

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
 Data File : VN084962.D
 Acq On : 20 Nov 2024 12:21
 Operator : JC\MD
 Sample : VN1120WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBL01

Quant Time: Nov 21 00:34:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

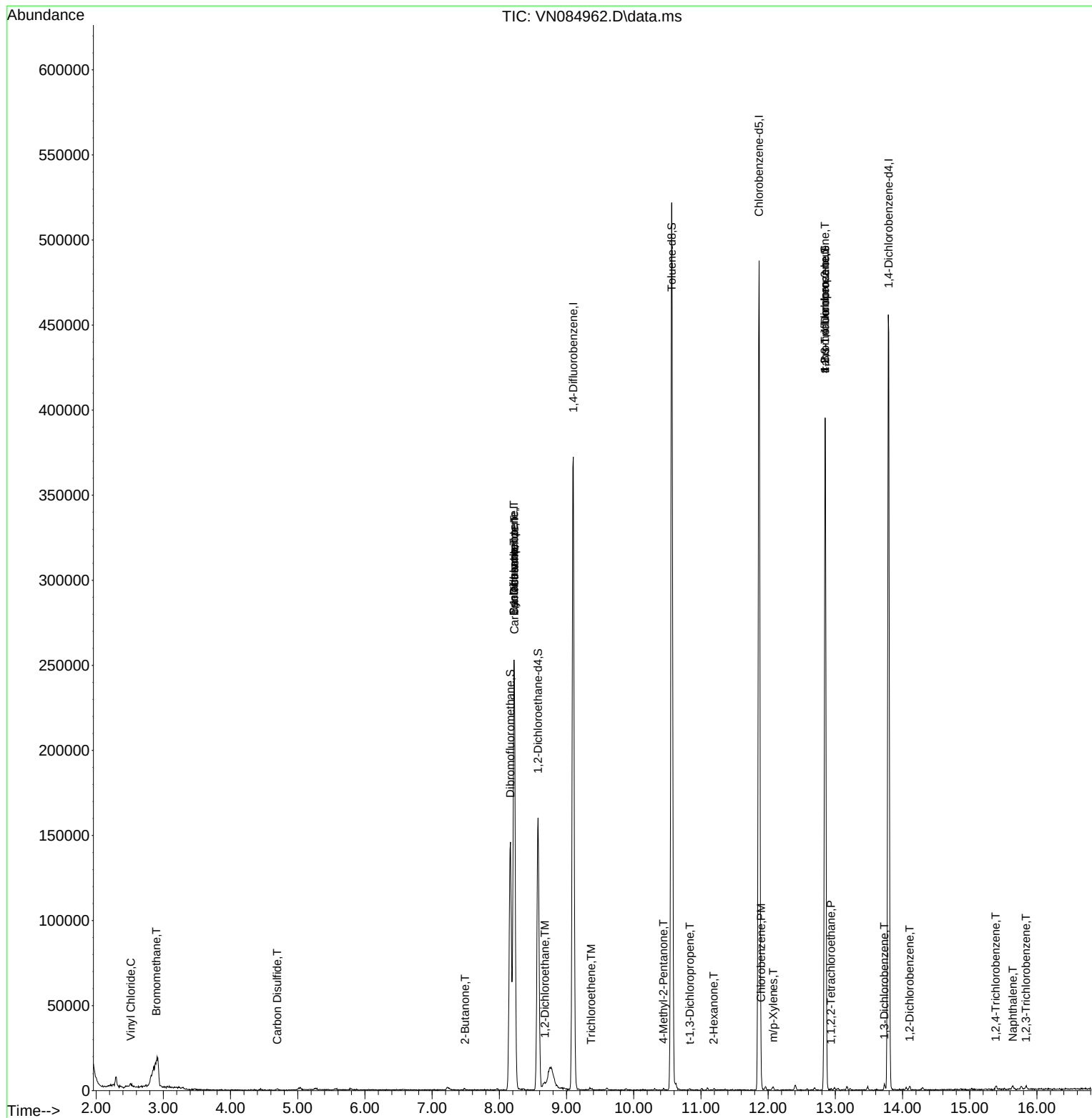
Internal Standards						
1) Pentafluorobenzene	8.218	168	178908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131967	51.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.140%			
35) Dibromofluoromethane	8.165	113	107113	49.531	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	10.565	98	366987	46.068	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.140%			
62) 4-Bromofluorobenzene	12.847	95	138133	46.397	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.800%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	996	Below Cal		90
4) Vinyl Chloride	2.518	62	512	0.231 ug/l #		42
5) Bromomethane	2.895	94	625	0.533 ug/l #		70
6) Chloroethane	3.077	64	358	Below Cal #		34
16) Acetone	4.430	43	130	Below Cal #		44
17) Carbon Disulfide	4.695	76	1770	0.282 ug/l #		75
18) Methyl Acetate	5.012	43	1225	Below Cal #		67
25) 2-Butanone	7.489	43	313	0.260 ug/l #		48
31) Cyclohexane	8.218	56	4509	1.264 ug/l #		6
36) 1,1-Dichloropropene	8.218	75	15456	5.153 ug/l #		50
38) Carbon Tetrachloride	8.224	117	19496	5.816 ug/l #		17
42) 1,2-Dichloroethane	8.677	62	823	0.264 ug/l #		75
43) Isopropyl Acetate	8.665	43	3095	Below Cal #		56
44) Trichloroethene	9.365	130	517	0.233 ug/l		70
51) 4-Methyl-2-Pentanone	10.441	43	1016	0.392 ug/l #		64
53) t-1,3-Dichloropropene	10.835	75	812	0.233 ug/l #		43
59) 2-Hexanone	11.188	43	803	0.425 ug/l #		50
65) Chlorobenzene	11.894	112	1417	0.228 ug/l		95
68) m/p-Xylenes	12.076	106	909	0.232 ug/l		82
75) 1,1,2,2-Tetrachloroethane	12.935	83	674	0.233 ug/l #		46
76) 1,2,3-Trichloropropane	12.847	75	72319	29.261 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	72319	69.419 ug/l #		11
87) 1,3-Dichlorobenzene	13.729	146	1285	0.283 ug/l		90
88) 1,4-Dichlorobenzene	13.729	146	1285	Below Cal		90
91) 1,2-Dichlorobenzene	14.106	146	898	0.206 ug/l		84
93) 1,2,4-Trichlorobenzene	15.388	180	866	0.362 ug/l		91
95) Naphthalene	15.641	128	2920	0.408 ug/l #		88
96) 1,2,3-Trichlorobenzene	15.835	180	871	0.375 ug/l #		84

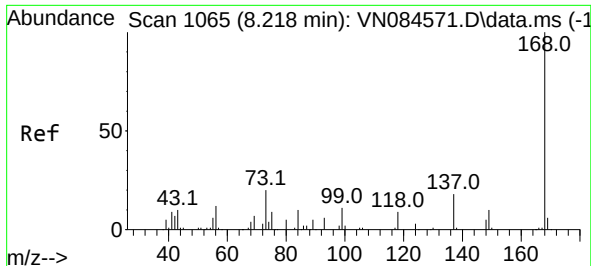
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
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Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
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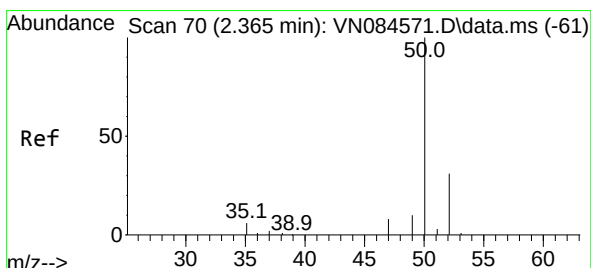
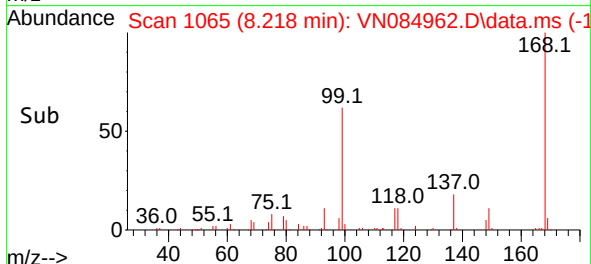
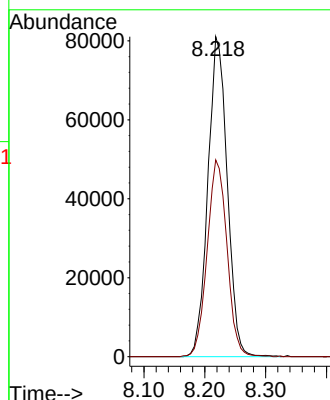
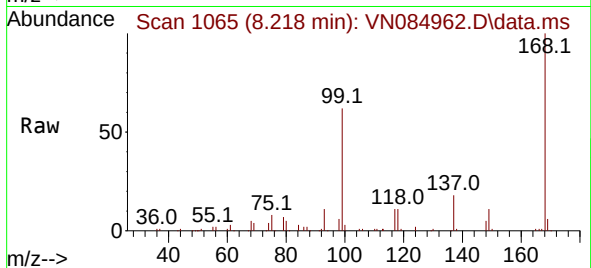




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

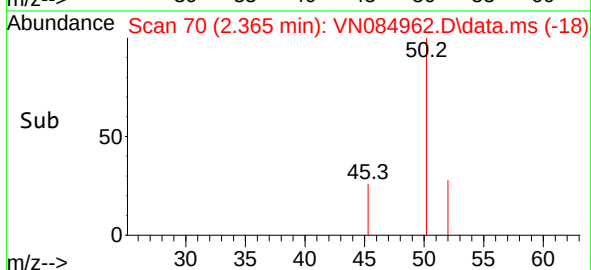
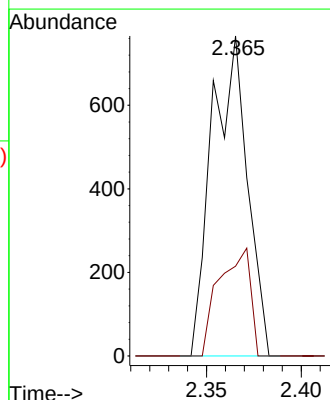
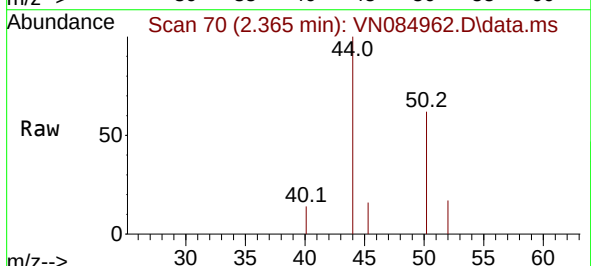
Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

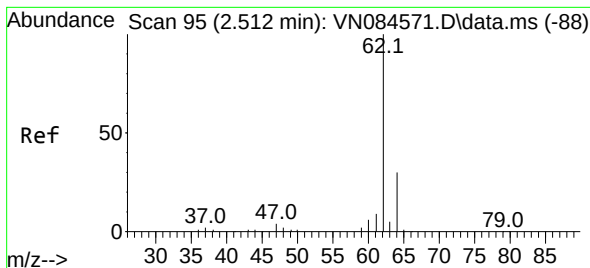
Tgt Ion:168 Resp: 178908
Ion Ratio Lower Upper
168 100
99 61.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 50 Resp: 996
Ion Ratio Lower Upper
50 100
52 28.1 26.8 40.2





#4

Vinyl Chloride

Concen: 0.231 ug/l

RT: 2.518 min Scan# 9

Delta R.T. 0.000 min

Lab File: VN084962.D

Acq: 20 Nov 2024 12:21

Instrument :

MSVOA_N

ClientSampleId :

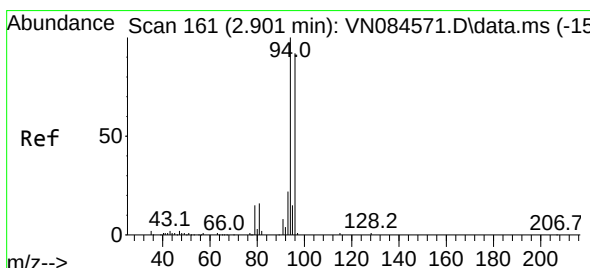
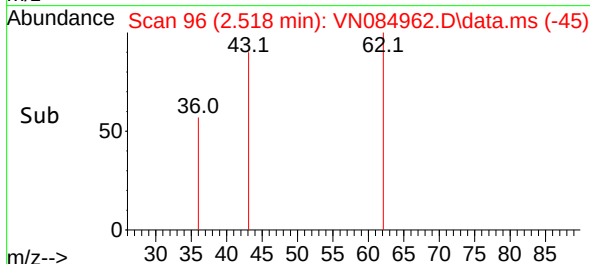
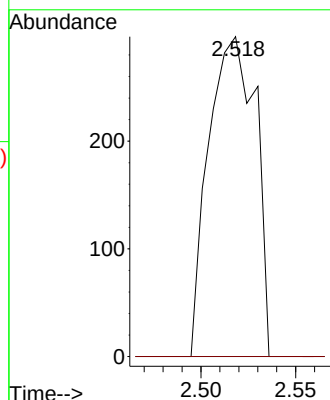
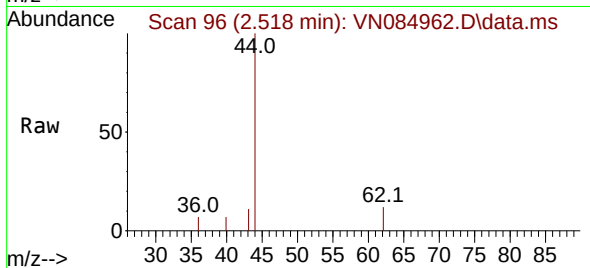
VN1120WBL01

Tgt Ion: 62 Resp: 512

Ion Ratio Lower Upper

62 100

64 0.0 26.2 39.4#



#5

Bromomethane

Concen: 0.533 ug/l

RT: 2.895 min Scan# 160

Delta R.T. -0.058 min

Lab File: VN084962.D

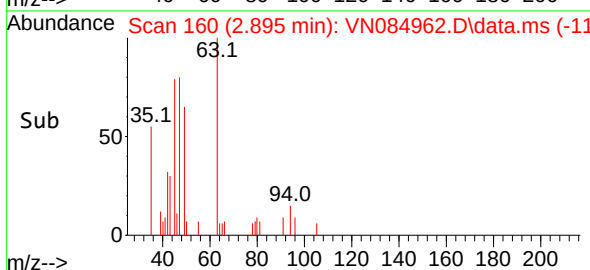
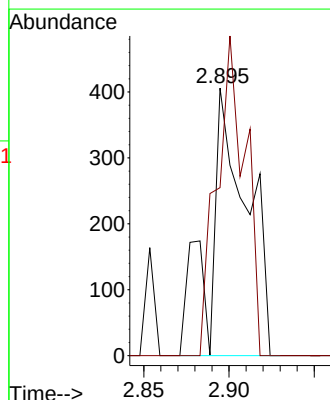
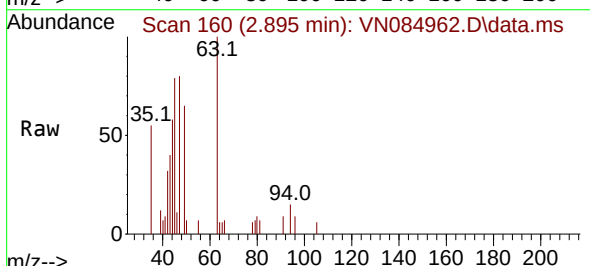
Acq: 20 Nov 2024 12:21

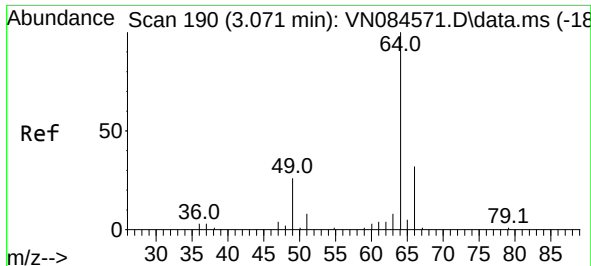
Tgt Ion: 94 Resp: 625

Ion Ratio Lower Upper

94 100

96 62.8 72.9 109.3#

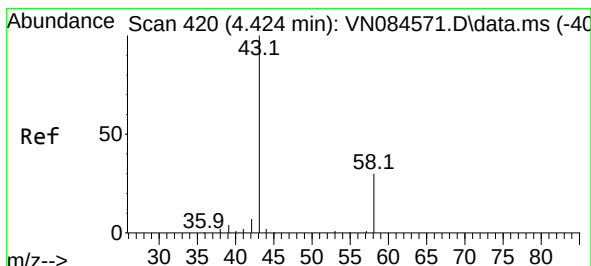
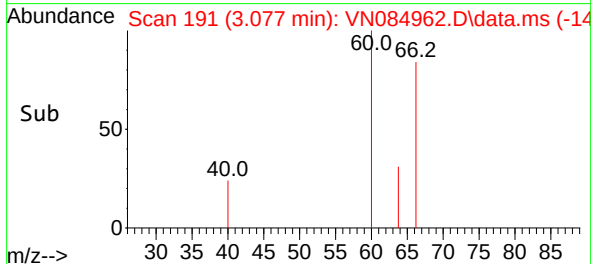
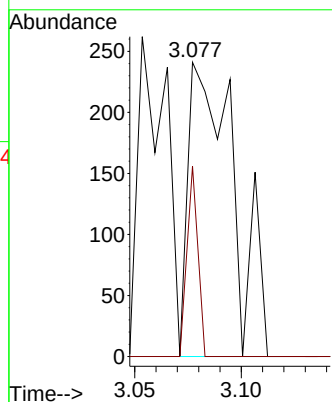
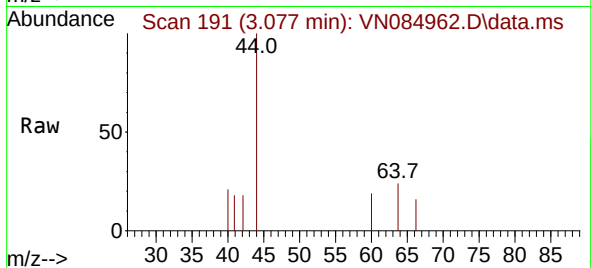




#6
Chloroethane
Concen: Below Cal
RT: 3.077 min Scan# 190
Delta R.T. -0.041 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

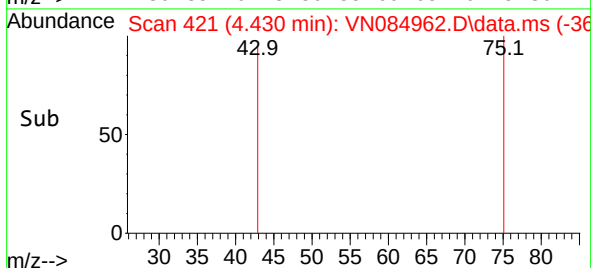
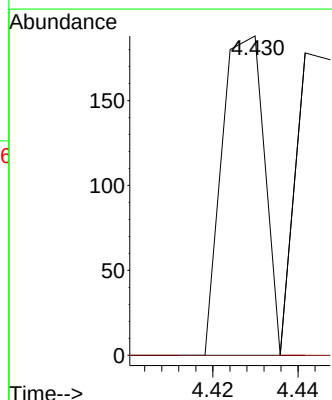
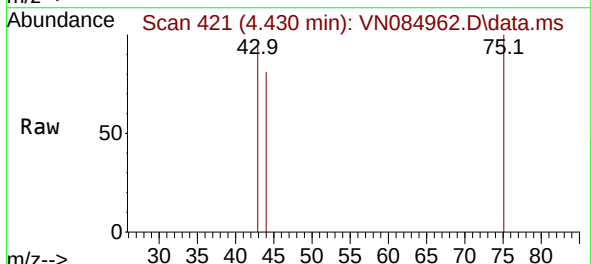
Instrument :
MSVOA_N
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VN1120WBL01

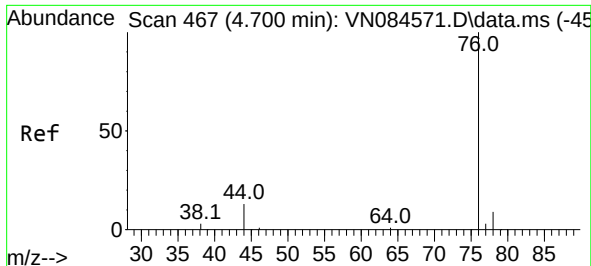
Tgt Ion: 64 Resp: 358
Ion Ratio Lower Upper
64 100
66 64.7 23.5 35.3#



#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#

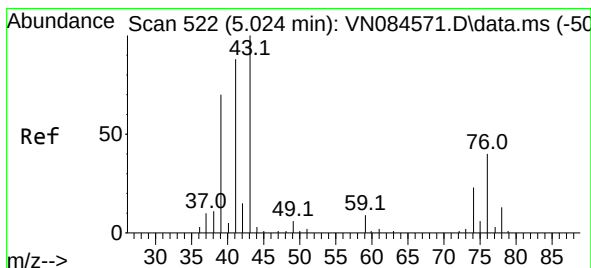
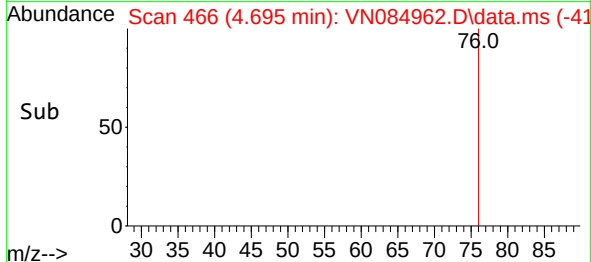
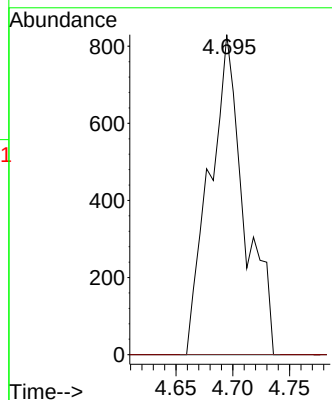
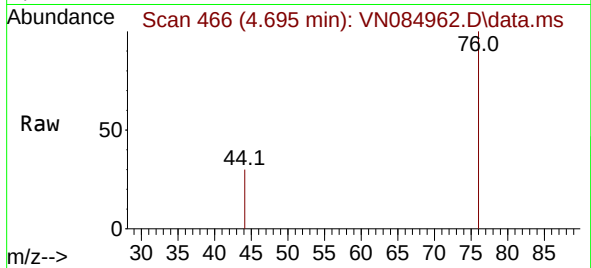




#17
Carbon Disulfide
Concen: 0.282 ug/l
RT: 4.695 min Scan# 41
Delta R.T. -0.017 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

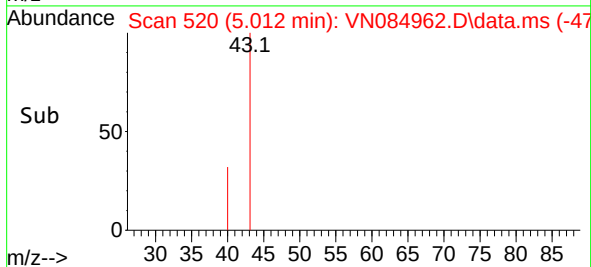
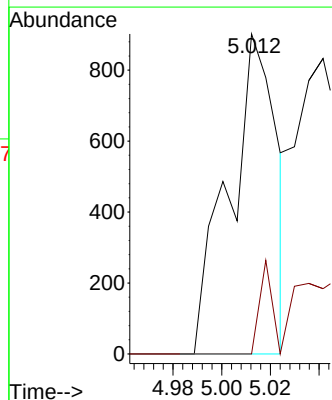
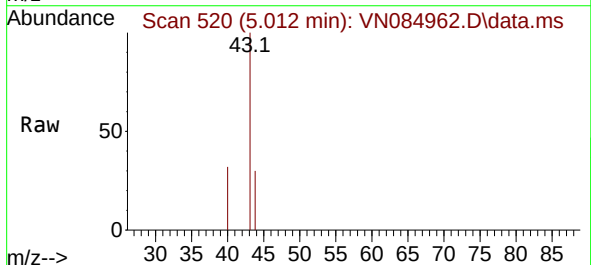
Instrument :
MSVOA_N
ClientSampleId :
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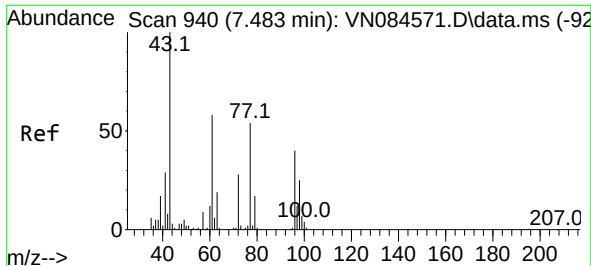
Tgt Ion: 76 Resp: 1770
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 43 Resp: 1225
Ion Ratio Lower Upper
43 100
74 7.6 19.2 28.8#

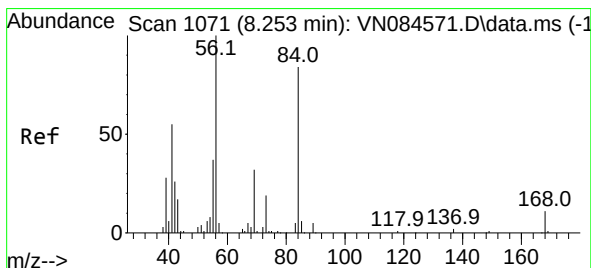
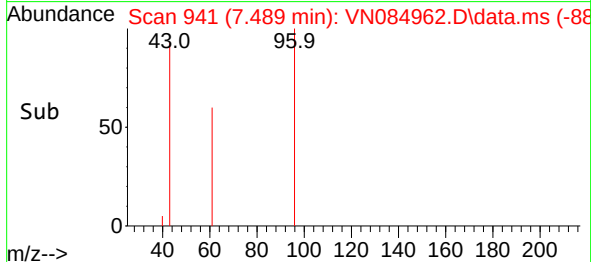
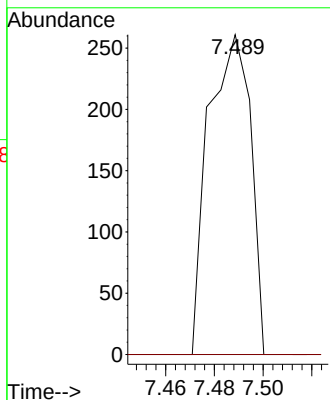
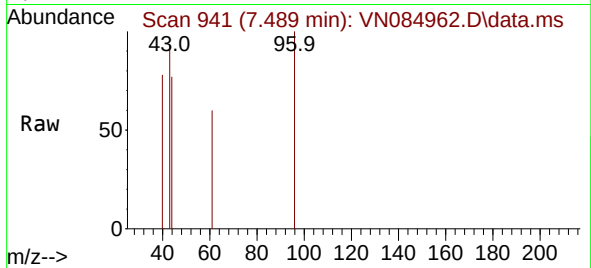




#25
2-Butanone
Concen: 0.260 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

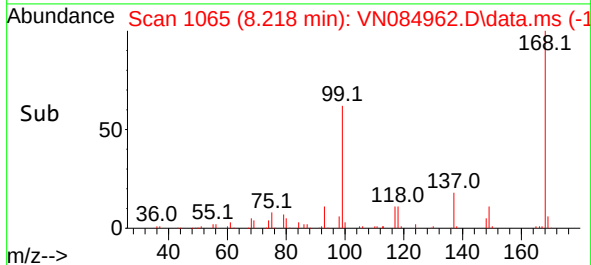
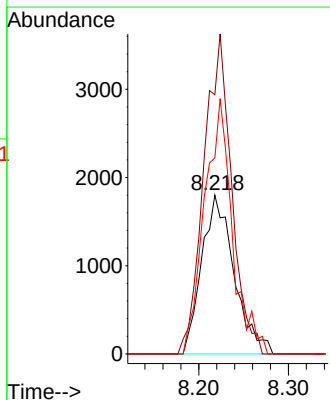
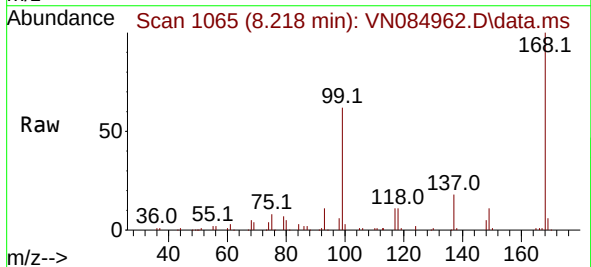
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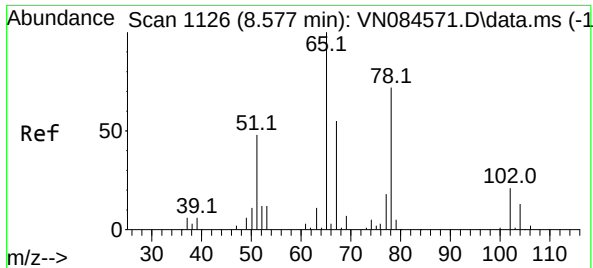
Tgt Ion: 43 Resp: 313
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.264 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 56 Resp: 4509
Ion Ratio Lower Upper
56 100
69 163.1 23.8 35.6#
84 123.4 68.8 103.2#

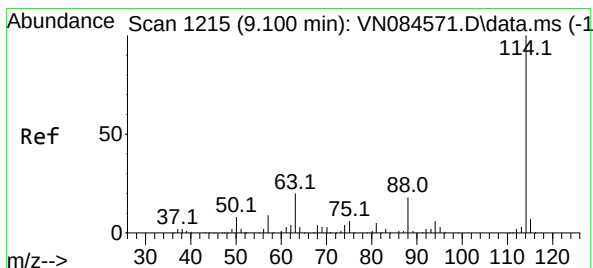
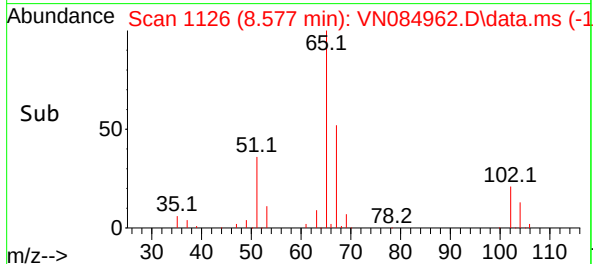
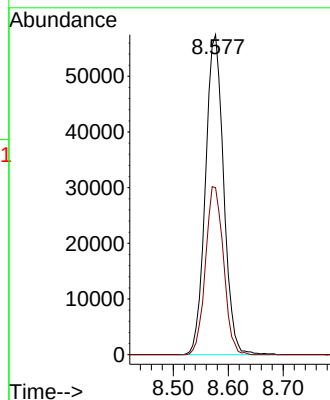
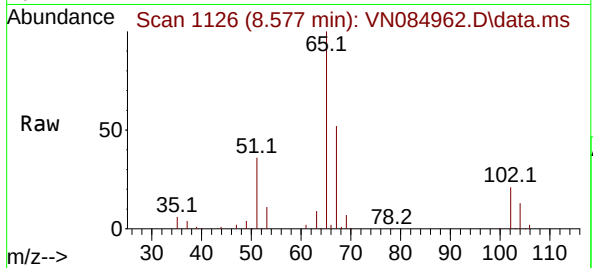




#33
 1,2-Dichloroethane-d4
 Concen: 51.070 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084962.D
 Acq: 20 Nov 2024 12:21

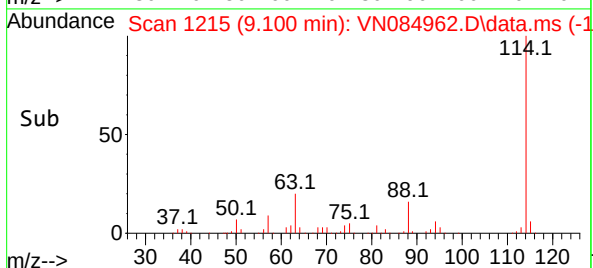
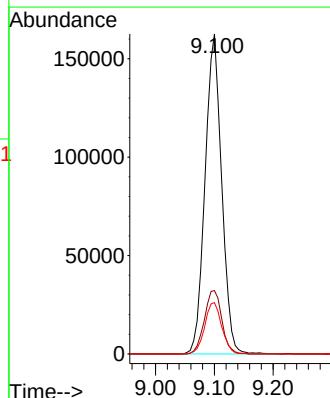
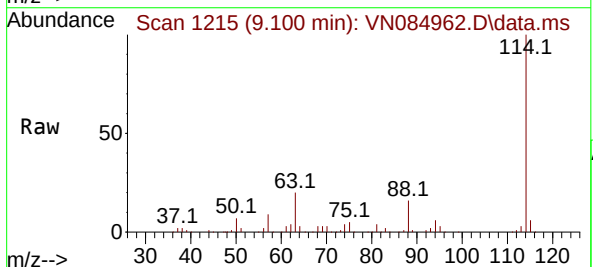
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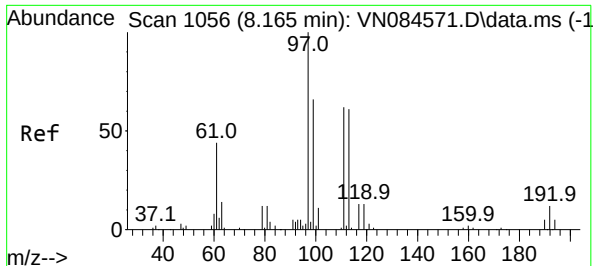
Tgt Ion: 65 Resp: 131967
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084962.D
 Acq: 20 Nov 2024 12:21

Tgt Ion: 114 Resp: 319489
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.8
 88 16.0 0.0 31.6

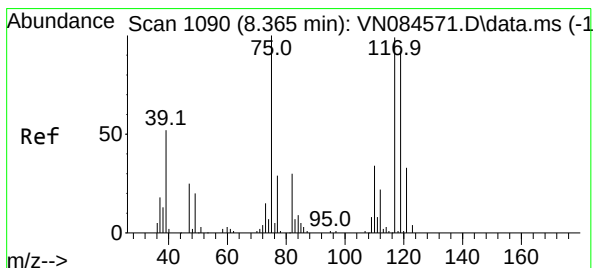
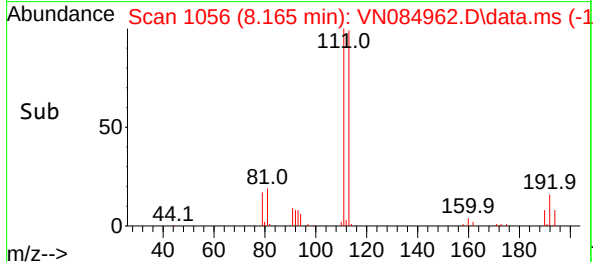
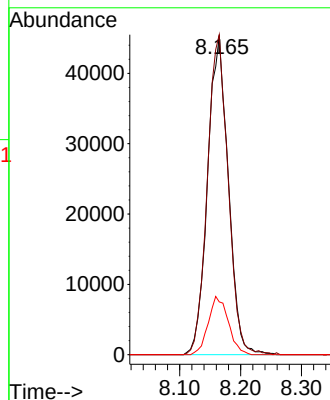
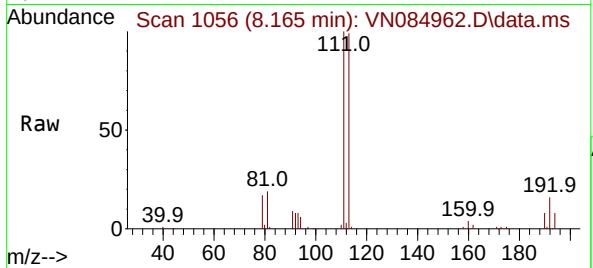




#35
Dibromofluoromethane
Concen: 49.531 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

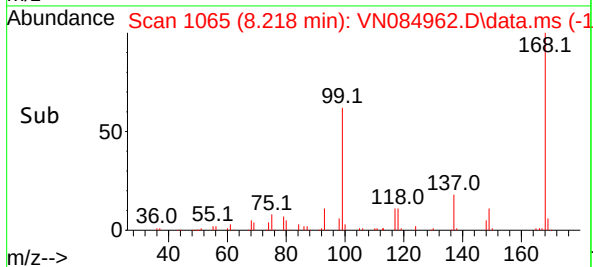
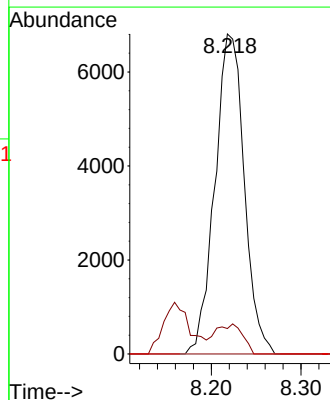
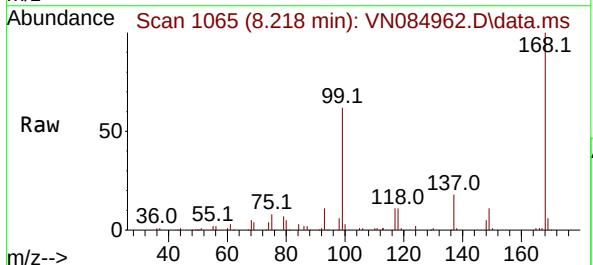
Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

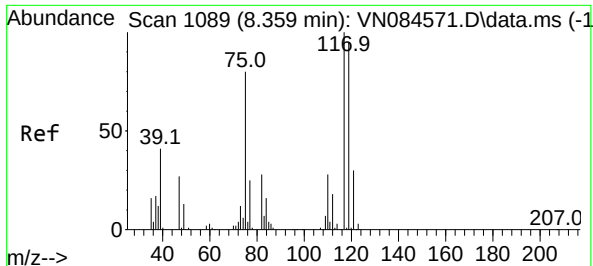
Tgt Ion:113 Resp: 107113
Ion Ratio Lower Upper
113 100
111 100.6 83.3 124.9
192 17.7 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.153 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 75 Resp: 15456
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.7#
77 0.0 24.7 37.1#

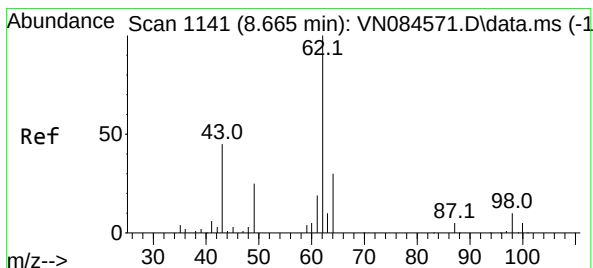
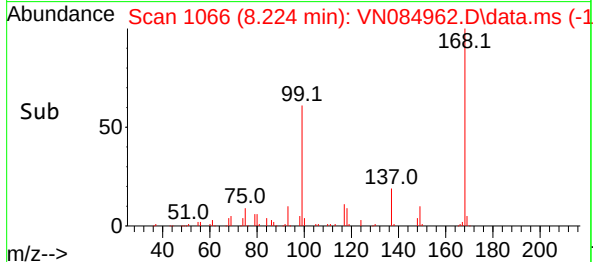
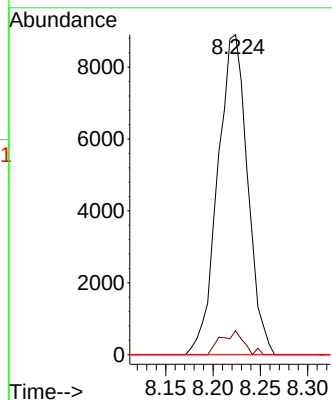
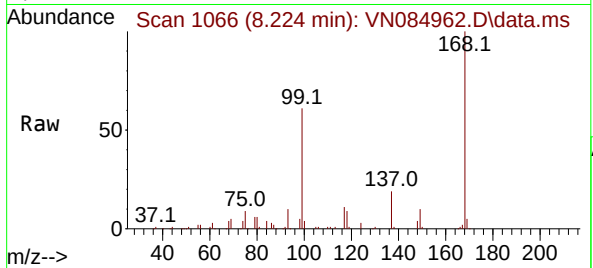




#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

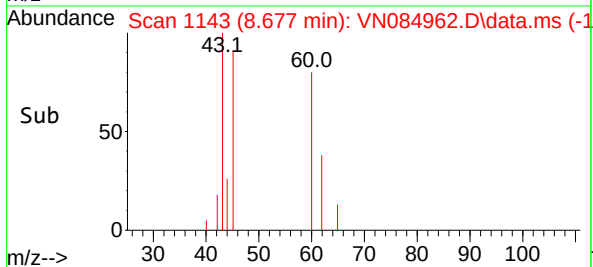
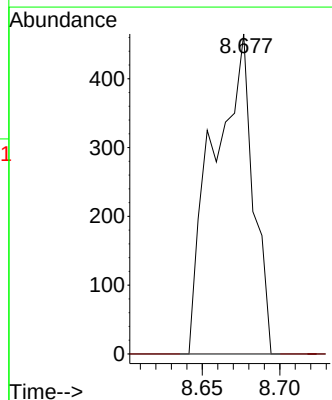
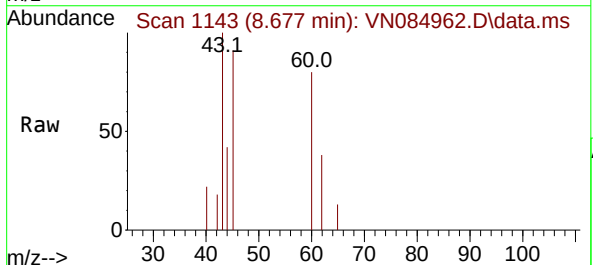
Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

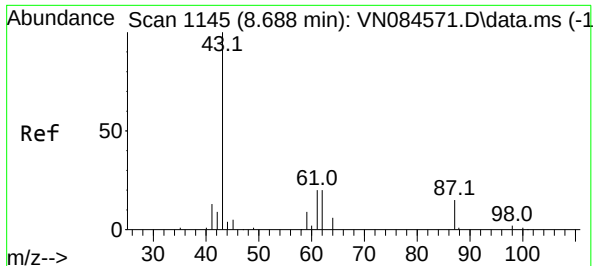
Tgt Ion:117 Resp: 19496
Ion Ratio Lower Upper
117 100
119 7.5 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.264 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 62 Resp: 823
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.665 min Scan# 1145

Delta R.T. -0.023 min

Lab File: VN084962.D

Acq: 20 Nov 2024 12:21

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBL01

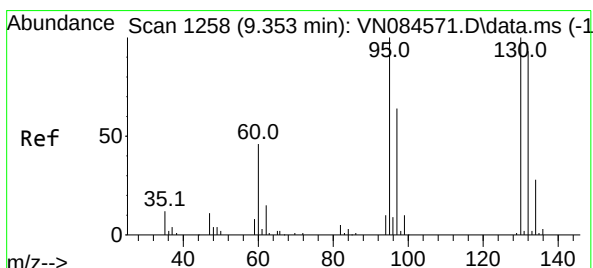
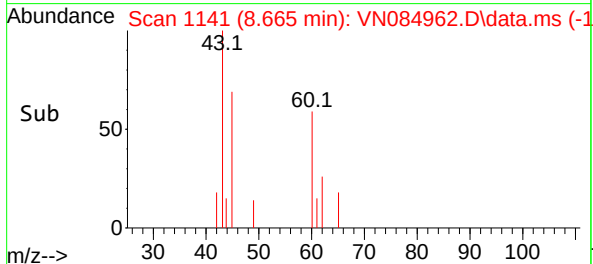
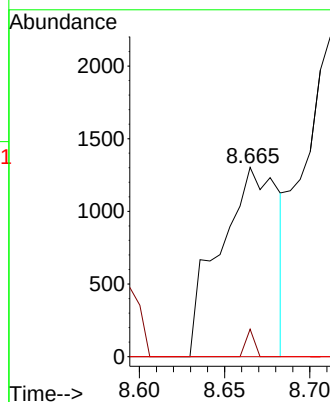
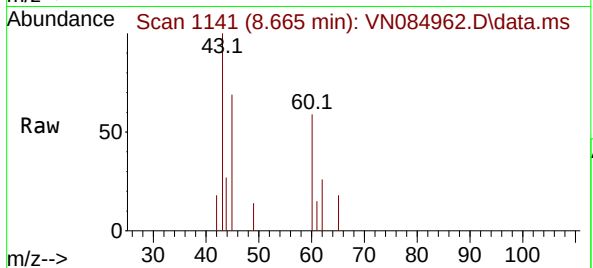
Tgt Ion: 43 Resp: 3095

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#44

Trichloroethene

Concen: 0.233 ug/l

RT: 9.365 min Scan# 1260

Delta R.T. 0.018 min

Lab File: VN084962.D

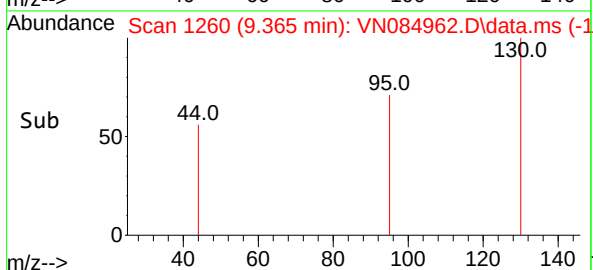
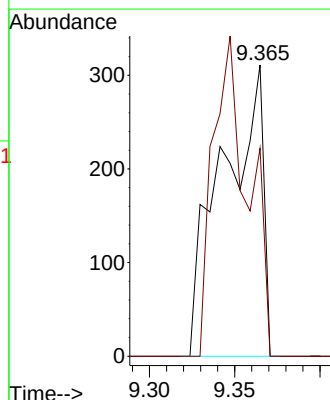
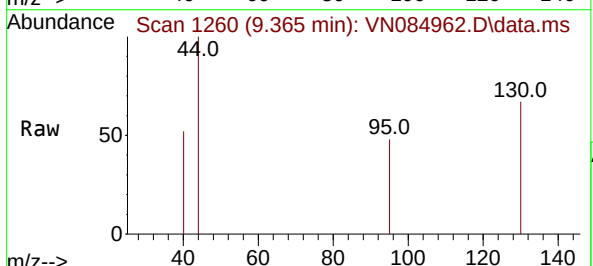
Acq: 20 Nov 2024 12:21

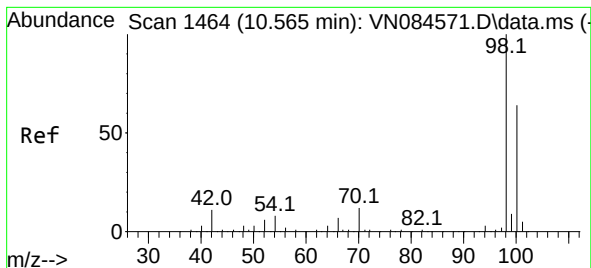
Tgt Ion:130 Resp: 517

Ion Ratio Lower Upper

130 100

95 71.4 0.0 203.0

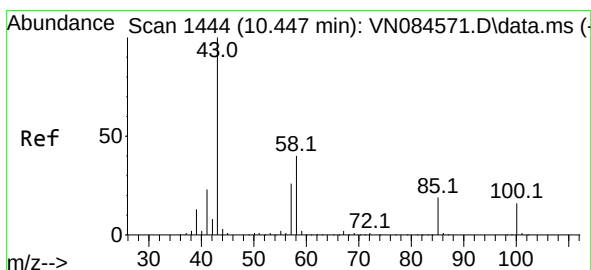
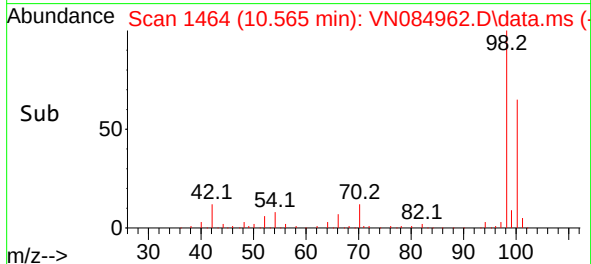
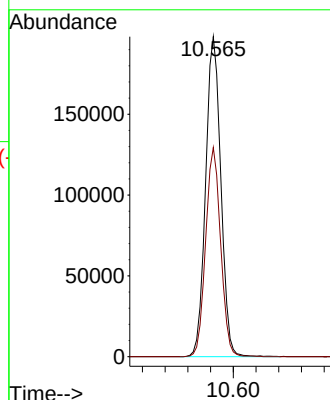
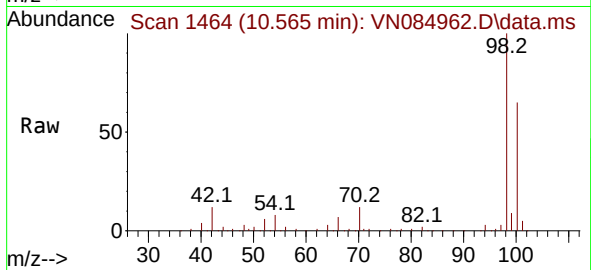




#50
Toluene-d8
Concen: 46.068 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

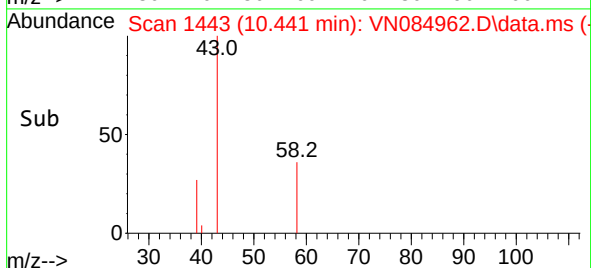
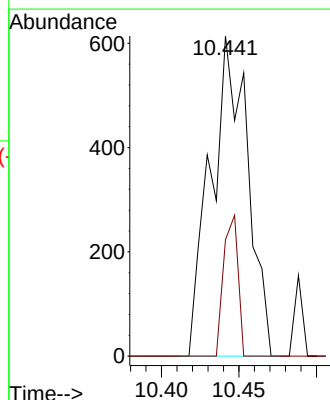
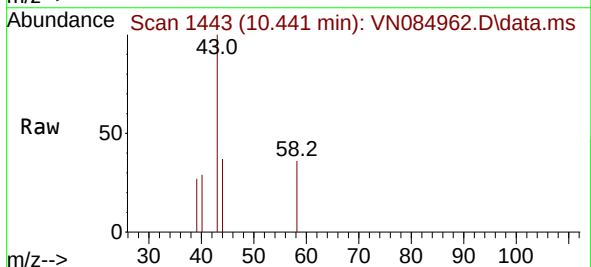
Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

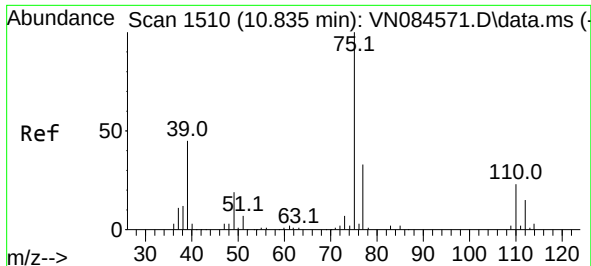
Tgt Ion: 98 Resp: 366987
Ion Ratio Lower Upper
98 100
100 64.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.392 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
58 17.1 31.6 47.4#

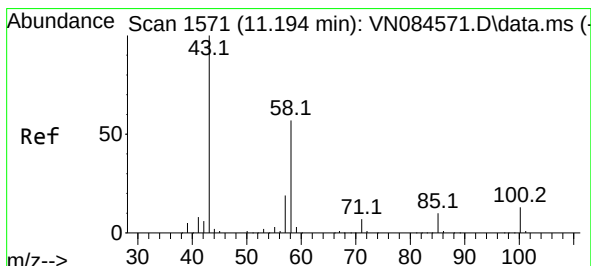
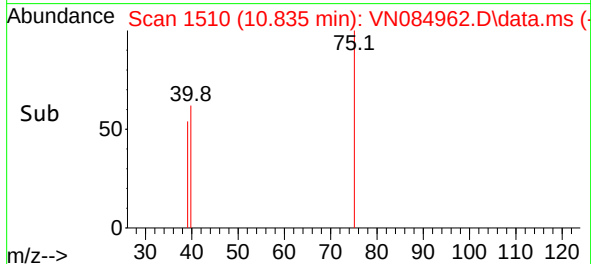
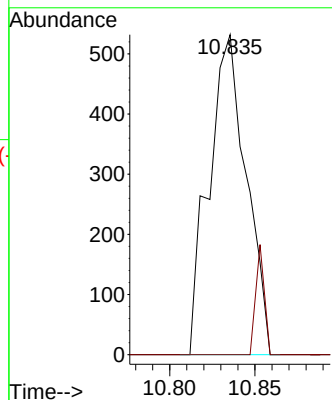
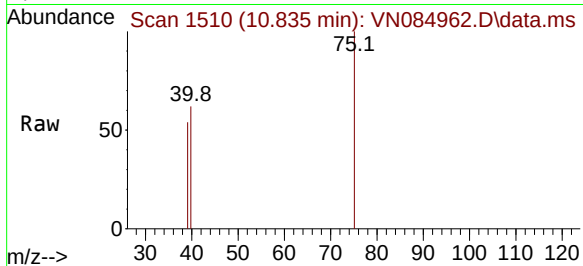




#53
t-1,3-Dichloropropene
Concen: 0.233 ug/l
RT: 10.835 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

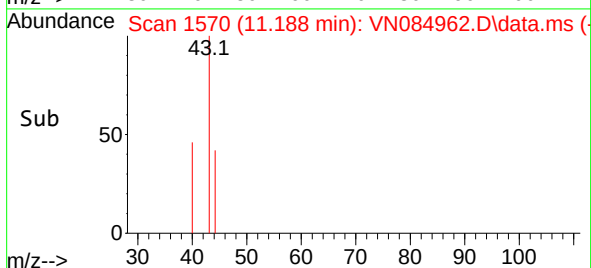
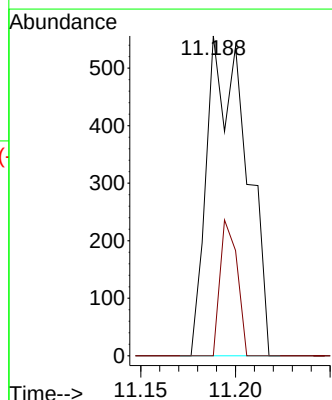
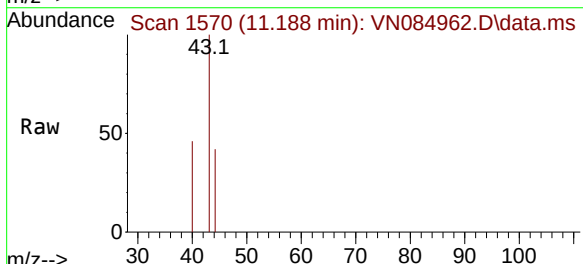
Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

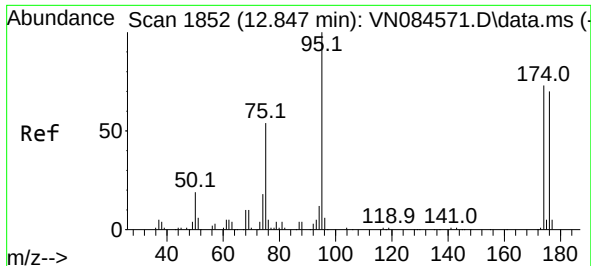
Tgt Ion: 75 Resp: 812
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#59
2-Hexanone
Concen: 0.425 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
58 18.4 27.3 81.8#

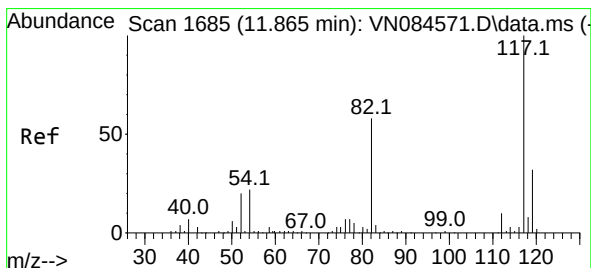
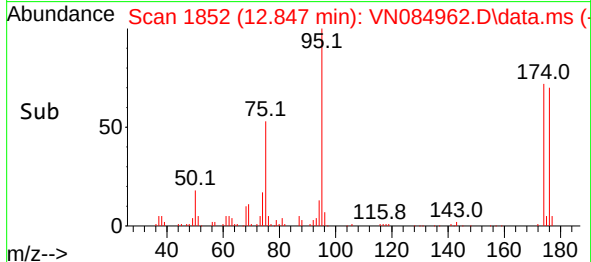
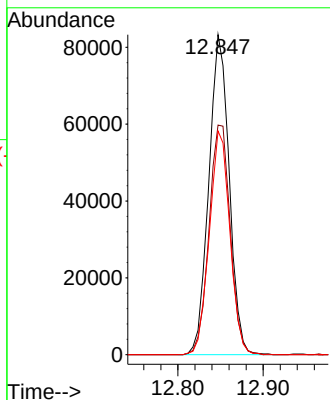
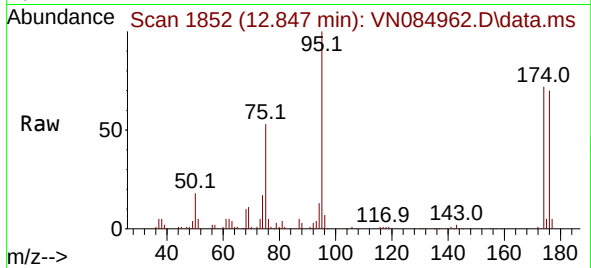




#62
4-Bromofluorobenzene
Concen: 46.397 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

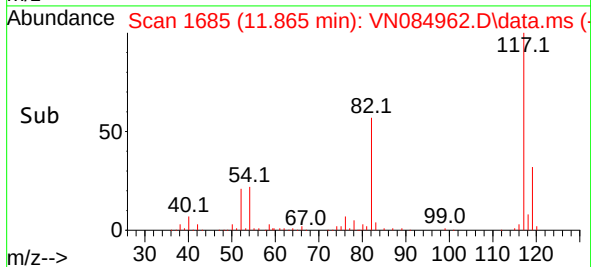
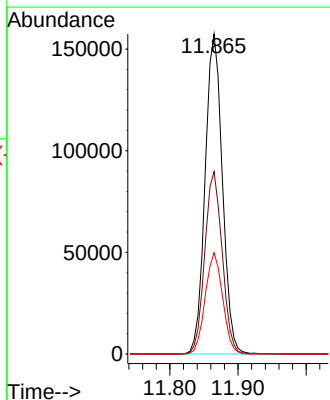
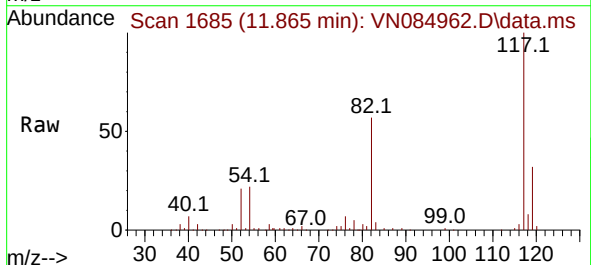
Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

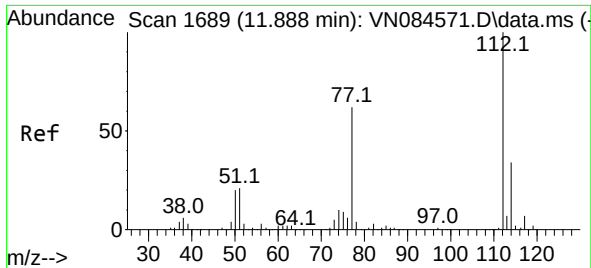
Tgt Ion: 95 Resp: 138133
Ion Ratio Lower Upper
95 100
174 74.9 0.0 145.2
176 70.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 117 Resp: 277659
Ion Ratio Lower Upper
117 100
82 57.0 47.2 70.8
119 31.7 25.4 38.0

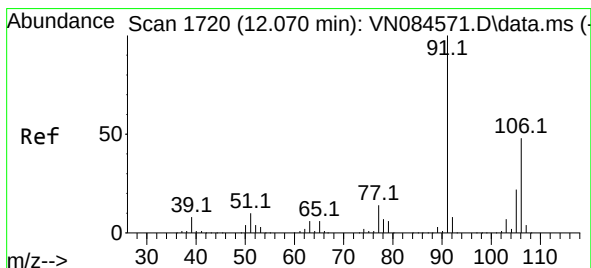
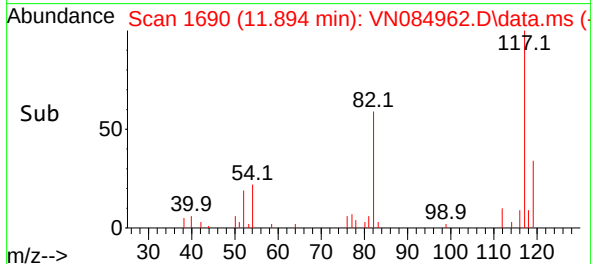
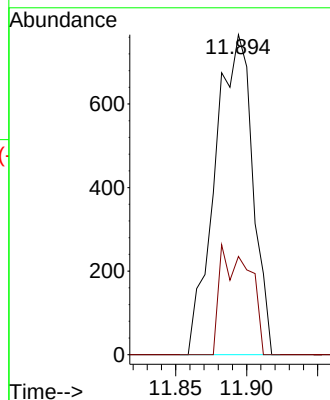
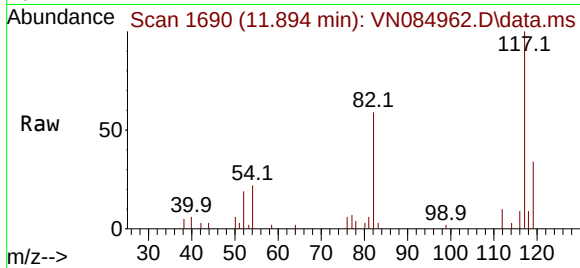




#65
Chlorobenzene
Concen: 0.228 ug/l
RT: 11.894 min Scan# 1189
Delta R.T. 0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

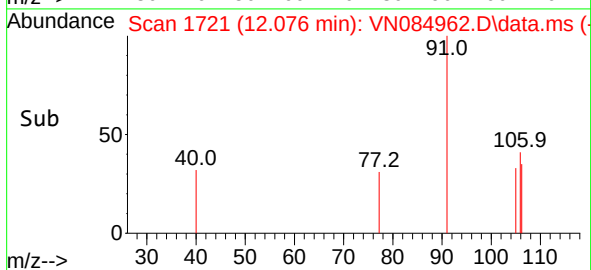
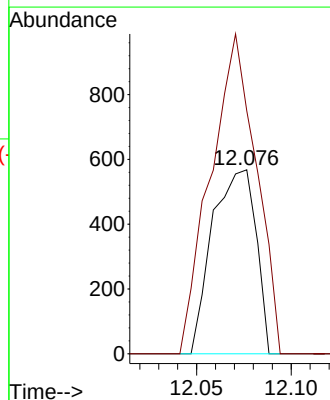
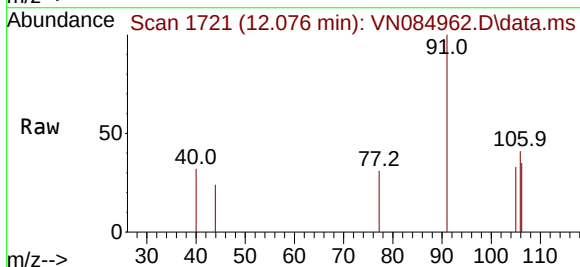
Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

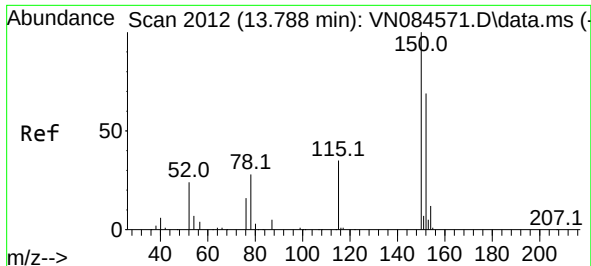
Tgt Ion:112 Resp: 1417
Ion Ratio Lower Upper
112 100
114 30.7 27.0 40.6



#68
m/p-Xylenes
Concen: 0.232 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:106 Resp: 909
Ion Ratio Lower Upper
106 100
91 181.6 167.1 250.7

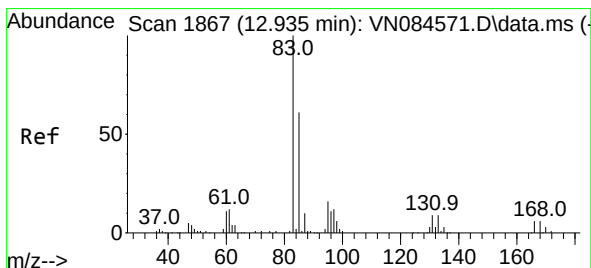
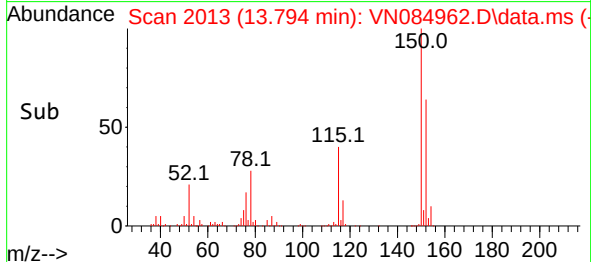
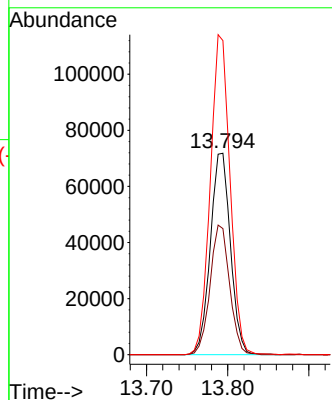
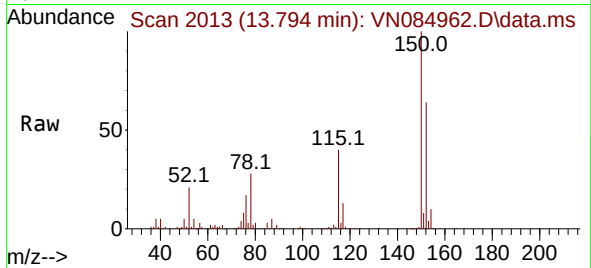




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: VN084962.D
 Acq: 20 Nov 2024 12:21

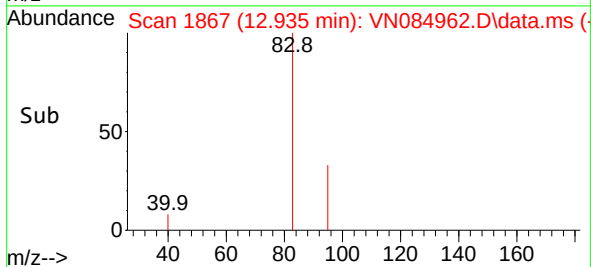
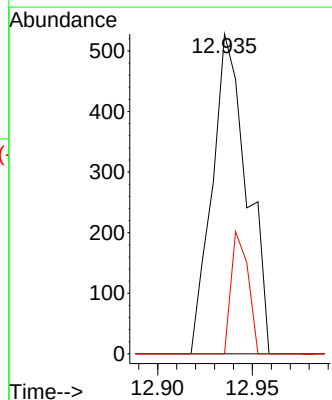
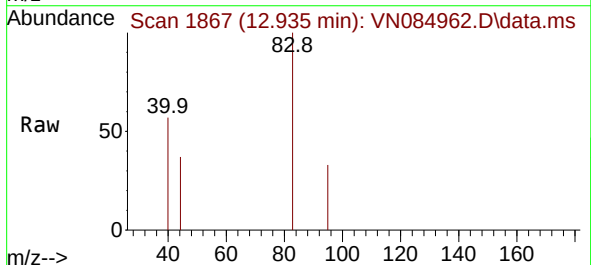
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBL01

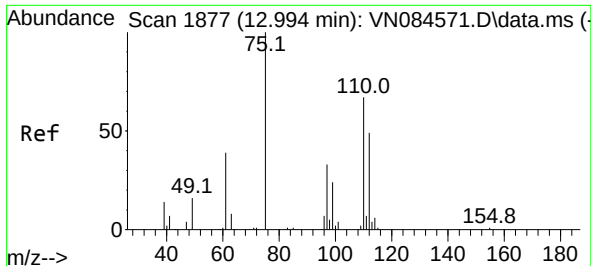
Tgt Ion:152 Resp: 123641
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.3 93.9
 150 155.7 0.0 349.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.233 ug/l
 RT: 12.935 min Scan# 1867
 Delta R.T. 0.000 min
 Lab File: VN084962.D
 Acq: 20 Nov 2024 12:21

Tgt Ion: 83 Resp: 674
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.9 14.7#
 85 18.5 31.9 95.7#

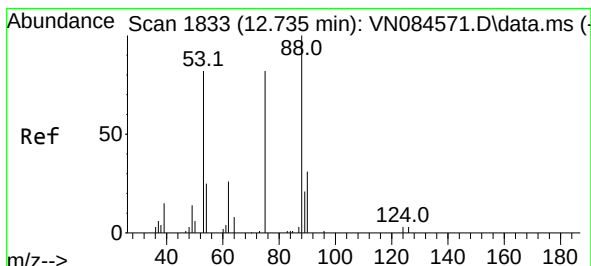
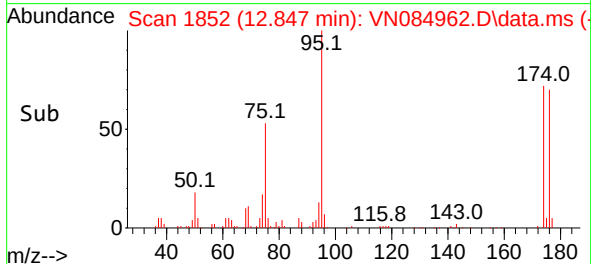
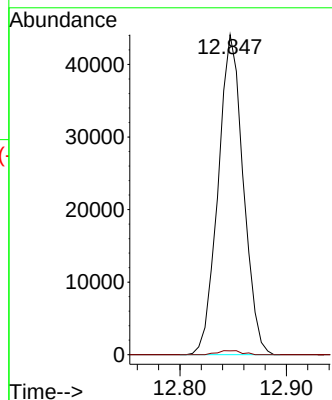
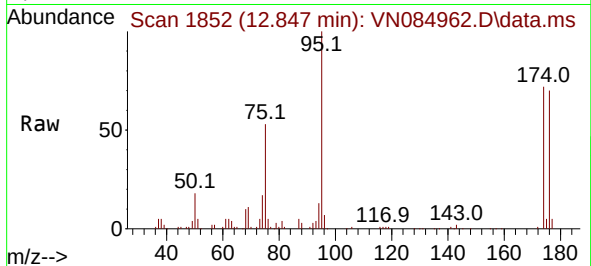




#76
1,2,3-Trichloropropane
Concen: 29.261 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

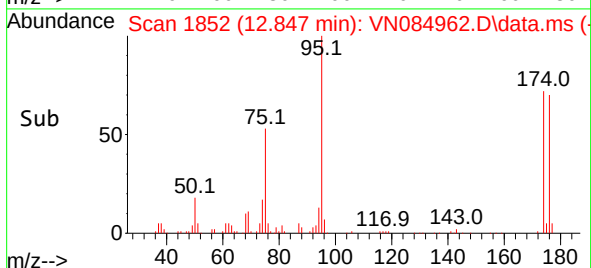
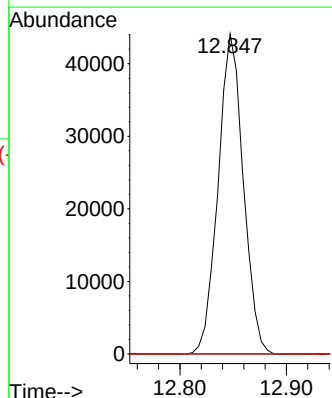
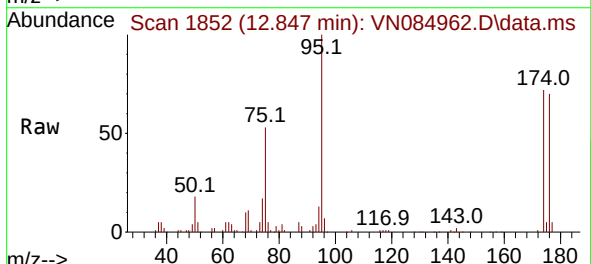
Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

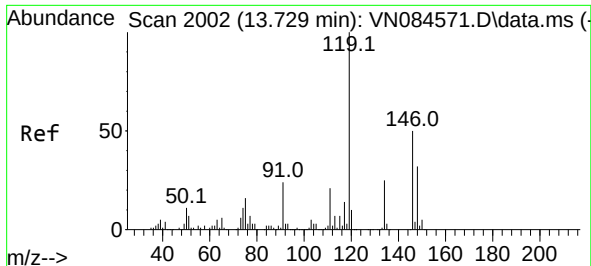
Tgt Ion: 75 Resp: 72319
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.419 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 75 Resp: 72319
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

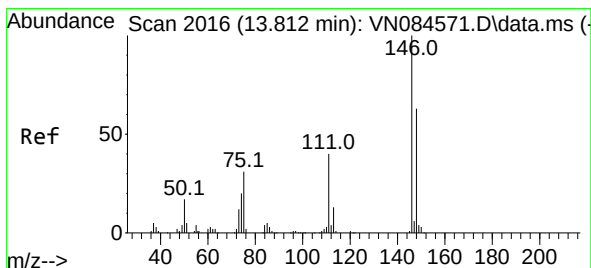
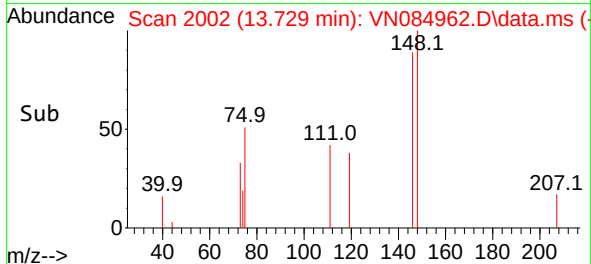
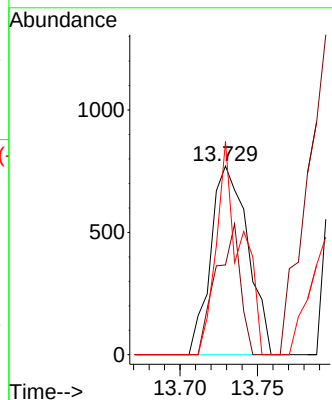
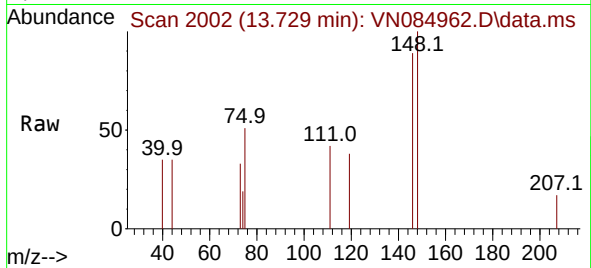




#87
1,3-Dichlorobenzene
Concen: 0.283 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

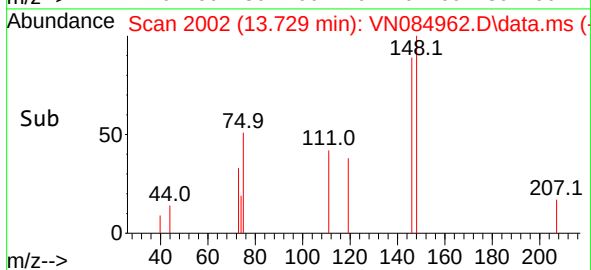
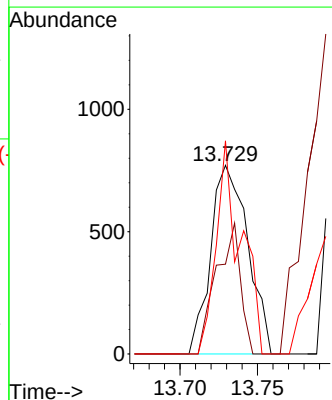
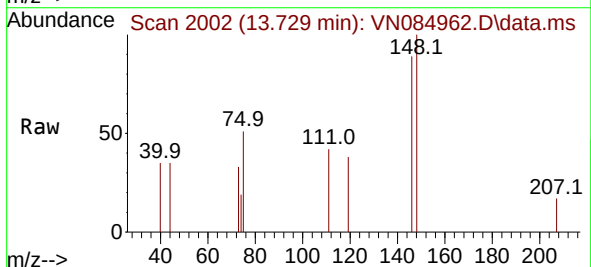
Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

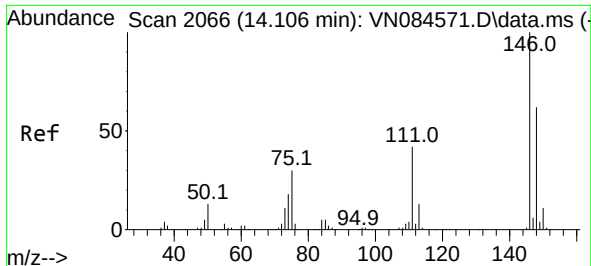
Tgt Ion:146 Resp: 1285
Ion Ratio Lower Upper
146 100
111 44.8 21.8 65.3
148 75.5 31.9 95.7



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.729 min Scan# 2002
Delta R.T. -0.083 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:146 Resp: 1285
Ion Ratio Lower Upper
146 100
111 44.8 21.2 63.6
148 75.5 31.9 95.9

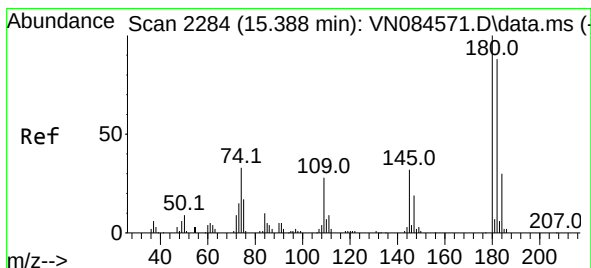
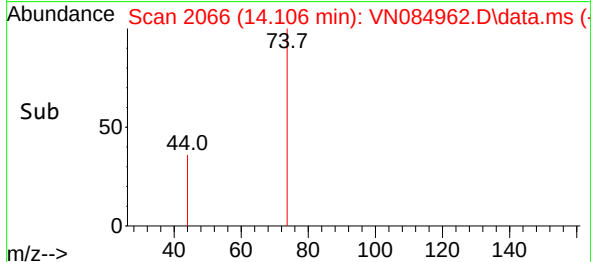
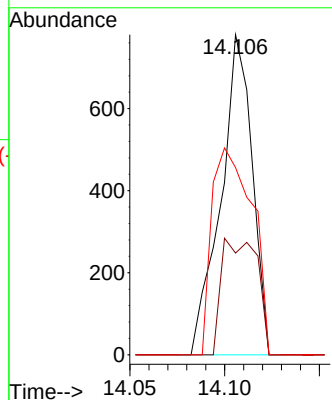
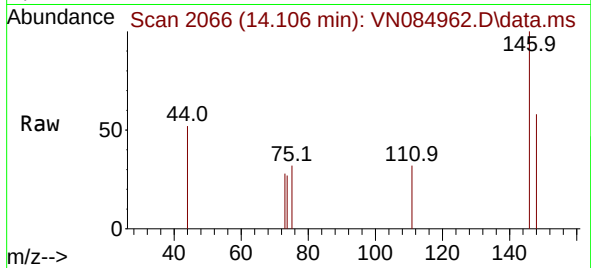




#91
1,2-Dichlorobenzene
Concen: 0.206 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

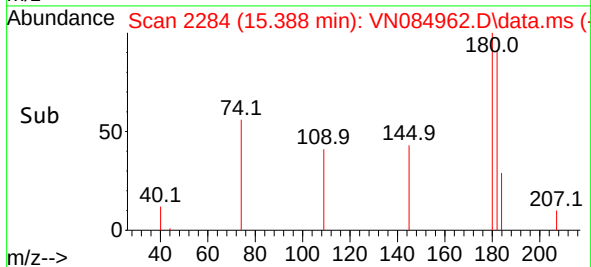
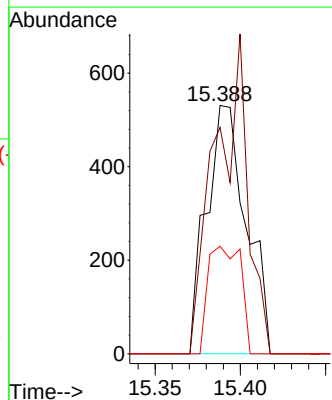
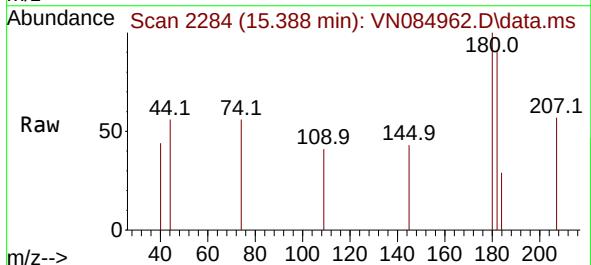
Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

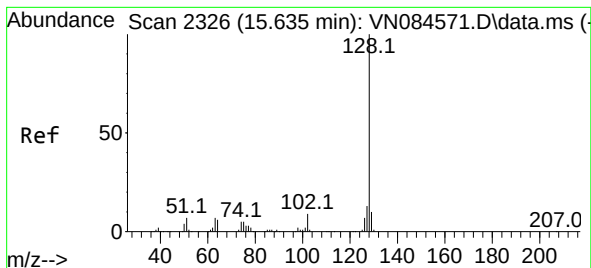
Tgt Ion:146 Resp: 898
Ion Ratio Lower Upper
146 100
111 41.1 22.0 66.0
148 83.1 32.1 96.3



#93
1,2,4-Trichlorobenzene
Concen: 0.362 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:180 Resp: 866
Ion Ratio Lower Upper
180 100
182 104.2 47.0 141.0
145 35.5 16.4 49.4





#95

Naphthalene

Concen: 0.408 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084962.D

Acq: 20 Nov 2024 12:21

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBL01

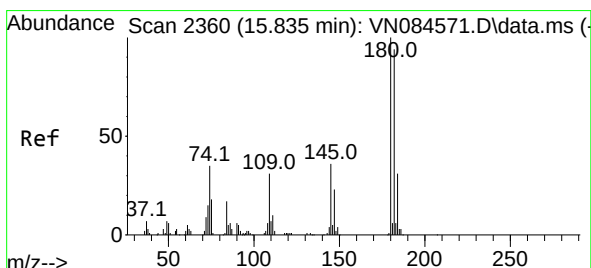
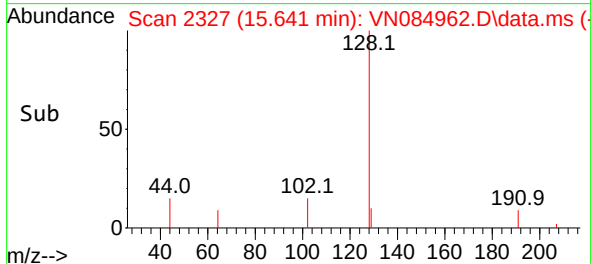
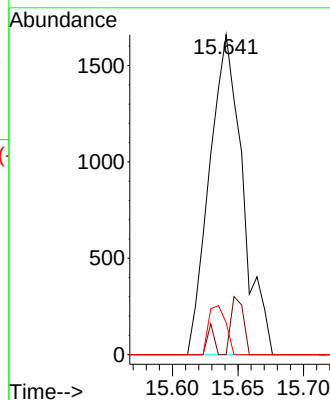
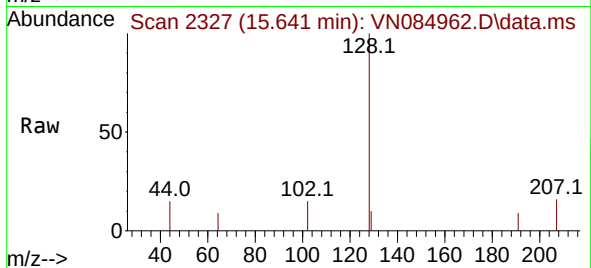
Tgt Ion:128 Resp: 2920

Ion Ratio Lower Upper

128 100

127 6.7 10.5 15.7#

129 8.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.375 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN084962.D

Acq: 20 Nov 2024 12:21

Tgt Ion:180 Resp: 871

Ion Ratio Lower Upper

180 100

182 106.0 48.2 144.6

145 16.0 17.3 51.9#

