

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062889.D
 Acq On : 13 Aug 2020 5:09
 Operator : JC/MD
 Sample : L3508-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Aug 13 07:46:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	123264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	209218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	213245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80424	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	104941	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
35) Dibromofluoromethane	7.55	113	74835	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
50) Toluene-d8	10.06	98	274138	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.38	95	100714	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	

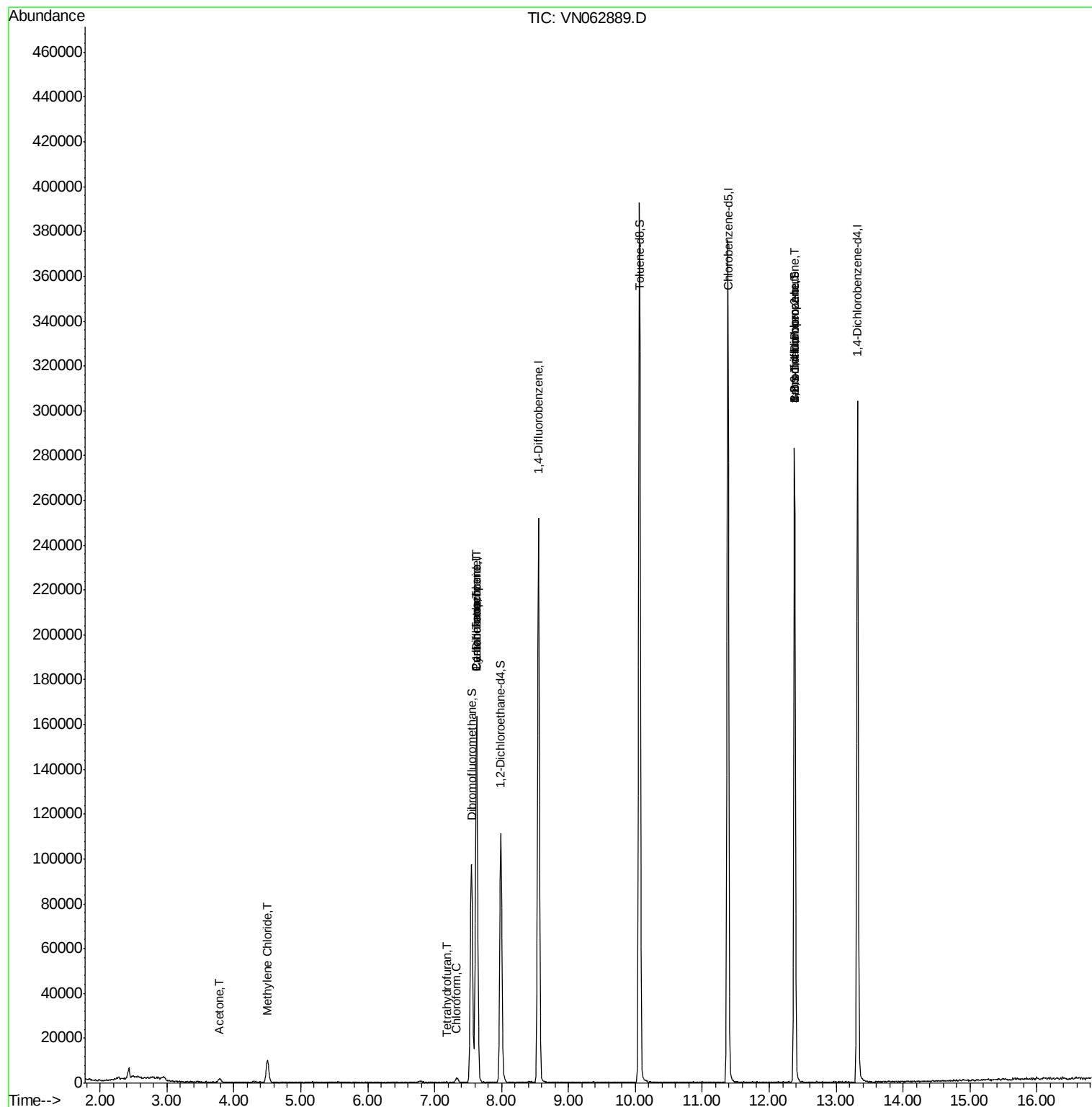
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3560	4.833	ug/l #	86
17) Carbon Disulfide	4.02	76	70	Below Cal	#	74
18) Methyl Acetate	4.29	43	644	Below Cal	#	52
20) Methylene Chloride	4.50	84	7526	4.898	ug/l	93
29) Tetrahydrofuran	7.17	42	211	0.311	ug/l #	33
30) Chloroform	7.33	83	2726	0.953	ug/l #	72
31) Cyclohexane	7.62	56	2777	1.124	ug/l #	18
36) 1,1-Dichloropropene	7.63	75	11061	5.430	ug/l #	51
38) Carbon Tetrachloride	7.63	117	12990	5.391	ug/l #	15
71) Bromoform	12.37	173	322	0.220	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	54649	25.196	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54649	76.917	ug/l #	10

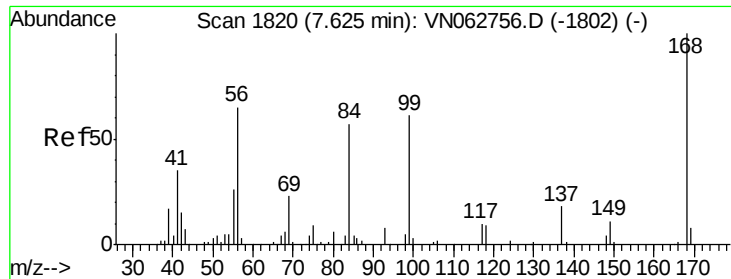
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
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QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062889.D

Acq: 13 Aug 2020 5:09

Instrument :

MSVOA_N

ClientSampleId :

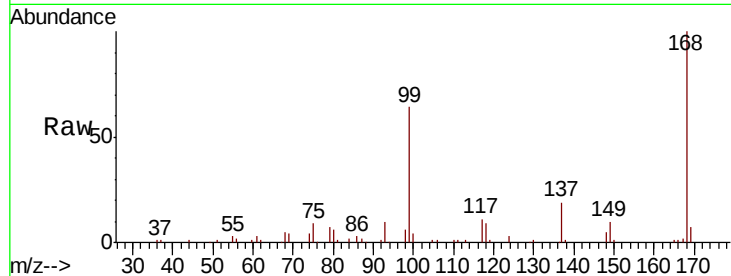
BFB

Tot Ion:168 Resp: 123264

Ion Ratio Lower Upper

168 100

99 63.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

30000

20000

10000

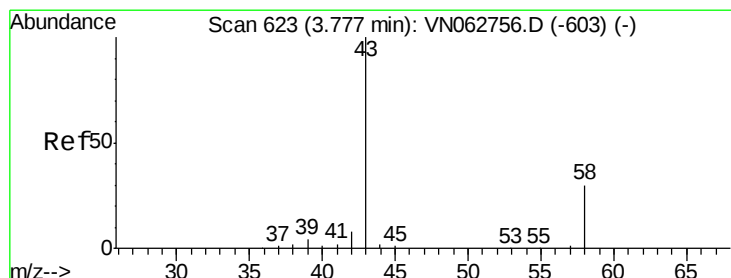
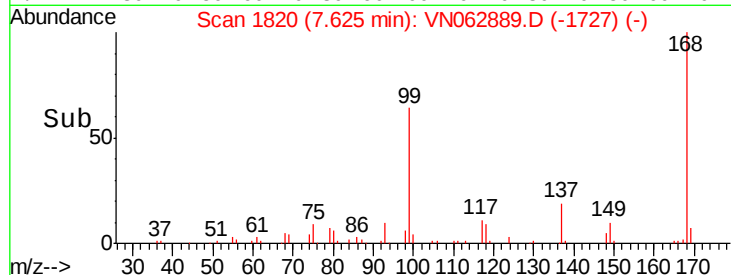
0

7.63

7.60

7.70

Time-->



#16

Acetone

Concen: 4.833 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062889.D

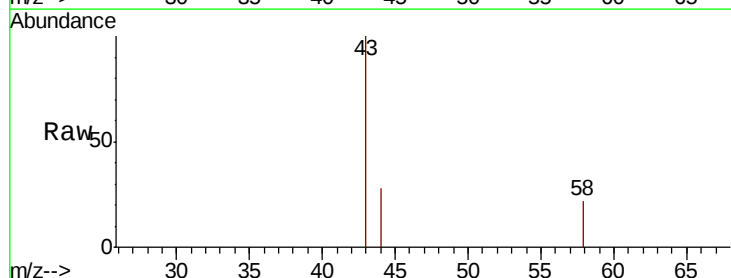
Acq: 13 Aug 2020 5:09

Tgt Ion: 43 Resp: 3560

Ion Ratio Lower Upper

43 100

58 22.4 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

1500

1000

500

0

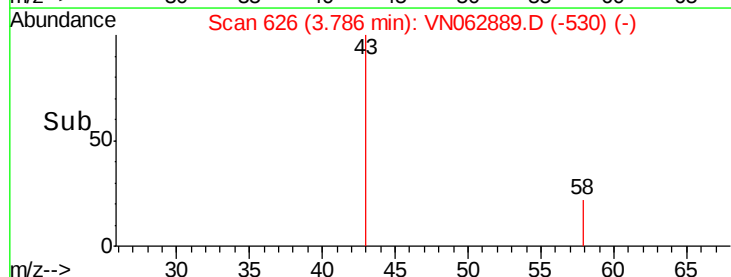
3.79

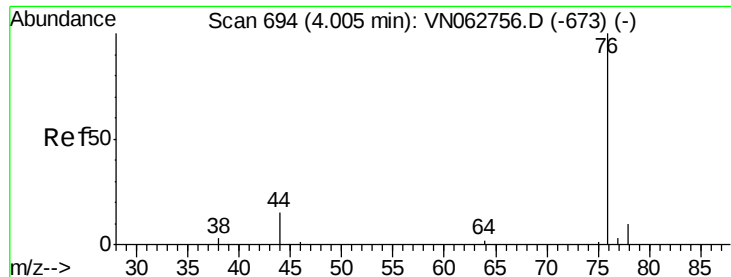
3.75

3.80

3.85

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.02 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN062889.D

Acq: 13 Aug 2020 5:09

Instrument :

MSVOA_N

ClientSampleId :

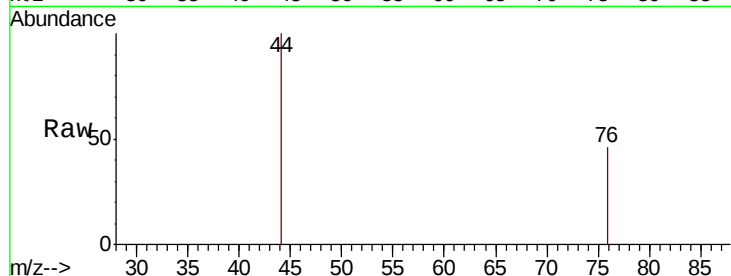
BFB

Tot Ion: 76 Resp: 70

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062756.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062756.D (-673) (-)

4.02

200

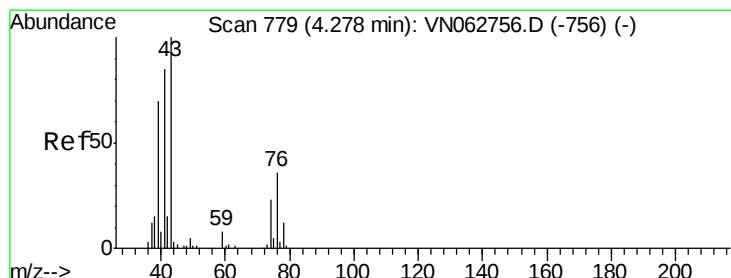
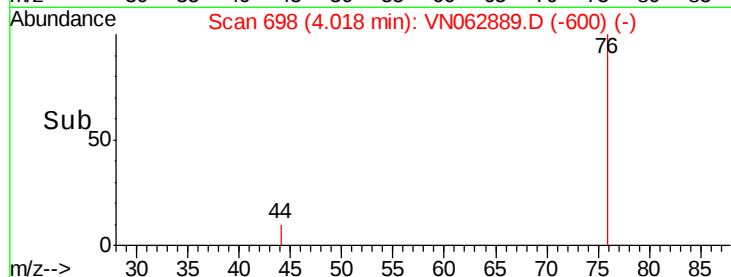
150

100

50

0

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 784

Delta R.T. 0.02 min

Lab File: VN062889.D

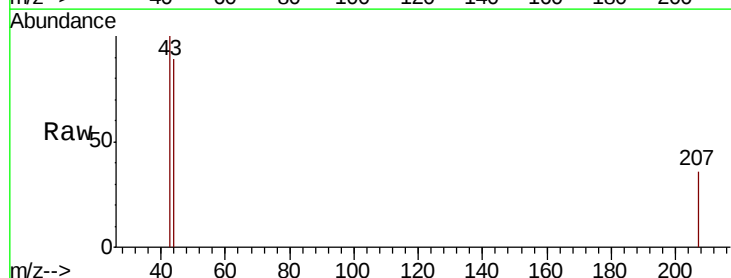
Acq: 13 Aug 2020 5:09

Tgt Ion: 43 Resp: 644

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-756) (-)

Ion 74.00 (73.70 to 74.70): VN062756.D (-756) (-)

4.29

500

400

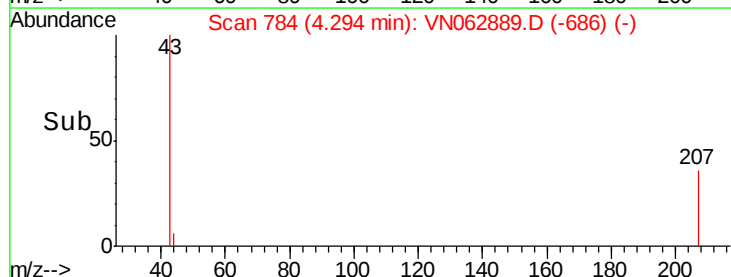
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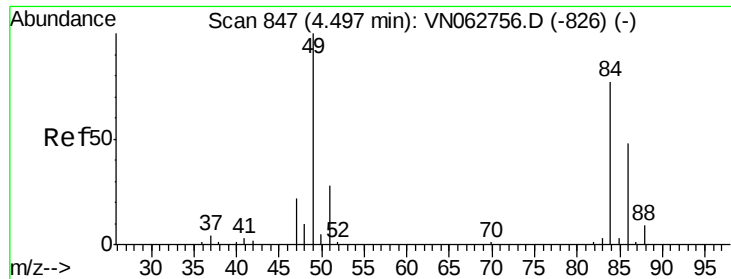
200

100

0

Time-->

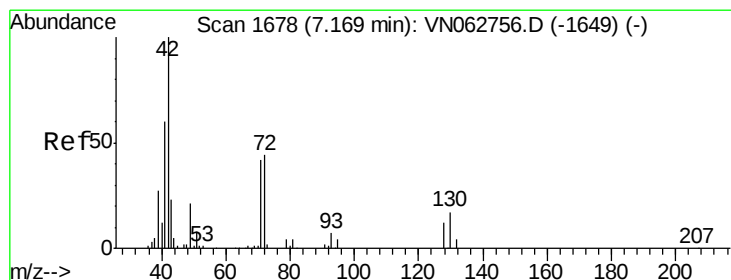
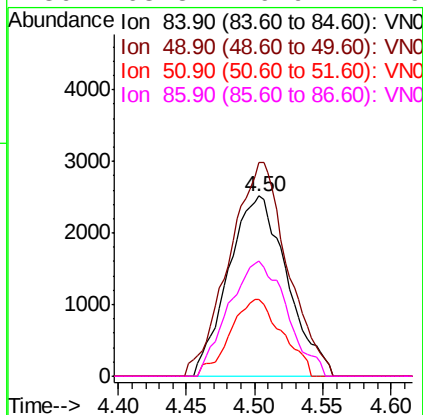
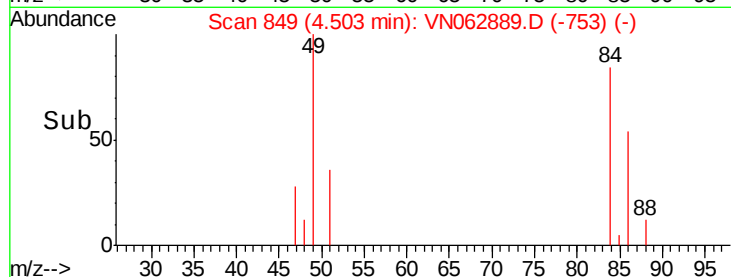
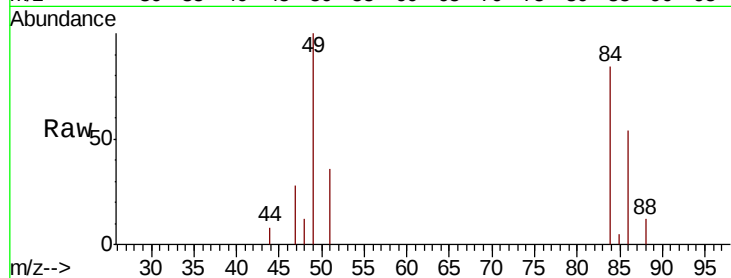




#20
Methvlene Chloride
Concen: 4.898 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062889.D
Acq: 13 Aug 2020 5:09

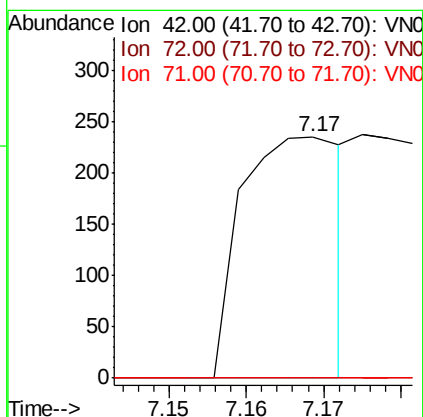
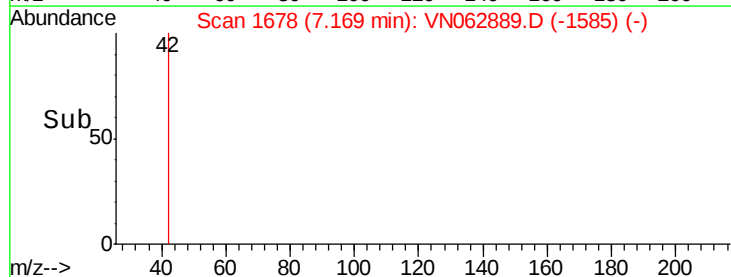
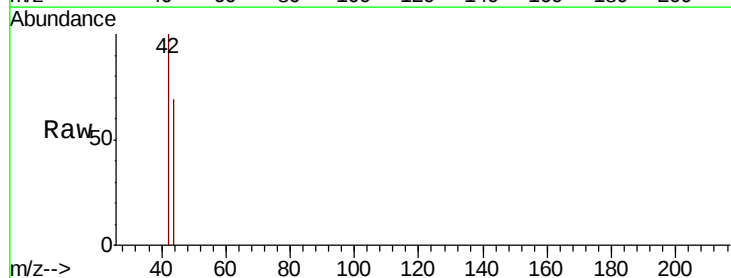
Instrument :
MSVOA_N
ClientSampleId :
BFB

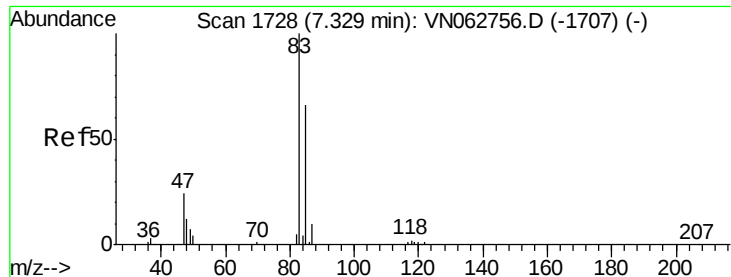
Tot Ion:	84	Resp:	7526
Ion	Ratio	Lower	Upper
84	100		
49	118.6	103.4	155.2
51	42.4	29.3	43.9
86	63.8	49.9	74.9



#29
Tetrahydrofuran
Concen: 0.311 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062889.D
Acq: 13 Aug 2020 5:09

Tgt Ion:	42	Resp:	211
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.0	52.4#
71	0.0	33.2	49.8#

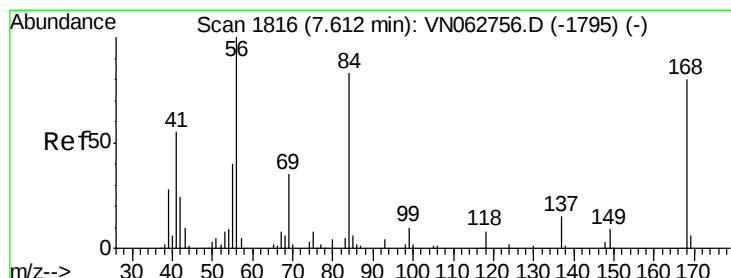
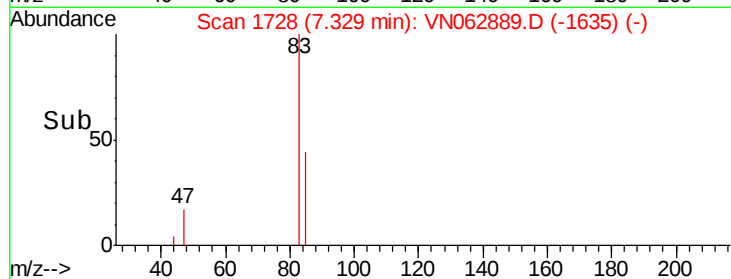
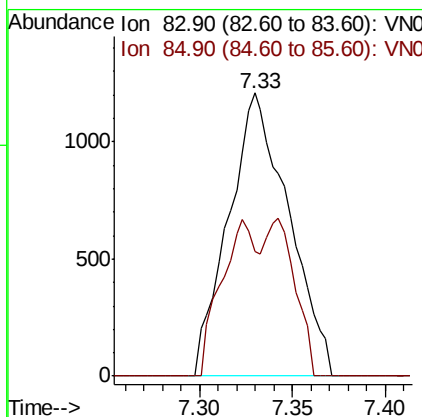
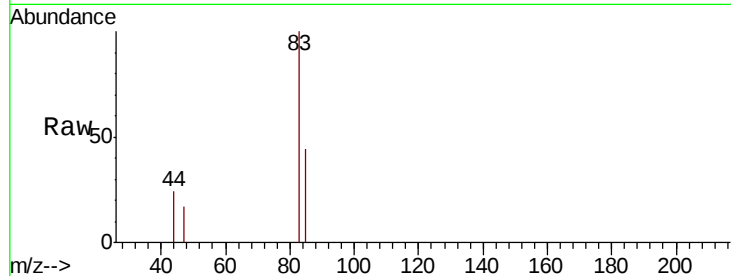




#30
Chloroform
Concen: 0.953 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062889.D
Acq: 13 Aug 2020 5:09

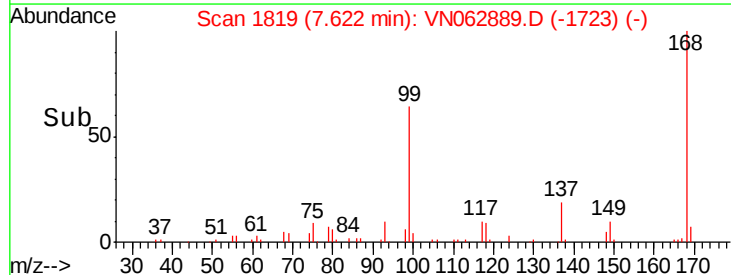
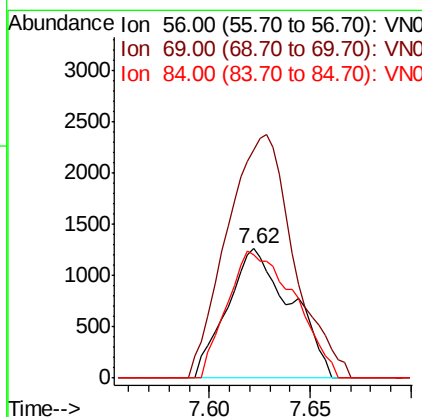
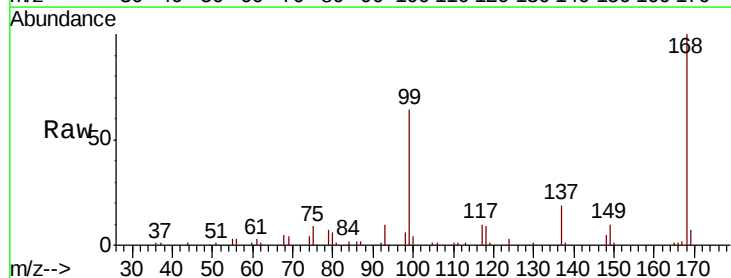
Instrument :
MSVOA_N
ClientSampled :
BFB

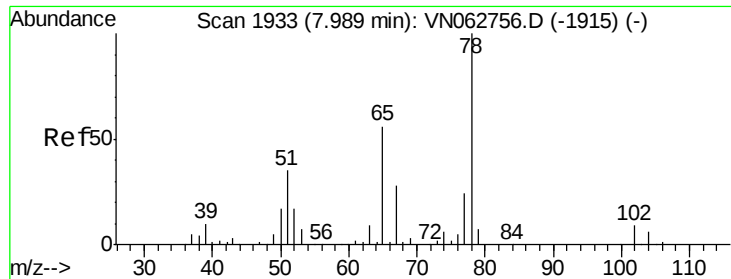
Tot Ion: 83 Resp: 2726
Ion Ratio Lower Upper
83 100
85 44.0 52.7 79.1#



#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062889.D
Acq: 13 Aug 2020 5:09

Tgt Ion: 56 Resp: 2777
Ion Ratio Lower Upper
56 100
69 177.1 28.1 42.1#
84 95.4 66.8 100.2





#33

1,2-Dichloroethane-d4

Concen: 51.482 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062889.D

Acq: 13 Aug 2020 5:09

Instrument :

MSVOA_N

ClientSampled :

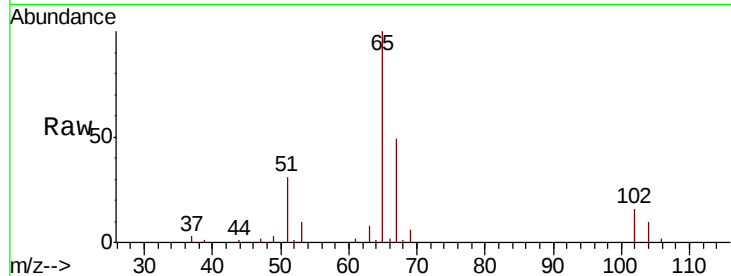
BFB

Tot Ion: 65 Resp: 104941

Ion Ratio Lower Upper

65 100

67 49.5 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062756.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062756.D (-1915) (-)

7.99

50000

40000

30000

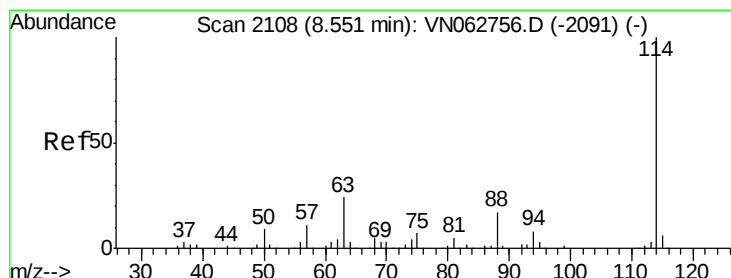
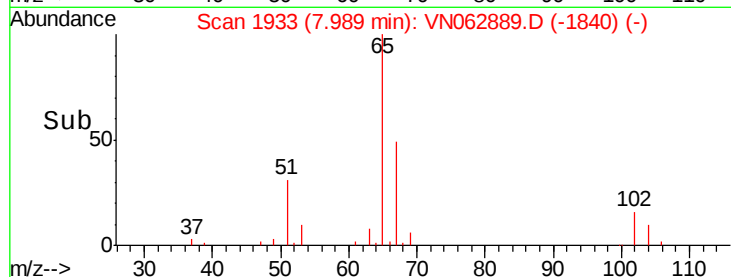
20000

10000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062889.D

Acq: 13 Aug 2020 5:09

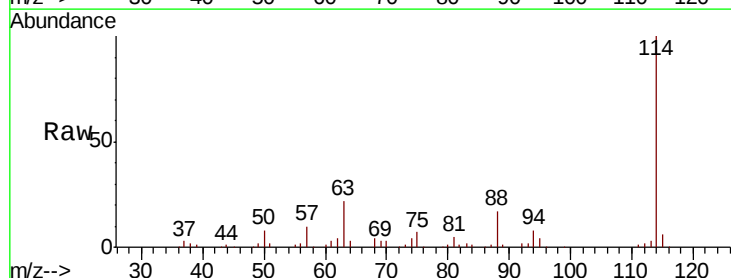
Tgt Ion: 114 Resp: 209218

Ion Ratio Lower Upper

114 100

63 21.6 0.0 47.6

88 16.6 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VN062756.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062756.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062756.D (-2091) (-)

8.55

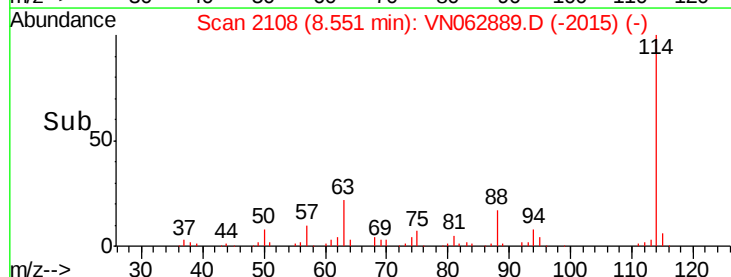
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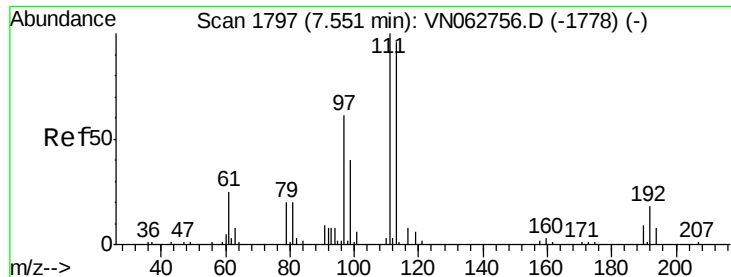
50000

0

Time-->

8.45 8.50 8.55 8.60 8.65

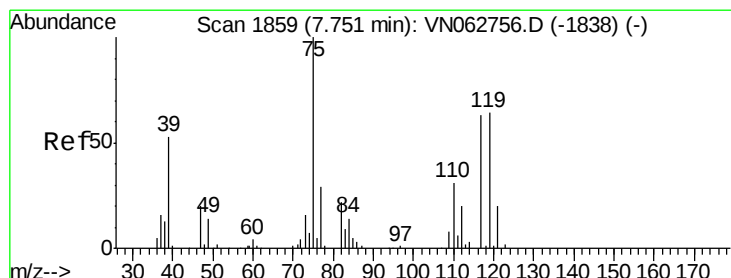
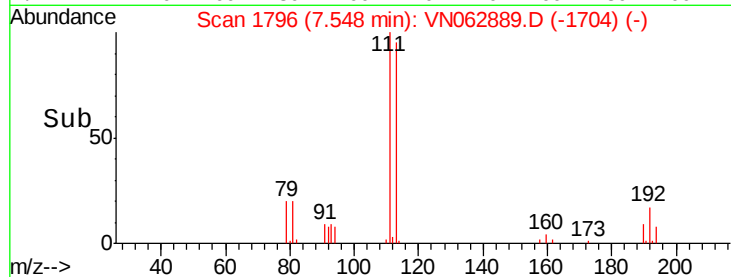
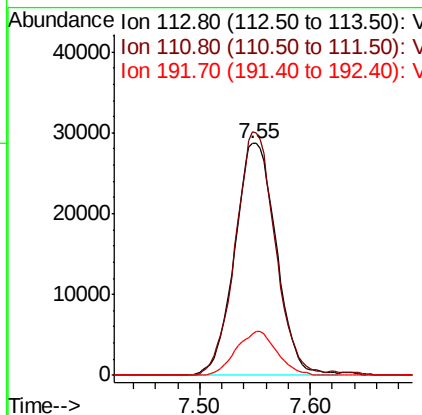
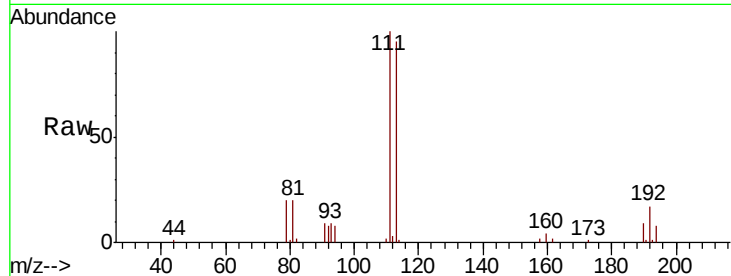




#35
 Dibromofluoromethane
 Concen: 52.289 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062889.D
 Acq: 13 Aug 2020 5:09

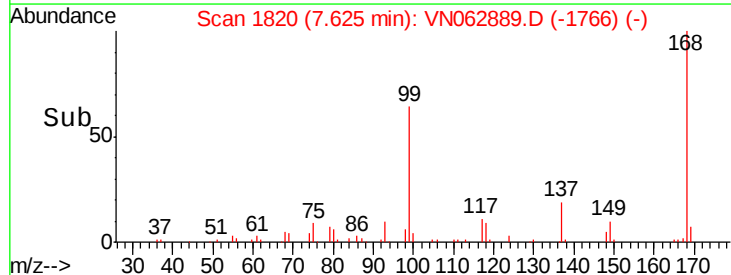
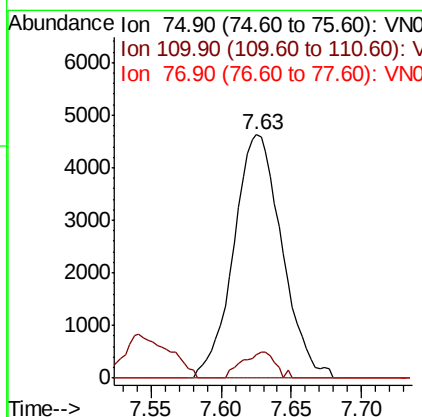
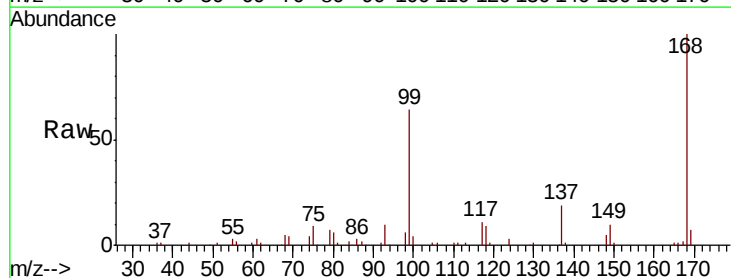
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

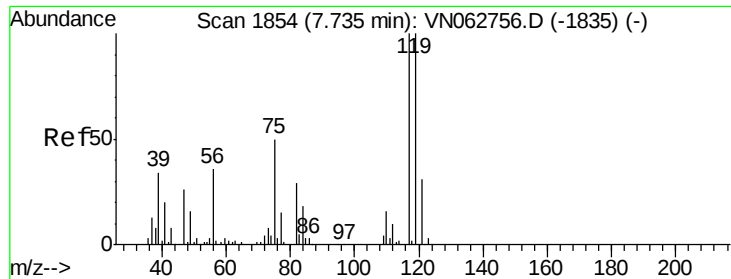
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.8	122.6
192	18.5	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 5.430 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062889.D
 Acq: 13 Aug 2020 5:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	15.6	46.7#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 5.391 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062889.D

Acq: 13 Aug 2020 5:09

Instrument :

MSVOA_N

ClientSampled :

BFB

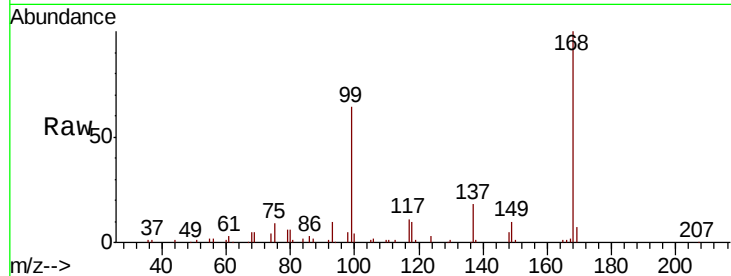
Tot Ion:117 Resp: 12990

Ion Ratio Lower Upper

117 100

119 6.3 79.4 119.2#

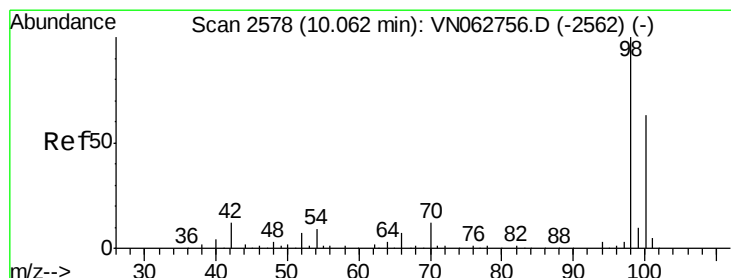
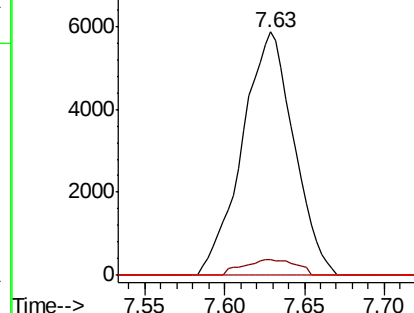
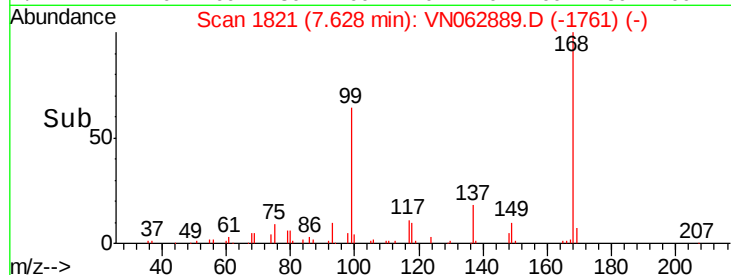
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 49.064 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062889.D

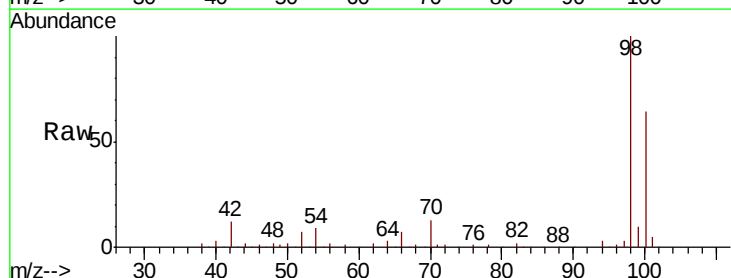
Acq: 13 Aug 2020 5:09

Tgt Ion: 98 Resp: 274138

Ion Ratio Lower Upper

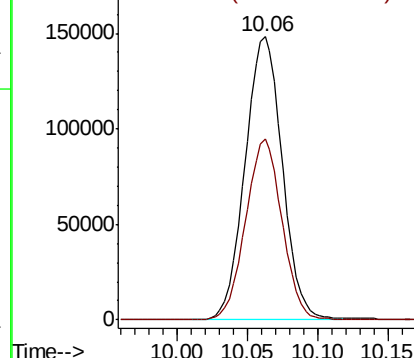
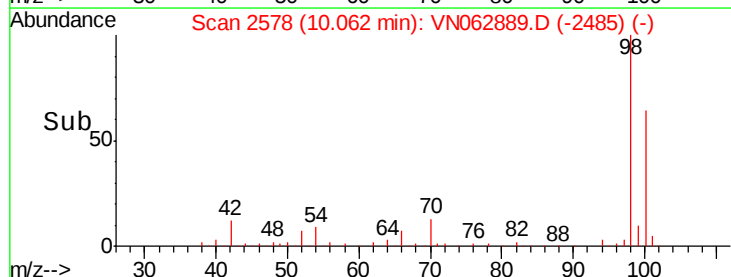
98 100

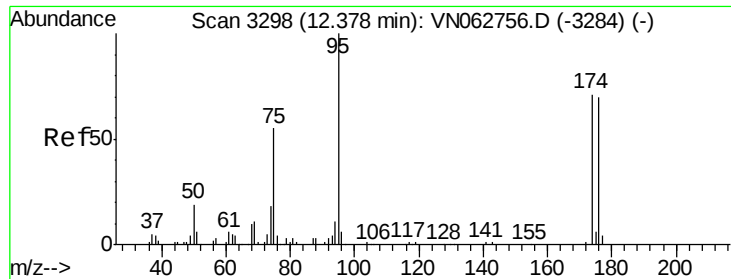
100 62.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 47.698 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062889.D

Acq: 13 Aug 2020 5:09

Instrument :

MSVOA_N

ClientSampleId :

BFB

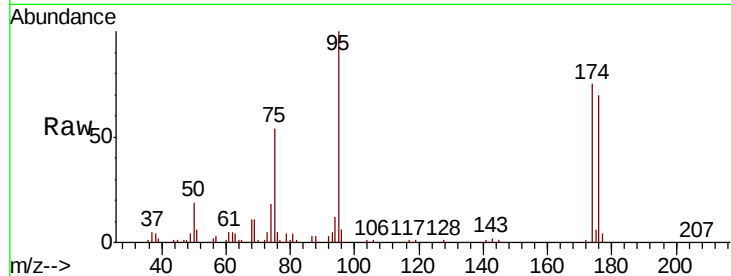
Tot Ion: 95 Resp: 100714

Ion Ratio Lower Upper

95 100

174 76.3 0.0 144.8

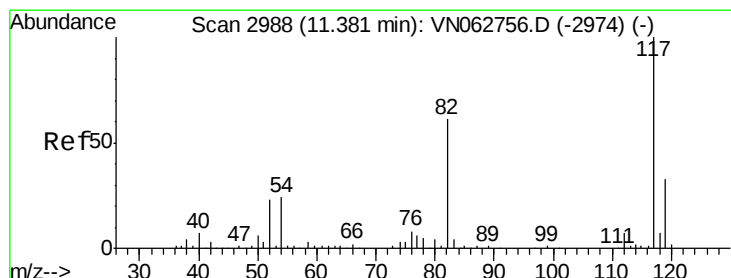
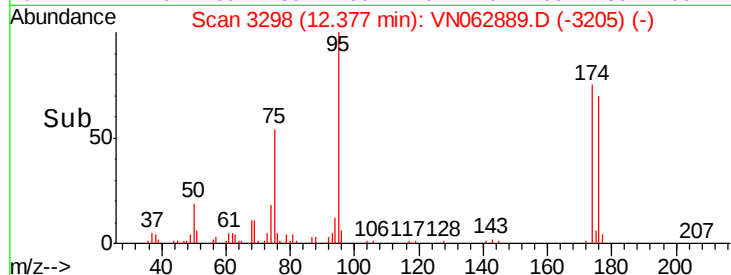
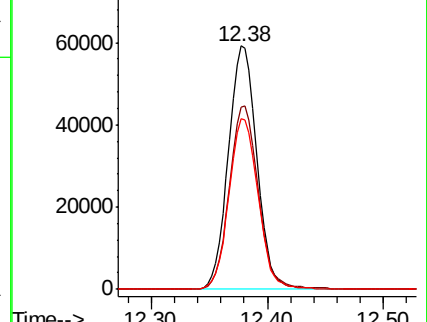
176 71.4 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062756.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062756.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062889.D

Acq: 13 Aug 2020 5:09

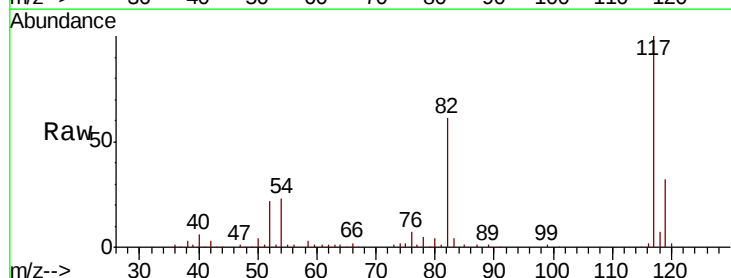
Tgt Ion: 117 Resp: 213245

Ion Ratio Lower Upper

117 100

82 60.7 49.0 73.4

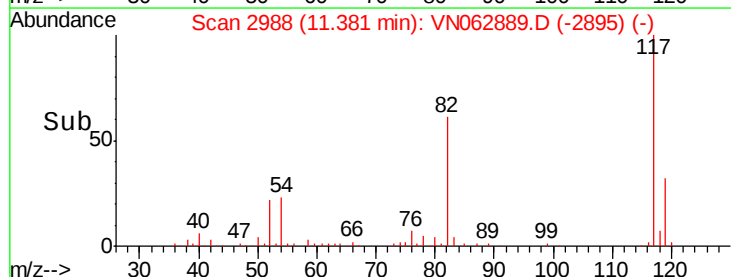
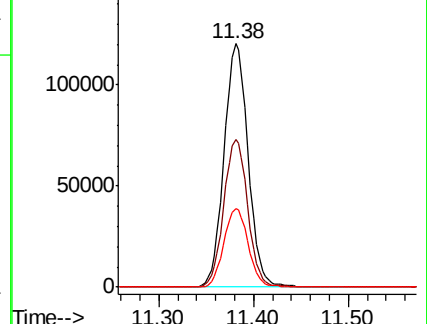
119 32.4 26.2 39.2

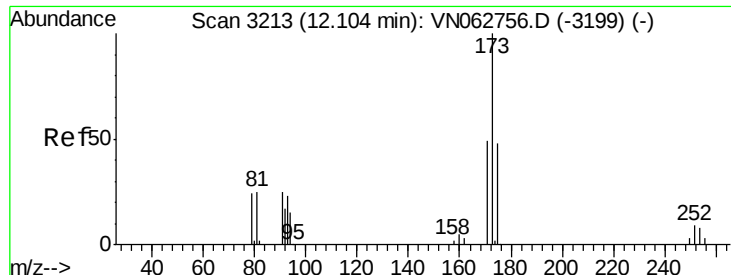


Abundance Ion 116.90 (116.60 to 117.60): VN062756.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062756.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062756.D (-2974) (-)

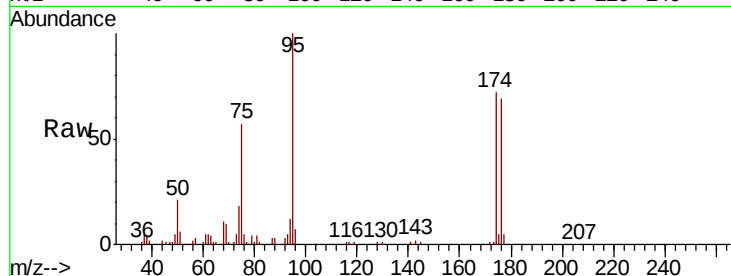




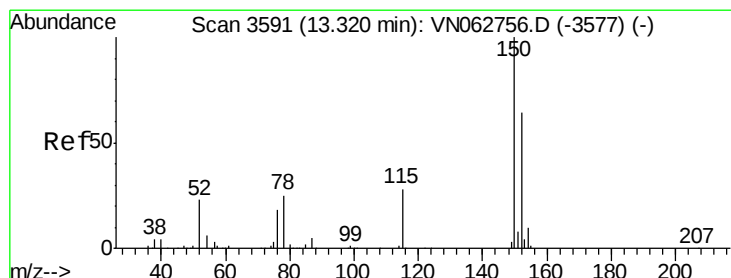
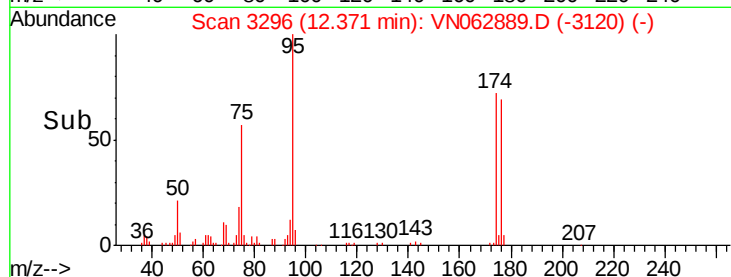
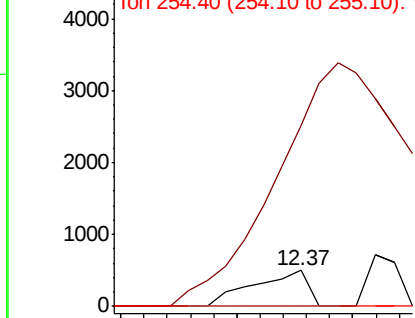
#71
Bromoform
Concen: 0.220 ug/l
RT: 12.37 min Scan# 3296
Delta R.T. 0.27 min
Lab File: VN062889.D
Acq: 13 Aug 2020 5:09

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:173 Resp: 322
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0

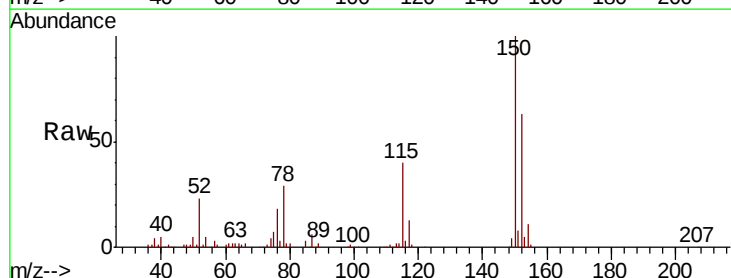


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

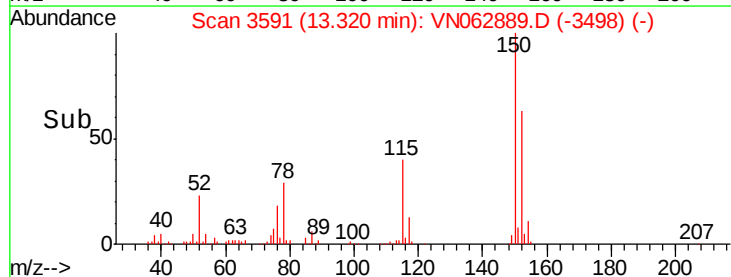
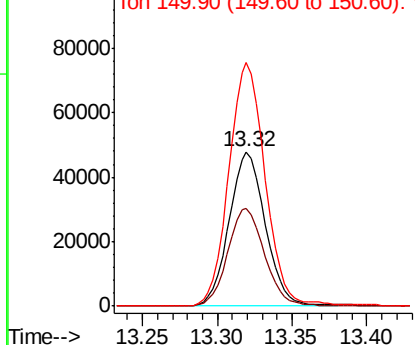


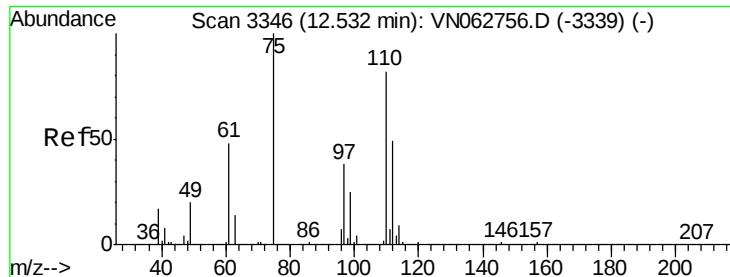
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062889.D
Acq: 13 Aug 2020 5:09

Tgt Ion:152 Resp: 80424
Ion Ratio Lower Upper
152 100
115 64.4 31.6 94.8
150 159.2 0.0 349.2



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

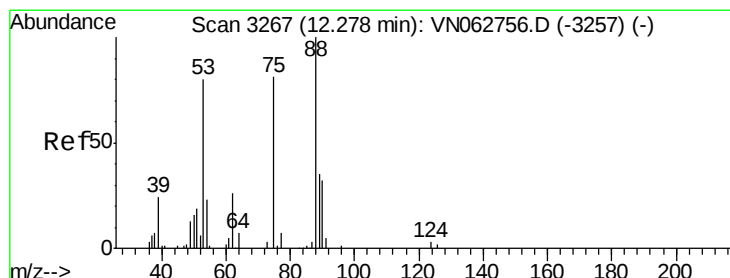
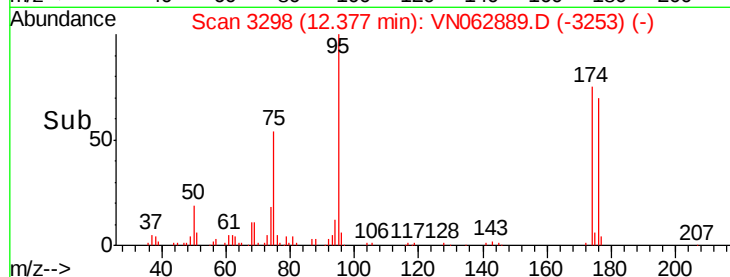
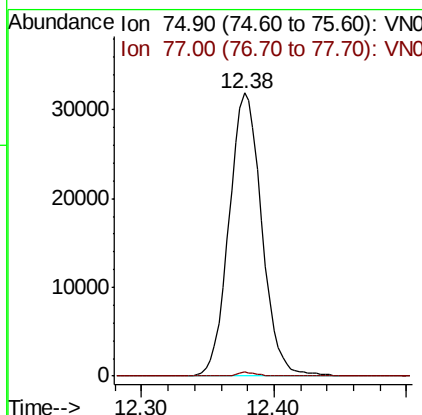
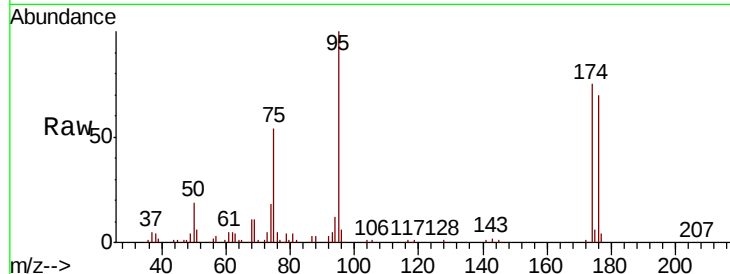




#76
 1,2,3-Trichloropropane
 Concen: 25.196 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062889.D
 Acq: 13 Aug 2020 5:09

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

Tot Ion: 75 Resp: 54649
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.917 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062889.D
 Acq: 13 Aug 2020 5:09

Tgt Ion: 75 Resp: 54649
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#

