

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062578.D
 Acq On : 21 Jul 2020 18:03
 Operator : JC/MD
 Sample : L3342-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Jul 22 05:05:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	180883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	318122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	304837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	106167	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	143224	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	7.55	113	104637	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	10.06	98	408909	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.38	95	141204	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	

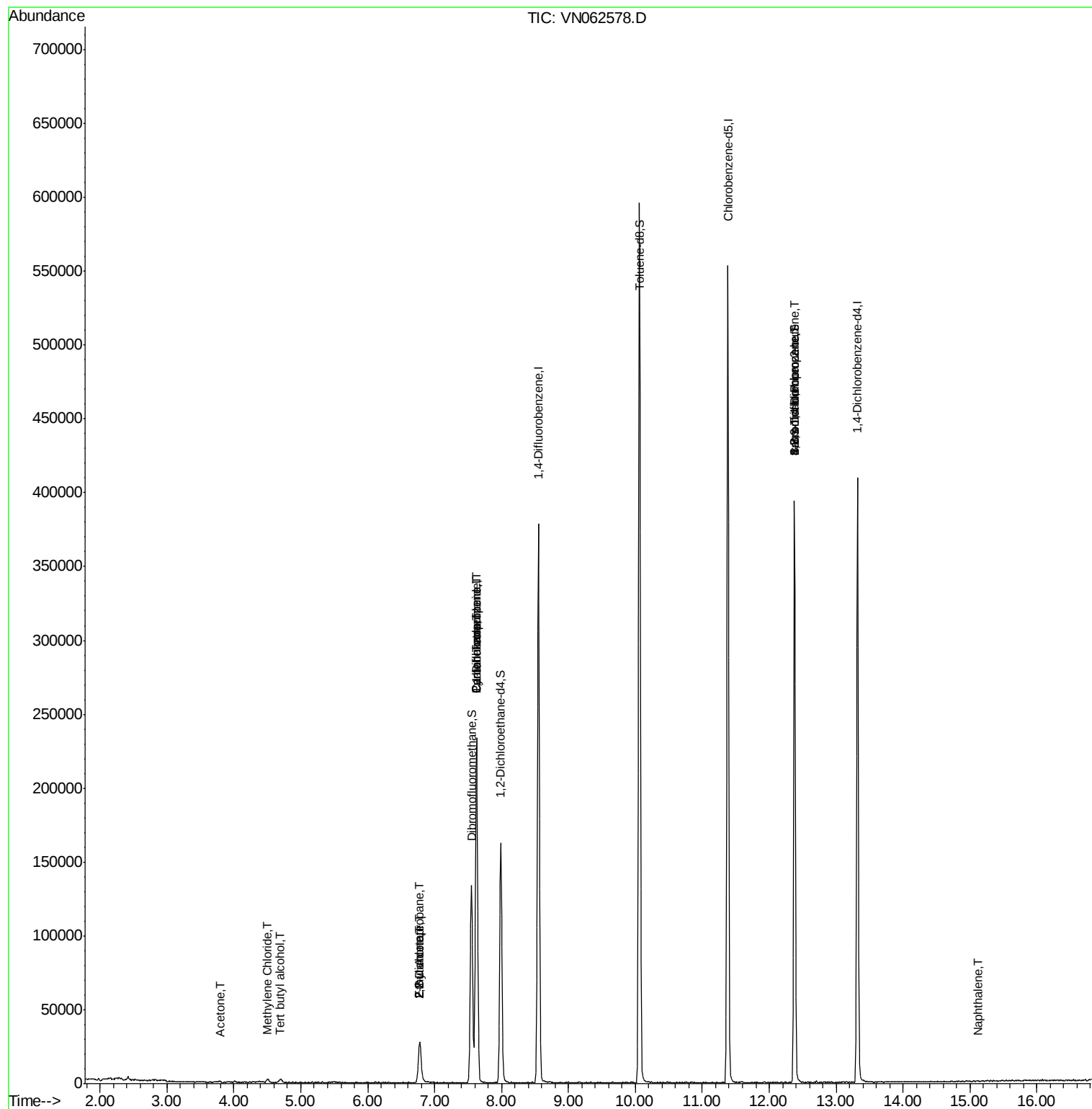
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	355	0.794	ug/l #	73
16) Acetone	3.78	43	640	0.605	ug/l #	44
20) Methylene Chloride	4.51	84	1390	0.548	ug/l	84
25) 2-Butanone	6.78	43	1568	0.974	ug/l #	52
26) 2,2-Dichloropropane	6.76	77	957	0.260	ug/l #	54
31) Cyclohexane	7.62	56	4030	0.973	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15059	4.441	ug/l #	52
37) Ethyl Acetate	6.78	43	1568	0.429	ug/l #	1
38) Carbon Tetrachloride	7.63	117	18506	5.678	ug/l #	18
71) Bromoform	12.37	173	925	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	75239	27.842	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	75239	77.506	ug/l #	12
95) Naphthalene	15.12	128	443	3.848	ug/l #	69

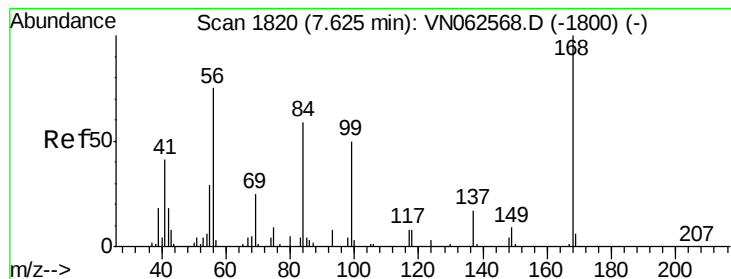
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062578.D

Acq: 21 Jul 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

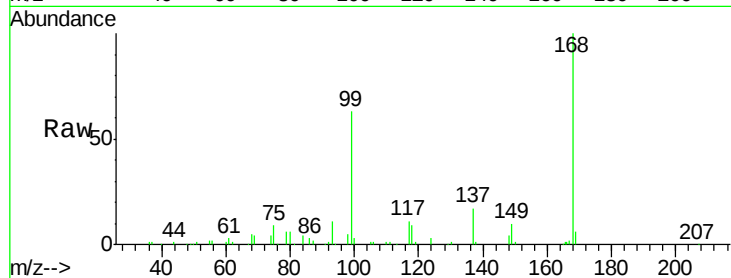
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 180883

Ion Ratio Lower Upper

168 100

99 63.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

60000

40000

20000

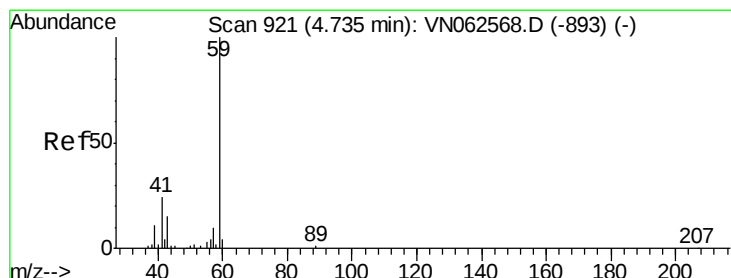
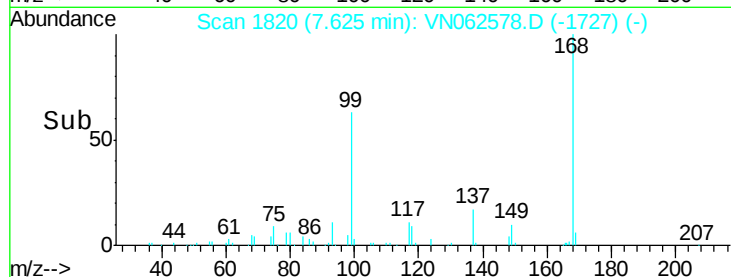
0

Time-->

7.50

7.60

7.70



#11

Tert butyl alcohol

Concen: 0.794 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.03 min

Lab File: VN062578.D

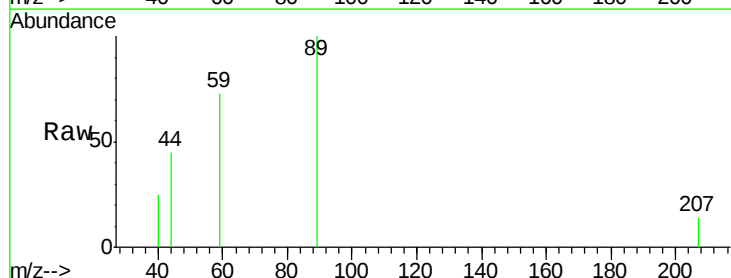
Acq: 21 Jul 2020 18:03

Tgt Ion: 59 Resp: 355

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

1000

800

600

400

200

0

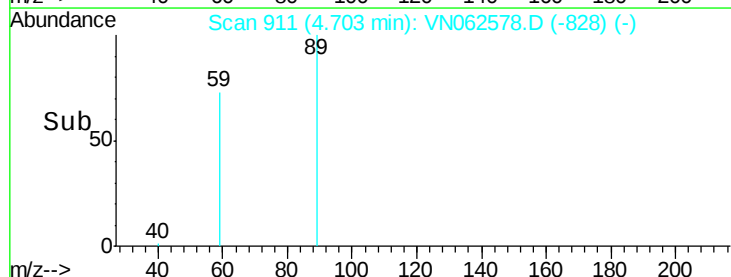
Time-->

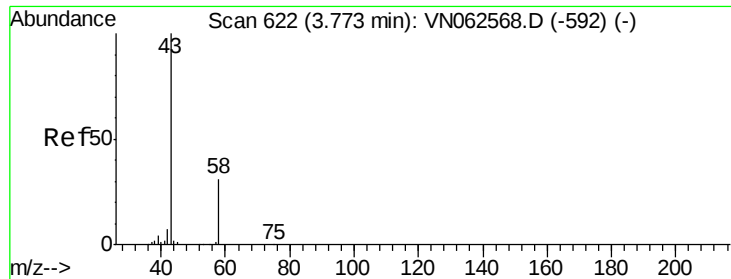
4.69

4.70

4.71

4.72

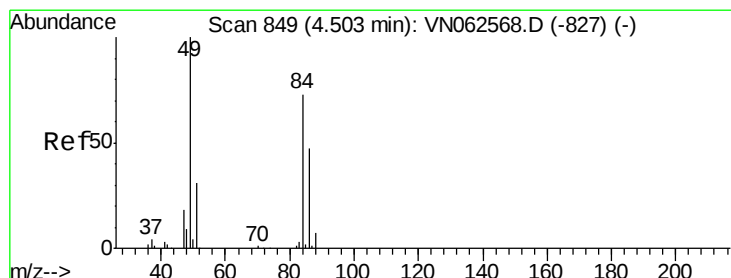
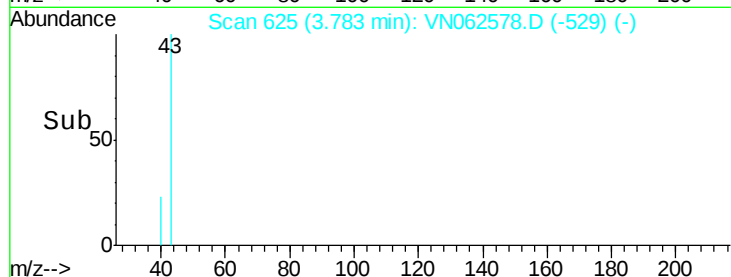
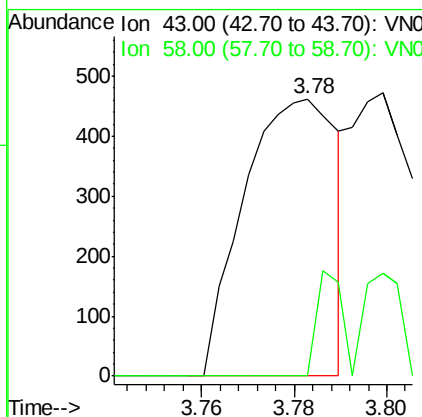
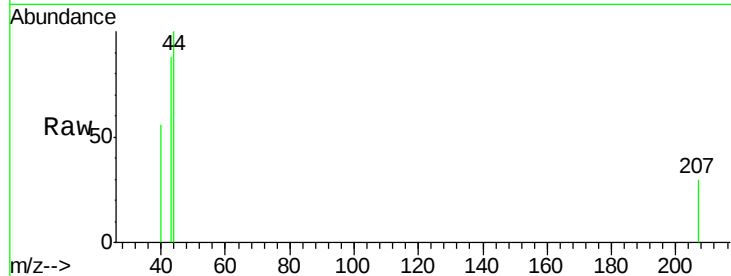




#16
Acetone
Concen: 0.605 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062578.D
Acq: 21 Jul 2020 18:03

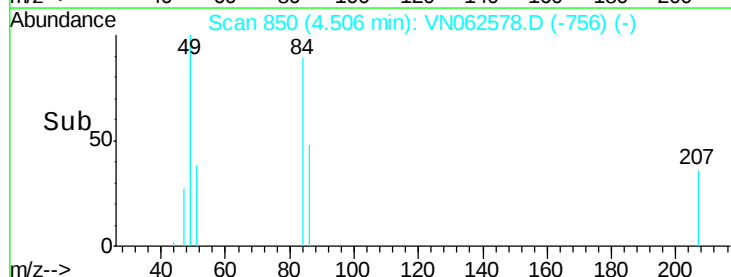
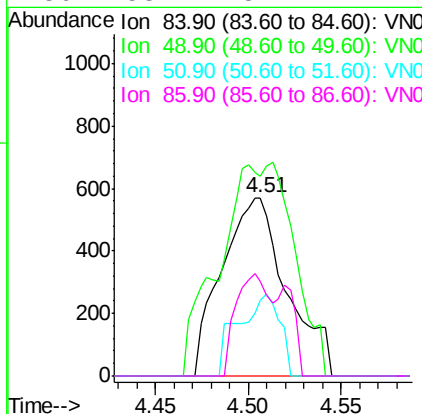
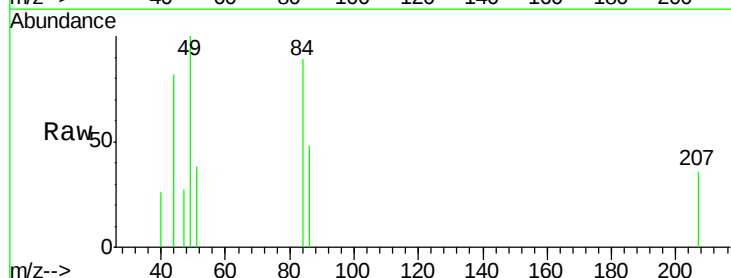
Instrument :
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STORAGE-BLANK-SAMPLE-MANA

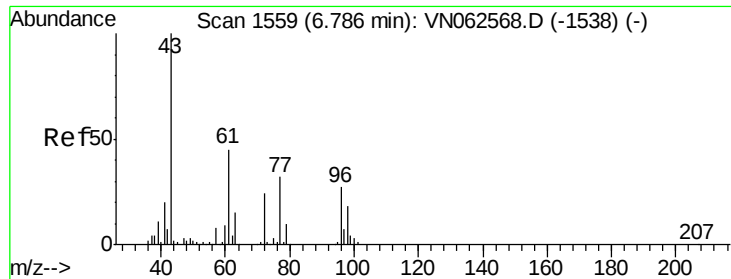
Tot Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
58 0.0 24.6 37.0#



#20
Methylene Chloride
Concen: 0.548 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN062578.D
Acq: 21 Jul 2020 18:03

Tgt Ion: 84 Resp: 1390
Ion Ratio Lower Upper
84 100
49 111.9 109.4 164.0
51 42.6 33.6 50.4
86 53.2 51.4 77.2

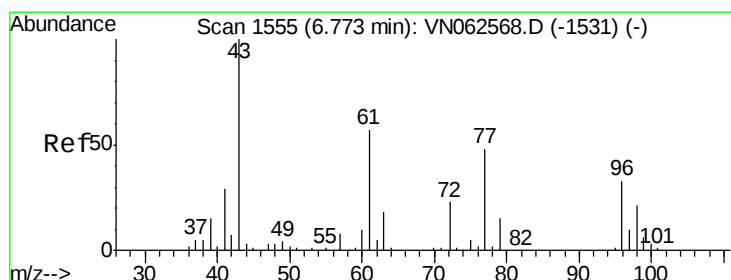
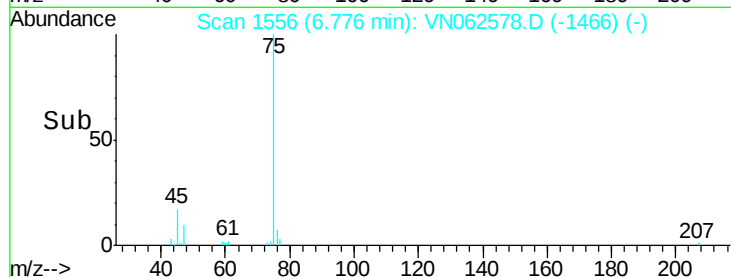
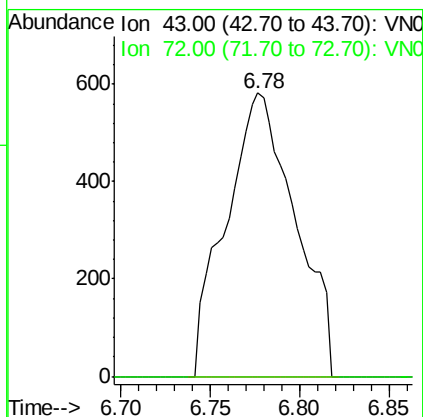
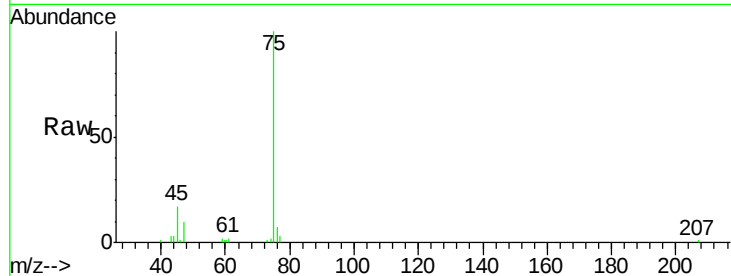




#25
 2-Butanone
 Concen: 0.974 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VN062578.D
 Acq: 21 Jul 2020 18:03

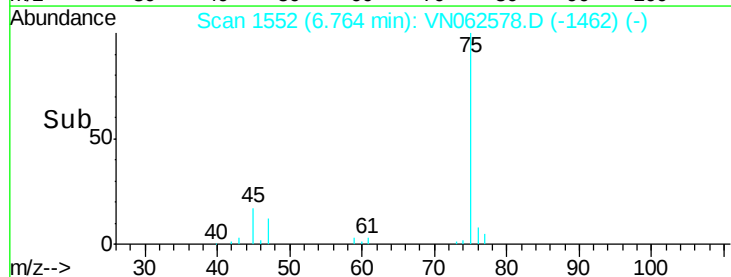
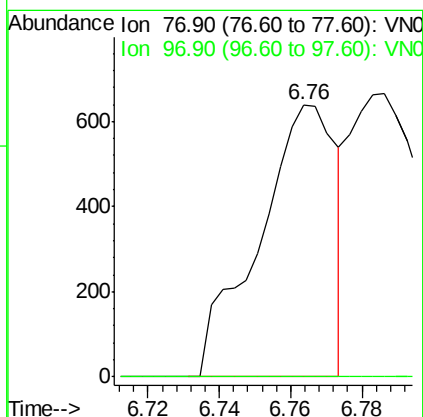
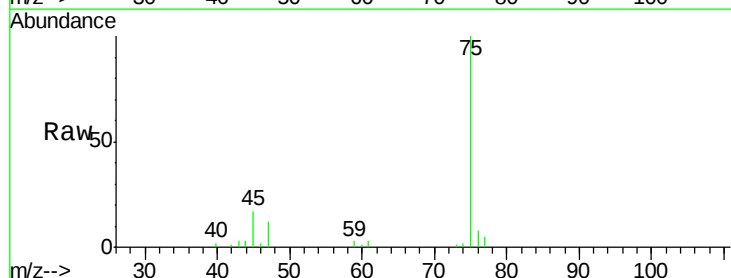
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

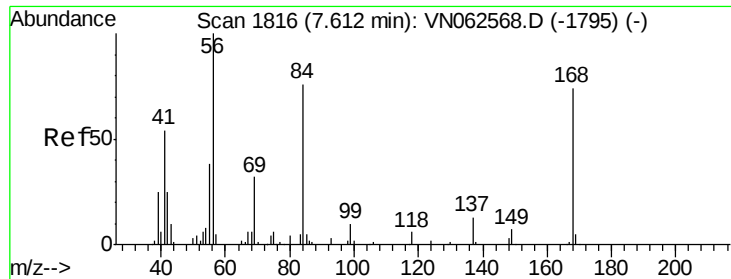
Tot Ion: 43 Resp: 1568
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.0 28.6#



#26
 2,2-Dichloropropane
 Concen: 0.260 ug/l
 RT: 6.76 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: VN062578.D
 Acq: 21 Jul 2020 18:03

Tgt Ion: 77 Resp: 957
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.8 32.4#

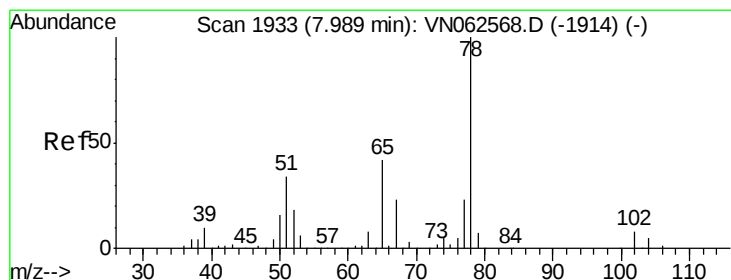
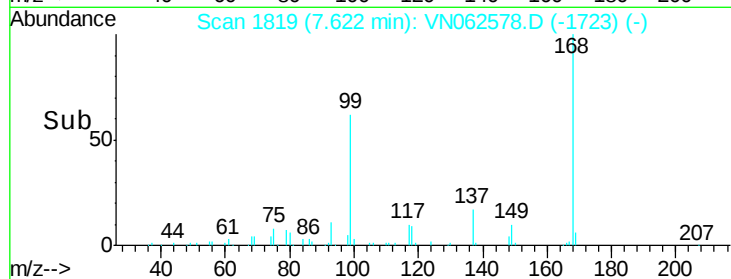
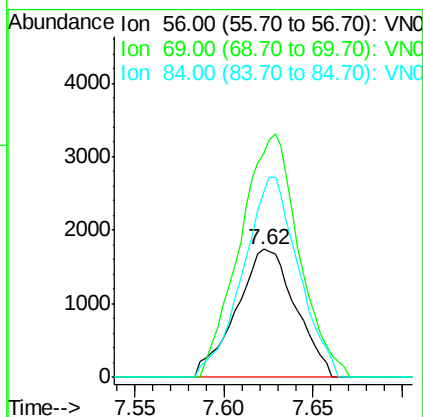
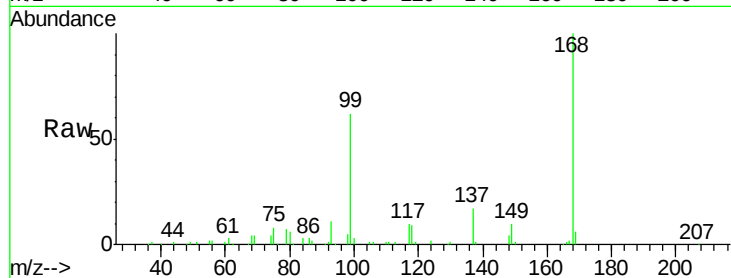




#31
Cyclohexane
Concen: 0.973 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062578.D
Acq: 21 Jul 2020 18:03

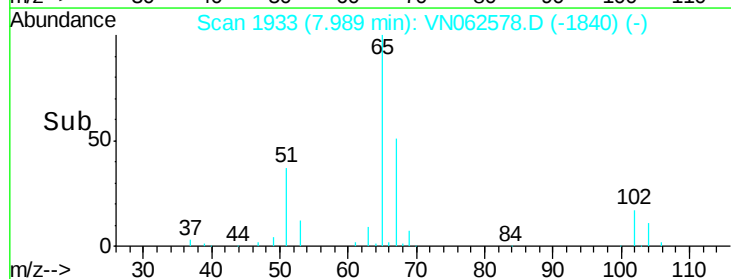
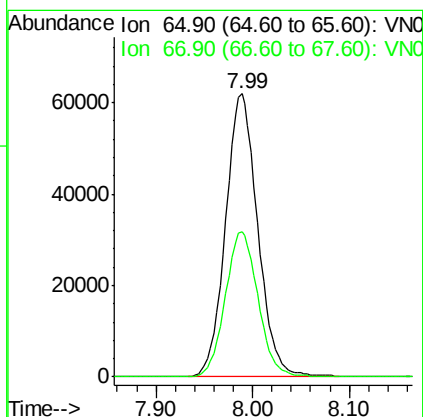
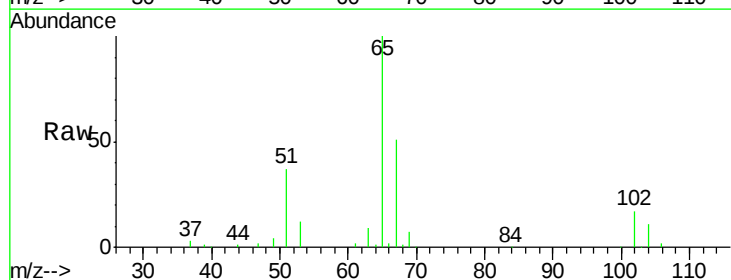
Instrument :
MSVOA_N
ClientSampleId :
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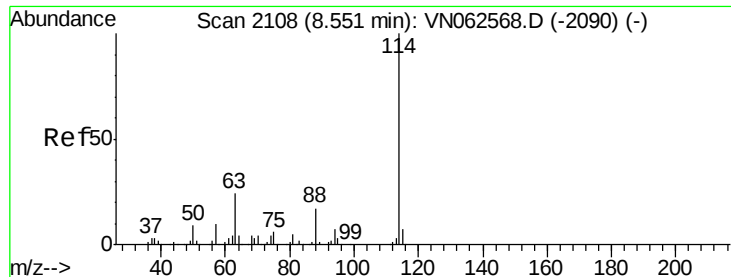
Tot Ion: 56 Resp: 4030
Ion Ratio Lower Upper
56 100
69 175.5 25.3 37.9#
84 145.6 61.0 91.4#



#33
1,2-Dichloroethane-d4
Concen: 50.971 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062578.D
Acq: 21 Jul 2020 18:03

Tgt Ion: 65 Resp: 143224
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.0

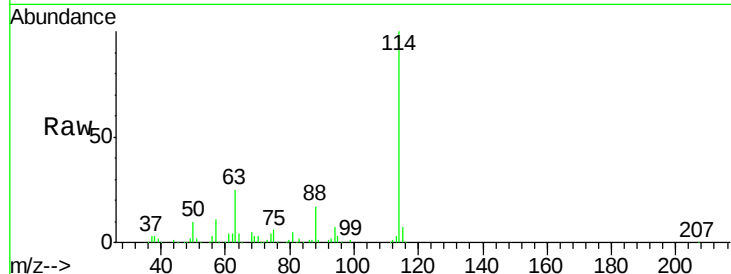




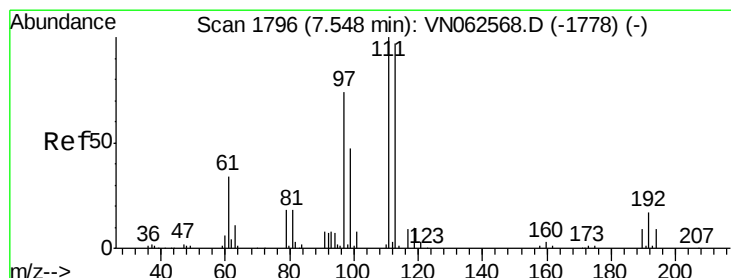
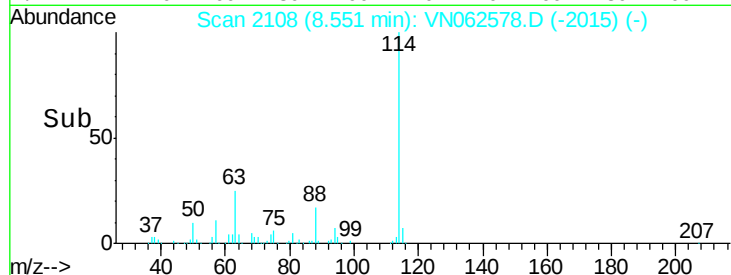
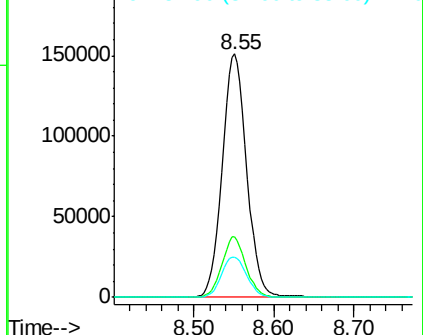
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062578.D
 Acq: 21 Jul 2020 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	48.4
88	16.6	0.0	33.8

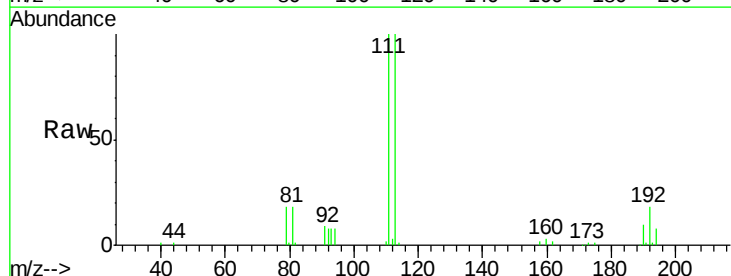


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

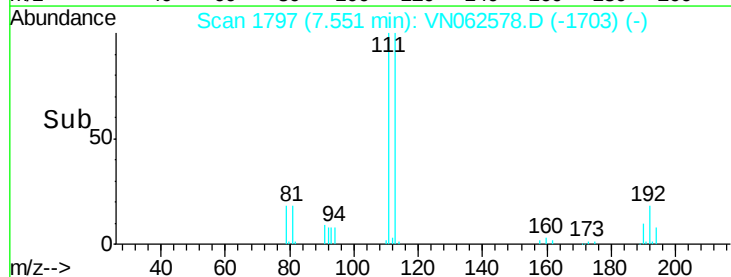
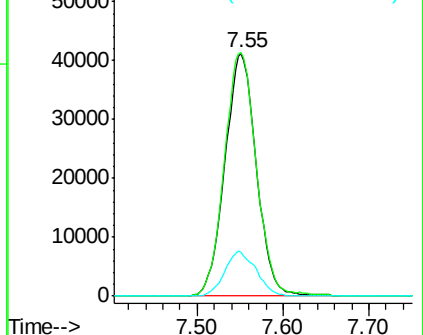


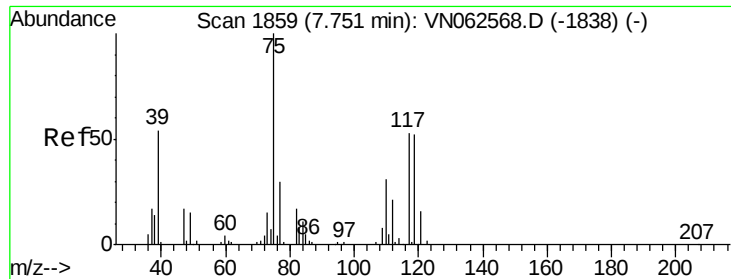
#35
 Dibromofluoromethane
 Concen: 50.075 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062578.D
 Acq: 21 Jul 2020 18:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.7	124.1
192	18.5	14.8	22.2



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

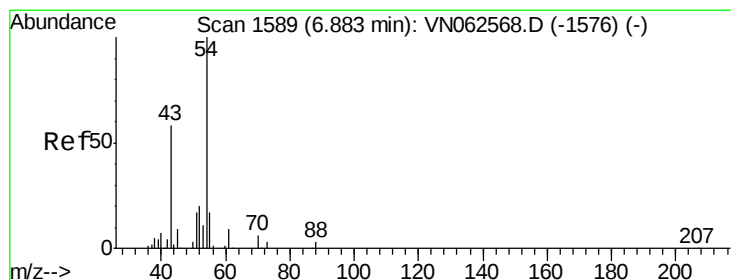
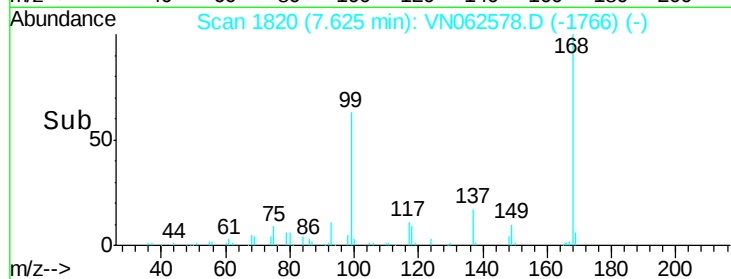
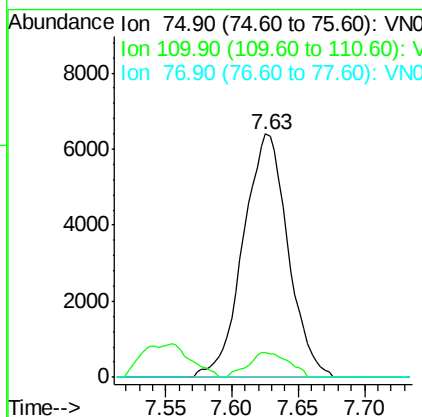
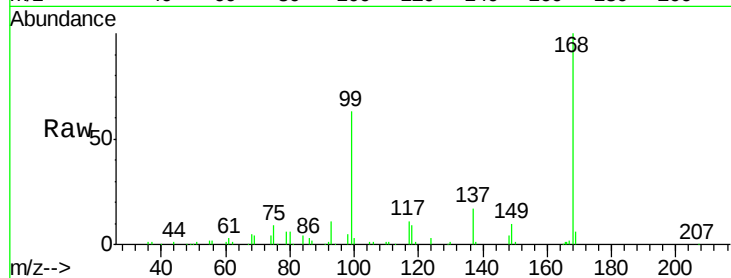




#36
 1,1-Dichloropropene
 Concen: 4.441 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062578.D
 Acq: 21 Jul 2020 18:03

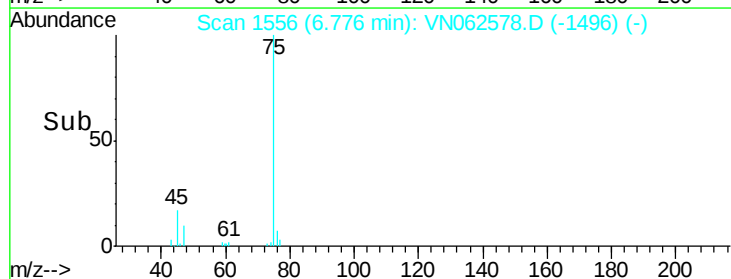
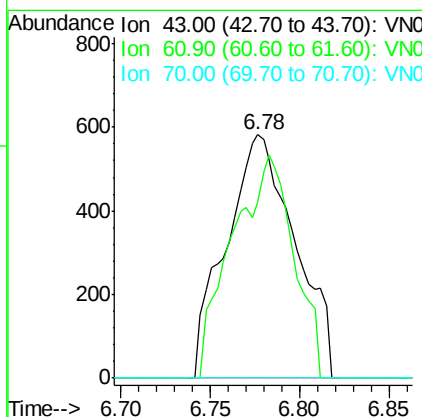
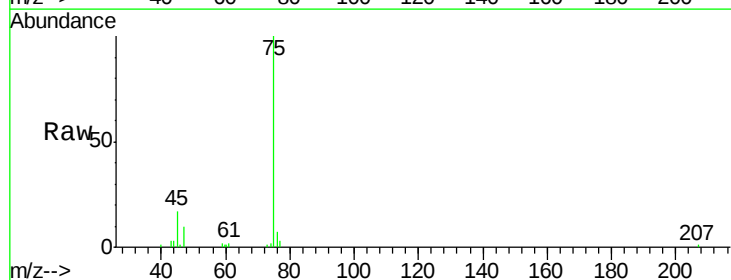
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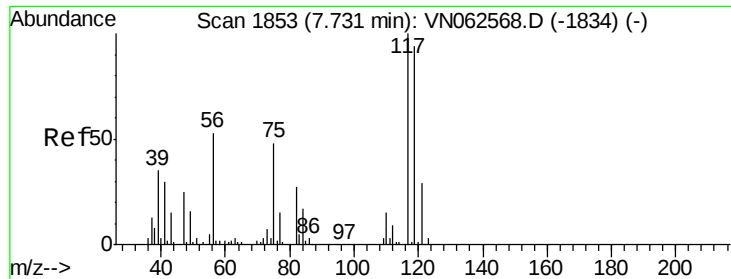
Tot Ion	75	Resp	15059
Ion Ratio	Lower	Upper	
75	100		
110	9.2	16.0	48.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.429 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.11 min
 Lab File: VN062578.D
 Acq: 21 Jul 2020 18:03

Tgt Ion	43	Resp	1568
Ion Ratio	Lower	Upper	
43	100		
61	81.8	11.3	16.9#
70	0.0	7.7	11.5#

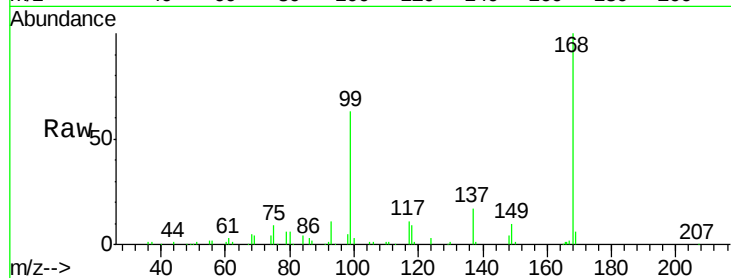




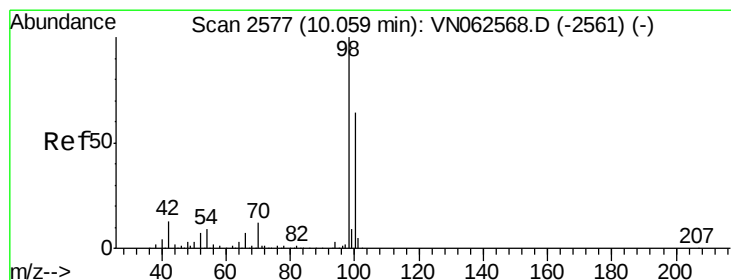
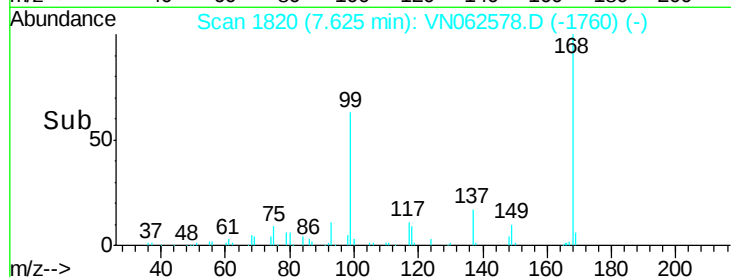
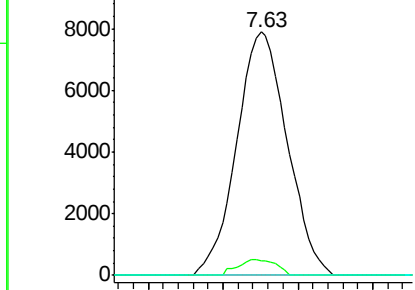
#38
Carbon Tetrachloride
Concen: 5.678 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062578.D
Acq: 21 Jul 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 18506
Ion Ratio Lower Upper
117 100
119 6.2 74.8 112.2#
121 0.0 23.0 34.6#

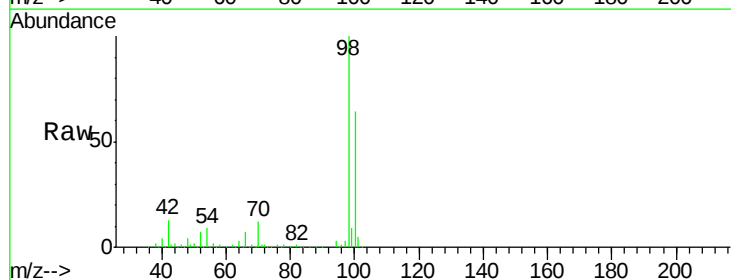


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

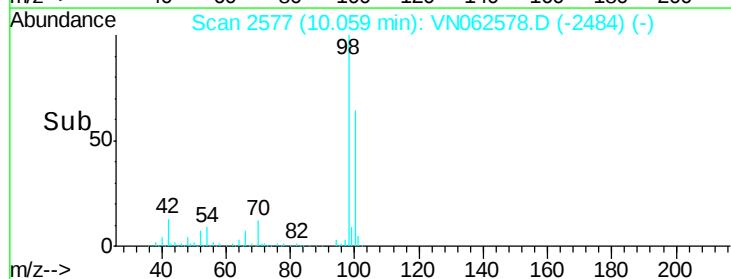
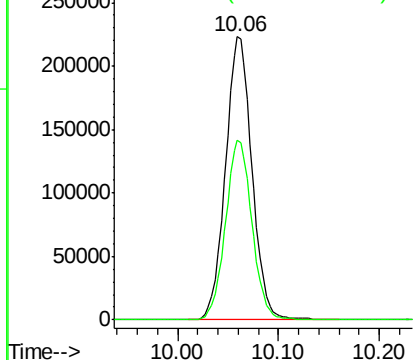


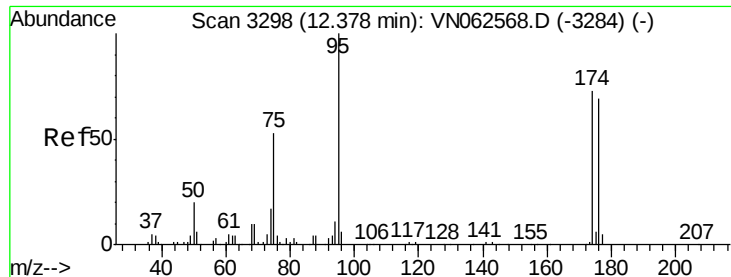
#50
Toluene-d8
Concen: 49.045 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062578.D
Acq: 21 Jul 2020 18:03

Tgt Ion: 98 Resp: 408909
Ion Ratio Lower Upper
98 100
100 63.5 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: 46.319 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062578.D

Acq: 21 Jul 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

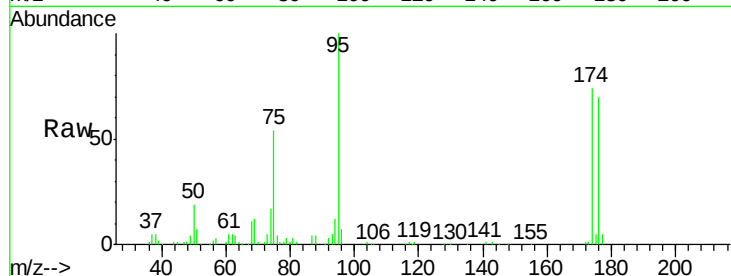
Tot Ion: 95 Resp: 141204

Ion Ratio Lower Upper

95 100

174 74.2 0.0 144.6

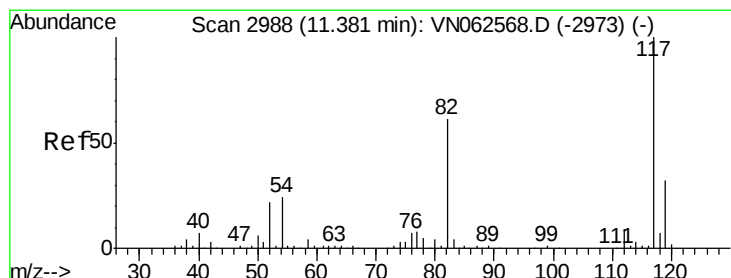
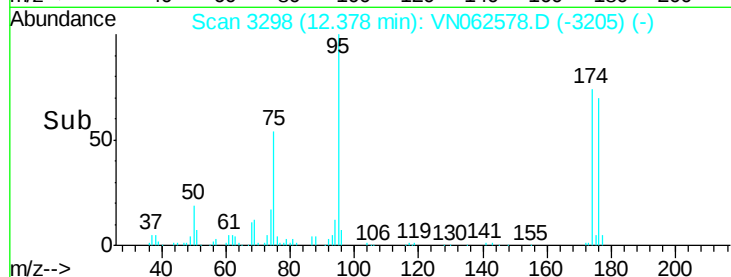
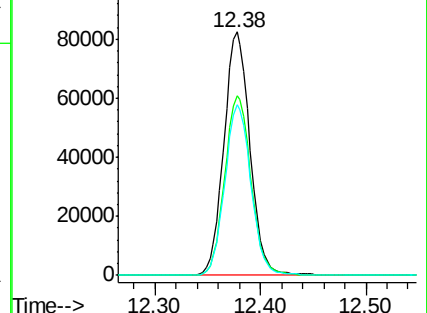
176 70.2 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062578.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062578.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062578.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062578.D

Acq: 21 Jul 2020 18:03

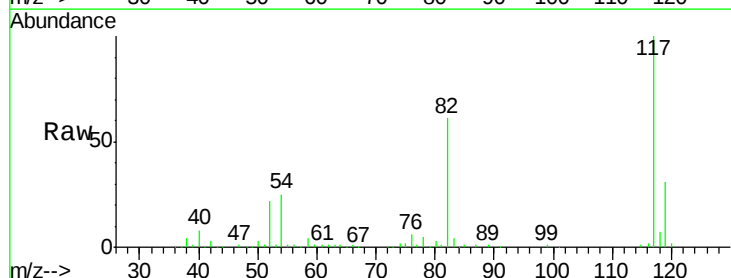
Tgt Ion: 117 Resp: 304837

Ion Ratio Lower Upper

117 100

82 61.2 49.0 73.6

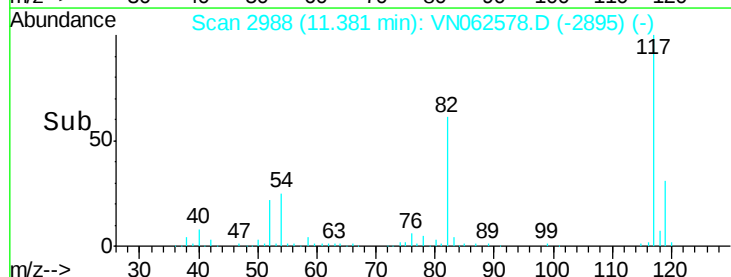
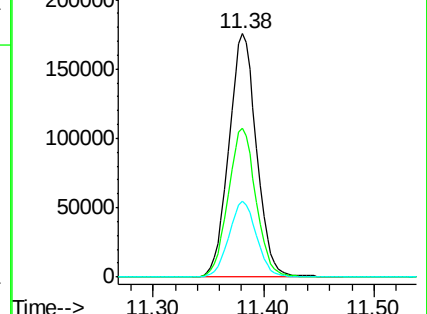
119 31.0 25.4 38.2

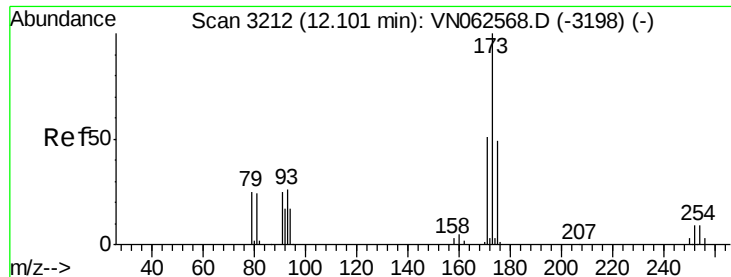


Abundance Ion 116.90 (116.60 to 117.60): VN062578.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062578.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062578.D (-2895) (-)

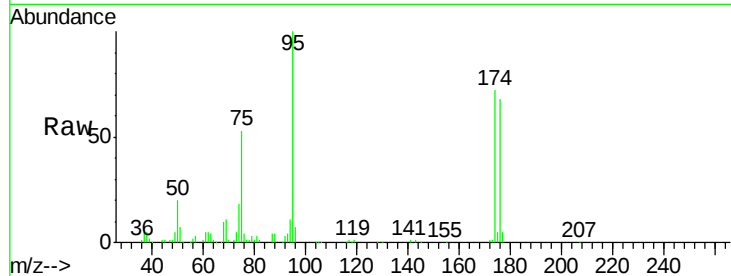




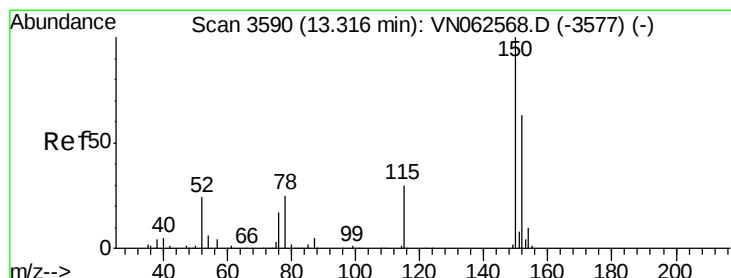
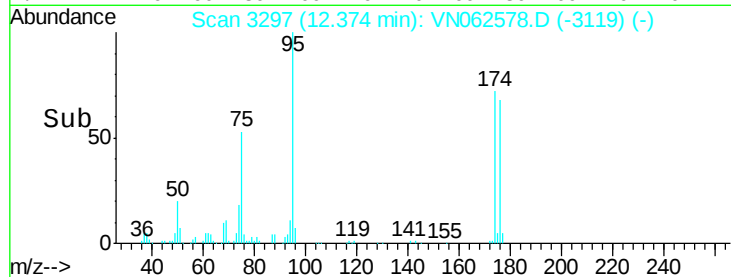
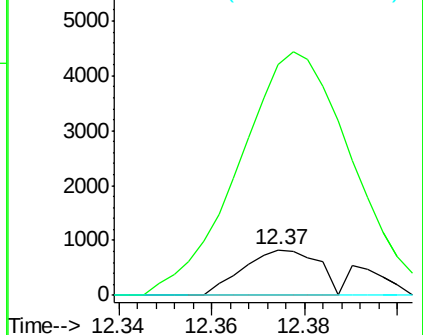
#71
Bromoform
Concen: 0.512 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062578.D
Acq: 21 Jul 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:173 Resp: 925
Ion Ratio Lower Upper
173 100
175 671.0 24.1 72.2#
254 0.0 0.0 0.0

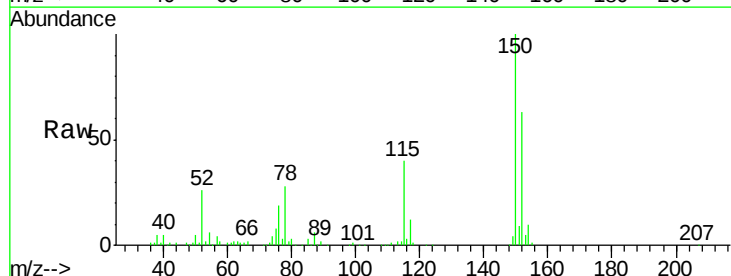


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

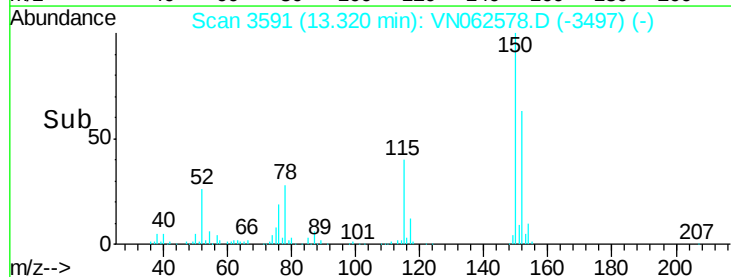
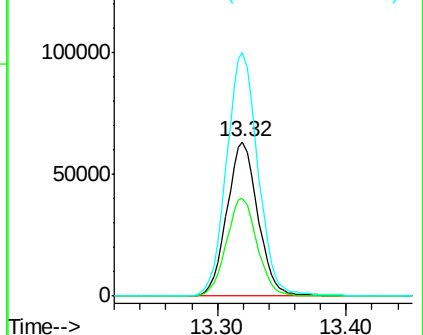


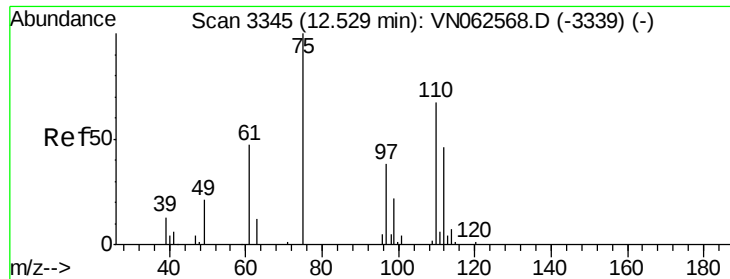
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062578.D
Acq: 21 Jul 2020 18:03

Tgt Ion:152 Resp: 106167
Ion Ratio Lower Upper
152 100
115 62.6 31.8 95.4
150 160.1 0.0 351.4



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: 27.842 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062578.D

Acq: 21 Jul 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

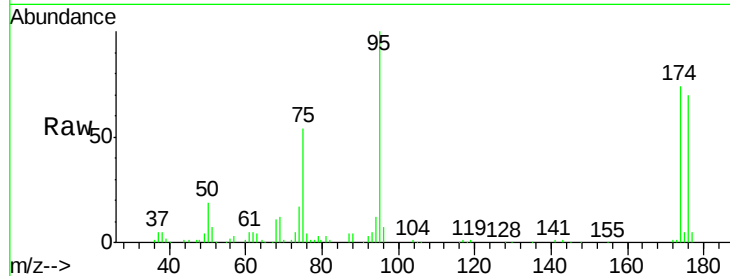
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 75239

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062578.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062578.D (-3252) (-)

12.38

50000

40000

30000

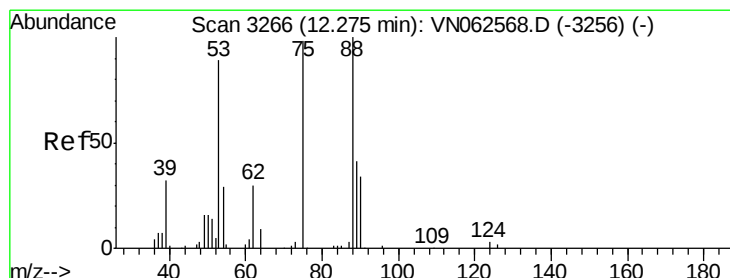
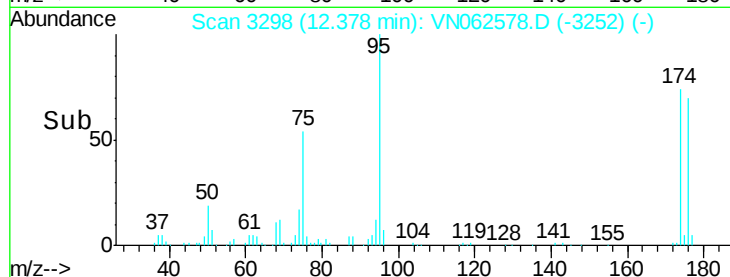
20000

10000

0

Time-->

12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 77.506 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062578.D

Acq: 21 Jul 2020 18:03

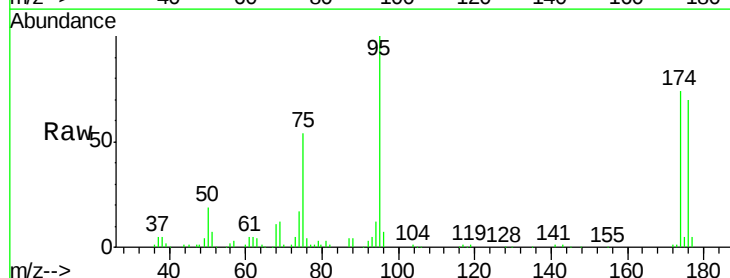
Tgt Ion: 75 Resp: 75239

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VN062578.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062578.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062578.D (-3173) (-)

12.38

60000

50000

40000

30000

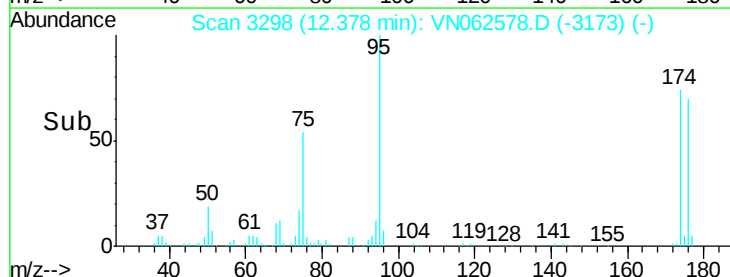
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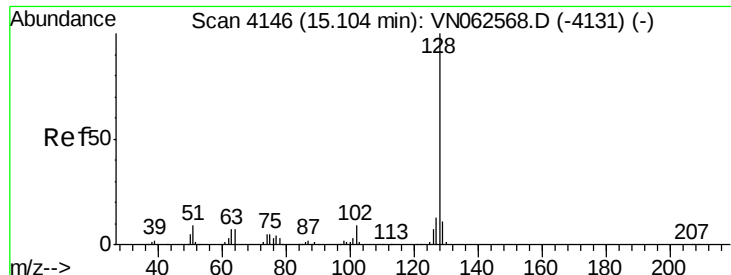
10000

0

Time-->

12.30 12.40 12.50

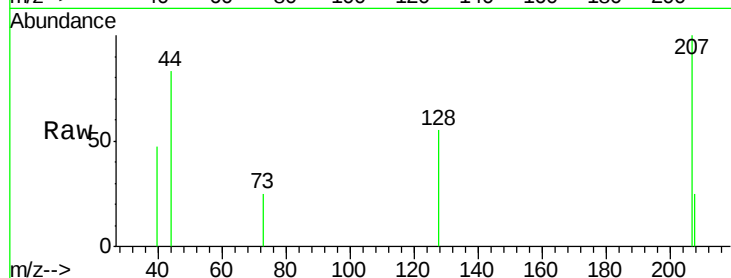




#95
Naphthalene
Concen: 3.848 ug/l
RT: 15.12 min Scan# 4150
Delta R.T. 0.01 min
Lab File: VN062578.D
Acq: 21 Jul 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:128 Resp: 443
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

