

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062906.D
 Acq On : 13 Aug 2020 13:13
 Operator : JC/MD
 Sample : L3679-14
 Misc : 5.00µ/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-081220

Quant Time: Aug 14 05:06:01 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	7.62	168	130411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	226748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	225288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	93684	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	106725	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	7.54	113	78853	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
50) Toluene-d8	10.06	98	295467	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.38	95	108469	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	

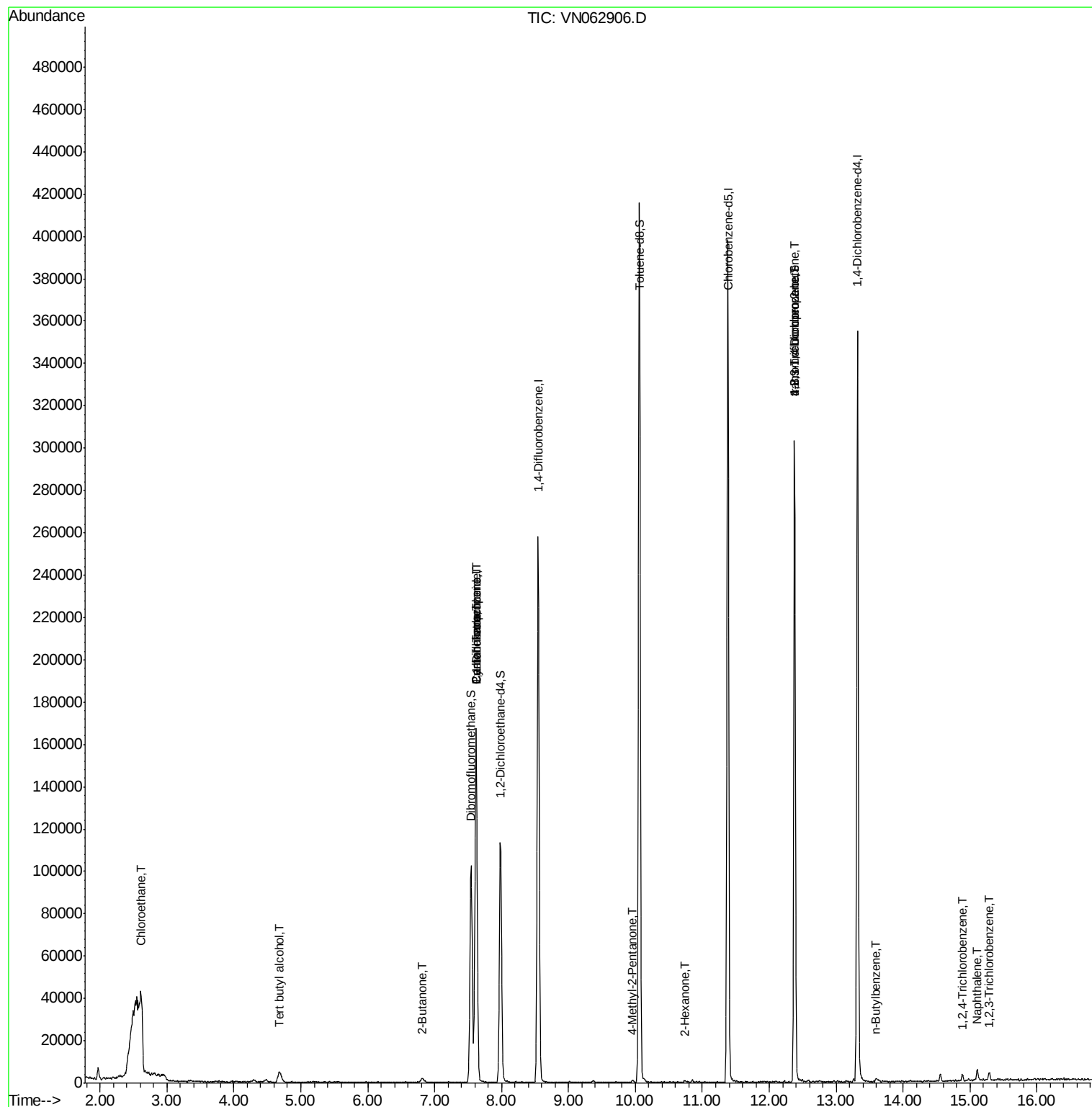
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.62	64	361	0.332	ug/l #	40
11) Tert butyl alcohol	4.67	59	2361	6.680	ug/l #	72
17) Carbon Disulfide	3.98	76	206	Below Cal	#	74
18) Methyl Acetate	4.28	43	1248	Below Cal	#	89
20) Methylene Chloride	4.49	84	778	Below Cal	#	78
25) 2-Butanone	6.81	43	2978	2.698	ug/l	97
31) Cyclohexane	7.62	56	2865	1.096	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	10910	4.941	ug/l #	47
38) Carbon Tetrachloride	7.62	117	13382	5.125	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	1242	0.499	ug/l #	77
59) 2-Hexanone	10.73	43	455	0.245	ug/l	82
76) 1,2,3-Trichloropropane	12.38	75	56630	22.414	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56630	68.423	ug/l #	10
89) n-Butylbenzene	13.60	91	1729	0.339	ug/l #	76
93) 1,2,4-Trichlorobenzene	14.89	180	1222	4.046	ug/l	97
94) Hexachlorobutadiene	14.98	225	162	Below Cal	#	54
95) Naphthalene	15.11	128	5889	4.974	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.29	180	1789	3.829	ug/l	91

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081320\
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TB-01-081220

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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: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062906.D

Acq: 13 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

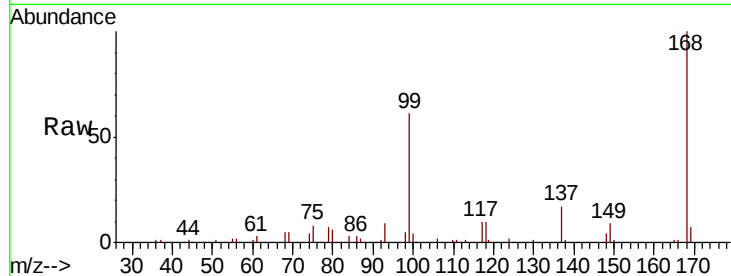
TB-01-081220

Tot Ion:168 Resp: 130411

Ion Ratio Lower Upper

168 100

99 61.5 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

60000

50000

40000

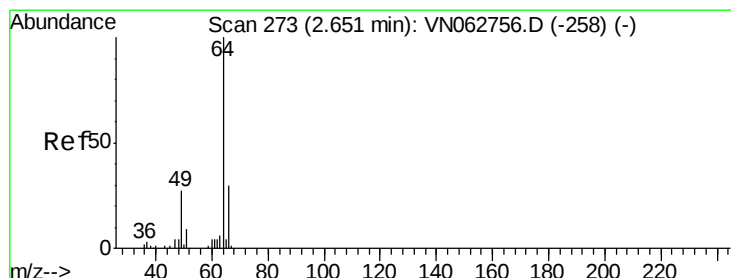
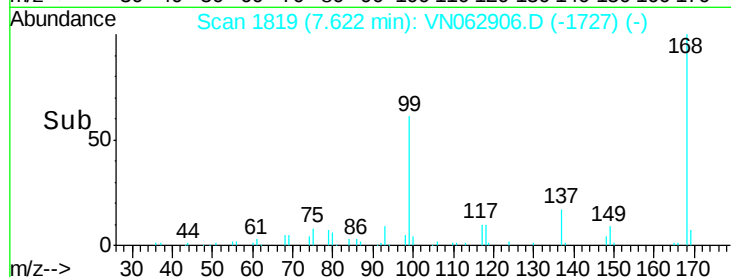
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 0.332 ug/l

RT: 2.62 min Scan# 263

Delta R.T. -0.03 min

Lab File: VN062906.D

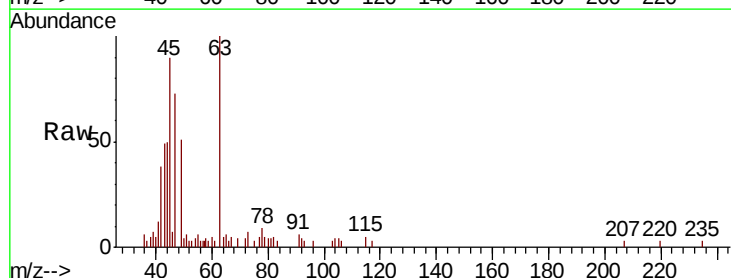
Acq: 13 Aug 2020 13:13

Tgt Ion: 64 Resp: 361

Ion Ratio Lower Upper

64 100

66 62.3 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VN

Ion 65.90 (65.60 to 66.60): VN

2.62

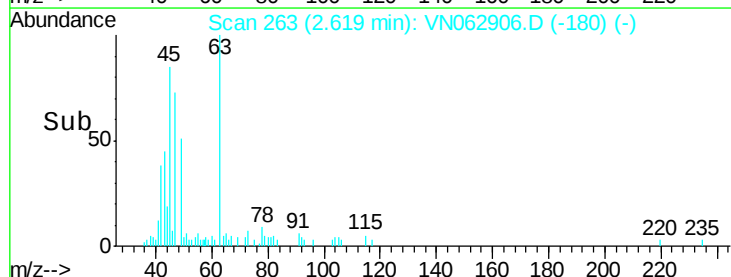
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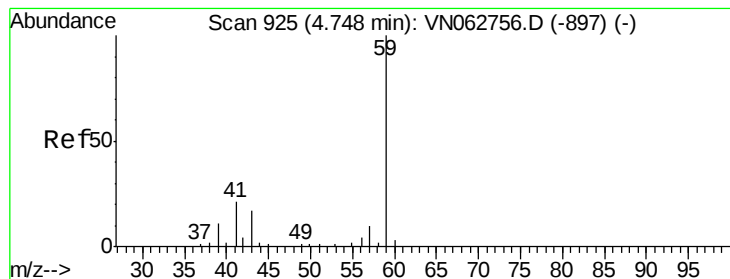
200

100

0

Time-->



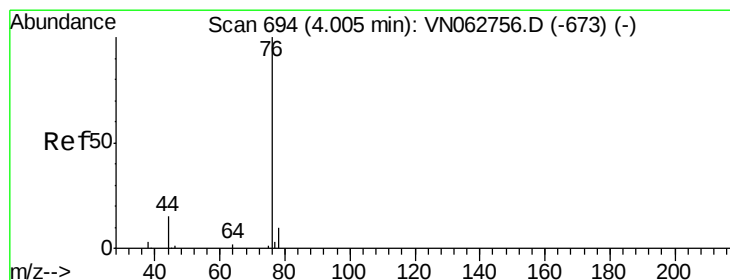
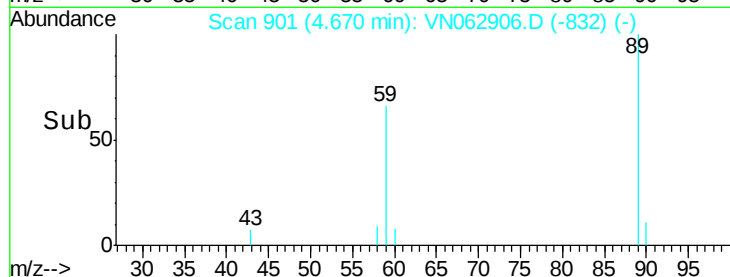
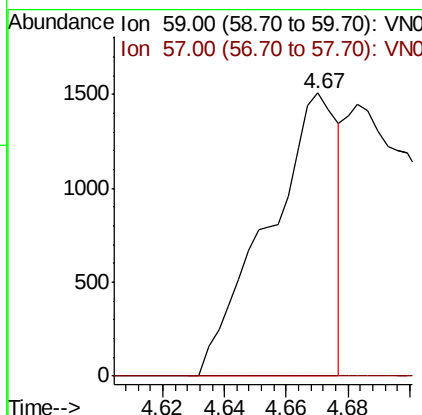
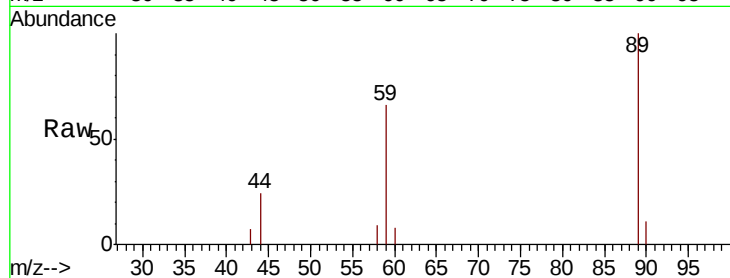


#11

Tert butyl alcohol
 Concen: 6.680 ug/l
 RT: 4.67 min Scan# 901
 Delta R.T. -0.08 min
 Lab File: VN062906.D
 Acq: 13 Aug 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-081220

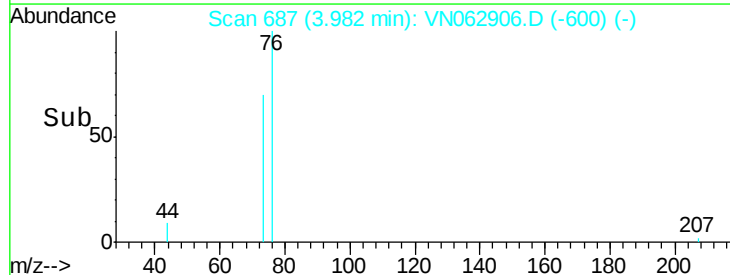
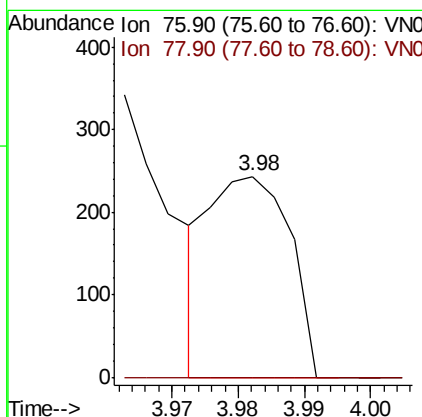
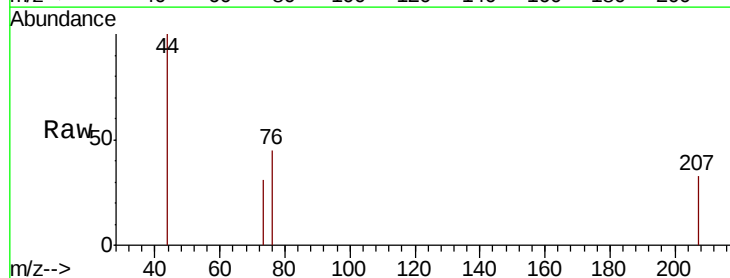
Tot Ion: 59 Resp: 2361
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

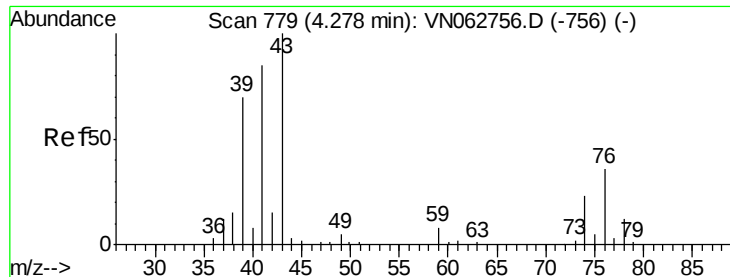


#17

Carbon Disulfide
 Concen: Below Cal
 RT: 3.98 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: VN062906.D
 Acq: 13 Aug 2020 13:13

Tgt Ion: 76 Resp: 206
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.7 11.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062906.D

Acq: 13 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

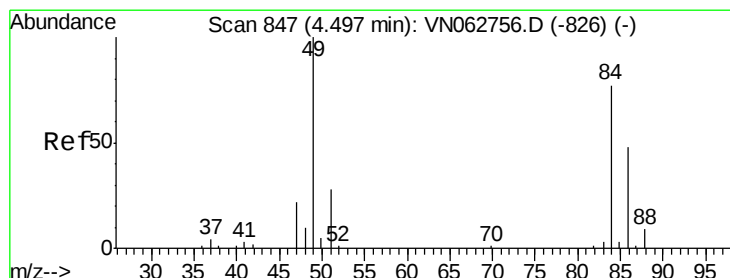
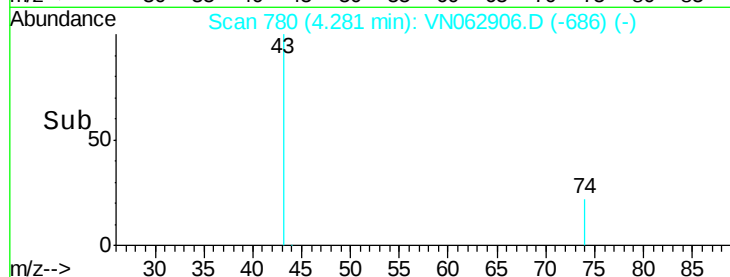
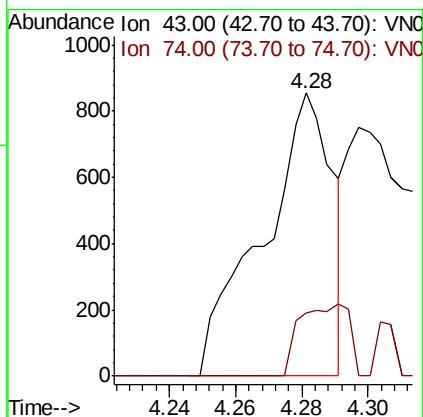
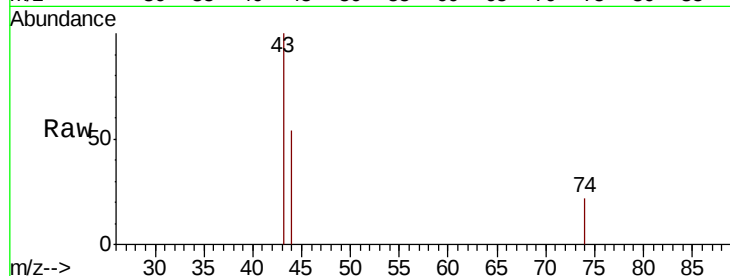
TB-01-081220

Tot Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

74 18.0 18.6 28.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.49 min Scan# 844

Delta R.T. -0.01 min

Lab File: VN062906.D

Acq: 13 Aug 2020 13:13

Tgt Ion: 84 Resp: 778

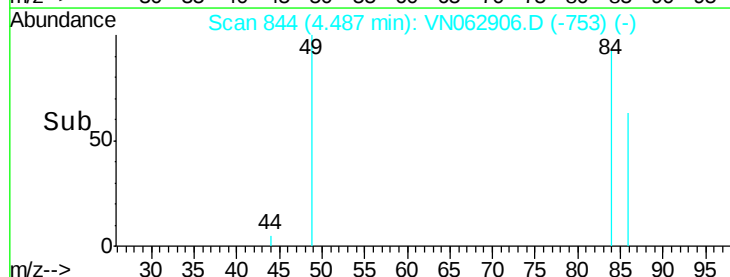
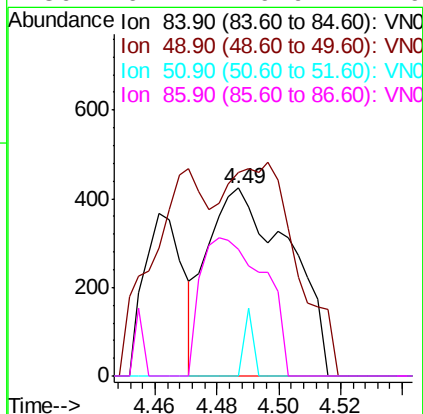
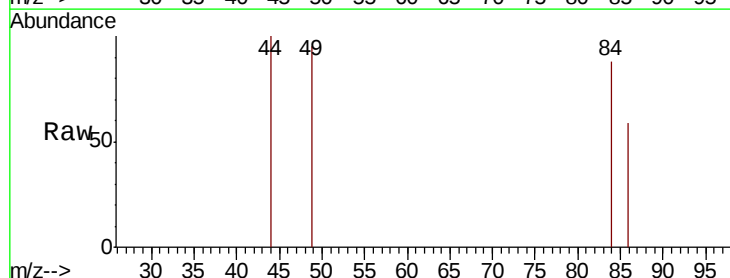
Ion Ratio Lower Upper

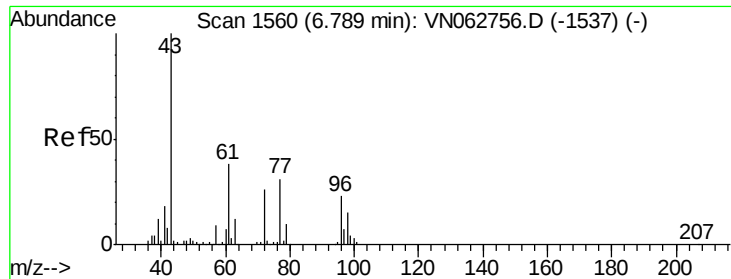
84 100

49 108.0 103.4 155.2

51 0.0 29.3 43.9#

86 67.7 49.9 74.9

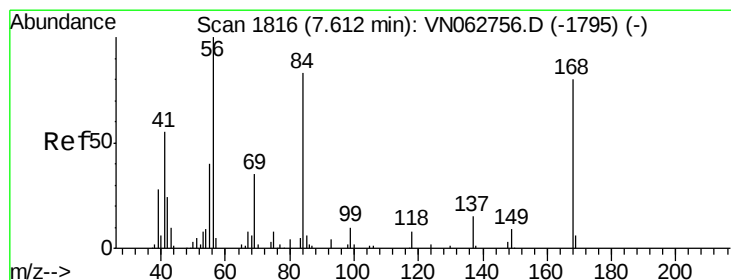
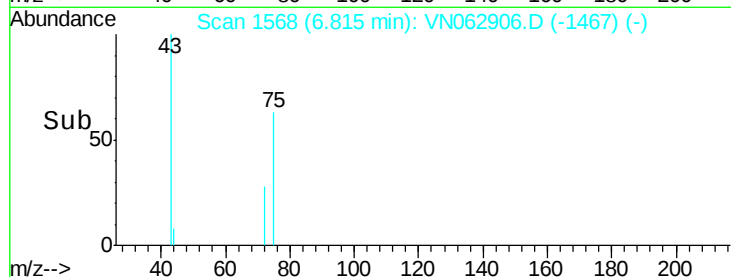
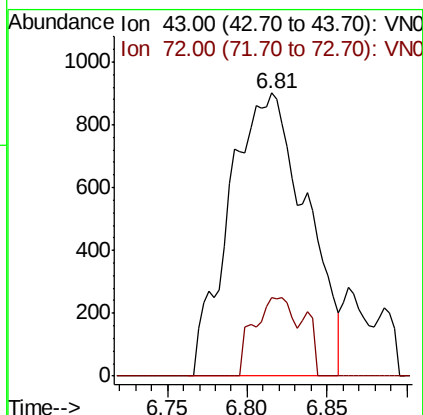
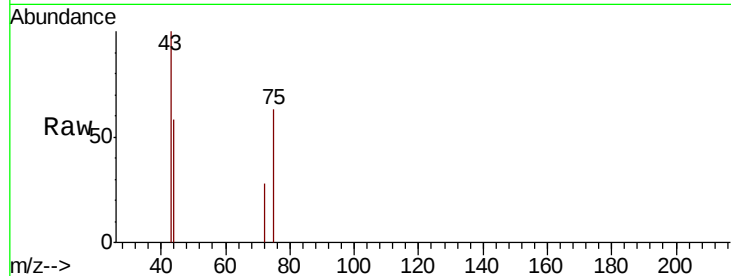




#25
2-Butanone
Concen: 2.698 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.03 min
Lab File: VN062906.D
Acq: 13 Aug 2020 13:13

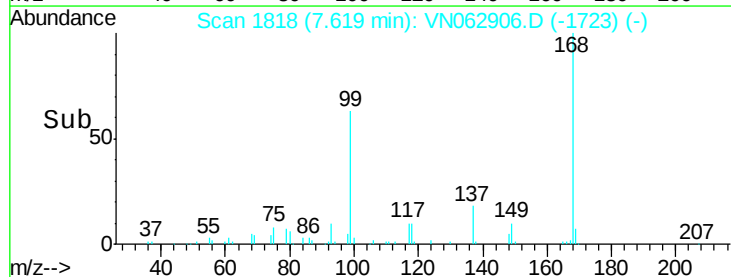
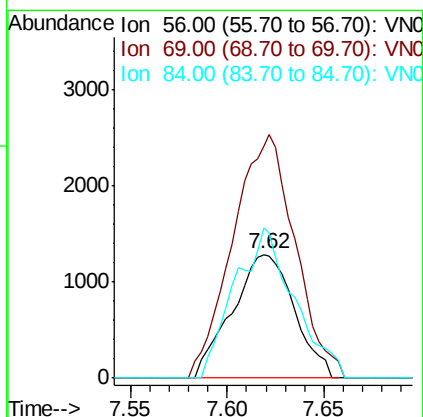
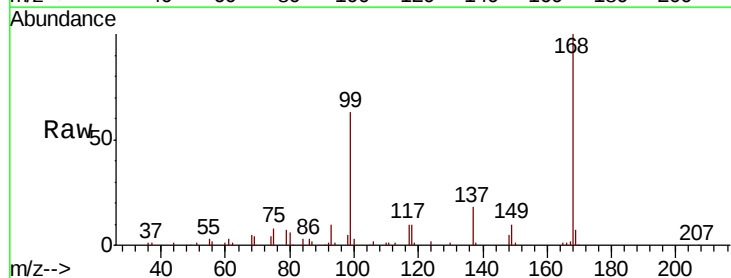
Instrument :
MSVOA_N
ClientSampleId :
TB-01-081220

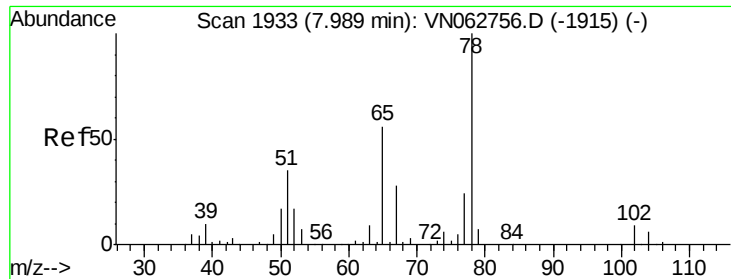
Tot Ion: 43 Resp: 2978
Ion Ratio Lower Upper
43 100
72 28.0 21.1 31.7



#31
Cyclohexane
Concen: 1.096 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. 0.01 min
Lab File: VN062906.D
Acq: 13 Aug 2020 13:13

Tgt Ion: 56 Resp: 2865
Ion Ratio Lower Upper
56 100
69 187.0 28.1 42.1#
84 121.1 66.8 100.2#

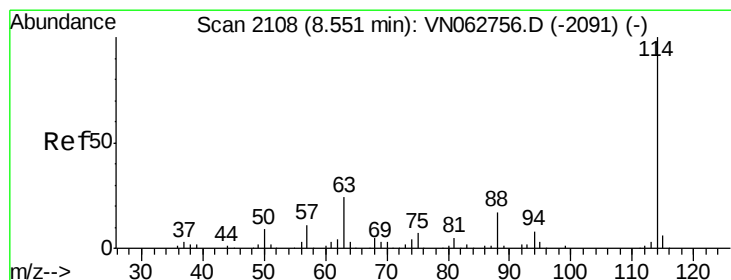
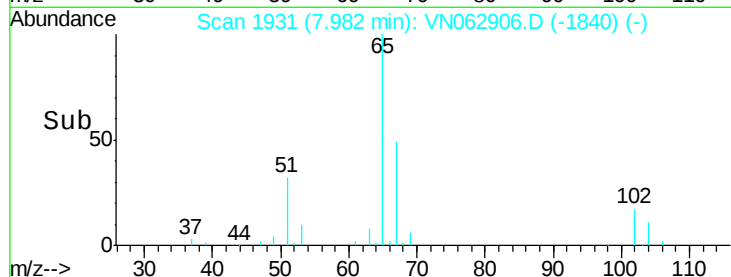
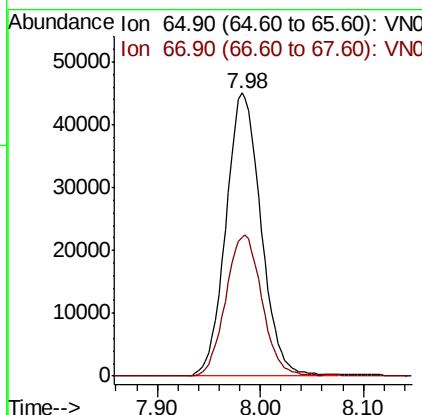
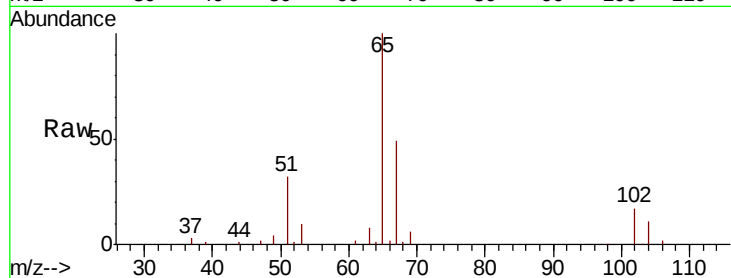




#33
 1,2-Dichloroethane-d4
 Concen: 49.488 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN062906.D
 Acq: 13 Aug 2020 13:13

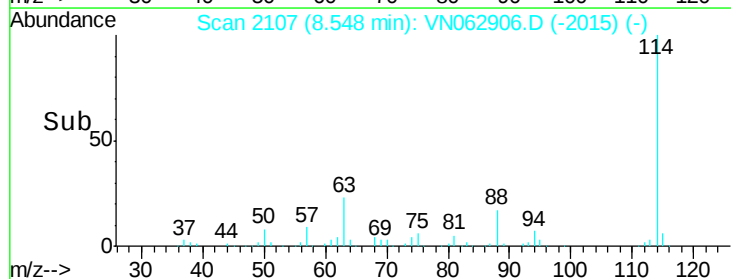
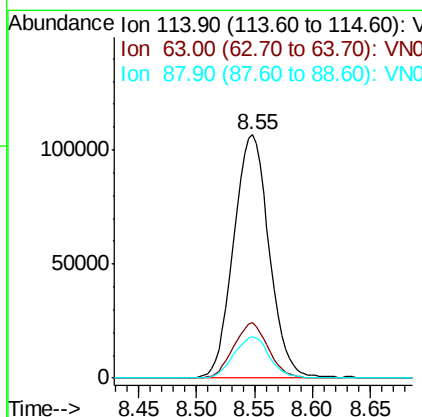
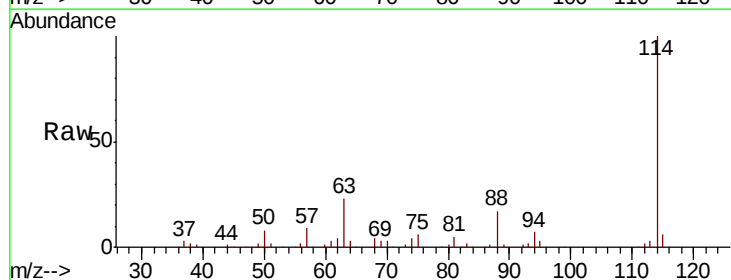
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 TB-01-081220

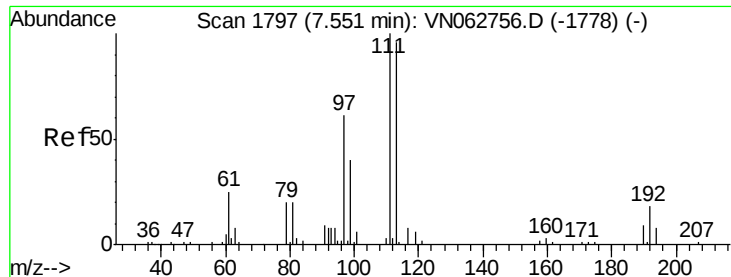
Tot Ion: 65 Resp: 106725
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062906.D
 Acq: 13 Aug 2020 13:13

Tgt Ion: 114 Resp: 226748
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.6
 88 17.0 0.0 34.4

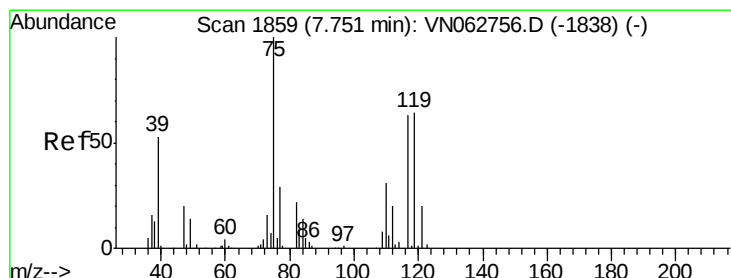
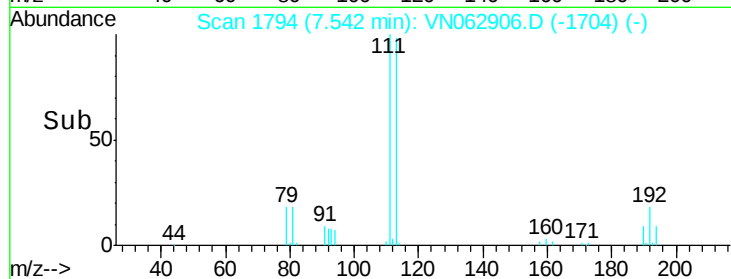
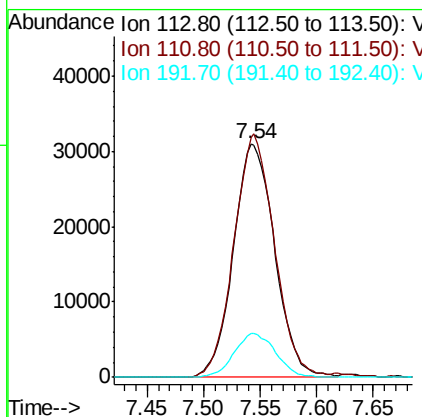
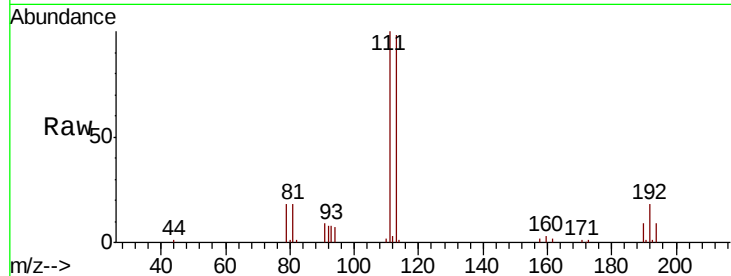




#35
 Dibromofluoromethane
 Concen: 50.837 ug/l
 RT: 7.54 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VN062906.D
 Acq: 13 Aug 2020 13:13

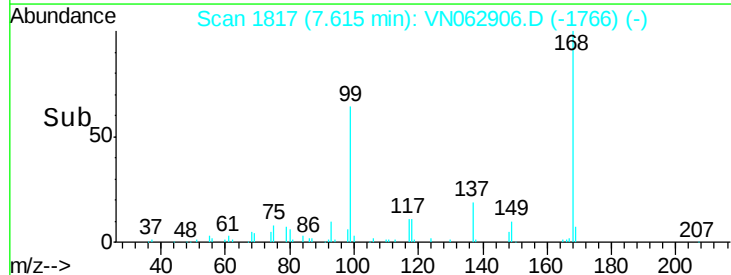
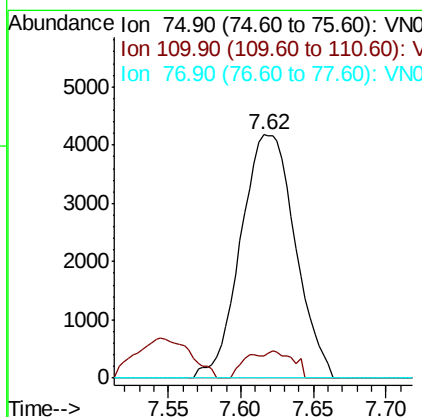
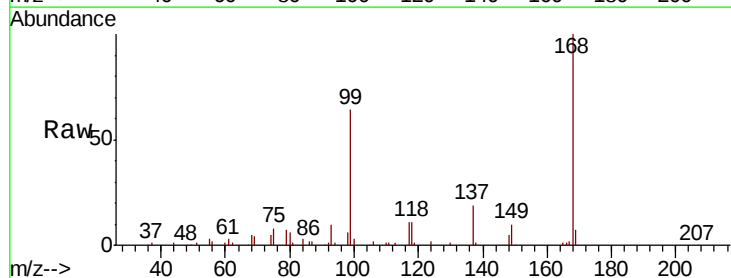
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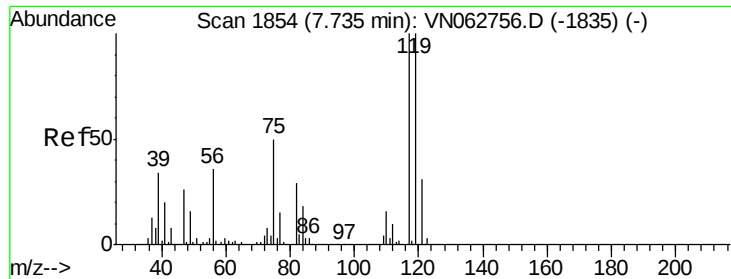
Tot Ion:113 Resp: 78853
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.6
 192 18.9 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.941 ug/l
 RT: 7.62 min Scan# 1817
 Delta R.T. -0.14 min
 Lab File: VN062906.D
 Acq: 13 Aug 2020 13:13

Tgt Ion: 75 Resp: 10910
 Ion Ratio Lower Upper
 75 100
 110 3.4 15.6 46.7#
 77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.125 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. -0.12 min

Lab File: VN062906.D

Acq: 13 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

TB-01-081220

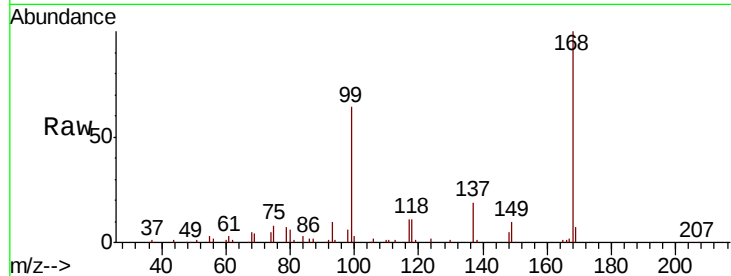
Tot Ion:117 Resp: 13382

Ion Ratio Lower Upper

117 100

119 7.1 79.4 119.2#

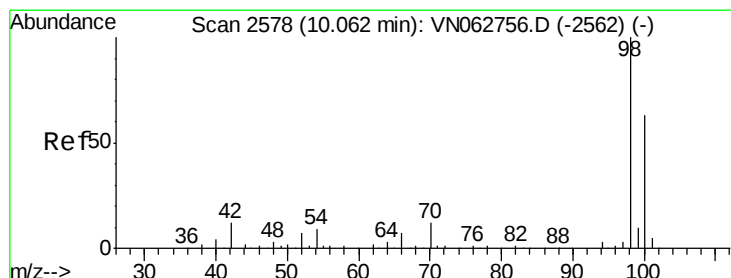
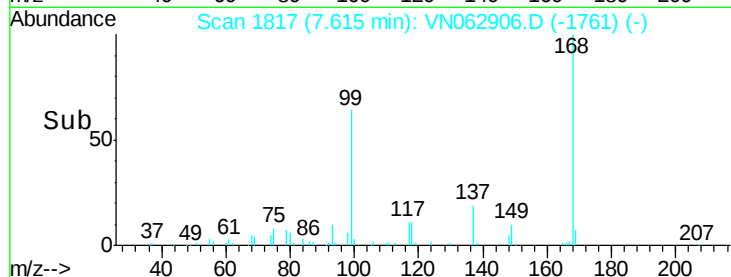
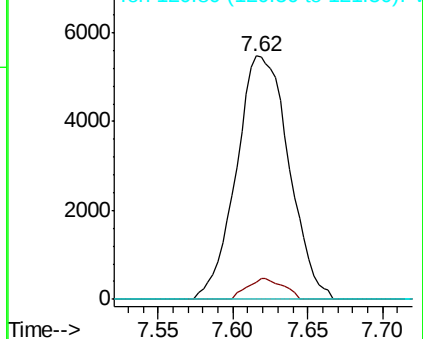
121 0.0 24.9 37.3#



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: 48.793 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062906.D

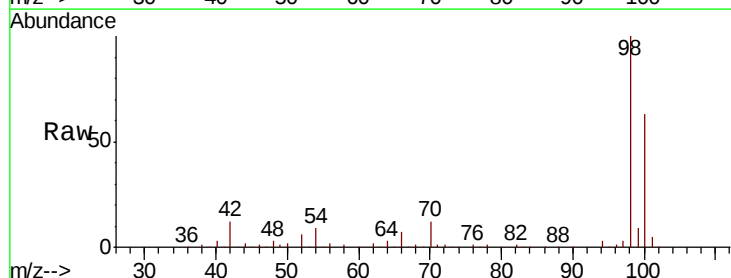
Acq: 13 Aug 2020 13:13

Tgt Ion: 98 Resp: 295467

Ion Ratio Lower Upper

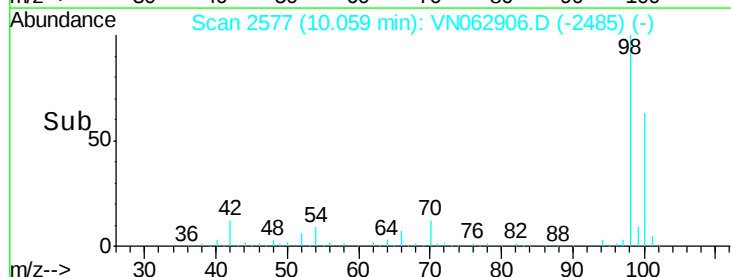
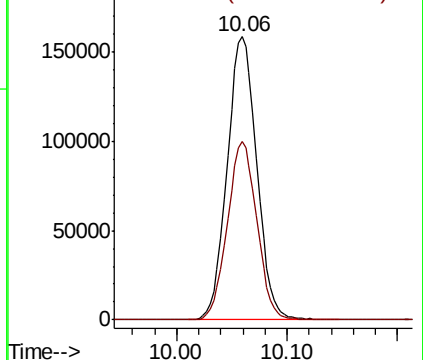
98 100

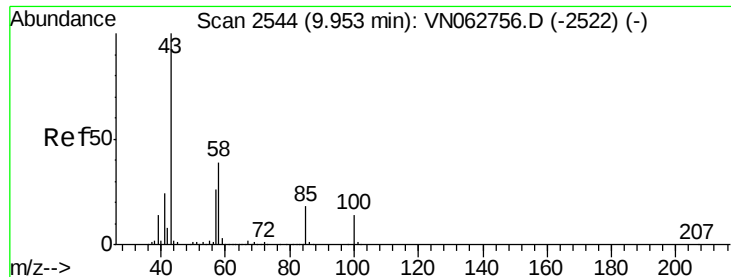
100 62.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

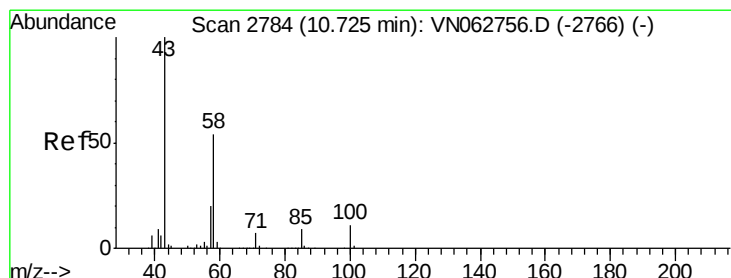
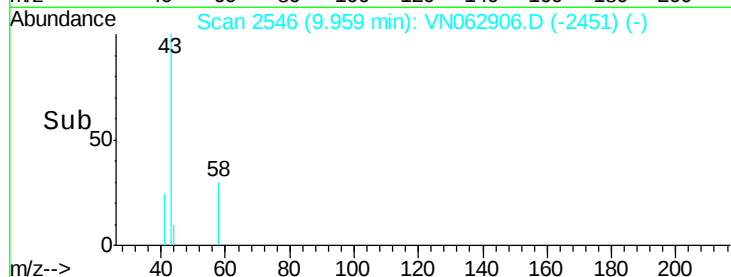
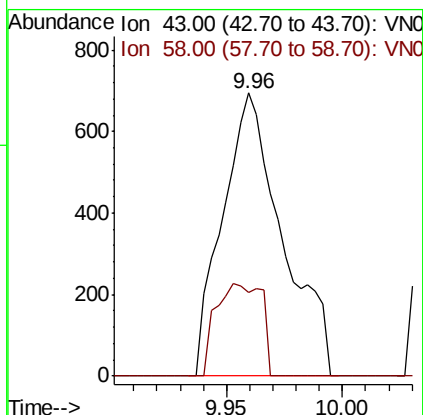
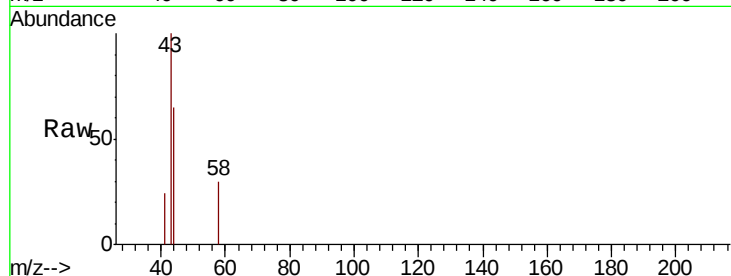




#51
4-Methyl-2-Pentanone
Concen: 0.499 ug/l
RT: 9.96 min Scan# 2546
Delta R.T. 0.01 min
Lab File: VN062906.D
Acq: 13 Aug 2020 13:13

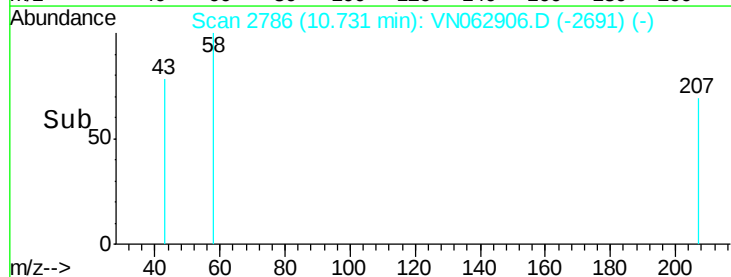
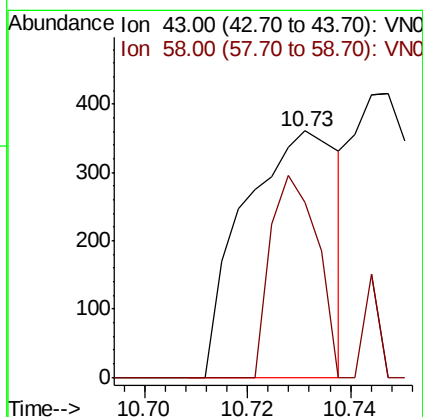
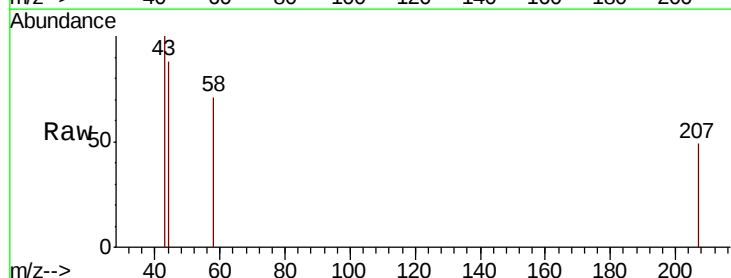
Instrument :
MSVOA_N
ClientSampleId :
TB-01-081220

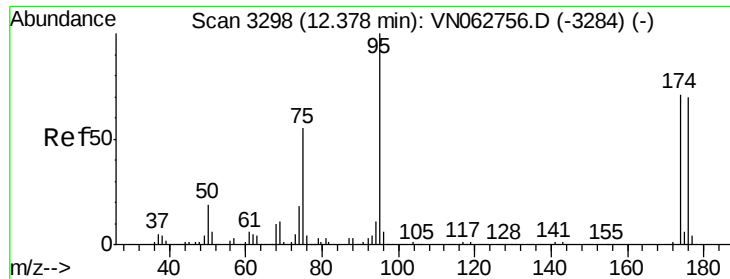
Tot Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
58 25.0 31.1 46.7#



#59
2-Hexanone
Concen: 0.245 ug/l
RT: 10.73 min Scan# 2786
Delta R.T. 0.01 min
Lab File: VN062906.D
Acq: 13 Aug 2020 13:13

Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
58 40.9 26.7 80.1





#62

4-Bromofluorobenzene

Concen: 47.400 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062906.D

Acq: 13 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

TB-01-081220

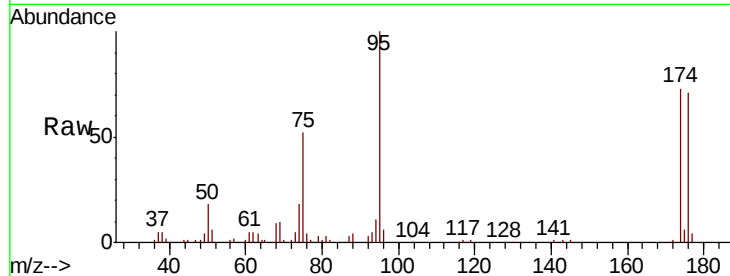
Tot Ion: 95 Resp: 108469

Ion Ratio Lower Upper

95 100

174 74.6 0.0 144.8

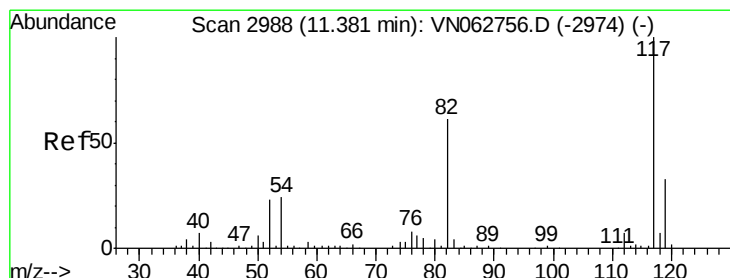
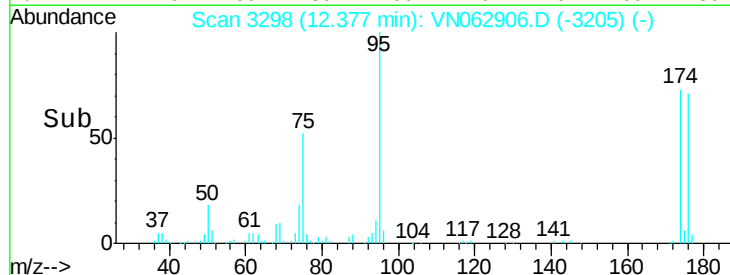
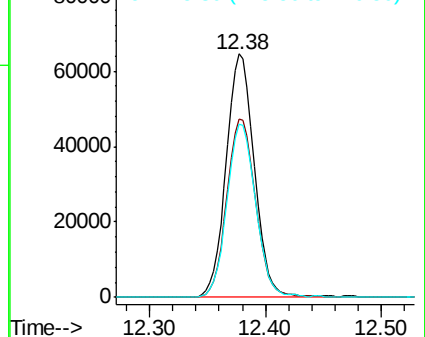
176 72.0 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062906.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062906.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062906.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062906.D

Acq: 13 Aug 2020 13:13

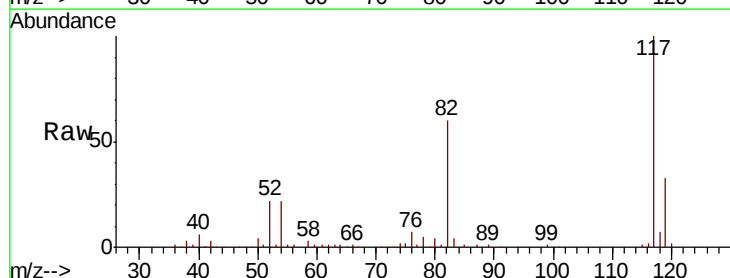
Tgt Ion: 117 Resp: 225288

Ion Ratio Lower Upper

117 100

82 60.1 49.0 73.4

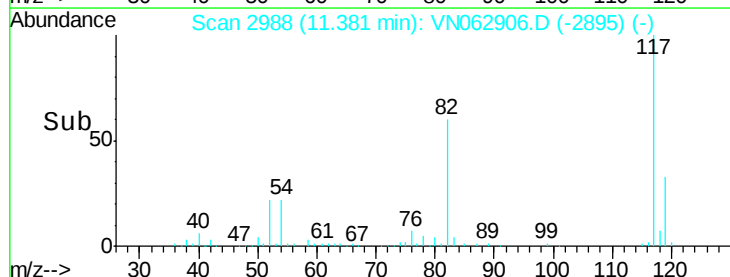
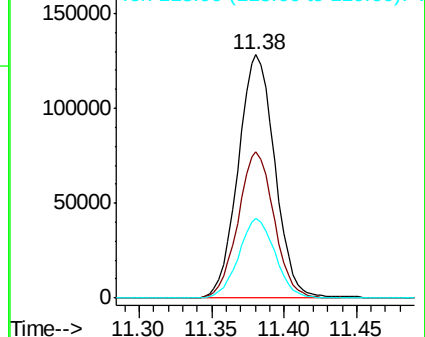
119 32.7 26.2 39.2

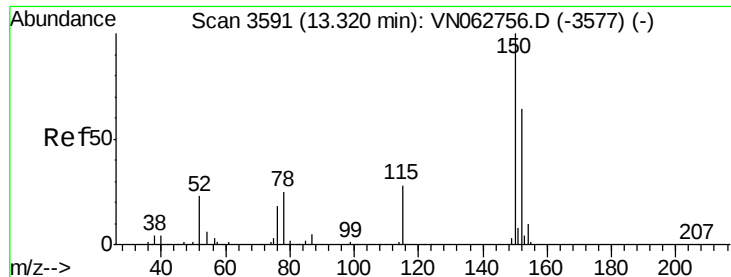


Abundance Ion 116.90 (116.60 to 117.60): VN062906.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062906.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062906.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062906.D

Acq: 13 Aug 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

TB-01-081220

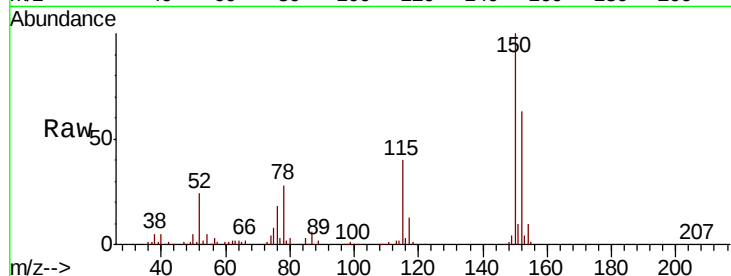
Tot Ion:152 Resp: 93684

Ion Ratio Lower Upper

152 100

115 63.4 31.6 94.8

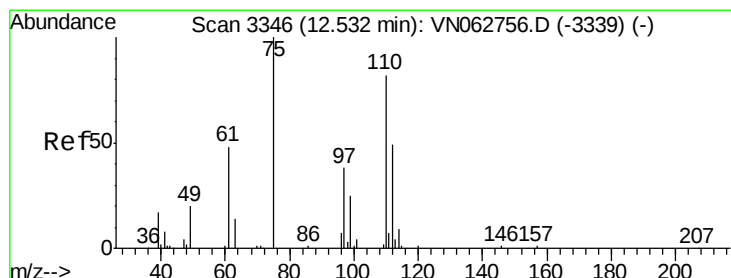
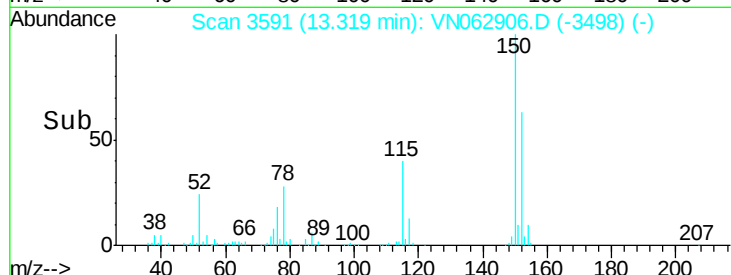
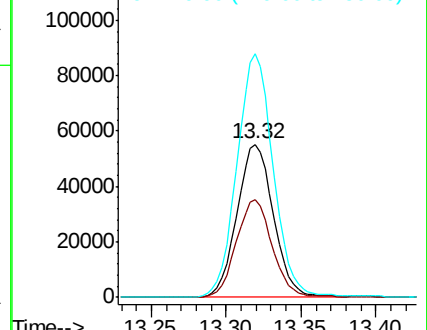
150 158.7 0.0 349.2



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: 22.414 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062906.D

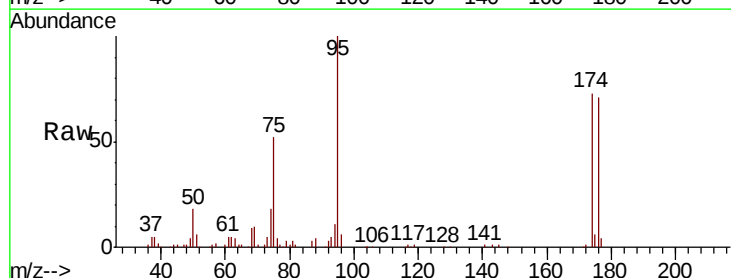
Acq: 13 Aug 2020 13:13

Tgt Ion: 75 Resp: 56630

Ion Ratio Lower Upper

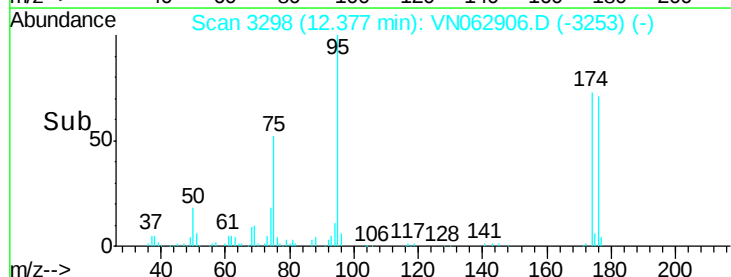
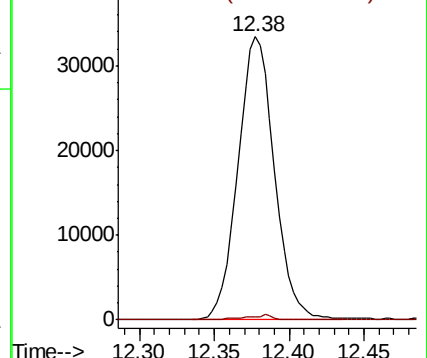
75 100

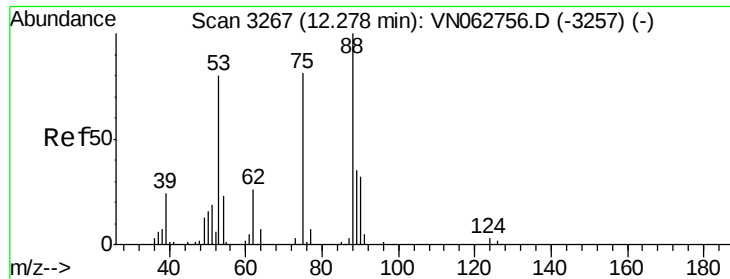
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

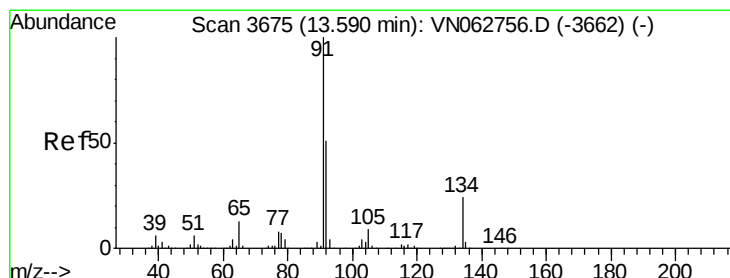
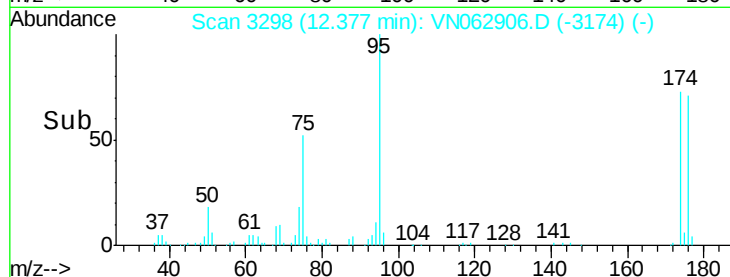
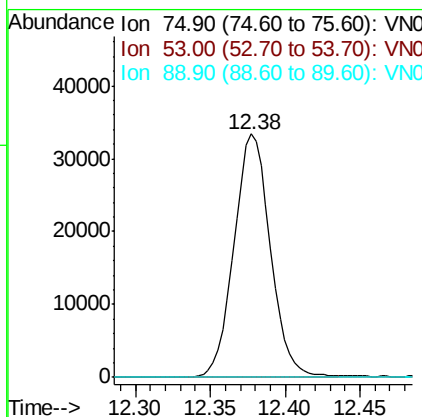
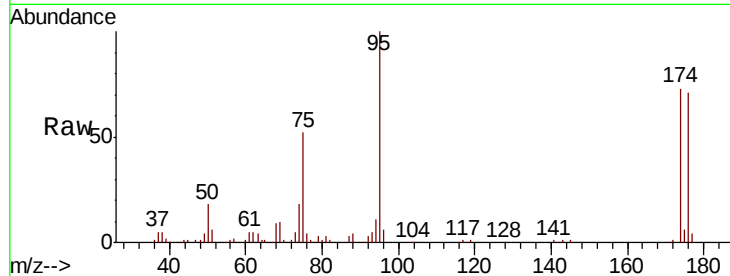




#81
trans-1,4-Dichloro-2-butene
Concen: 68.423 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062906.D
Acq: 13 Aug 2020 13:13

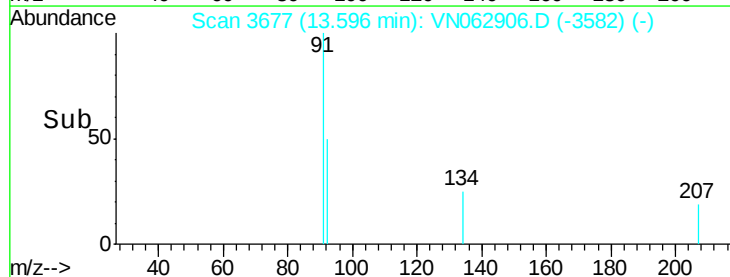
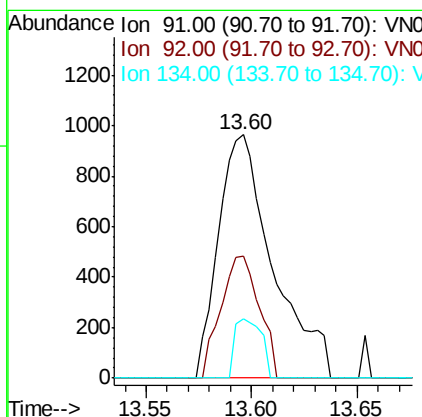
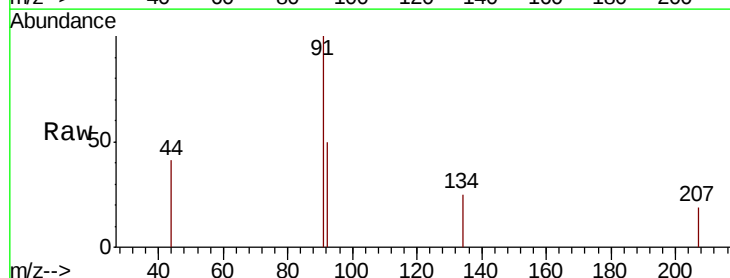
Instrument :
MSVOA_N
ClientSampled :
TB-01-081220

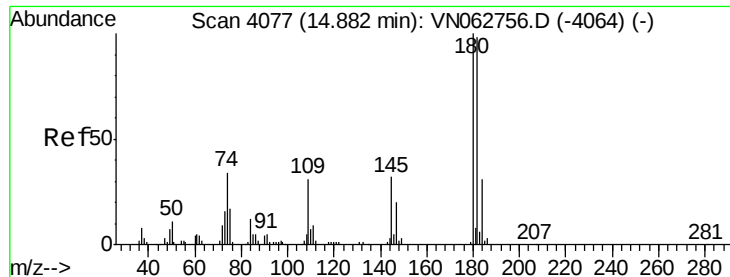
Tot Ion: 75 Resp: 56630
Ion Ratio Lower Upper
75 100
53 0.0 79.1 118.7#
89 0.0 36.2 54.2#



#89
n-Butylbenzene
Concen: 0.339 ug/l
RT: 13.60 min Scan# 3677
Delta R.T. 0.01 min
Lab File: VN062906.D
Acq: 13 Aug 2020 13:13

Tgt Ion: 91 Resp: 1729
Ion Ratio Lower Upper
91 100
92 35.3 25.7 77.0
134 11.6 12.2 36.6#

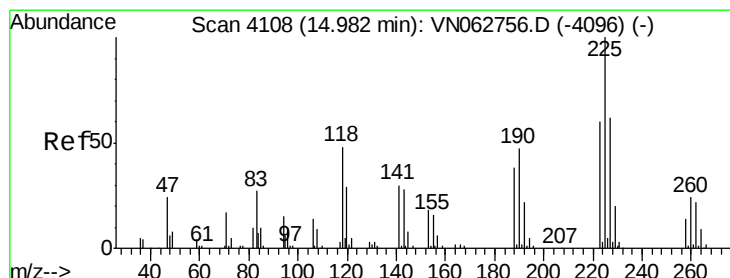
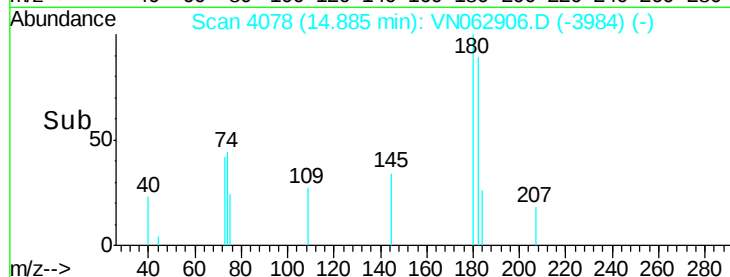
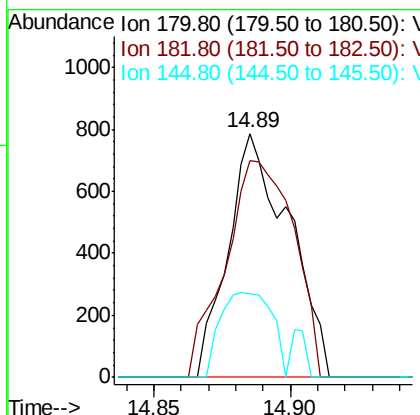
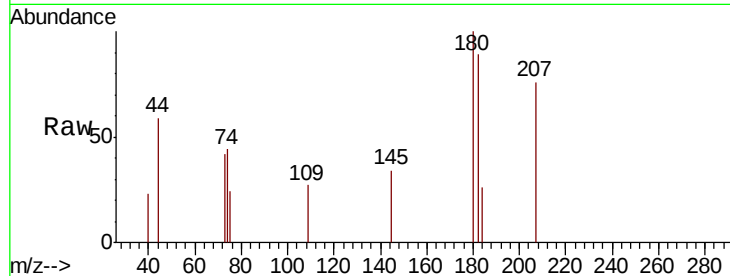




#93
 1,2,4-Trichlorobenzene
 Concen: 4.046 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062906.D
 Acq: 13 Aug 2020 13:13

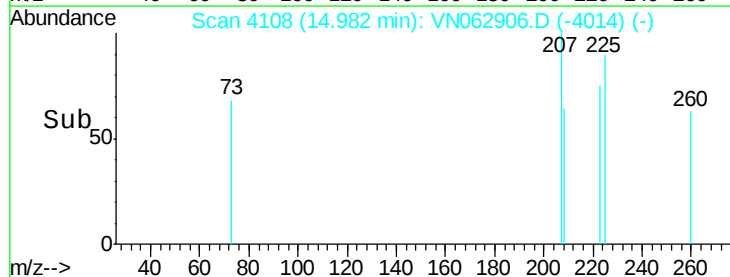
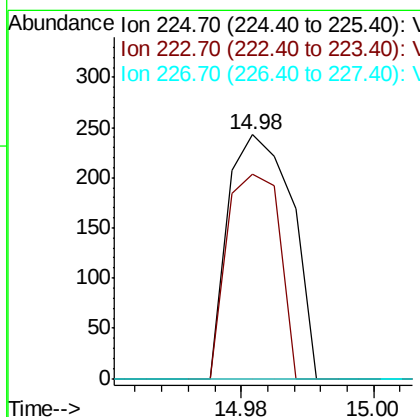
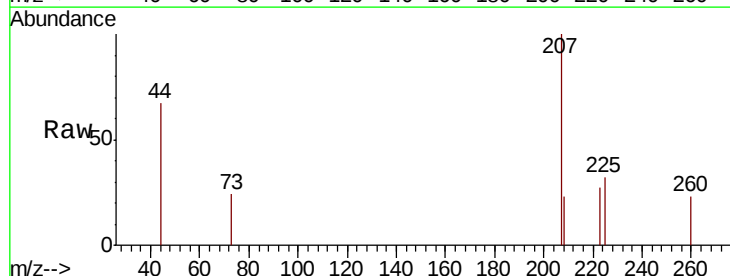
Instrument :
 MSVOA_N
 ClientSampled :
 TB-01-081220

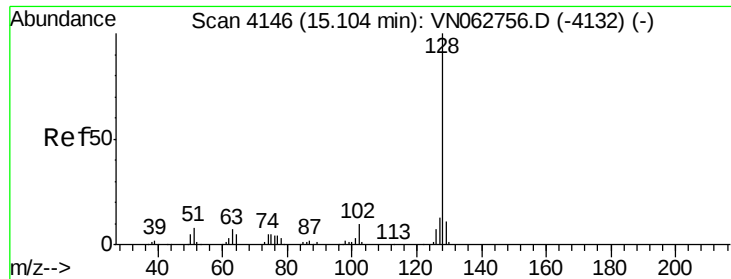
Tot Ion:180 Resp: 1222
 Ion Ratio Lower Upper
 180 100
 182 100.0 49.1 147.4
 145 29.4 16.3 48.8



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062906.D
 Acq: 13 Aug 2020 13:13

Tgt Ion:225 Resp: 162
 Ion Ratio Lower Upper
 225 100
 223 69.1 30.6 92.0
 227 0.0 31.6 95.0#

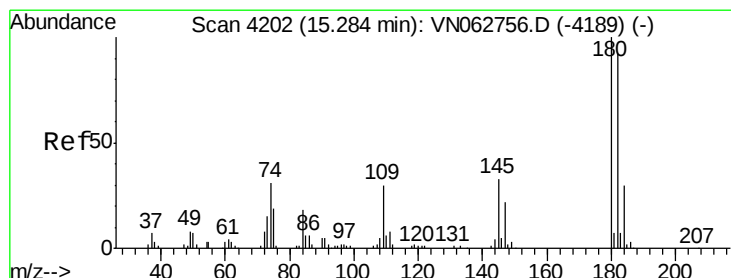
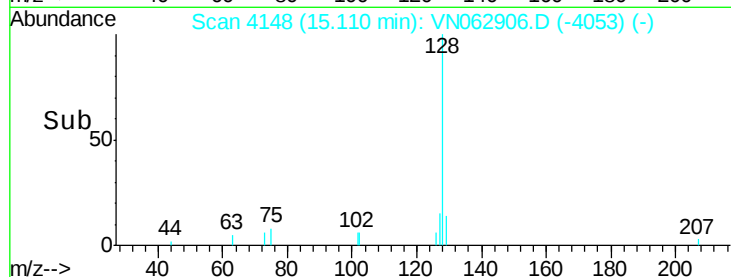
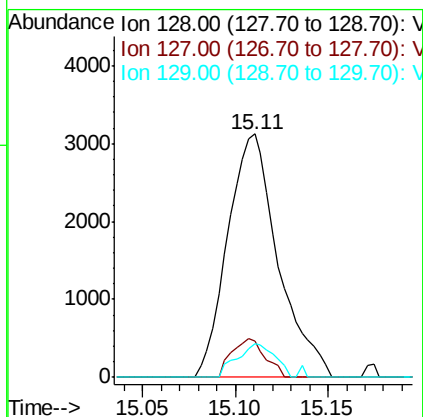
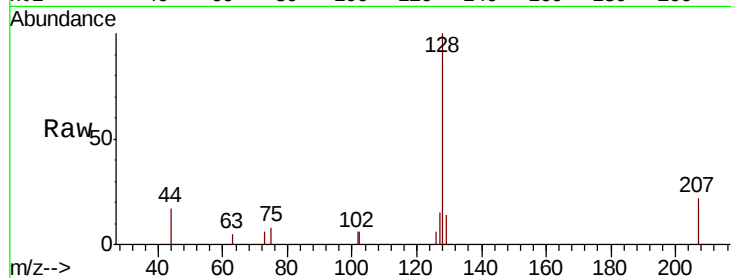




#95
Naphthalene
Concen: 4.974 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062906.D
Acq: 13 Aug 2020 13:13

Instrument :
MSVOA_N
ClientSampled :
TB-01-081220

Tot Ion:128 Resp: 5889
Ion Ratio Lower Upper
128 100
127 10.5 10.8 16.2#
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 3.829 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN062906.D
Acq: 13 Aug 2020 13:13

Tgt Ion:180 Resp: 1789
Ion Ratio Lower Upper
180 100
182 85.5 47.9 143.6
145 37.0 17.3 51.7

