

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062888.D
 Acq On : 13 Aug 2020 4:45
 Operator : JC/MD
 Sample : PB130908ZHE#18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#18

Quant Time: Aug 13 05:30:19 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	125275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	213412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	219165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	79790	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	103093	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
35) Dibromofluoromethane	7.55	113	74744	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
50) Toluene-d8	10.06	98	278152	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	12.38	95	100783	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	

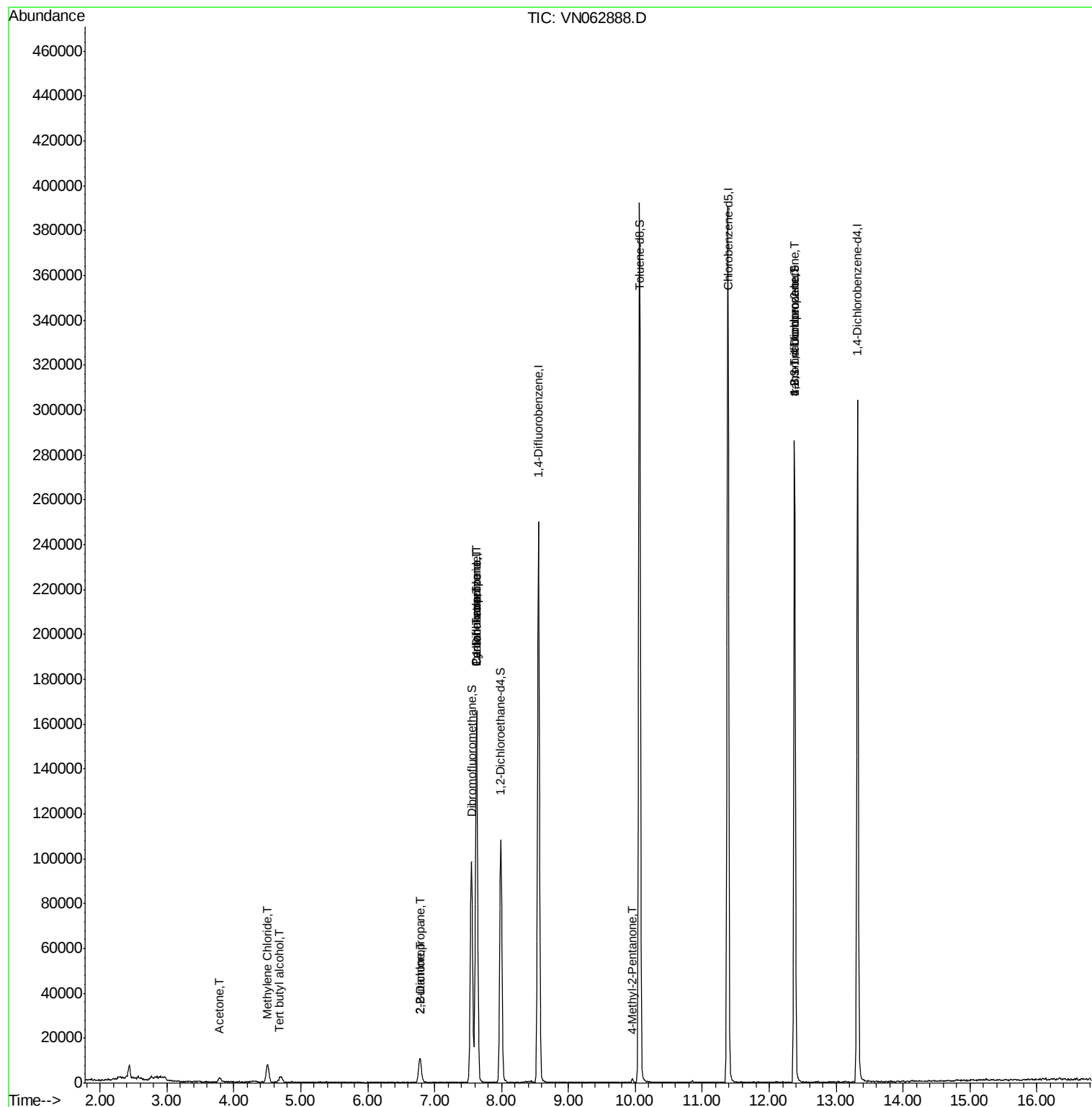
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	3454	10.173	ug/l #	72
16) Acetone	3.78	43	3744	5.002	ug/l	96
18) Methyl Acetate	4.29	43	833	Below Cal	#	52
20) Methylene Chloride	4.50	84	6755	4.235	ug/l	93
25) 2-Butanone	6.79	43	914	0.862	ug/l #	49
26) 2,2-Dichloropropane	6.78	77	528	0.209	ug/l #	55
31) Cyclohexane	7.63	56	2695	1.073	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10669	5.134	ug/l #	52
38) Carbon Tetrachloride	7.63	117	13730	5.587	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	1591	0.679	ug/l #	71
76) 1,2,3-Trichloropropane	12.38	75	53877	25.038	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53877	76.433	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
Data File : VN062888.D
Acq On : 13 Aug 2020 4:45
Operator : JC/MD
Sample : PB130908ZHE#18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#18

Quant Time: Aug 13 05:30:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
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: VN062888.D

Acq: 13 Aug 2020 4:45

Instrument :

MSVOA_N

ClientSampleId :

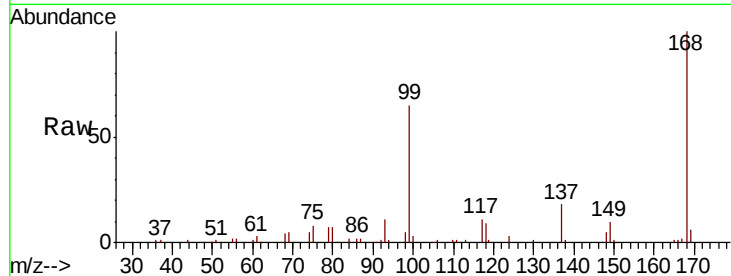
PB130908ZHE#18

Tot Ion:168 Resp: 125275

Ion Ratio Lower Upper

168 100

99 65.1 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

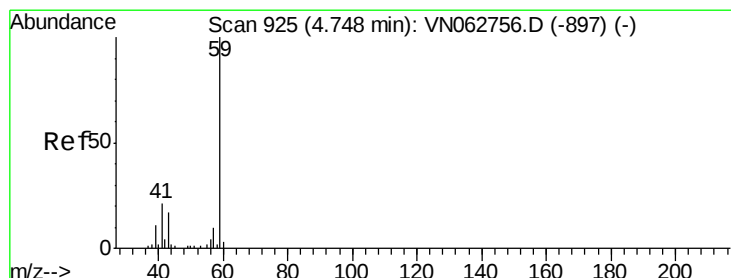
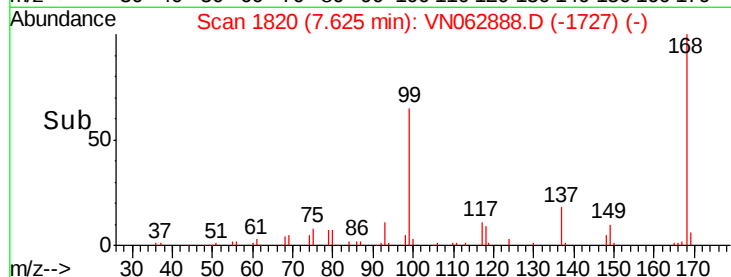
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 10.173 ug/l

RT: 4.69 min Scan# 906

Delta R.T. -0.06 min

Lab File: VN062888.D

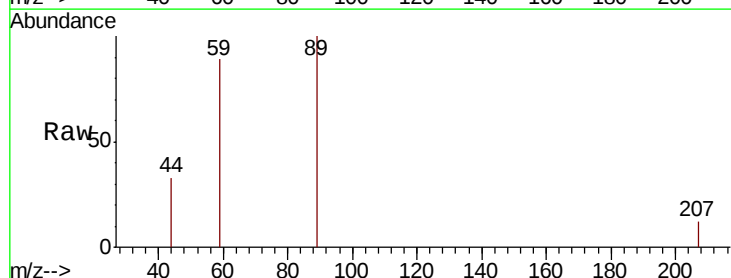
Acq: 13 Aug 2020 4:45

Tgt Ion: 59 Resp: 3454

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.69

1200

1000

800

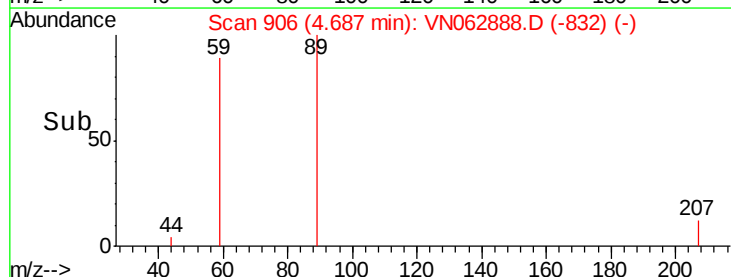
600

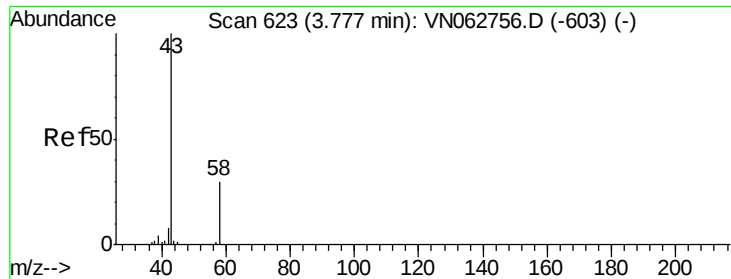
400

200

0

Time-->





#16

Acetone

Concen: 5.002 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062888.D

Acq: 13 Aug 2020 4:45

Instrument :

MSVOA_N

ClientSampleId :

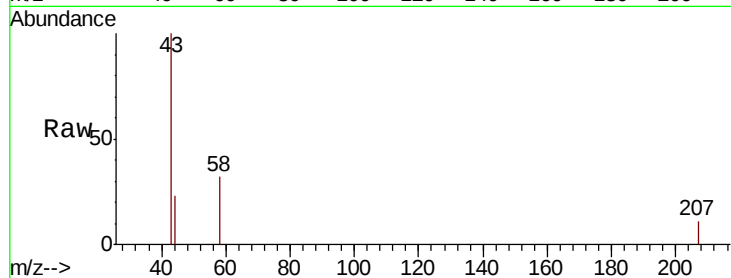
PB130908ZHE#18

Tot Ion: 43 Resp: 3744

Ion Ratio Lower Upper

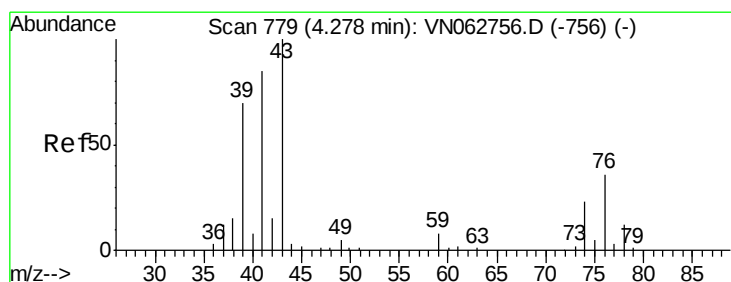
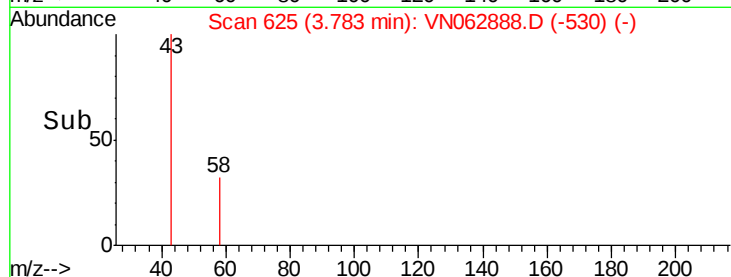
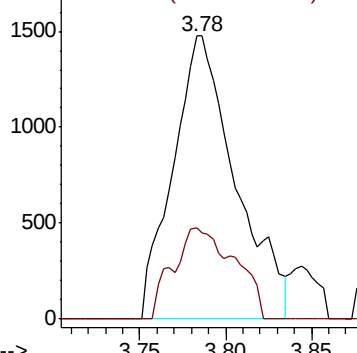
43 100

58 32.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062888.D

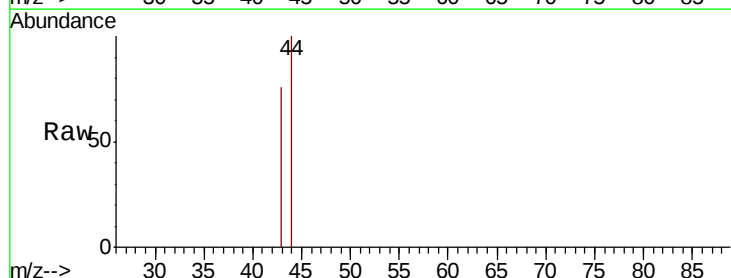
Acq: 13 Aug 2020 4:45

Tgt Ion: 43 Resp: 833

Ion Ratio Lower Upper

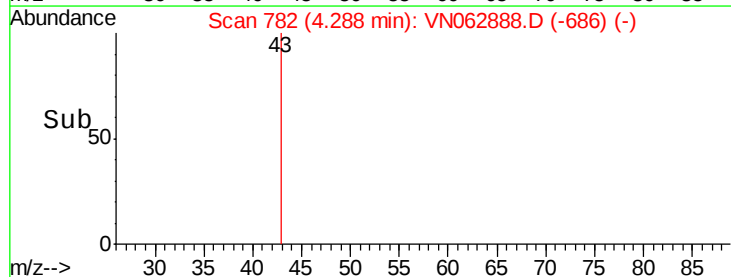
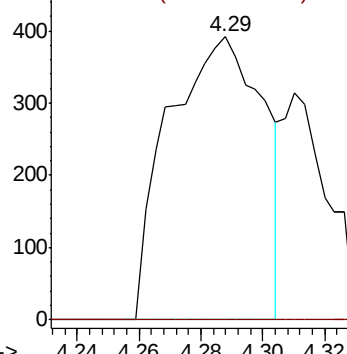
43 100

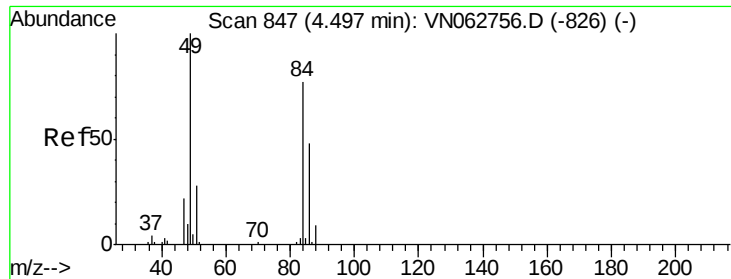
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

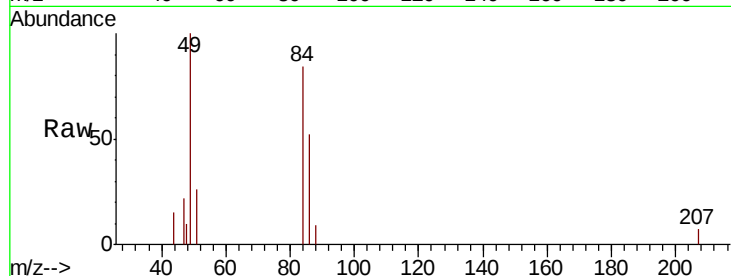




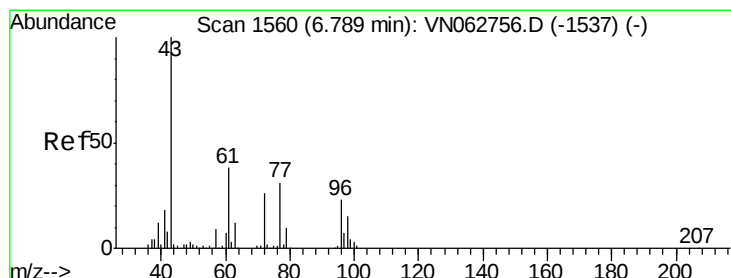
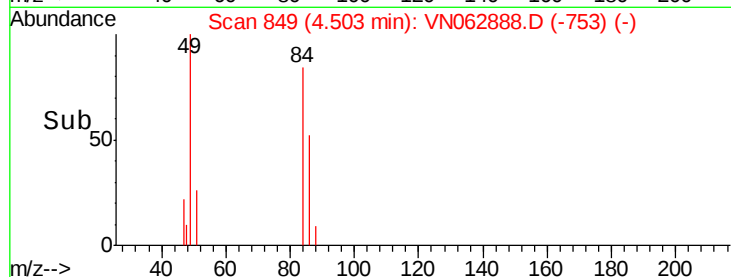
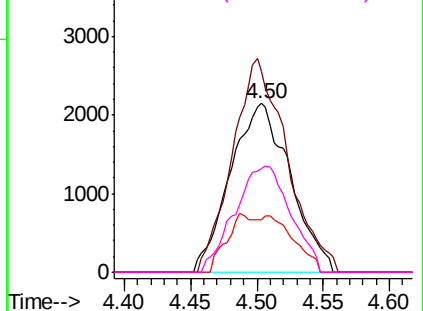
#20
Methylene Chloride
Concen: 4.235 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062888.D
Acq: 13 Aug 2020 4:45

Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#18

Tot Ion: 84 Resp: 6755
Ion Ratio Lower Upper
84 100
49 118.9 103.4 155.2
51 31.3 29.3 43.9
86 61.3 49.9 74.9

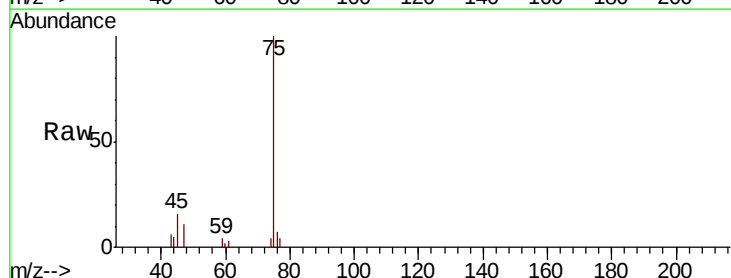


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

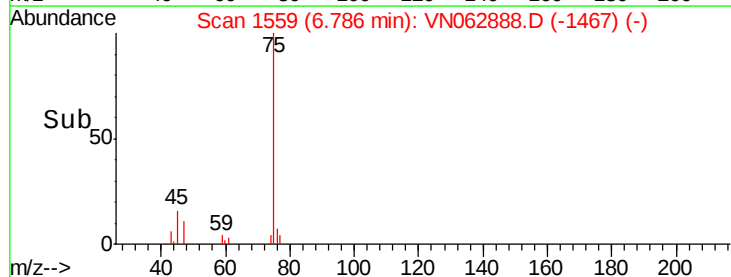
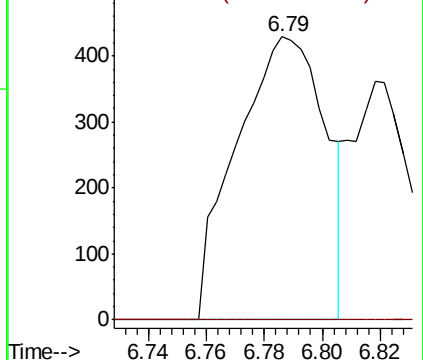


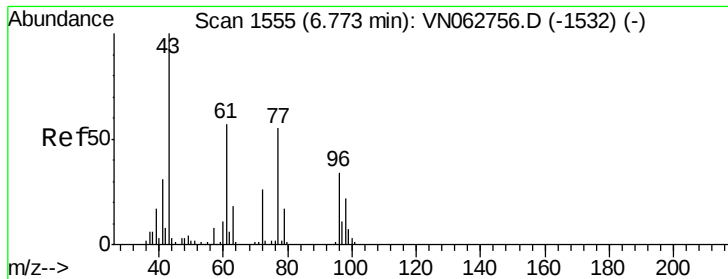
#25
2-Butanone
Concen: 0.862 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062888.D
Acq: 13 Aug 2020 4:45

Tgt Ion: 43 Resp: 914
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

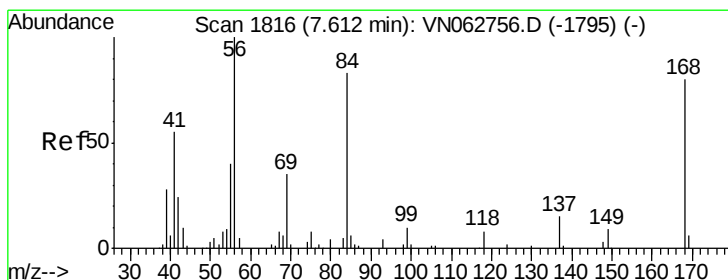
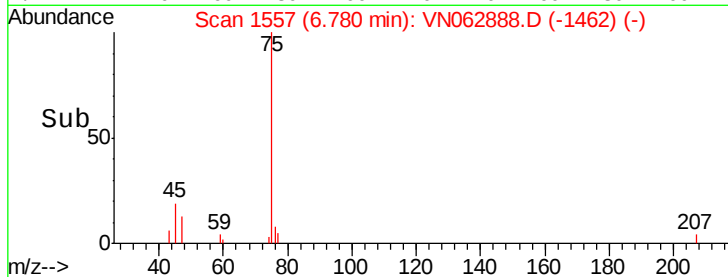
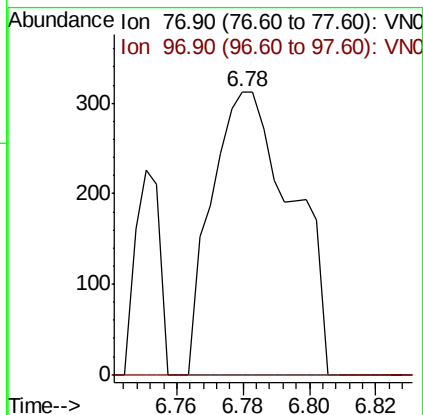
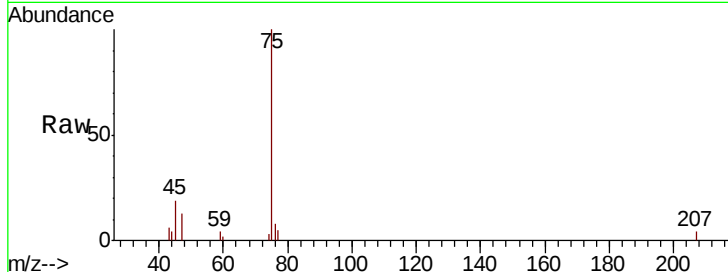




#26
 2,2-Dichloropropane
 Concen: 0.209 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: VN062888.D
 Acq: 13 Aug 2020 4:45

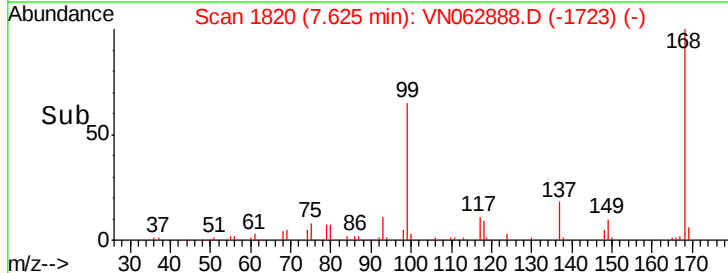
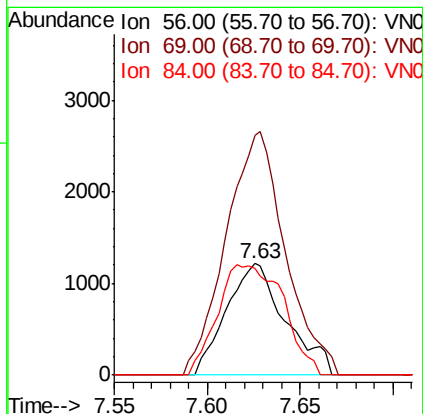
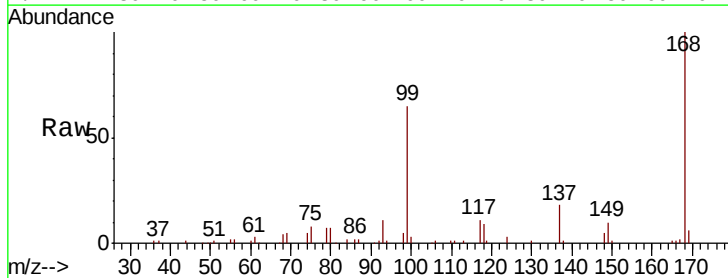
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#18

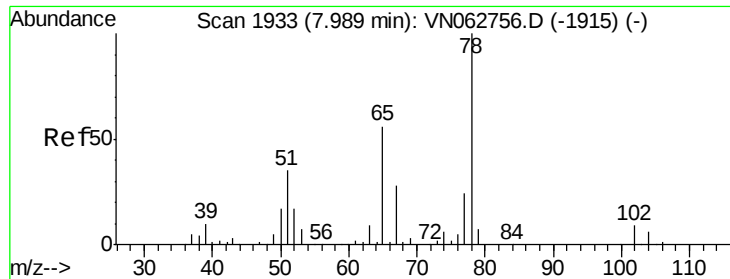
Tot Ion: 77 Resp: 528
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.6#



#31
 Cyclohexane
 Concen: 1.073 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: VN062888.D
 Acq: 13 Aug 2020 4:45

Tgt Ion: 56 Resp: 2695
 Ion Ratio Lower Upper
 56 100
 69 215.5 28.1 42.1#
 84 95.3 66.8 100.2





#33

1,2-Dichloroethane-d4

Concen: 49.764 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062888.D

Acq: 13 Aug 2020 4:45

Instrument :

MSVOA_N

ClientSampleId :

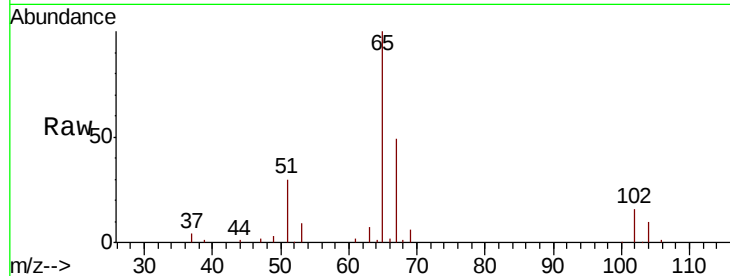
PB130908ZHE#18

Tot Ion: 65 Resp: 103093

Ion Ratio Lower Upper

65 100

67 50.1 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062888.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062888.D (-1840) (-)

7.99

50000

40000

30000

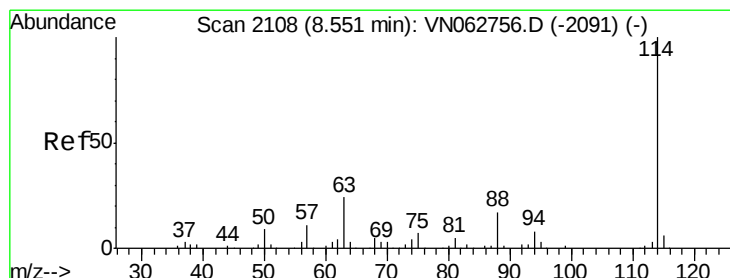
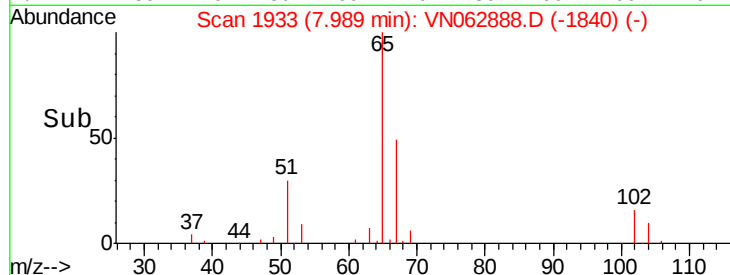
20000

10000

0

Time-->

7.90 7.95 8.00 8.05



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062888.D

Acq: 13 Aug 2020 4:45

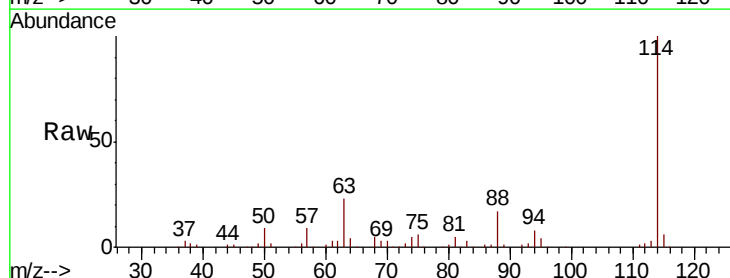
Tgt Ion: 114 Resp: 213412

Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.6

88 16.9 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VN062888.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062888.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062888.D (-2015) (-)

8.55

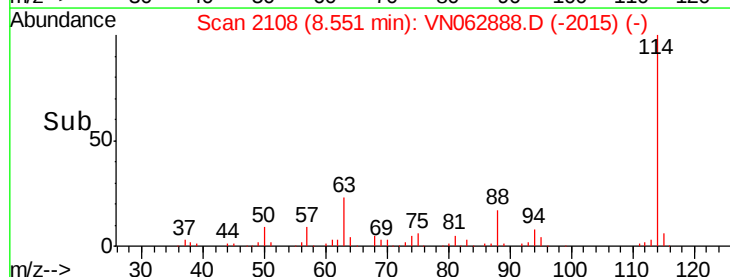
100000

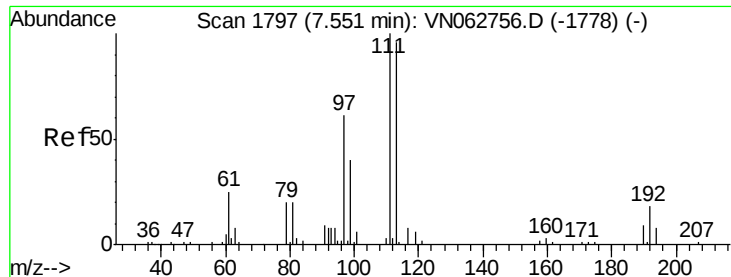
50000

0

Time-->

8.50 8.60 8.70

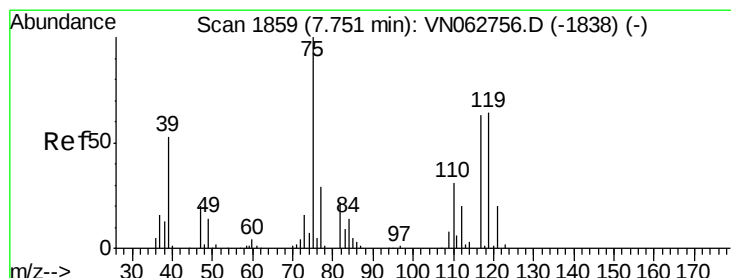
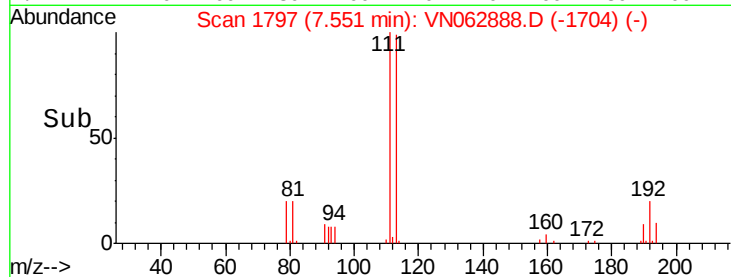
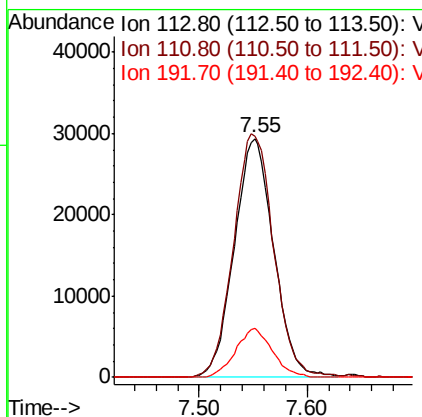
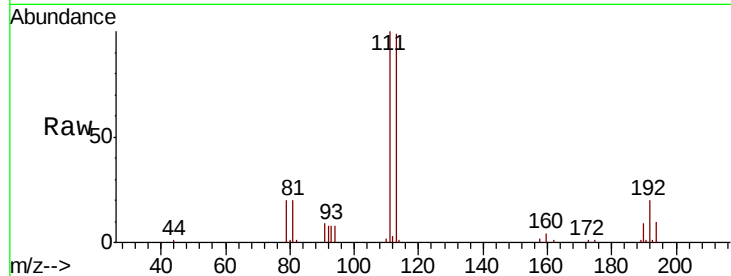




#35
 Dibromofluoromethane
 Concen: 51.199 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062888.D
 Acq: 13 Aug 2020 4:45

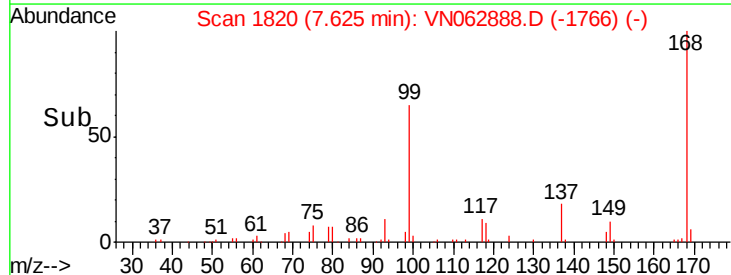
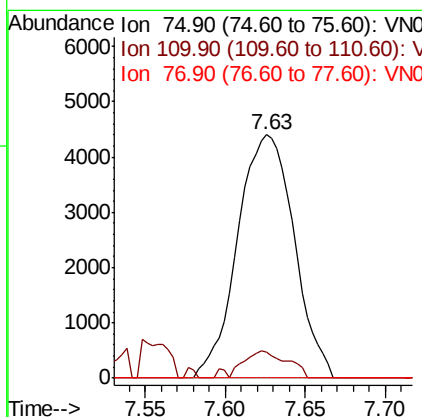
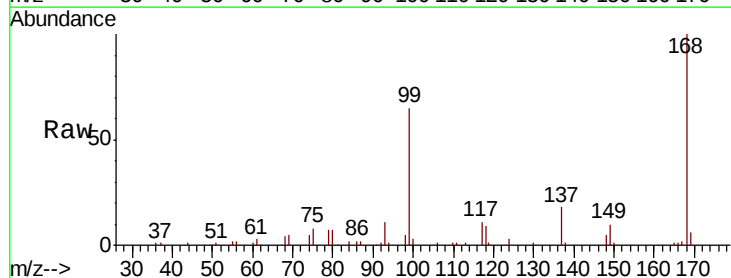
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#18

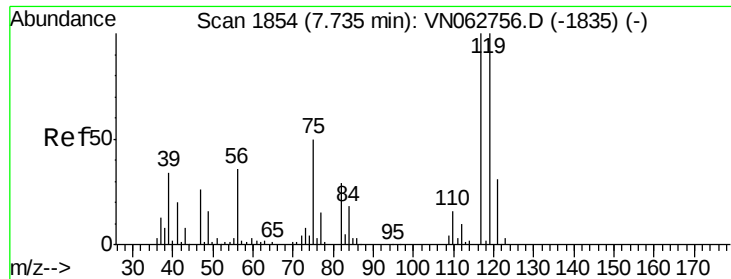
Tot Ion:113 Resp: 74744
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.8 122.6
 192 19.1 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 5.134 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062888.D
 Acq: 13 Aug 2020 4:45

Tgt Ion: 75 Resp: 10669
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.6 46.7#
 77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.587 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062888.D

Acq: 13 Aug 2020 4:45

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#18

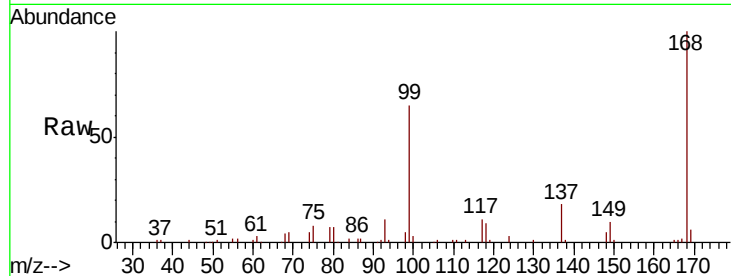
Tot Ion:117 Resp: 13730

Ion Ratio Lower Upper

117 100

119 5.2 79.4 119.2#

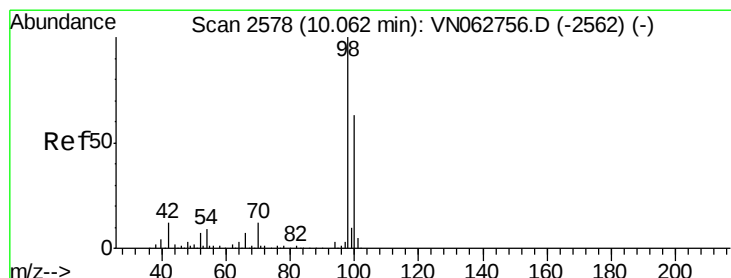
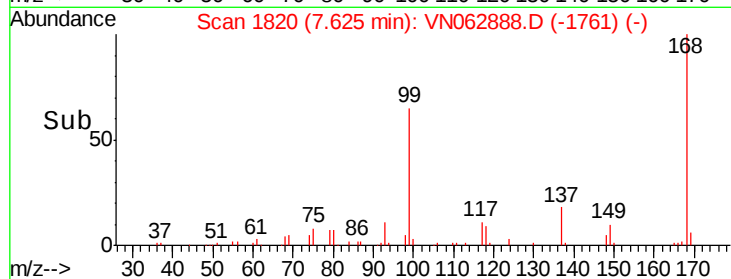
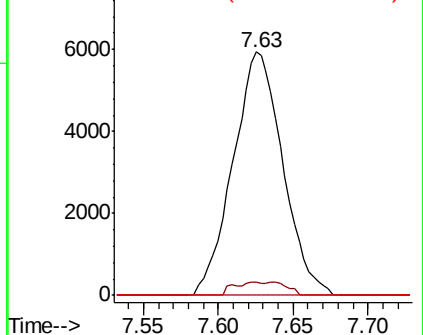
121 0.0 24.9 37.3#



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: 48.804 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062888.D

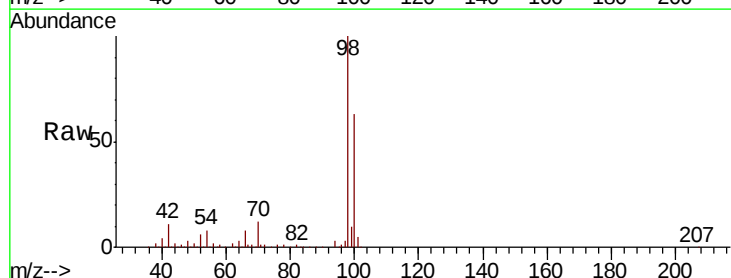
Acq: 13 Aug 2020 4:45

Tgt Ion: 98 Resp: 278152

Ion Ratio Lower Upper

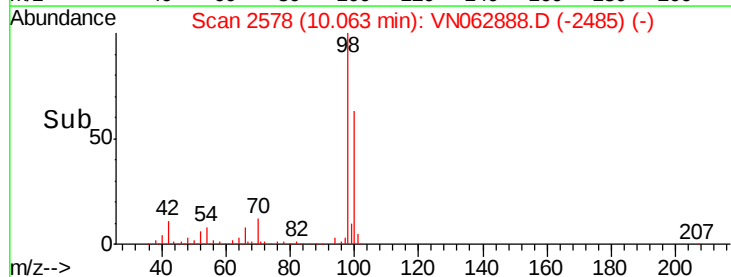
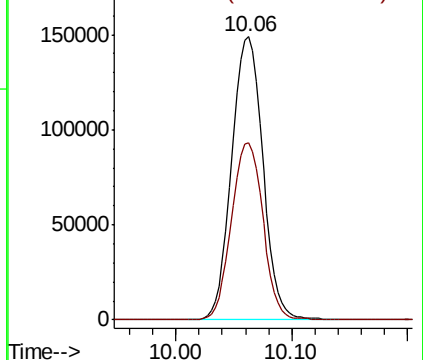
98 100

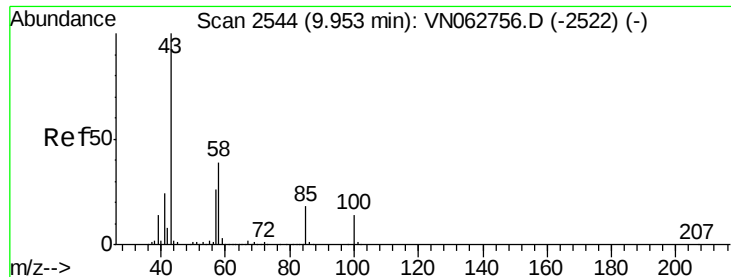
100 63.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.679 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062888.D

Acq: 13 Aug 2020 4:45

Instrument :

MSVOA_N

ClientSampleId :

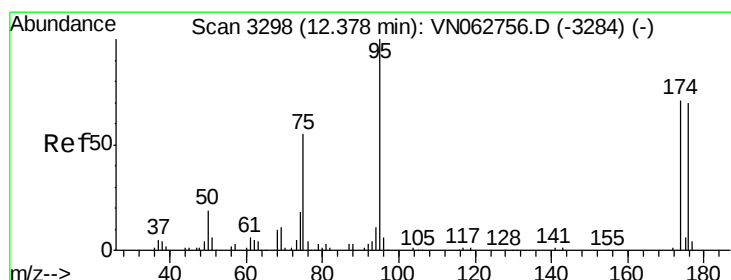
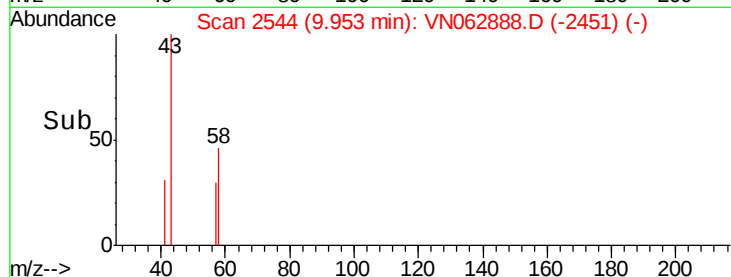
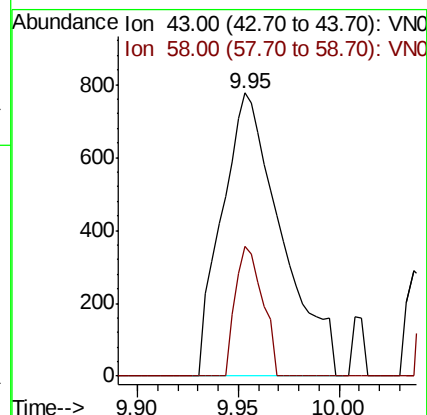
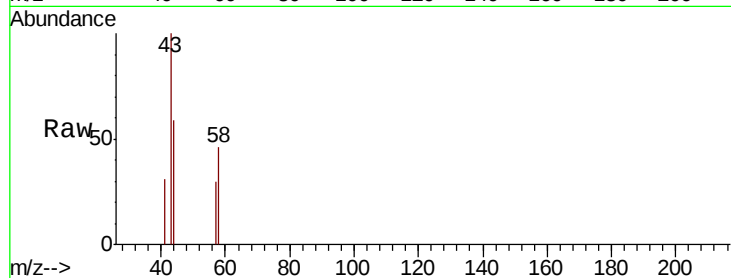
PB130908ZHE#18

Tot Ion: 43 Resp: 1591

Ion Ratio Lower Upper

43 100

58 21.2 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 46.793 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062888.D

Acq: 13 Aug 2020 4:45

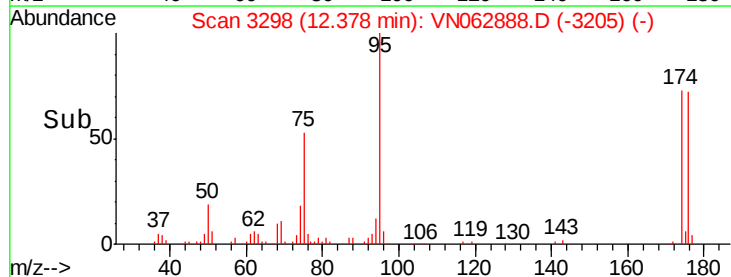
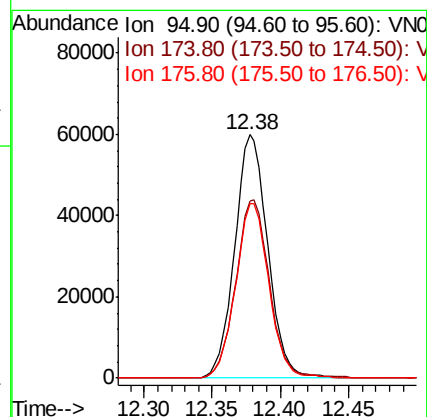
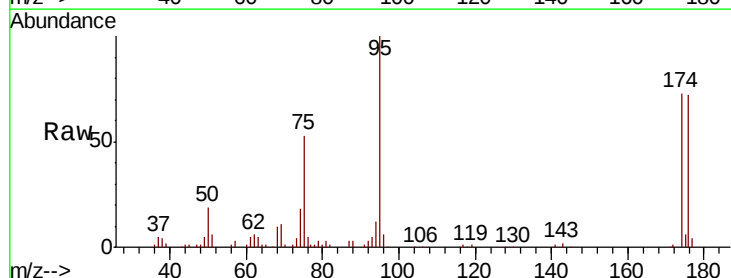
Tgt Ion: 95 Resp: 100783

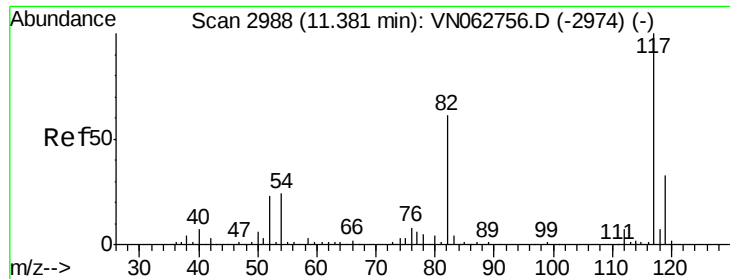
Ion Ratio Lower Upper

95 100

174 74.8 0.0 144.8

176 72.3 0.0 142.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062888.D

Acq: 13 Aug 2020 4:45

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#18

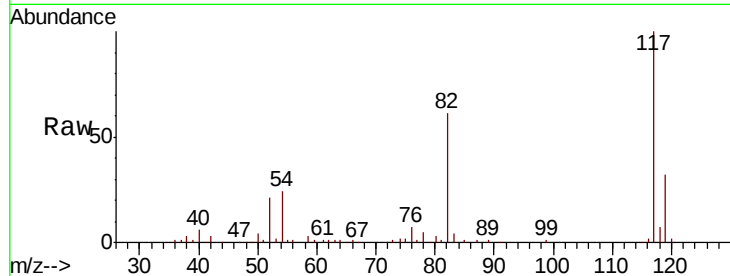
Tot Ion:117 Resp: 219165

Ion Ratio Lower Upper

117 100

82 61.3 49.0 73.4

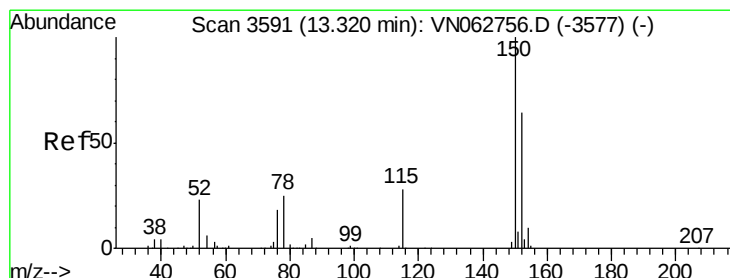
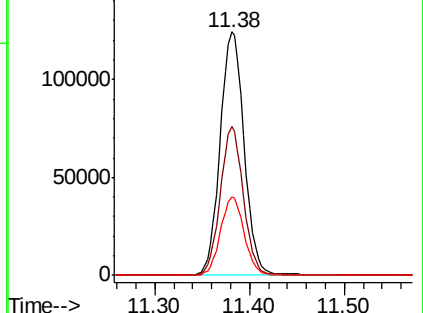
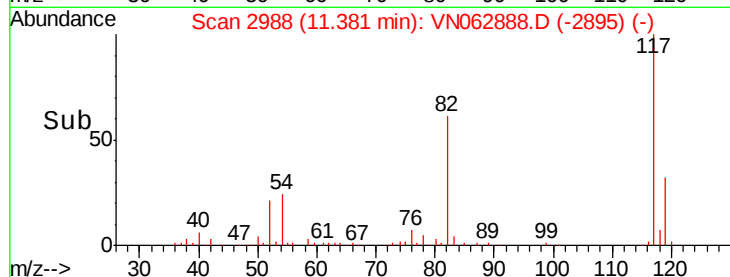
119 32.0 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): 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: VN062888.D

Acq: 13 Aug 2020 4:45

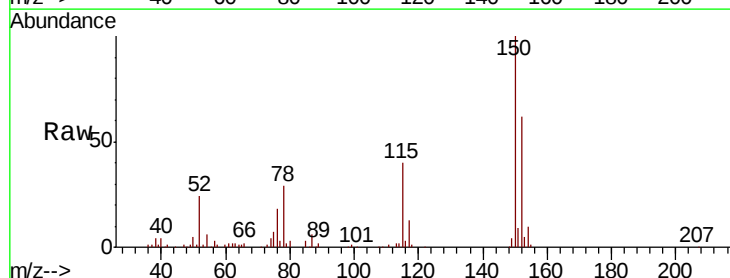
Tgt Ion:152 Resp: 79790

Ion Ratio Lower Upper

152 100

115 62.6 31.6 94.8

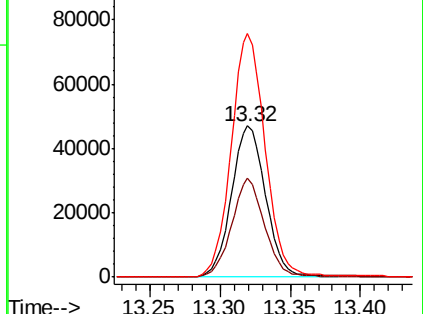
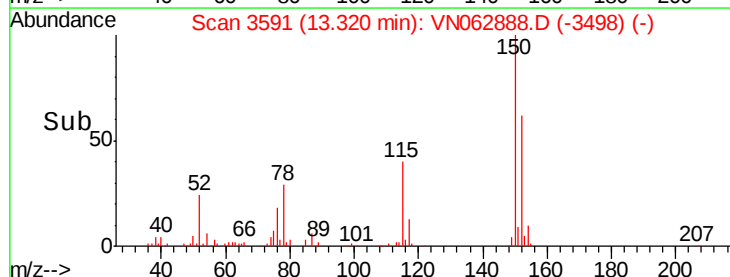
150 160.9 0.0 349.2

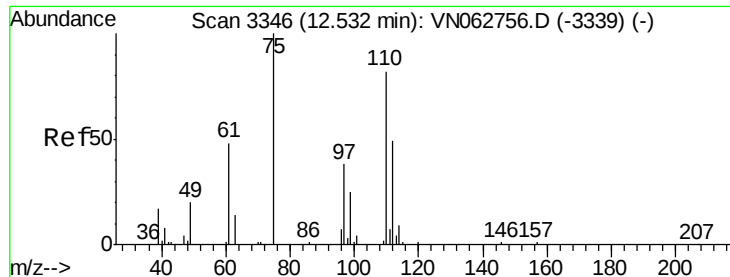


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.038 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062888.D

Acq: 13 Aug 2020 4:45

Instrument :

MSVOA_N

ClientSampleId :

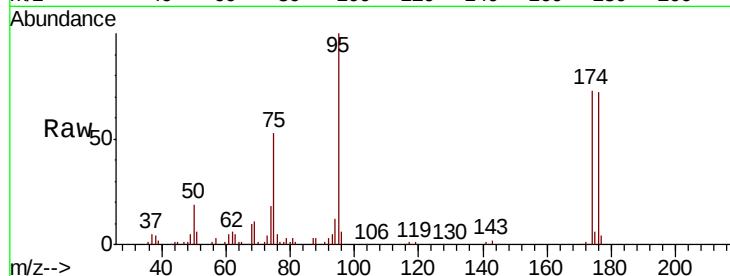
PB130908ZHE#18

Tot Ion: 75 Resp: 53877

Ion Ratio Lower Upper

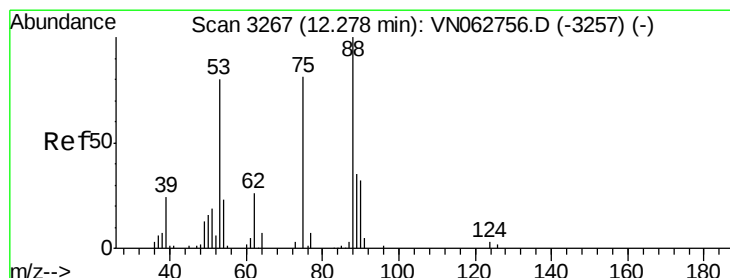
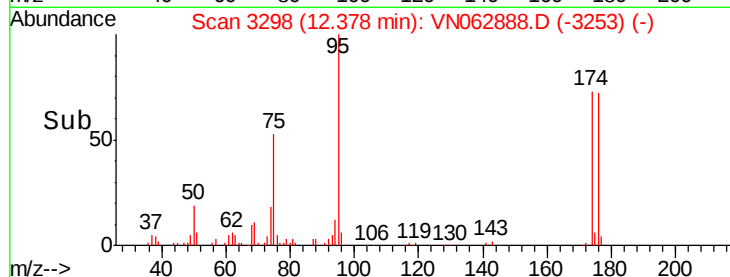
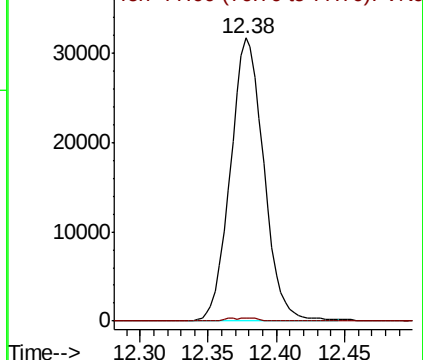
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 76.433 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062888.D

Acq: 13 Aug 2020 4:45

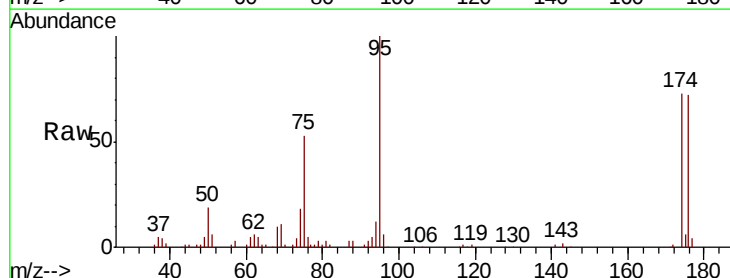
Tgt Ion: 75 Resp: 53877

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#



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

