Acq: 23 Sep 2020 14:55

Tgt Ion: 41 Resp: 686

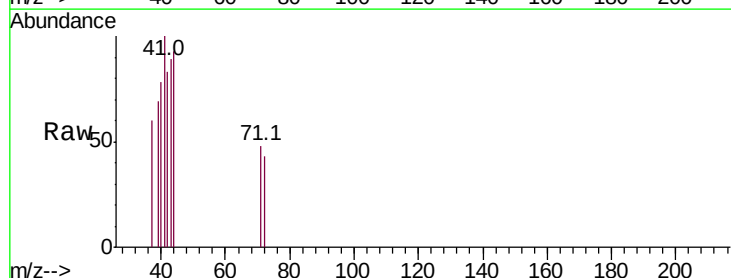
Ion Ratio Lower Upper

41 100

39 24.5 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

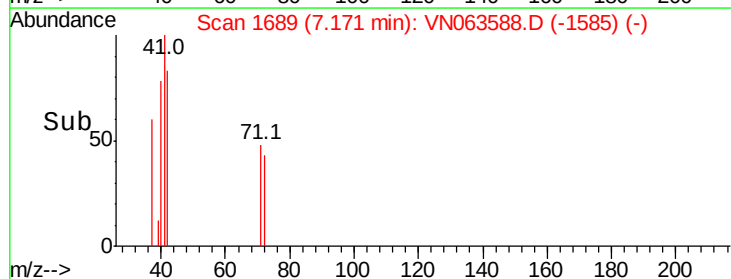
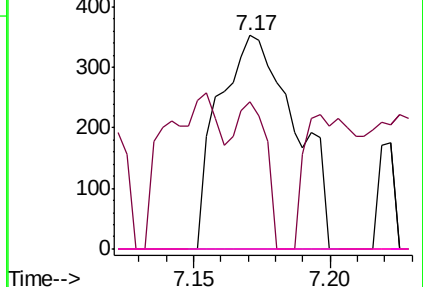


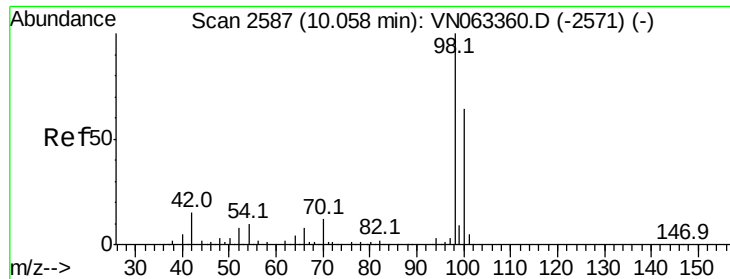
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

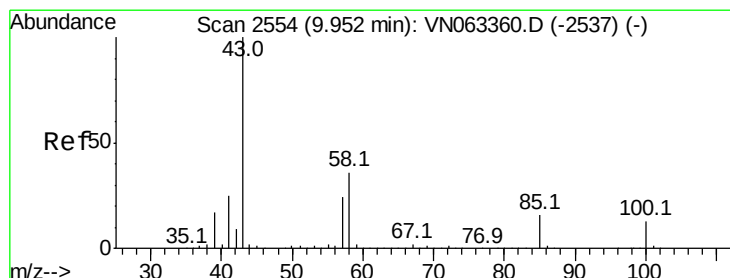
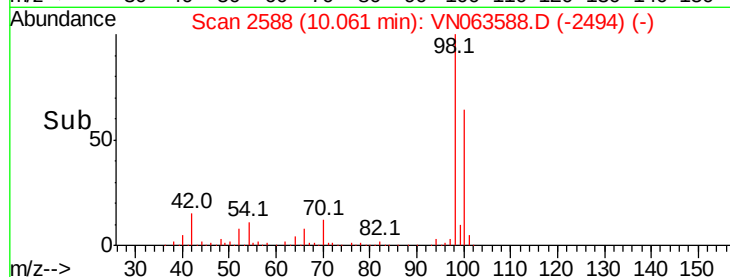
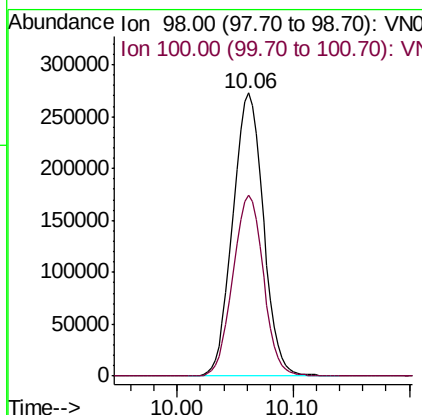
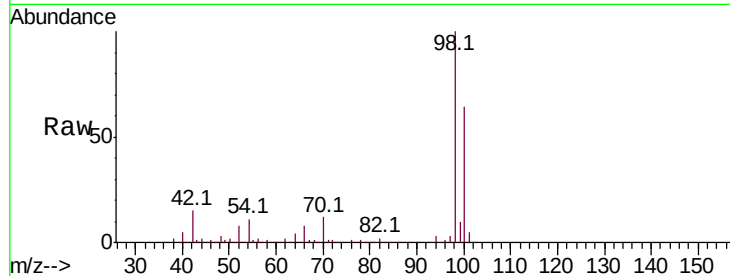




#50
Toluene-d8
Concen: 48.986 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063588.D
Acq: 23 Sep 2020 14:55

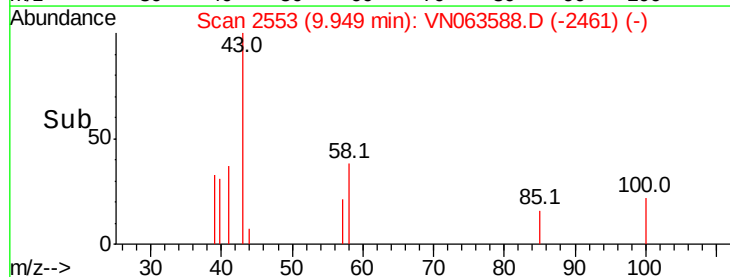
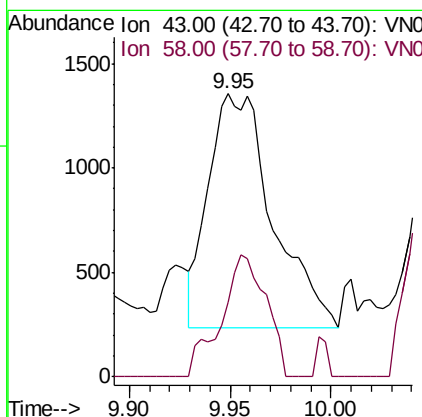
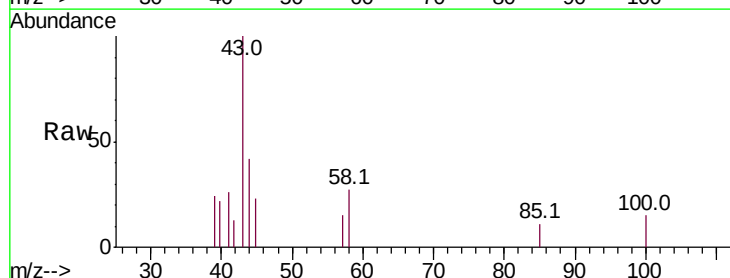
Instrument :
MSVOA_N
ClientSampled :
FB-091720

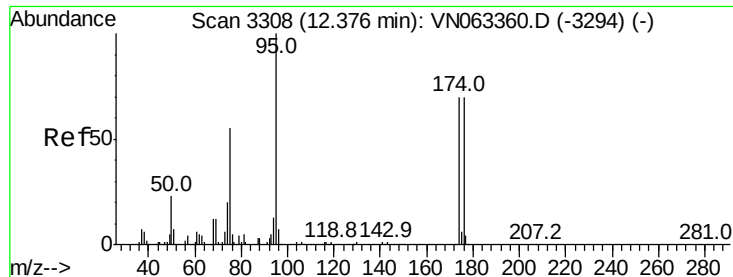
Tot Ion: 98 Resp: 498869
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.604 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN063588.D
Acq: 23 Sep 2020 14:55

Tgt Ion: 43 Resp: 2475
Ion Ratio Lower Upper
43 100
58 36.6 29.0 43.6





#62

4-Bromofluorobenzene

Concen: 51.376 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063588.D

Acq: 23 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

FB-091720

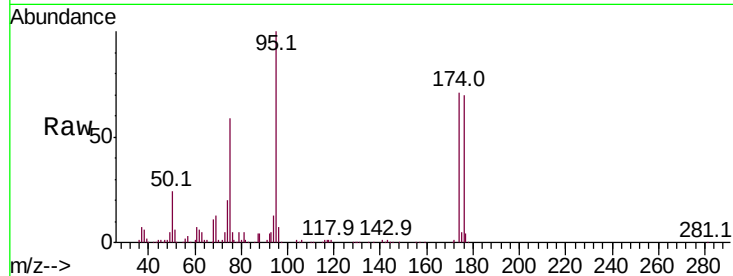
Tot Ion: 95 Resp: 191799

Ion Ratio Lower Upper

95 100

174 73.4 0.0 140.8

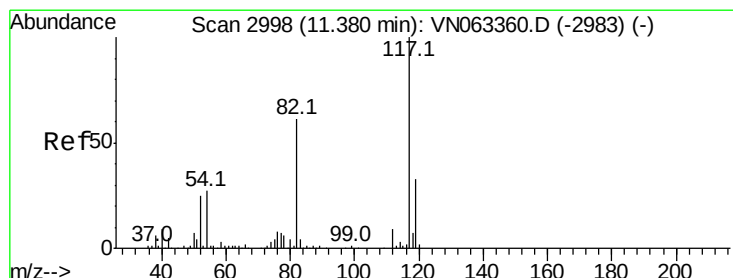
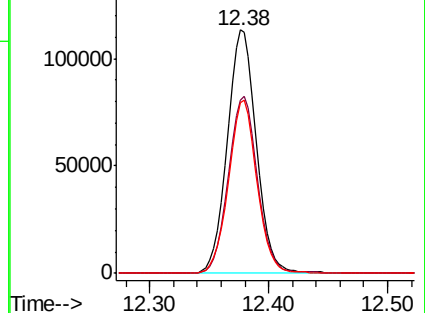
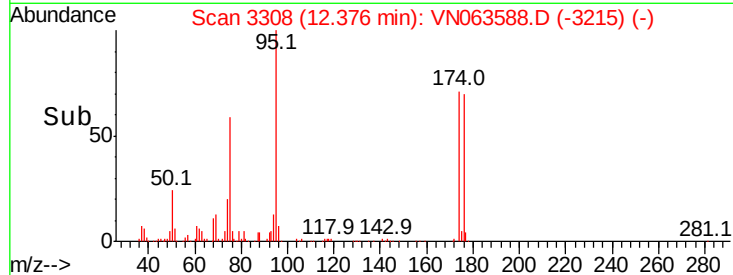
176 69.7 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063588.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063588.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063588.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063588.D

Acq: 23 Sep 2020 14:55

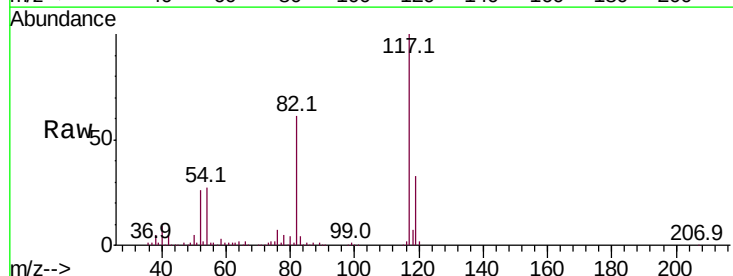
Tgt Ion: 117 Resp: 390483

Ion Ratio Lower Upper

117 100

82 61.1 49.2 73.8

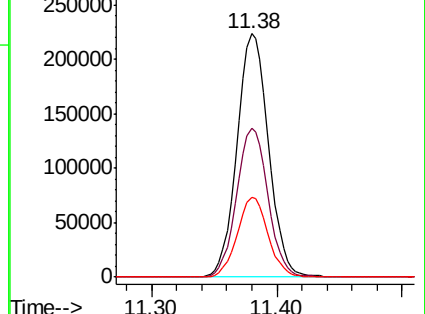
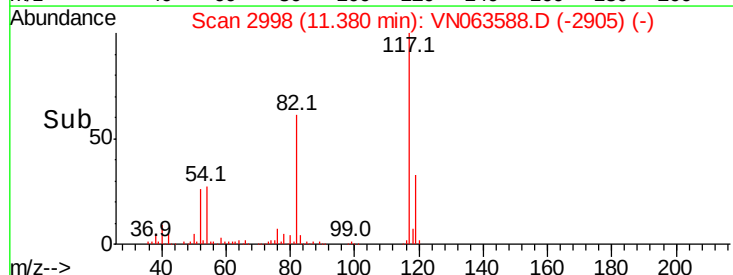
119 32.8 26.2 39.4

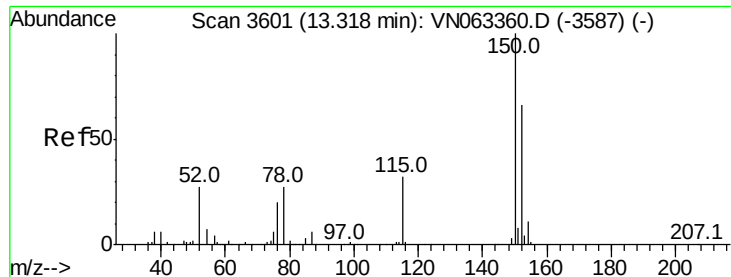


Abundance Ion 116.90 (116.60 to 117.60): VN063588.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063588.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063588.D (-2905) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063588.D

Acq: 23 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampled :

FB-091720

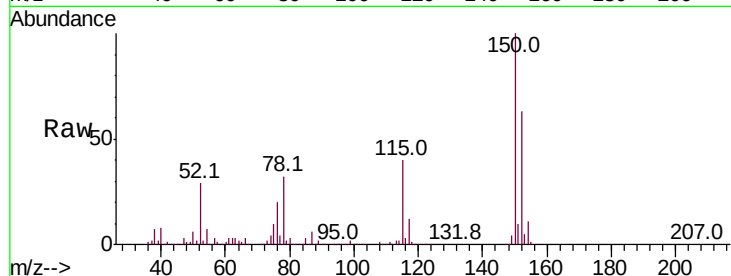
Tot Ion:152 Resp: 162240

Ion Ratio Lower Upper

152 100

115 64.8 32.2 96.6

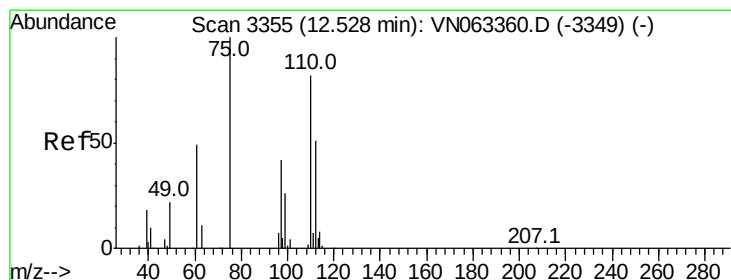
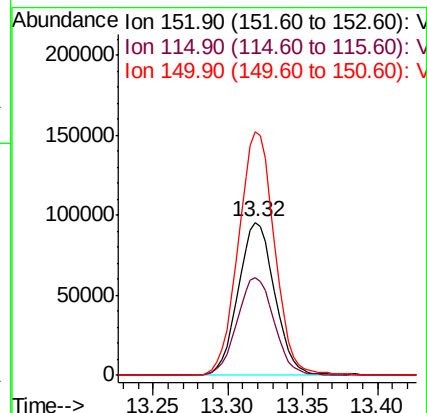
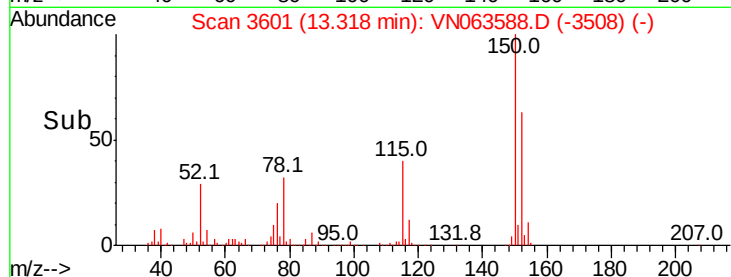
150 157.7 0.0 343.4



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: 27.606 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063588.D

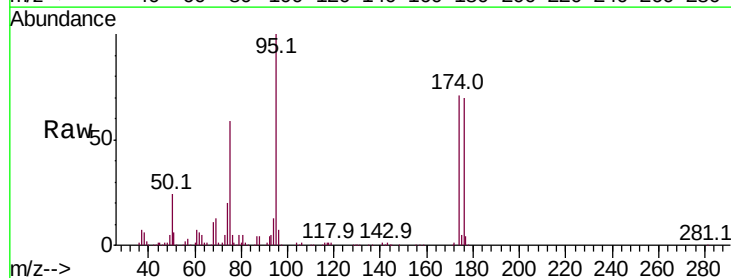
Acq: 23 Sep 2020 14:55

Tgt Ion: 75 Resp: 110857

Ion Ratio Lower Upper

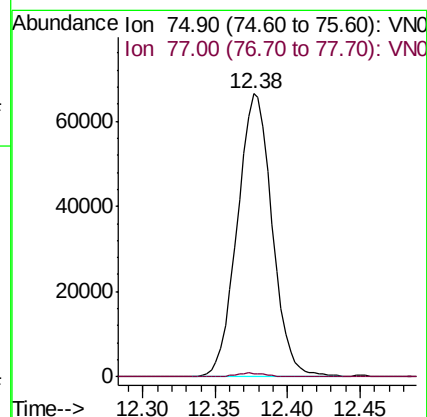
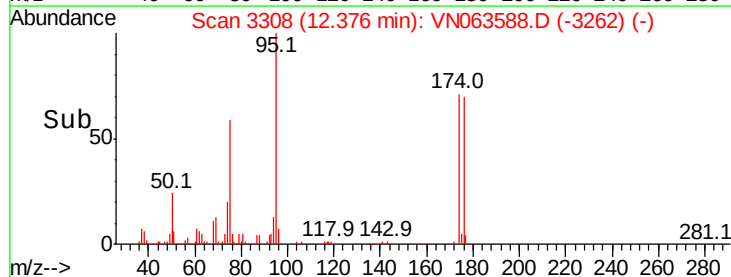
75 100

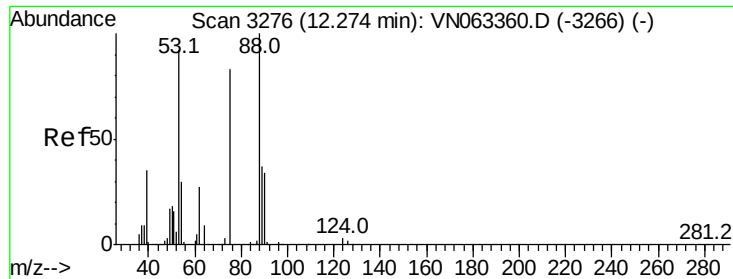
77 1.1 0.0 0.0#



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: 75.686 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063588.D

Acq: 23 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

FB-091720

Tot Ion: 75 Resp: 110857

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

