

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062823.D
 Acq On : 11 Aug 2020 12:15
 Operator : JC/MD
 Sample : VN0811WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBL01

Quant Time: Aug 11 14:49:33 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	132608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	232000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	225277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84790	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	110652	50.46	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.55	113	81724	51.50	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.06	98	294458	47.53	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.38	95	107111	45.75	ug/l	0.00
Spiked Amount						

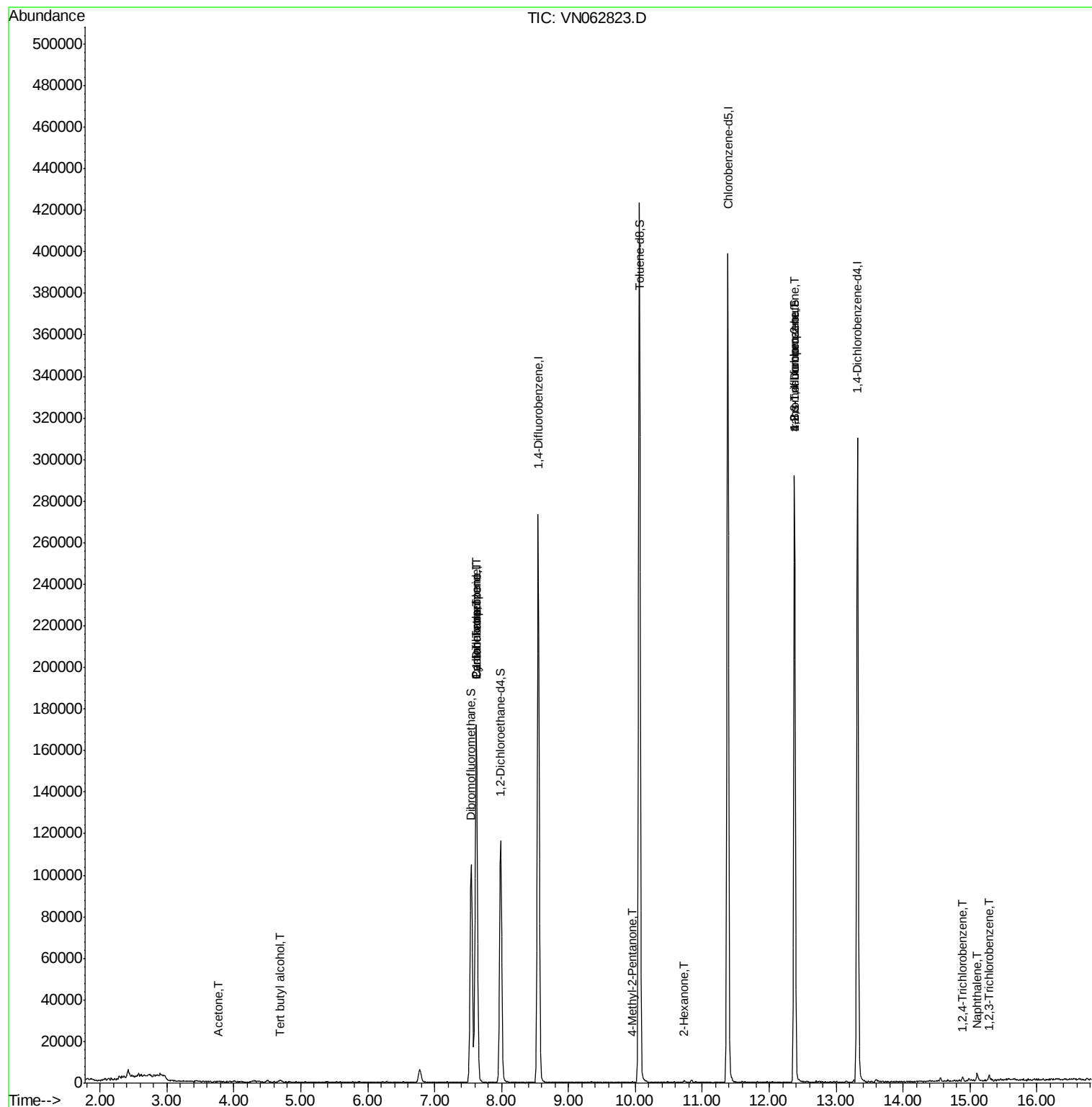
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	412	1.146	ug/l #	72
16) Acetone	3.77	43	299	0.377	ug/l #	45
17) Carbon Disulfide	4.01	76	1028	Below Cal	#	74
18) Methyl Acetate	4.28	43	413	Below Cal	#	52
20) Methylene Chloride	4.51	84	493	Below Cal	#	47
31) Cyclohexane	7.62	56	3016	1.134	ug/l #	15
36) 1,1-Dichloropropene	7.63	75	11139	4.931	ug/l #	53
38) Carbon Tetrachloride	7.62	117	13980	5.233	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	581	0.228	ug/l #	66
59) 2-Hexanone	10.73	43	843	0.444	ug/l	93
76) 1,2,3-Trichloropropane	12.38	75	57297	25.057	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57297	76.491	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.89	180	746	3.810	ug/l #	83
94) Hexachlorobutadiene	14.99	225	104	Below Cal	#	57
95) Naphthalene	15.11	128	4044	4.669	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.29	180	1128	3.499	ug/l	95

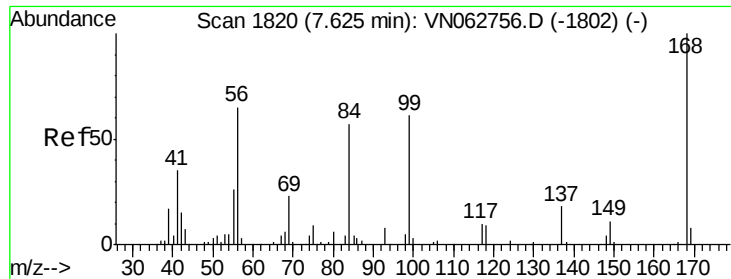
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062823.D

Acq: 11 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

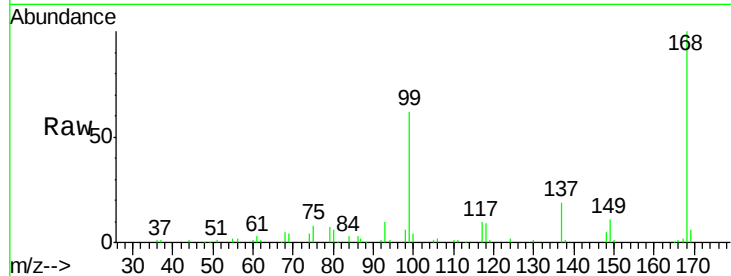
VN0811WBL01

Tgt Ion:168 Resp: 132608

Ion Ratio Lower Upper

168 100

99 61.6 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

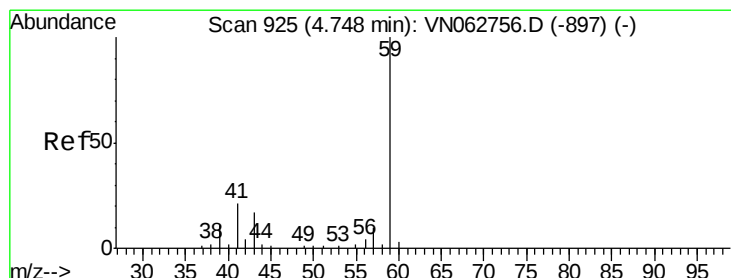
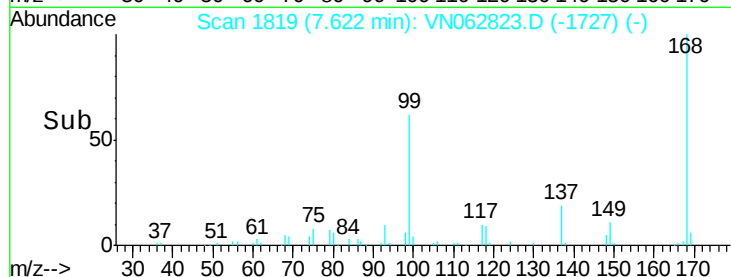
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.146 ug/l

RT: 4.71 min Scan# 912

Delta R.T. -0.04 min

Lab File: VN062823.D

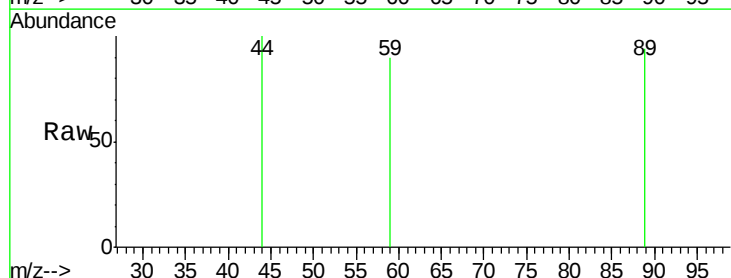
Acq: 11 Aug 2020 12:15

Tgt Ion: 59 Resp: 412

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

4.71

400

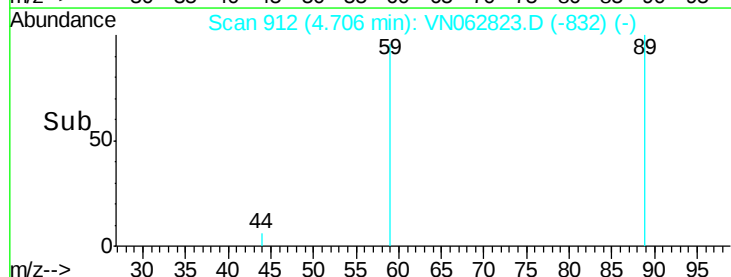
300

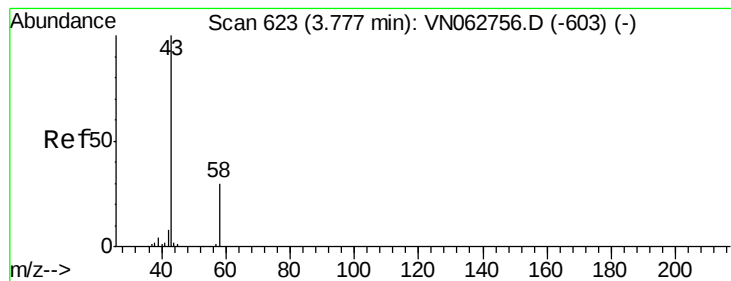
200

100

0

Time-->





#16

Acetone

Concen: 0.377 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062823.D

Acq: 11 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

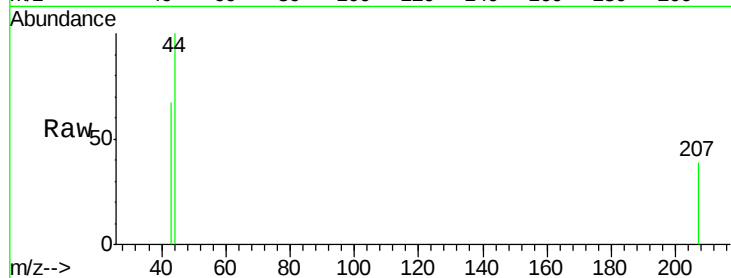
VN0811WBL01

Tgt Ion: 43 Resp: 299

Ion Ratio Lower Upper

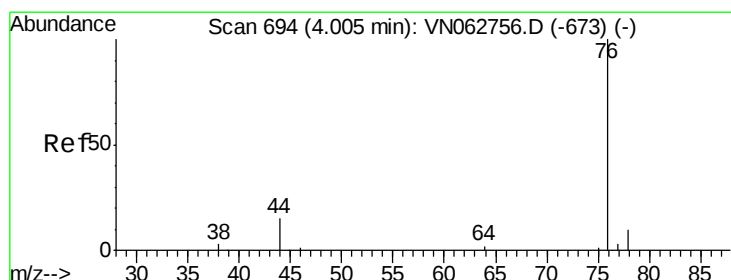
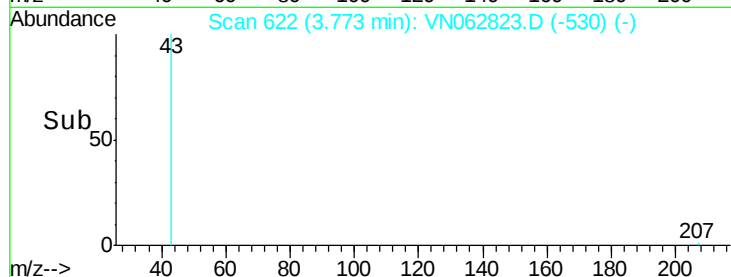
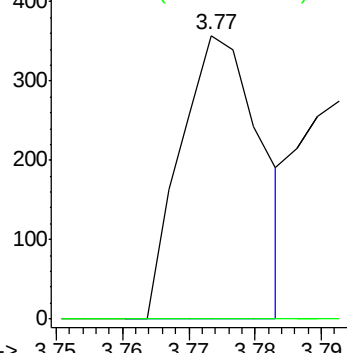
43 100

58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN062823.D

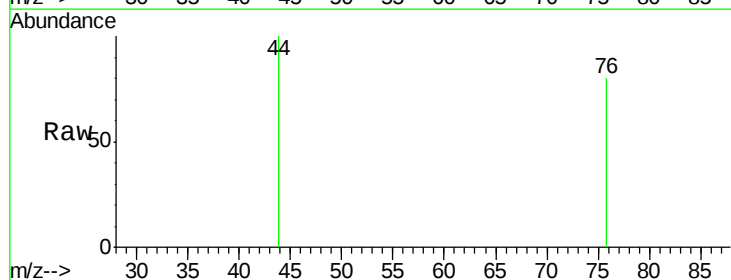
Acq: 11 Aug 2020 12:15

Tgt Ion: 76 Resp: 1028

Ion Ratio Lower Upper

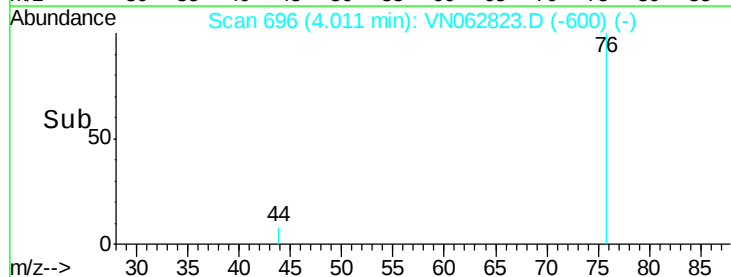
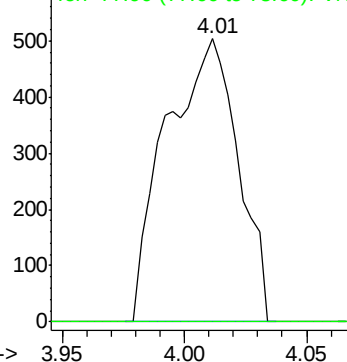
76 100

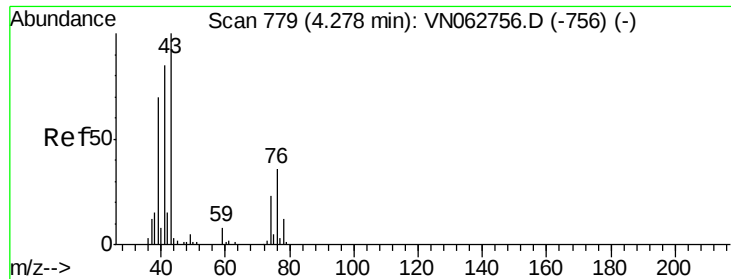
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

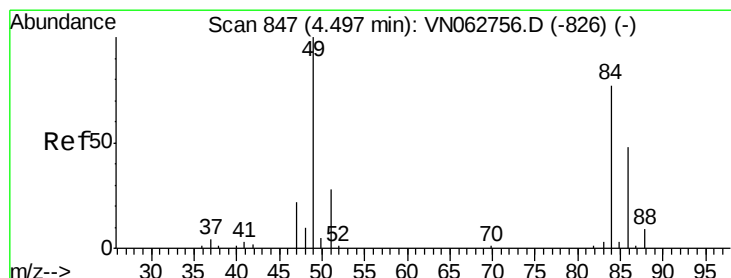
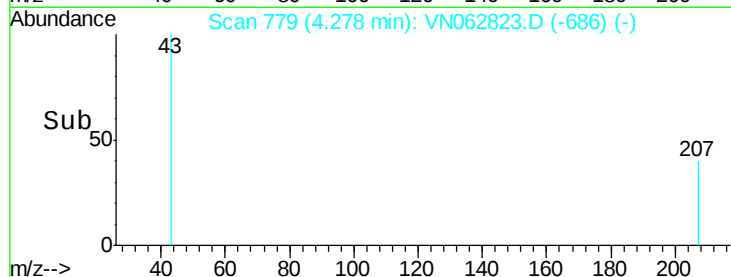
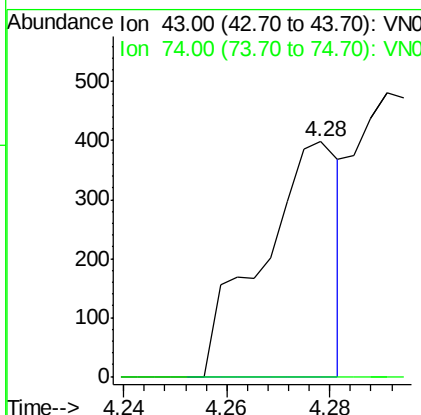
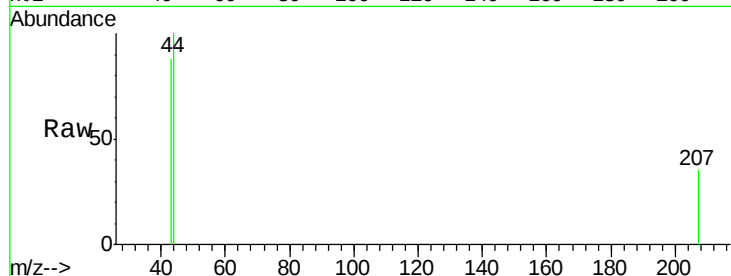




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062823.D
Acq: 11 Aug 2020 12:15

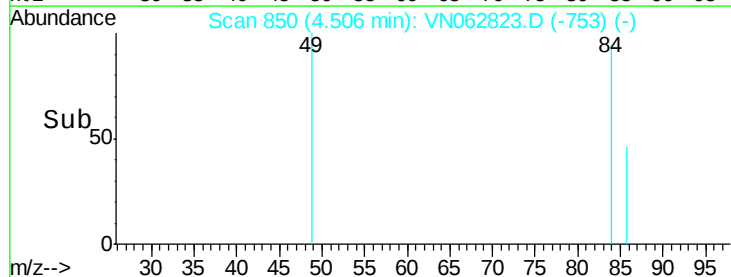
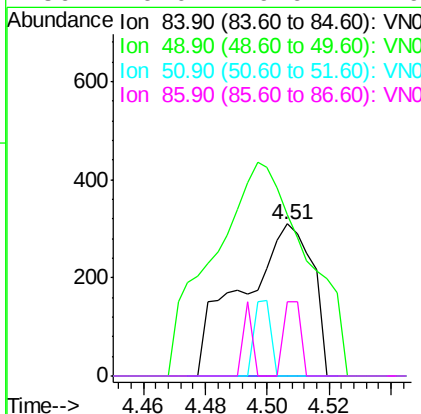
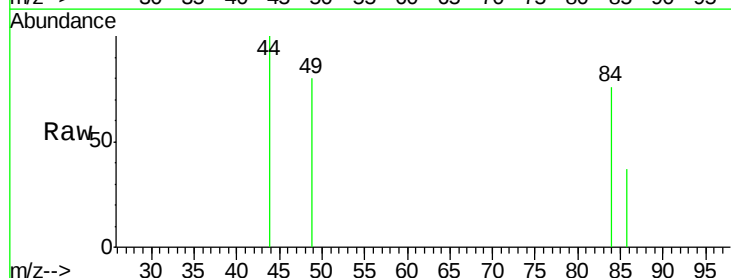
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01

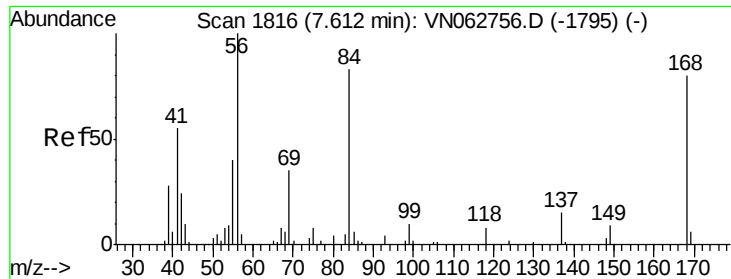
Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062823.D
Acq: 11 Aug 2020 12:15

Tgt Ion: 84 Resp: 493
Ion Ratio Lower Upper
84 100
49 51.3 103.4 155.2#
51 0.0 29.3 43.9#
86 49.0 49.9 74.9#

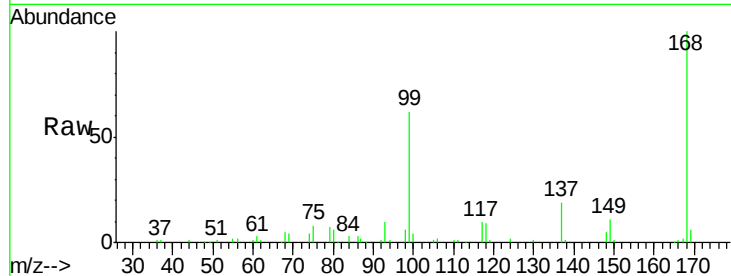




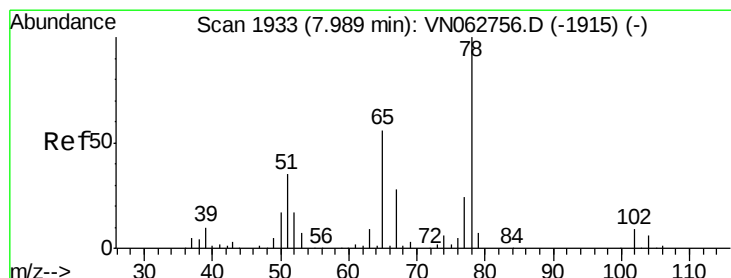
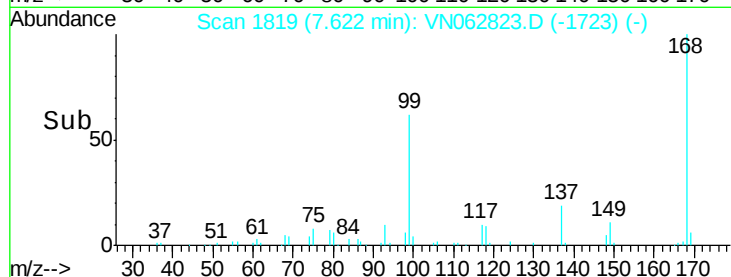
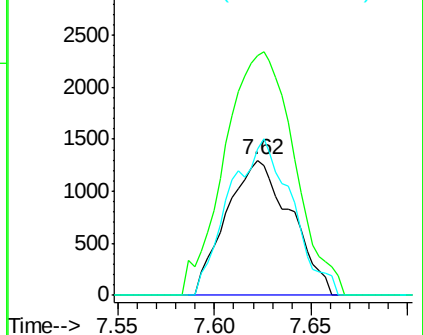
#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062823.D
Acq: 11 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0811WBL01

Tgt Ion: 56 Resp: 3016
Ion Ratio Lower Upper
56 100
69 163.4 28.1 42.1#
84 108.7 66.8 100.2#

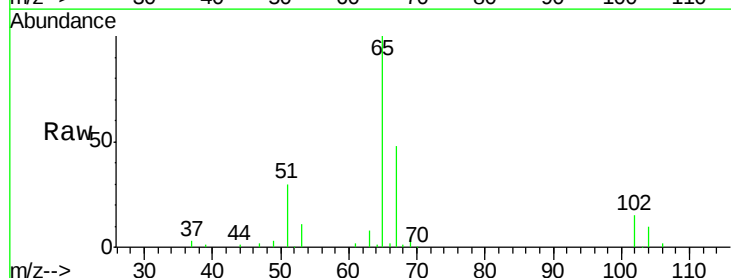


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

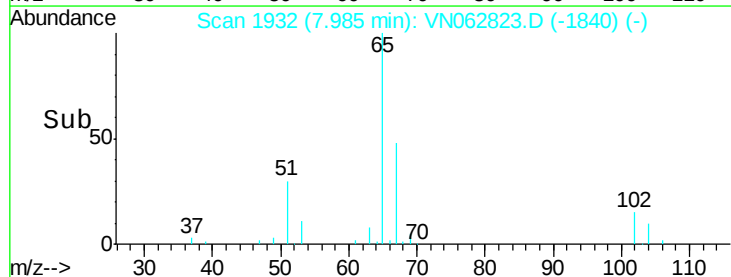
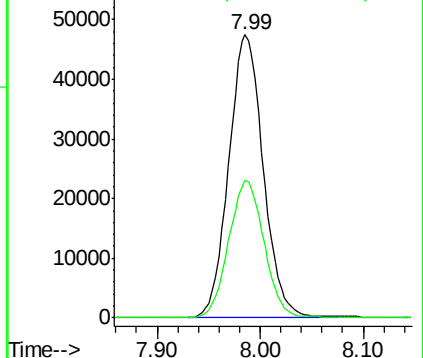


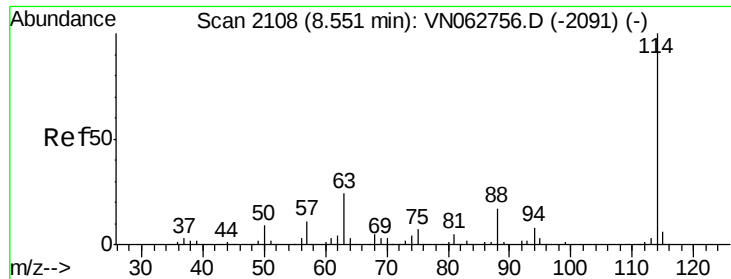
#33
1,2-Dichloroethane-d4
Concen: 50.459 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062823.D
Acq: 11 Aug 2020 12:15

Tgt Ion: 65 Resp: 110652
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

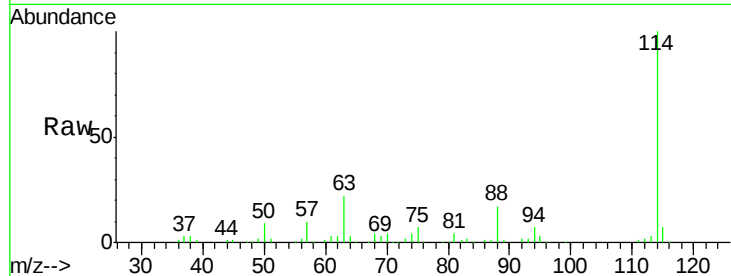




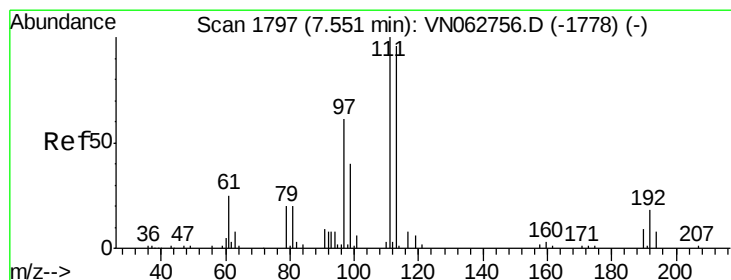
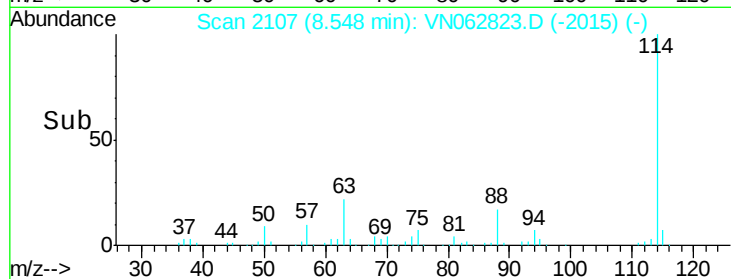
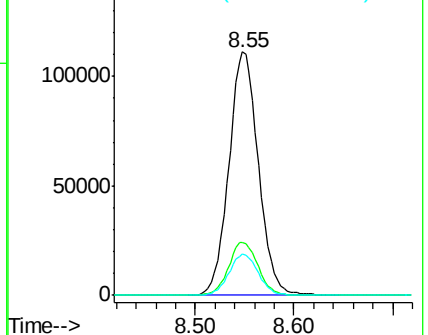
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN062823.D
Acq: 11 Aug 2020 12:15

Instrument :
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ClientSampleId :
VN0811WBL01

Tgt Ion:114 Resp: 232000
Ion Ratio Lower Upper
114 100
63 21.9 0.0 47.6
88 16.8 0.0 34.4

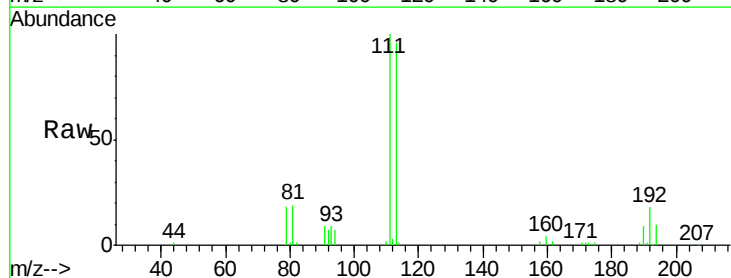


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

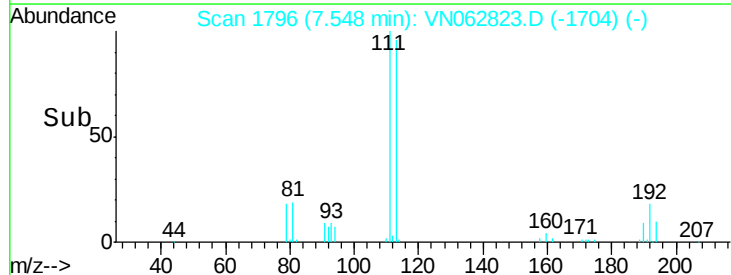
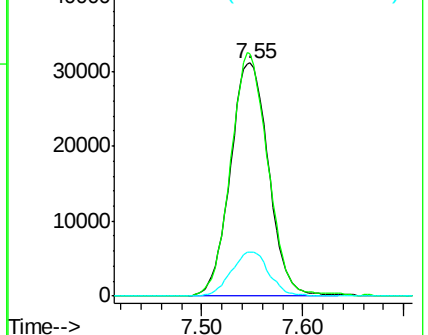


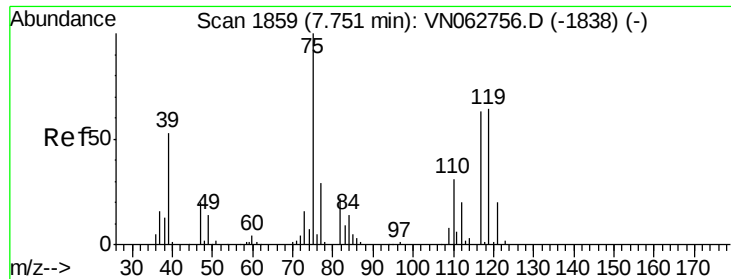
#35
Dibromofluoromethane
Concen: 51.496 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062823.D
Acq: 11 Aug 2020 12:15

Tgt Ion:113 Resp: 81724
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.6
192 18.5 15.0 22.4



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

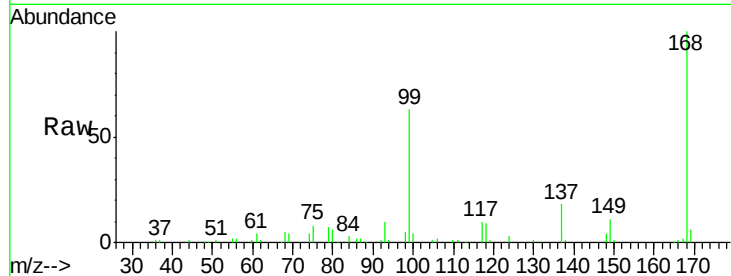




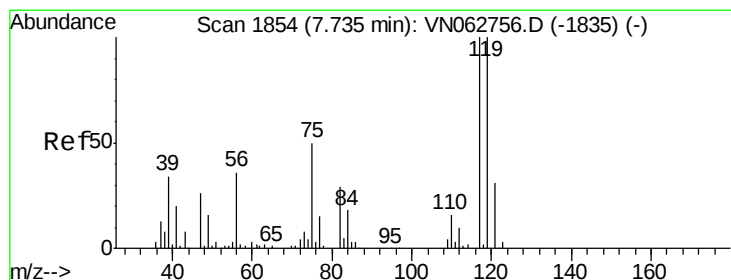
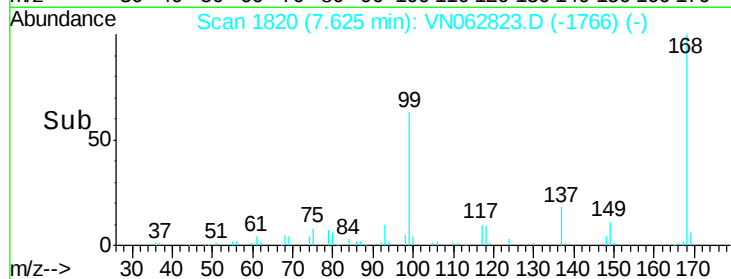
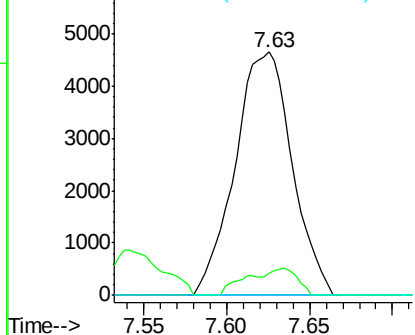
#36
 1,1-Dichloropropene
 Concen: 4.931 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062823.D
 Acq: 11 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBL01

Tgt Ion: 75 Resp: 11139
 Ion Ratio Lower Upper
 75 100
 110 9.7 15.6 46.7#
 77 0.0 24.1 36.1#

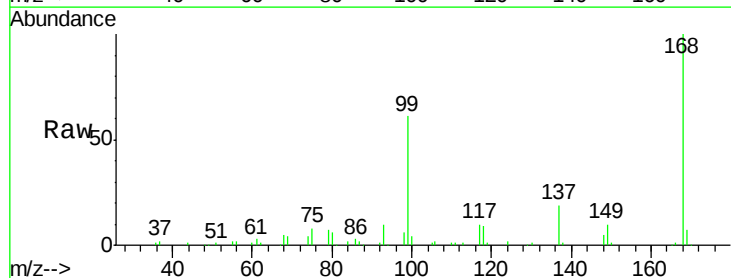


Abundance Ion 74.90 (74.60 to 75.60): VN062823.D (-1766) (-)
 Ion 109.90 (109.60 to 110.60): VN062823.D (-1766) (-)
 Ion 76.90 (76.60 to 77.60): VN062823.D (-1766) (-)

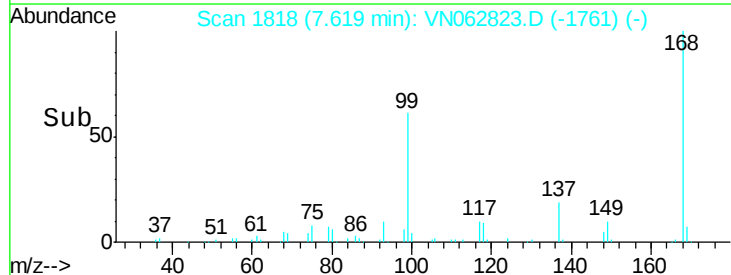
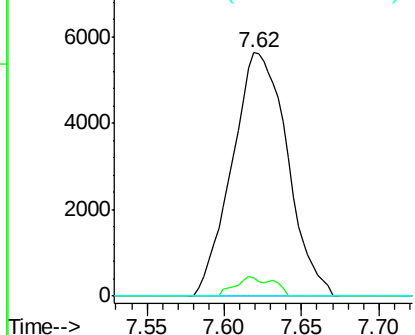


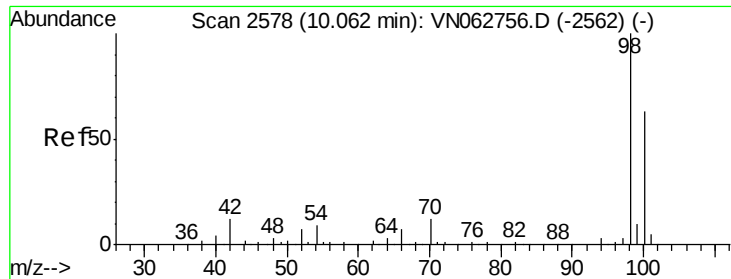
#38
 Carbon Tetrachloride
 Concen: 5.233 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.12 min
 Lab File: VN062823.D
 Acq: 11 Aug 2020 12:15

Tgt Ion: 117 Resp: 13980
 Ion Ratio Lower Upper
 117 100
 119 7.3 79.4 119.2#
 121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): VN062823.D (-1761) (-)
 Ion 118.80 (118.50 to 119.50): VN062823.D (-1761) (-)
 Ion 120.80 (120.50 to 121.50): VN062823.D (-1761) (-)

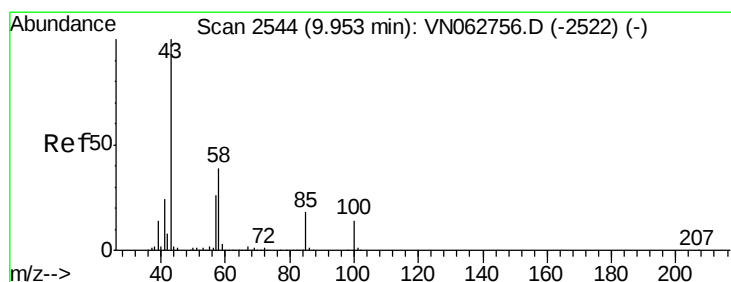
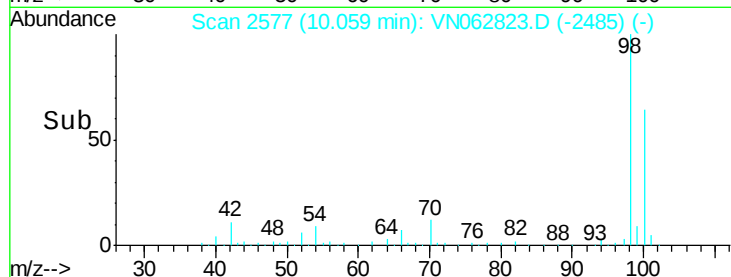
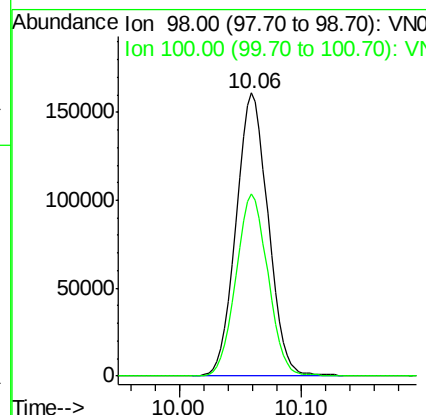
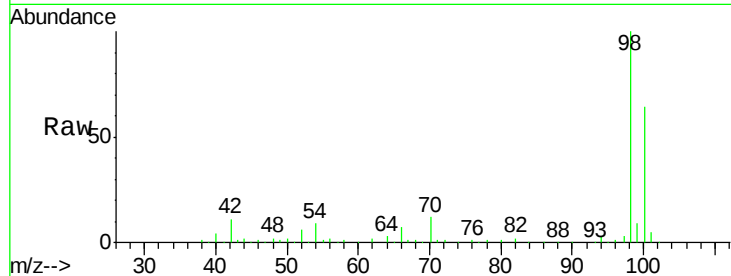




#50
Toluene-d8
Concen: 47.525 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062823.D
Acq: 11 Aug 2020 12:15

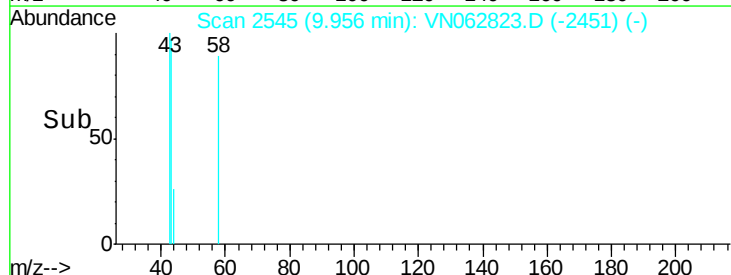
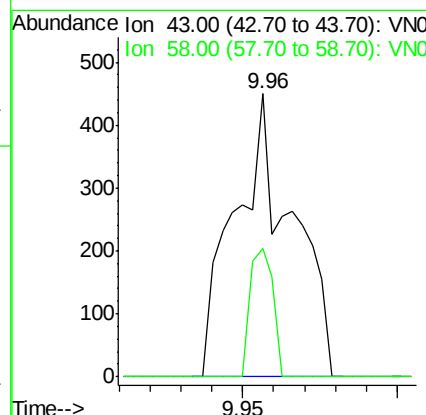
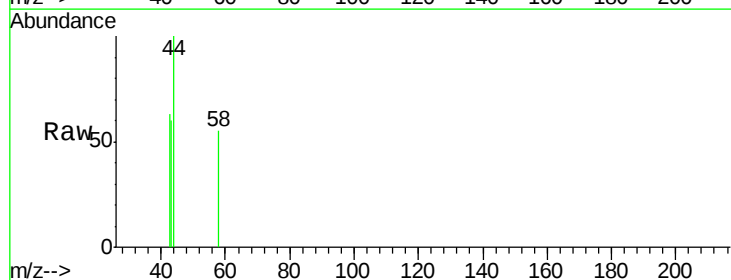
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01

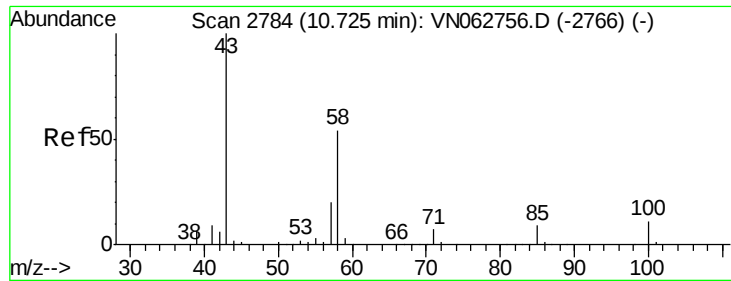
Tgt Ion: 98 Resp: 294458
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.228 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062823.D
Acq: 11 Aug 2020 12:15

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
58 18.2 31.1 46.7#





#59

2-Hexanone

Concen: 0.444 ug/l

RT: 10.73 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VN062823.D

Acq: 11 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

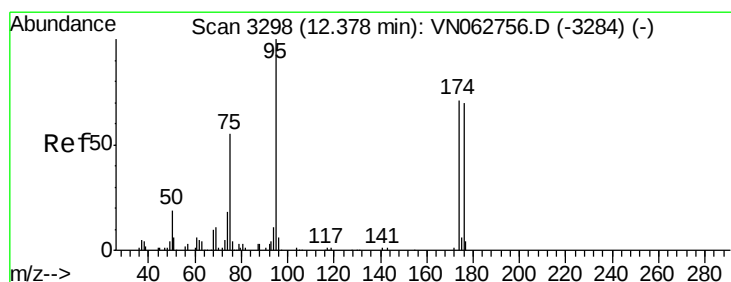
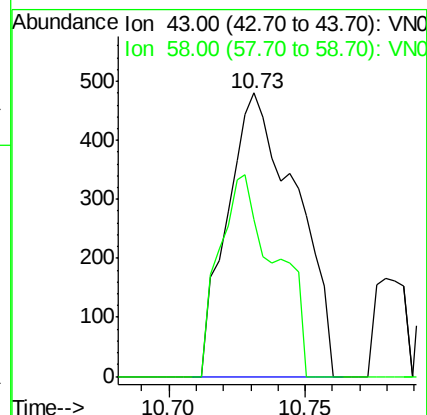
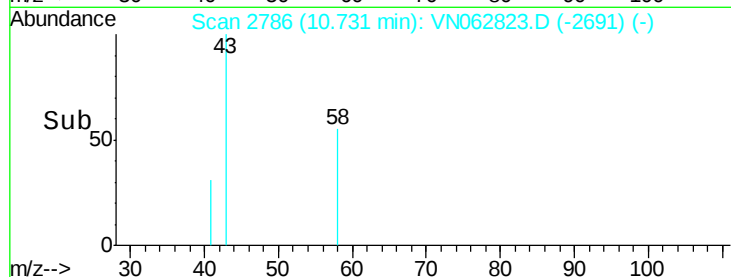
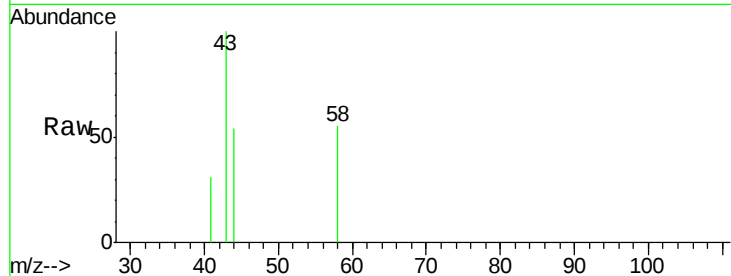
VN0811WBL01

Tgt Ion: 43 Resp: 843

Ion Ratio Lower Upper

43 100

58 58.4 26.7 80.1



#62

4-Bromofluorobenzene

Concen: 45.747 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062823.D

Acq: 11 Aug 2020 12:15

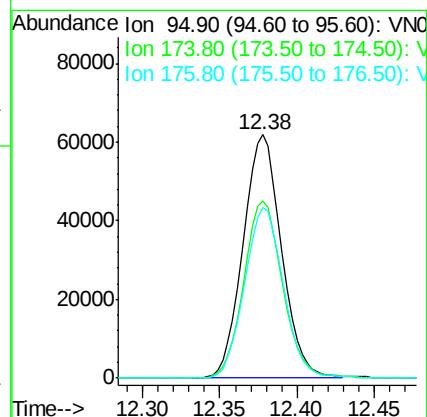
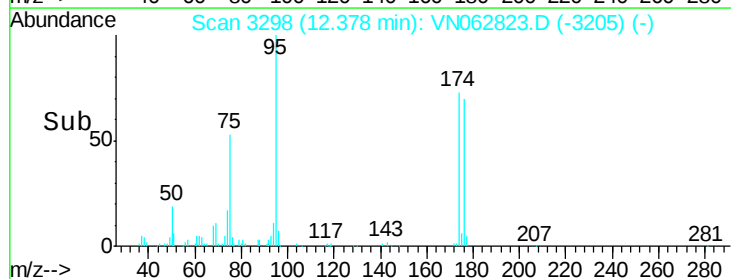
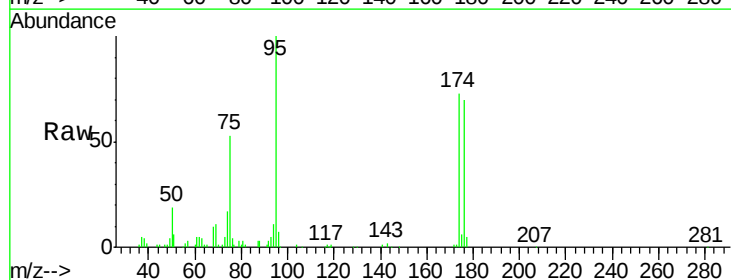
Tgt Ion: 95 Resp: 107111

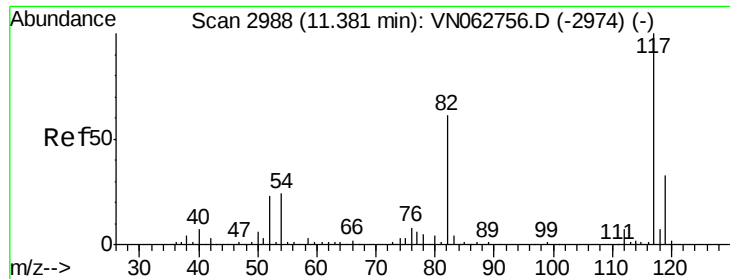
Ion Ratio Lower Upper

95 100

174 73.7 0.0 144.8

176 71.0 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: VN062823.D

Acq: 11 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBL01

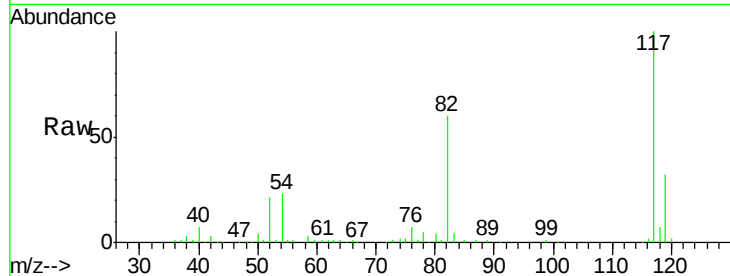
Tgt Ion:117 Resp: 225277

Ion Ratio Lower Upper

117 100

82 59.8 49.0 73.4

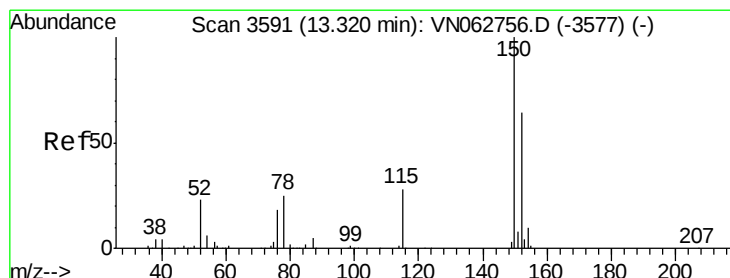
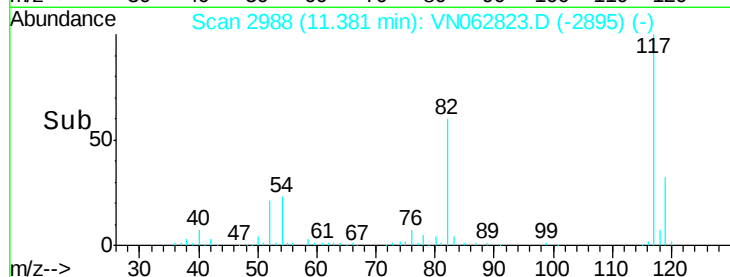
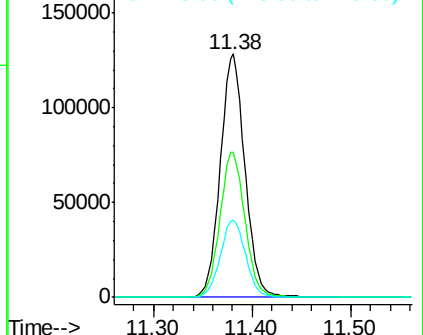
119 31.9 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

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: VN062823.D

Acq: 11 Aug 2020 12:15

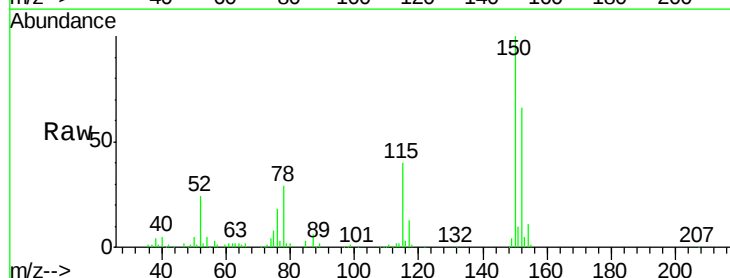
Tgt Ion:152 Resp: 84790

Ion Ratio Lower Upper

152 100

115 63.4 31.6 94.8

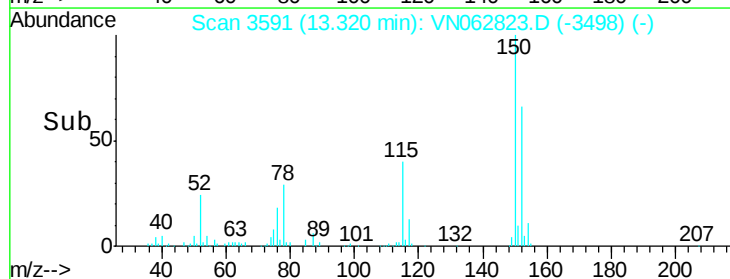
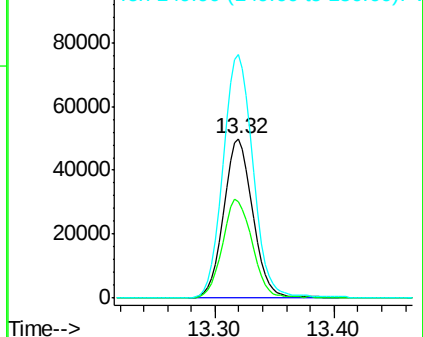
150 157.4 0.0 349.2

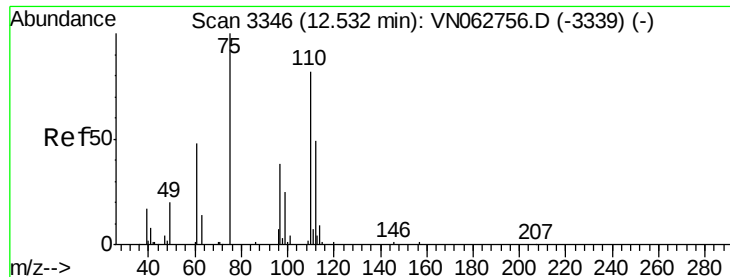


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

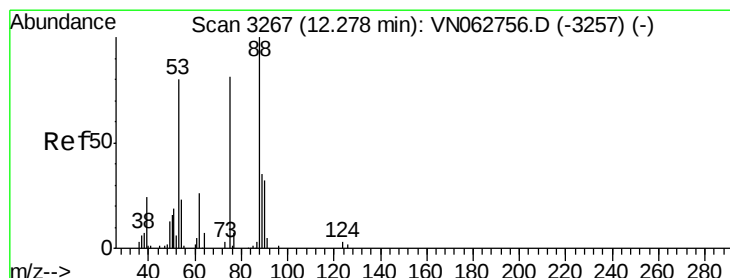
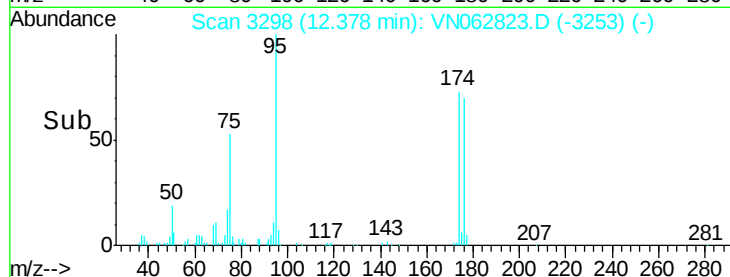
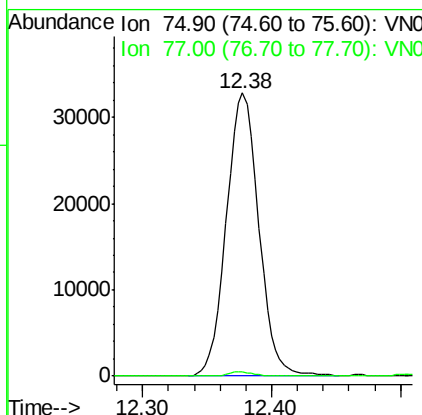
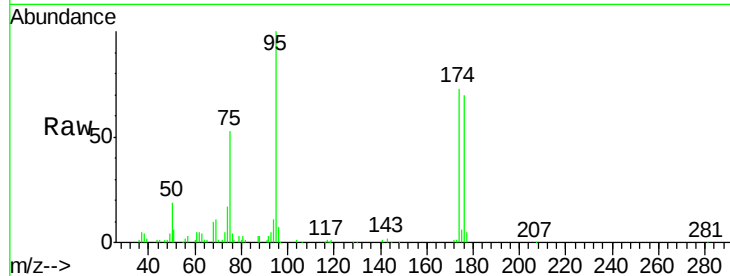




#76
 1,2,3-Trichloropropane
 Concen: 25.057 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062823.D
 Acq: 11 Aug 2020 12:15

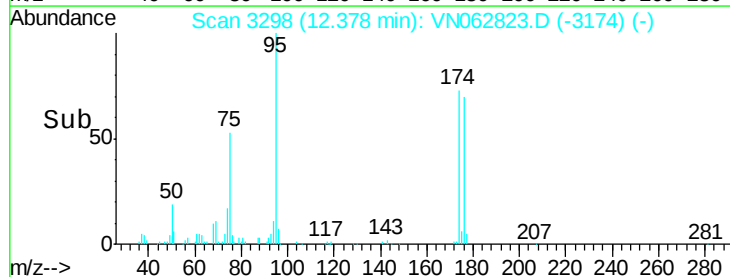
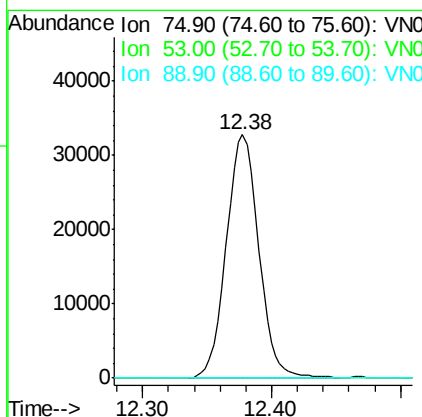
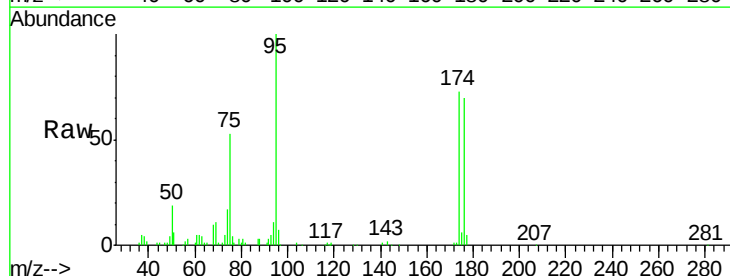
Instrument :
 MSVOA_N
 ClientSampled :
 VN0811WBL01

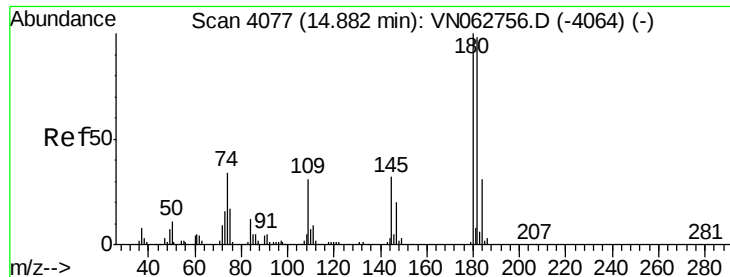
Tgt Ion: 75 Resp: 57297
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.491 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062823.D
 Acq: 11 Aug 2020 12:15

Tgt Ion: 75 Resp: 57297
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#

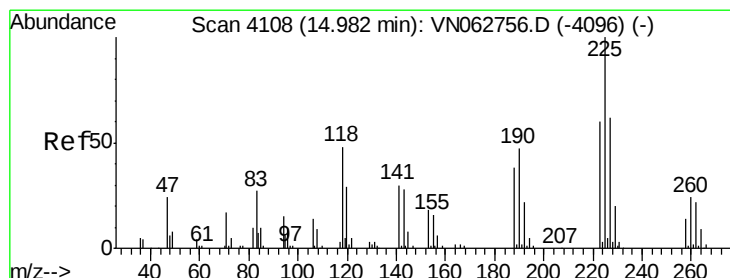
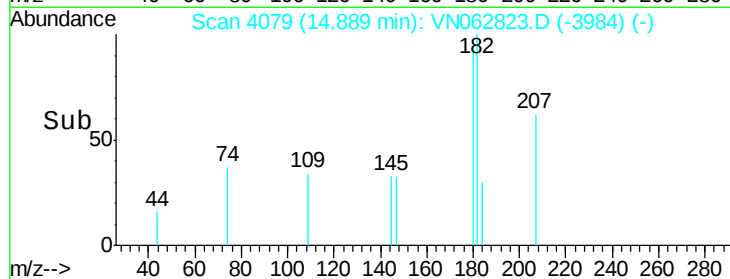
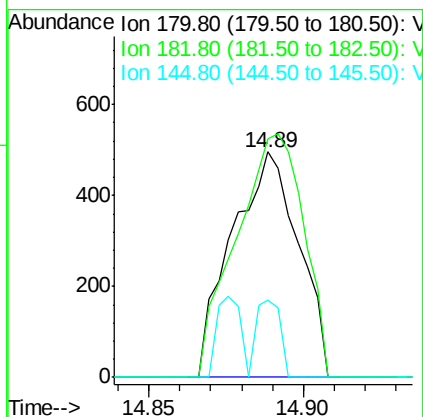
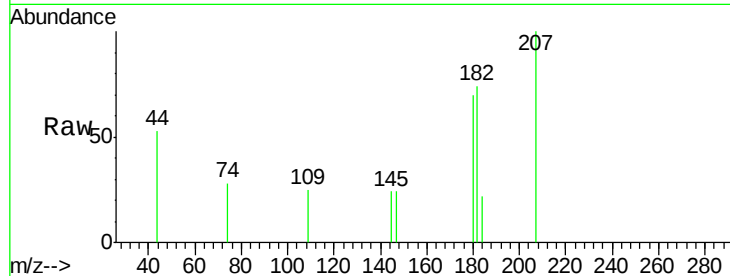




#93
 1,2,4-Trichlorobenzene
 Concen: 3.810 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN062823.D
 Acq: 11 Aug 2020 12:15

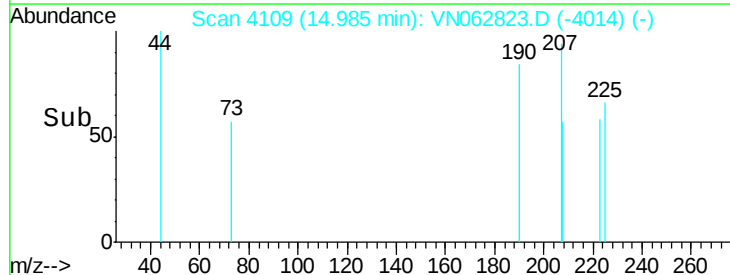
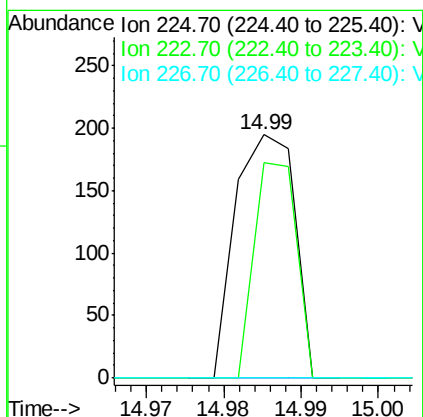
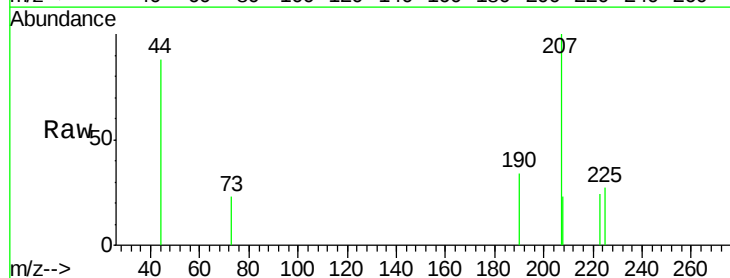
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBL01

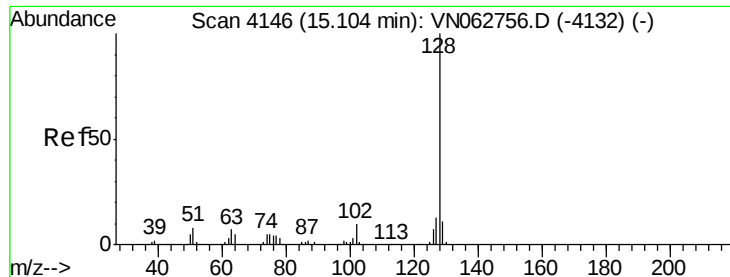
Tgt Ion:180 Resp: 746
 Ion Ratio Lower Upper
 180 100
 182 109.1 49.1 147.4
 145 12.6 16.3 48.8#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062823.D
 Acq: 11 Aug 2020 12:15

Tgt Ion:225 Resp: 104
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.6 92.0
 227 0.0 31.6 95.0#

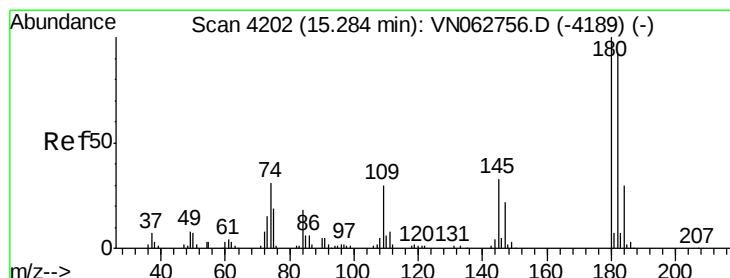
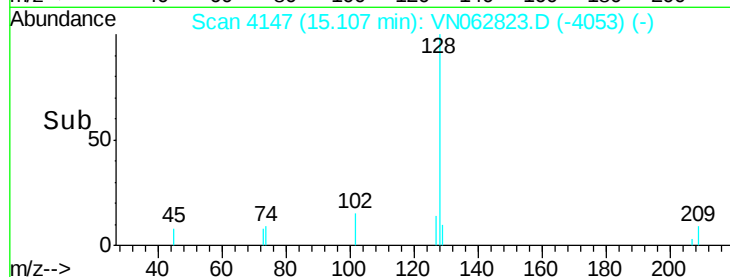
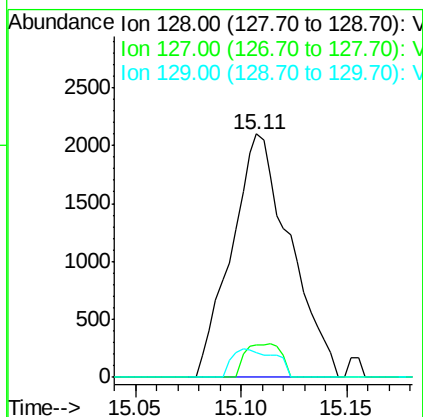
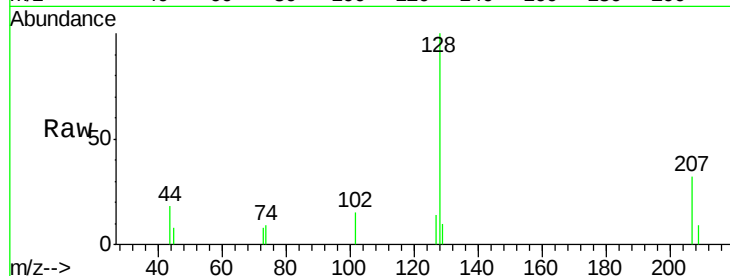




#95
Naphthalene
Concen: 4.669 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062823.D
Acq: 11 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0811WBL01

Tgt Ion:128 Resp: 4044
Ion Ratio Lower Upper
128 100
127 8.5 10.8 16.2#
129 8.5 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 3.499 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. 0.01 min
Lab File: VN062823.D
Acq: 11 Aug 2020 12:15

Tgt Ion:180 Resp: 1128
Ion Ratio Lower Upper
180 100
182 89.9 47.9 143.6
145 33.9 17.3 51.7

