

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
 Data File : VN084293.D
 Acq On : 03 Oct 2024 13:04
 Operator : JC\MD
 Sample : P4226-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP09-20240925

Quant Time: Oct 04 01:33:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

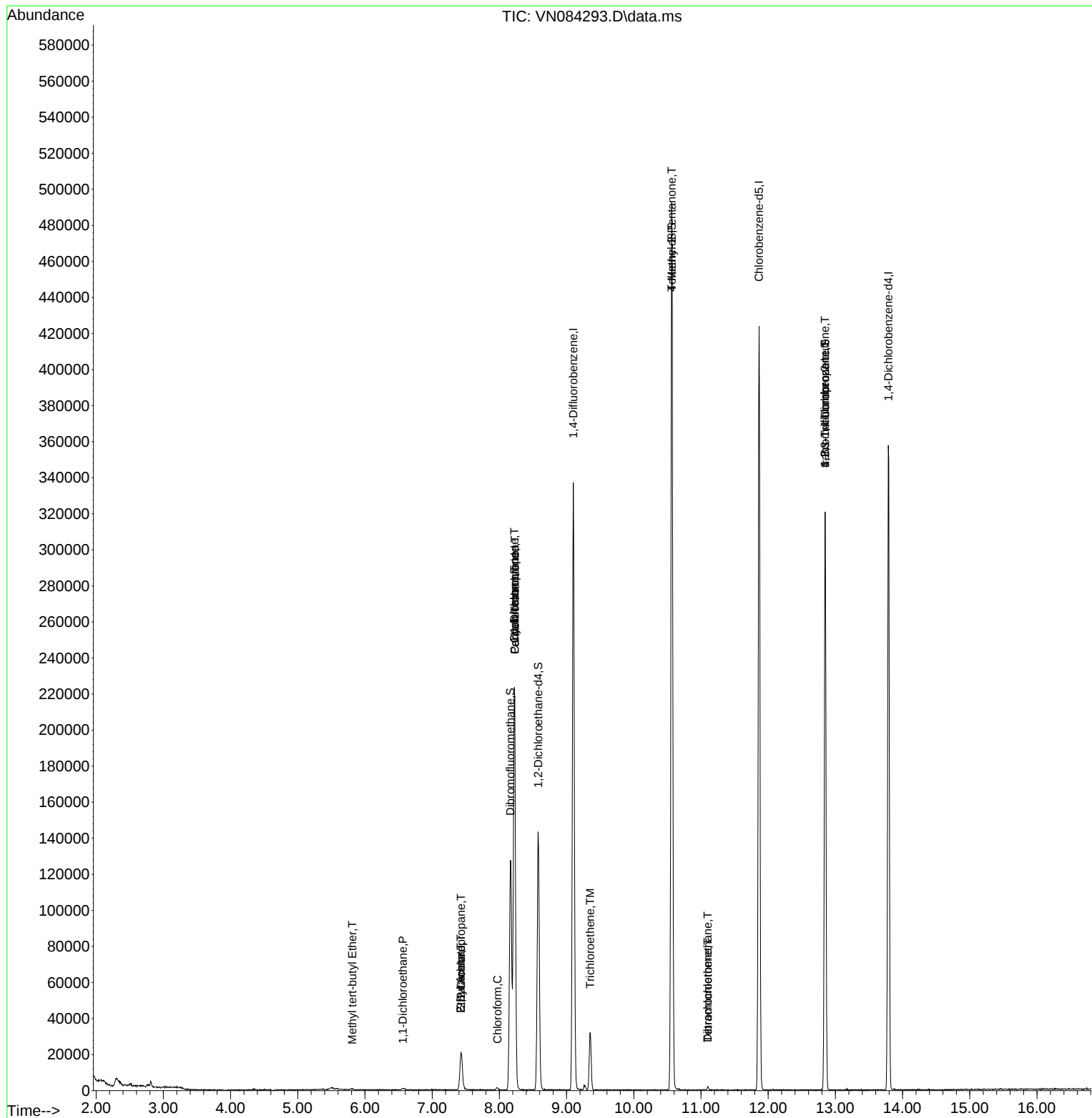
Internal Standards						
1) Pentafluorobenzene	8.229	168	158047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	116130	49.557	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.120%
35) Dibromofluoromethane	8.165	113	92475	51.008	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.020%
50) Toluene-d8	10.565	98	336522	50.453	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.900%
62) 4-Bromofluorobenzene	12.847	95	112113	46.138	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.280%
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	5.812	73	1415	0.236	ug/l #	54
24) 1,1-Dichloroethane	6.565	63	1840	0.515	ug/l #	83
25) 2-Butanone	7.424	43	977	0.713	ug/l #	48
26) 2,2-Dichloropropane	7.430	77	1473	0.457	ug/l #	54
30) Chloroform	7.971	83	1119	0.301	ug/l	92
31) Cyclohexane	8.224	56	3600	1.037	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14219	5.400	ug/l #	50
37) Ethyl Acetate	7.424	43	977	0.362	ug/l #	1
38) Carbon Tetrachloride	8.229	117	17924	6.205	ug/l #	14
44) Trichloroethene	9.353	130	11925	6.223	ug/l	97
51) 4-Methyl-2-Pentanone	10.565	43	1365	0.531	ug/l #	1
60) Dibromochloromethane	11.100	129	579	0.273	ug/l #	11
64) Tetrachloroethene	11.100	164	454	0.277	ug/l #	79
76) 1,2,3-Trichloropropane	12.847	75	59133	30.756	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59133	73.736	ug/l #	11

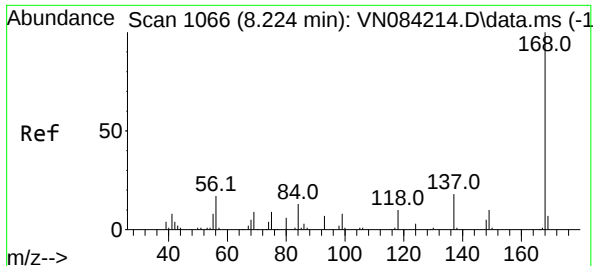
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 01 07:11:01 2024
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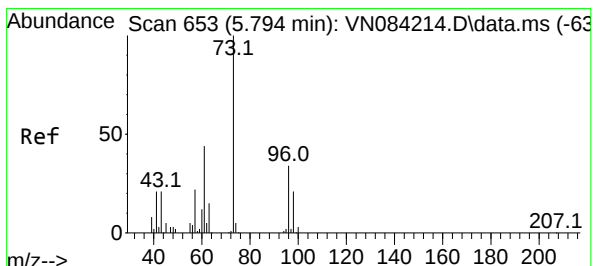
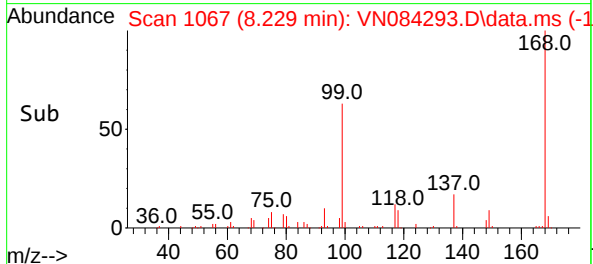
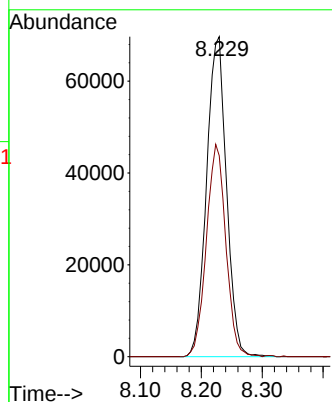
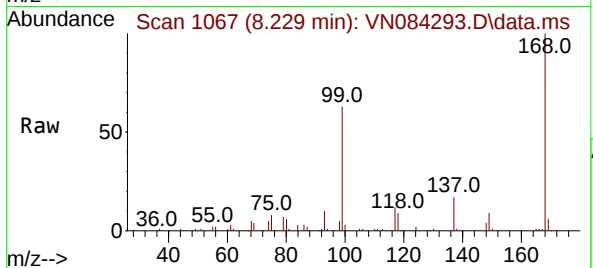




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

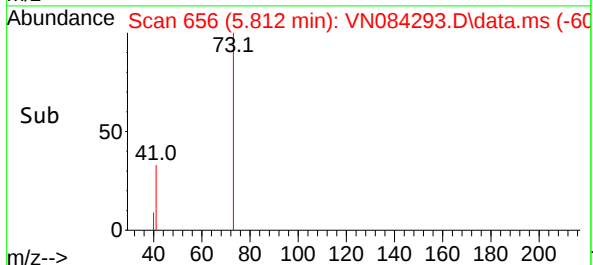
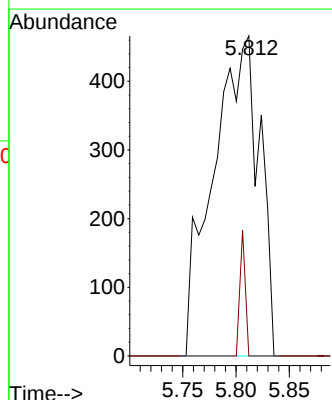
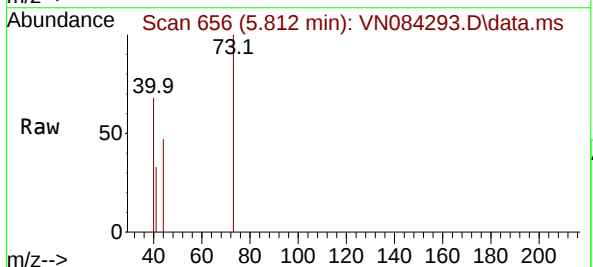
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240925

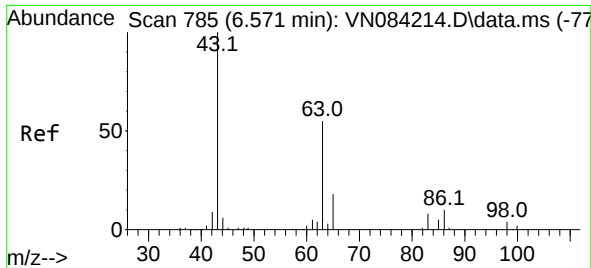
Tgt Ion:168 Resp: 158047
Ion Ratio Lower Upper
168 100
99 62.8 54.2 81.2



#19
Methyl tert-butyl Ether
Concen: 0.236 ug/l
RT: 5.812 min Scan# 656
Delta R.T. 0.018 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

Tgt Ion: 73 Resp: 1415
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#

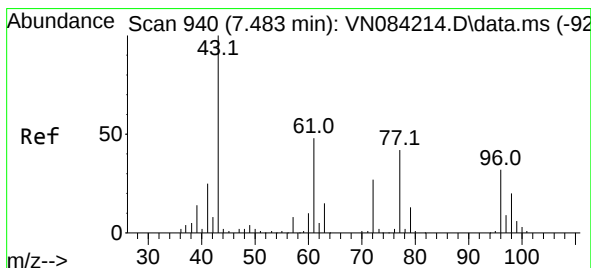
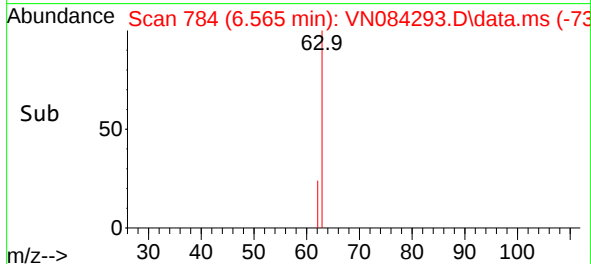
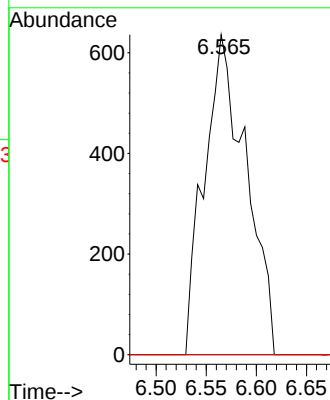
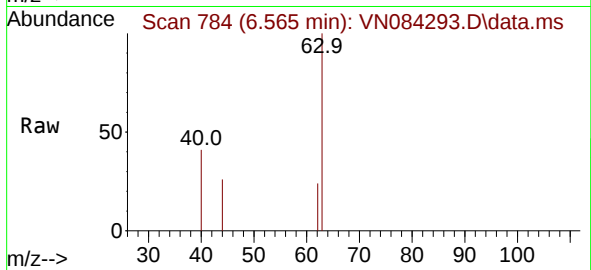




#24
1,1-Dichloroethane
Concen: 0.515 ug/l
RT: 6.565 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

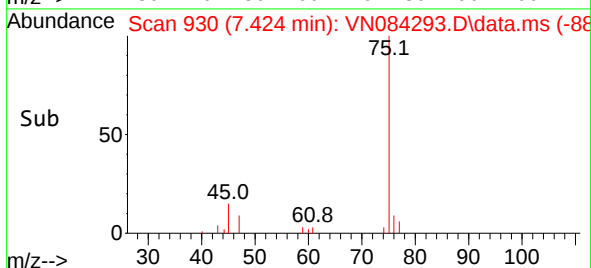
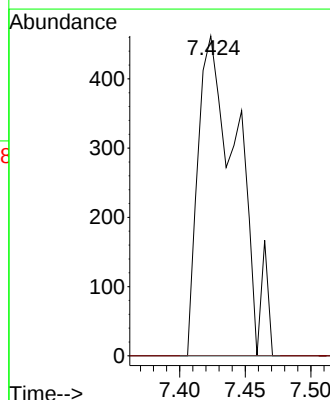
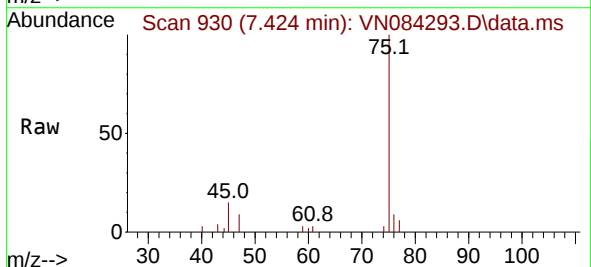
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240925

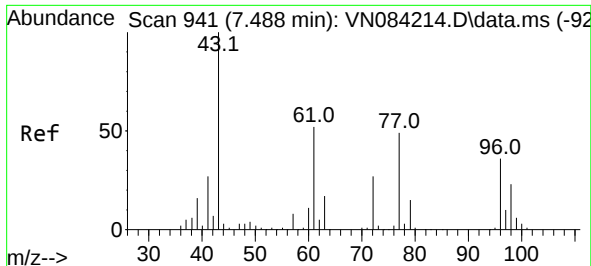
Tgt Ion: 63 Resp: 1840
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.0 5.8#



#25
2-Butanone
Concen: 0.713 ug/l
RT: 7.424 min Scan# 930
Delta R.T. -0.059 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#

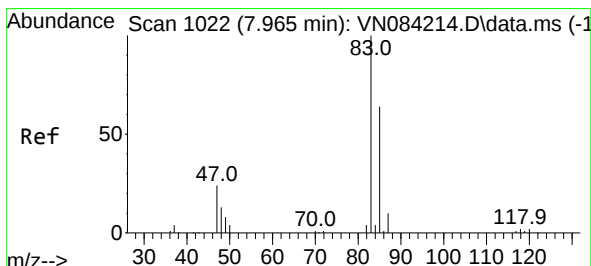
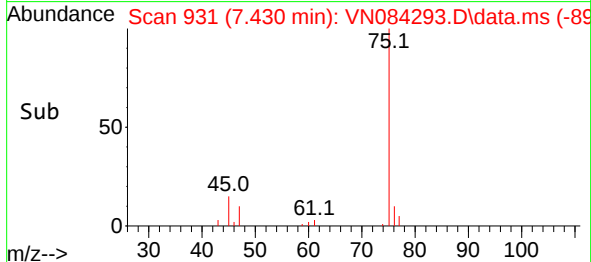
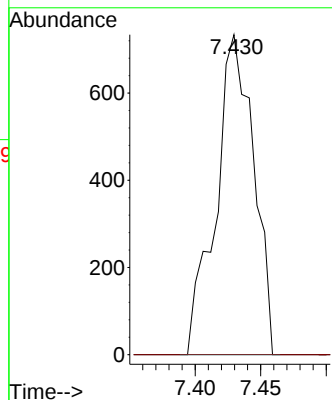
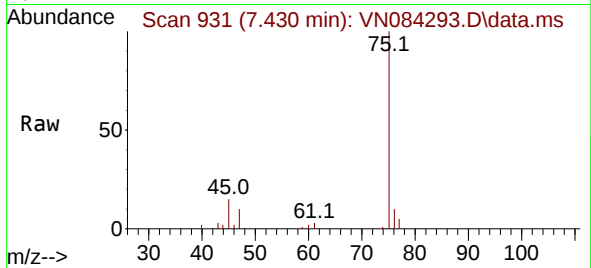




#26
2,2-Dichloropropane
Concen: 0.457 ug/l
RT: 7.430 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

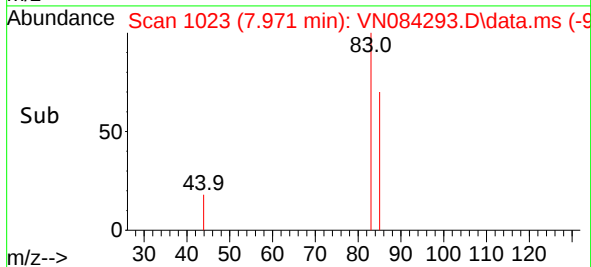
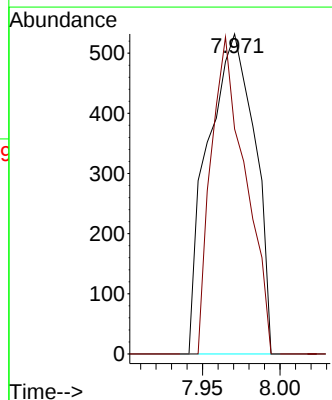
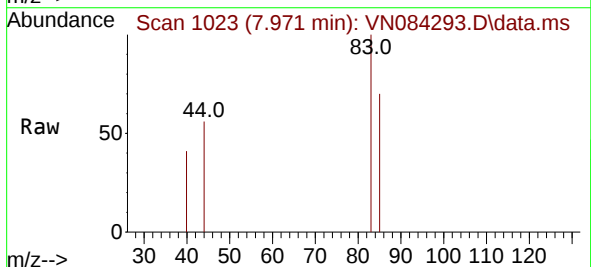
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240925

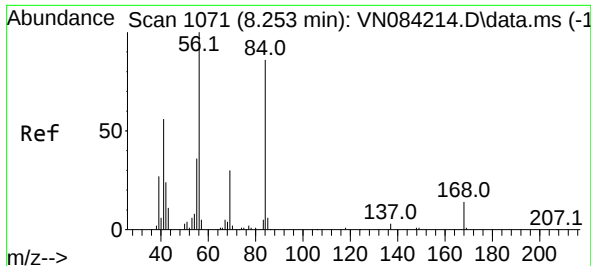
Tgt Ion: 77 Resp: 1473
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#30
Chloroform
Concen: 0.301 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

Tgt Ion: 83 Resp: 1119
Ion Ratio Lower Upper
83 100
85 70.3 51.0 76.4

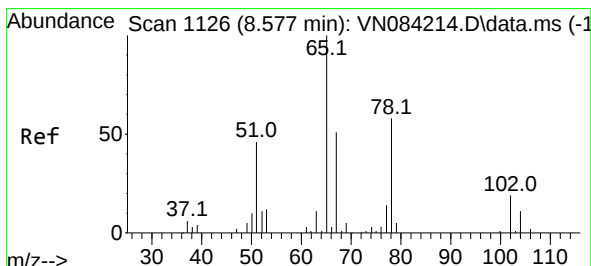
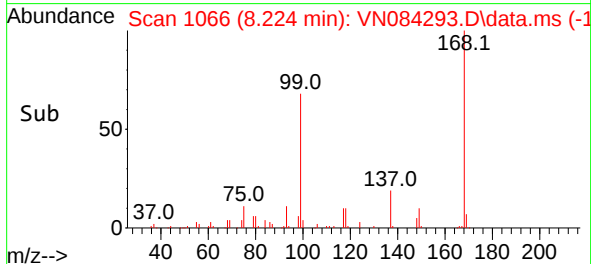
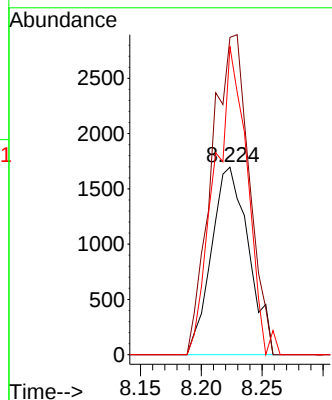
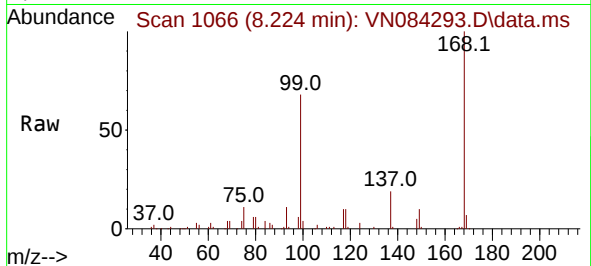




#31
Cyclohexane
Concen: 1.037 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

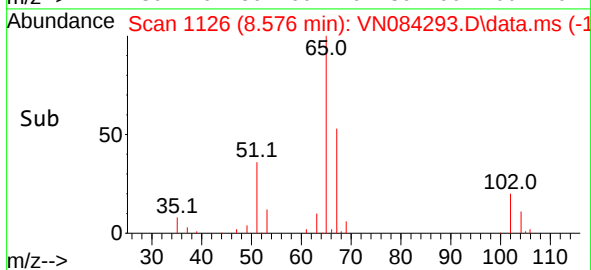
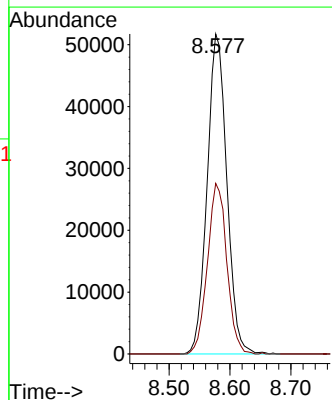
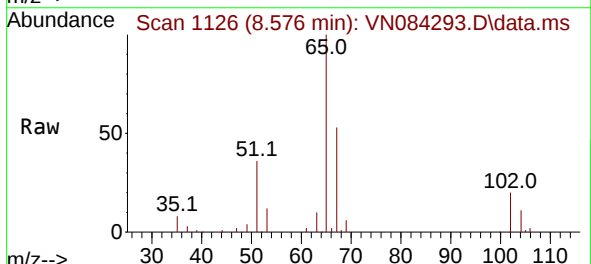
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240925

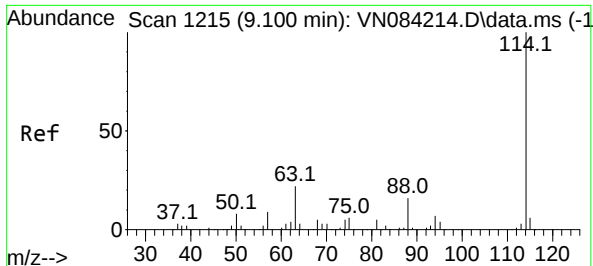
Tgt Ion: 56 Resp: 3600
Ion Ratio Lower Upper
56 100
69 169.1 23.8 35.6#
84 164.1 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.557 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

Tgt Ion: 65 Resp: 116130
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084293.D

Acq: 03 Oct 2024 13:04

Instrument :

MSVOA_N

ClientSampleId :

DUP09-20240925

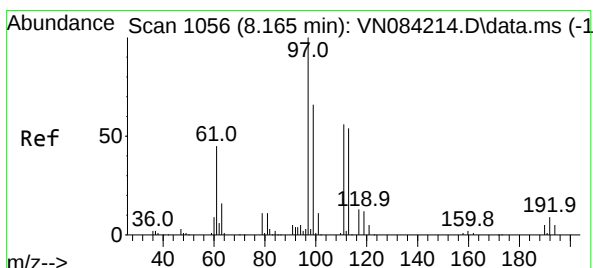
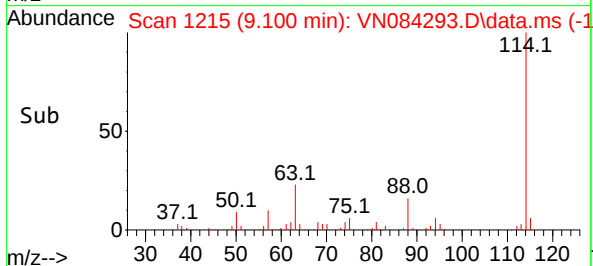
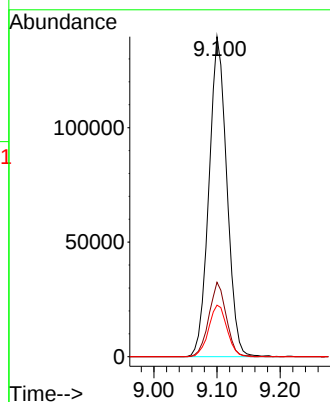
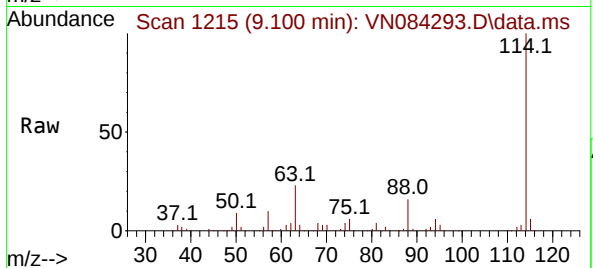
Tgt Ion:114 Resp: 274998

Ion Ratio Lower Upper

114 100

63 23.3 0.0 43.8

88 16.1 0.0 31.6



#35

Dibromofluoromethane

Concen: 51.008 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084293.D

Acq: 03 Oct 2024 13:04

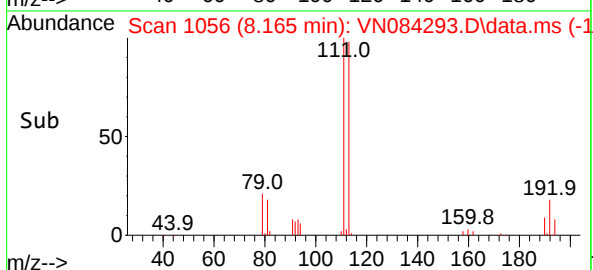
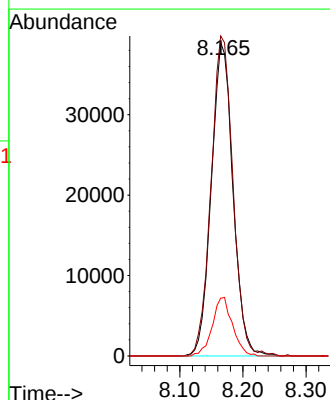
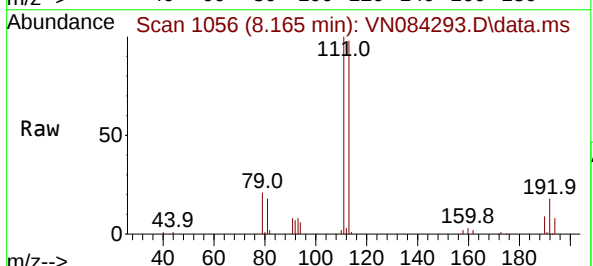
Tgt Ion:113 Resp: 92475

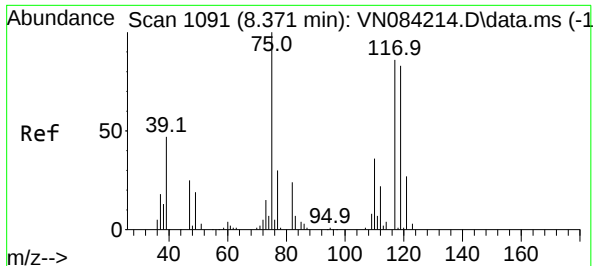
Ion Ratio Lower Upper

113 100

111 103.6 83.3 124.9

192 17.5 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.400 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084293.D

Acq: 03 Oct 2024 13:04

Instrument :

MSVOA_N

ClientSampleId :

DUP09-20240925

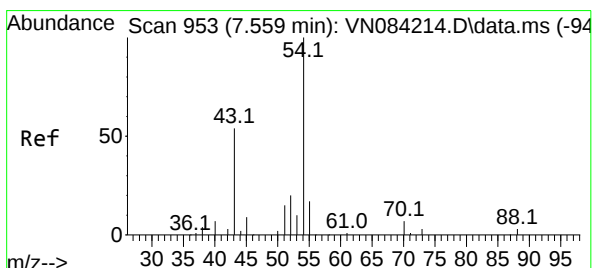
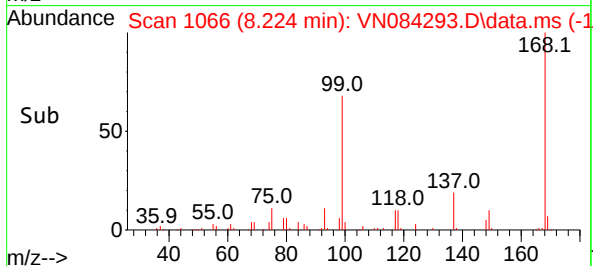
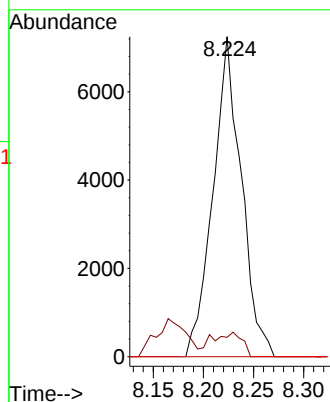
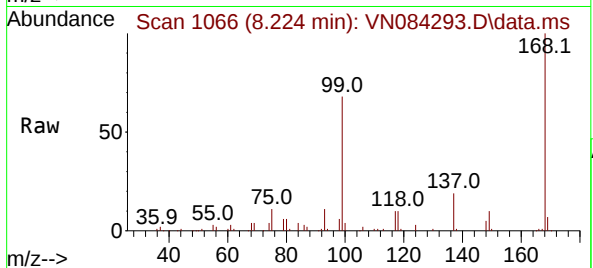
Tgt Ion: 75 Resp: 14219

Ion Ratio Lower Upper

75 100

110 8.2 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.362 ug/l

RT: 7.424 min Scan# 930

Delta R.T. -0.135 min

Lab File: VN084293.D

Acq: 03 Oct 2024 13:04

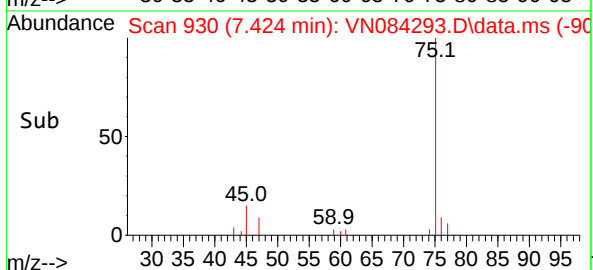
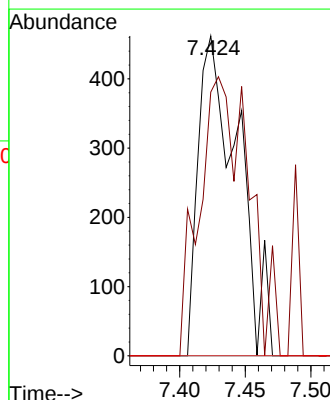
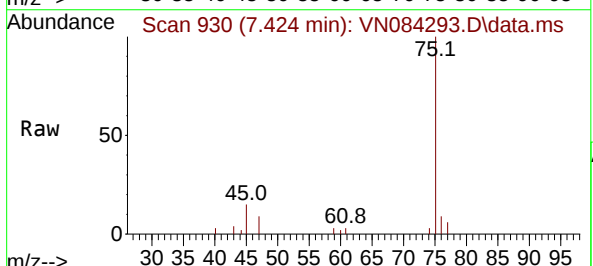
Tgt Ion: 43 Resp: 977

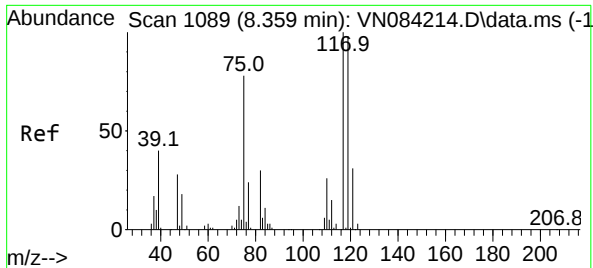
Ion Ratio Lower Upper

43 100

61 108.9 10.7 16.1#

70 0.0 8.8 13.2#

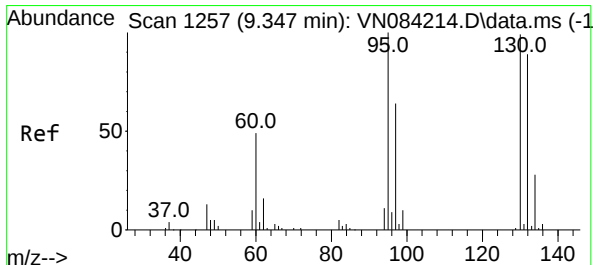
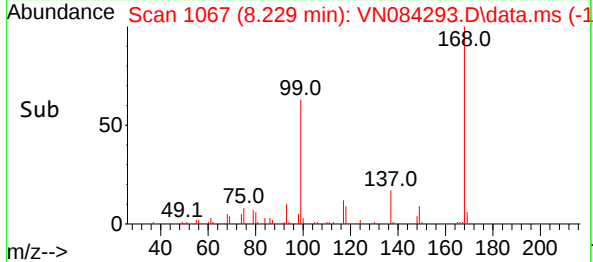
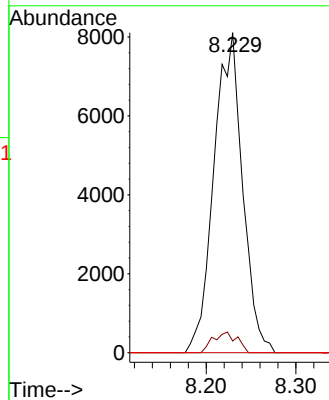
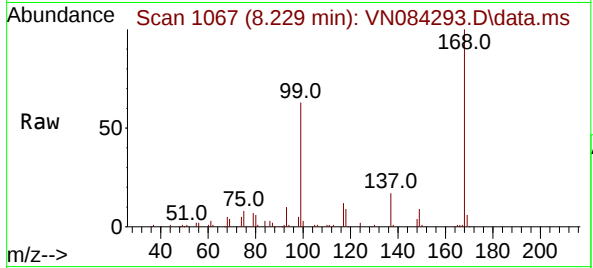




#38
Carbon Tetrachloride
Concen: 6.205 ug/l
RT: 8.229 min Scan# 117
Delta R.T. -0.130 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

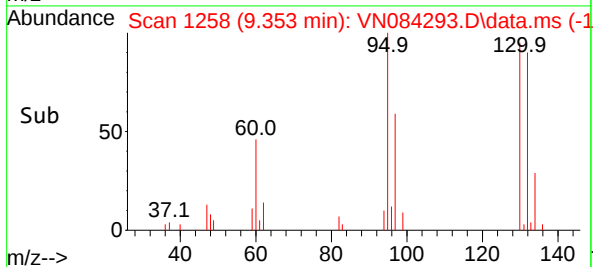
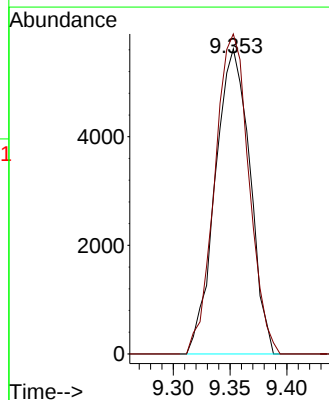
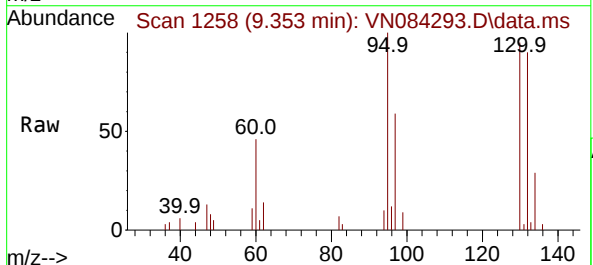
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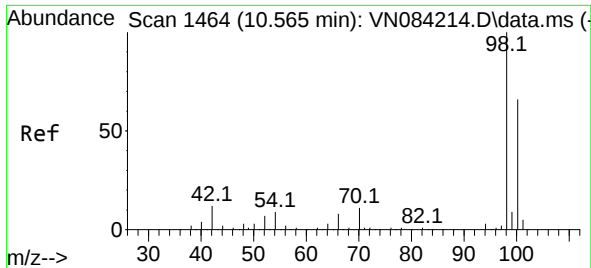
Tgt Ion:117 Resp: 17924
Ion Ratio Lower Upper
117 100
119 3.7 78.7 118.1#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 6.223 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

Tgt Ion:130 Resp: 11925
Ion Ratio Lower Upper
130 100
95 104.9 0.0 203.0

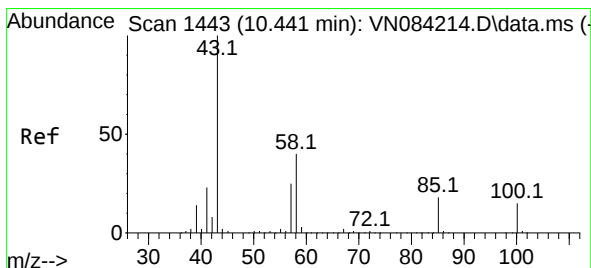
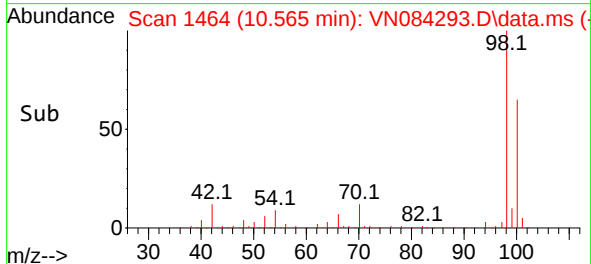
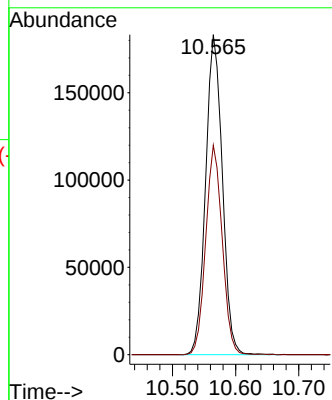
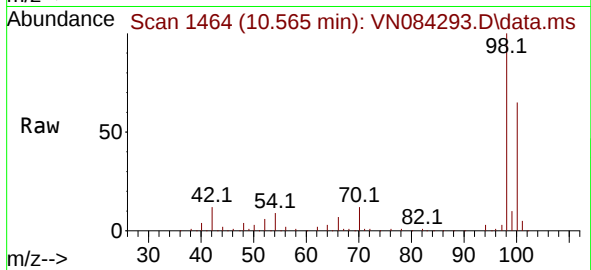




#50
Toluene-d8
Concen: 50.453 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

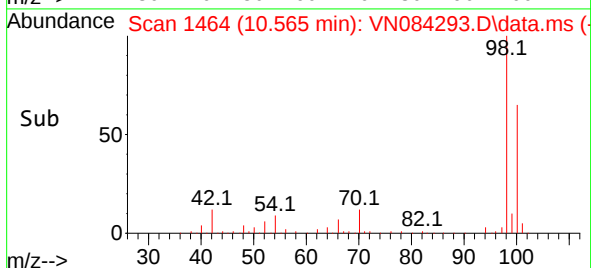
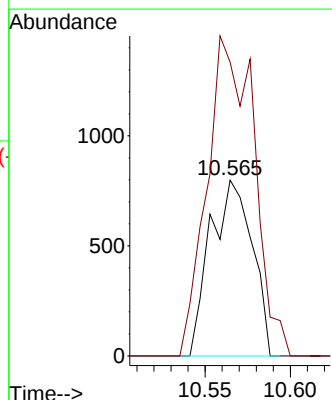
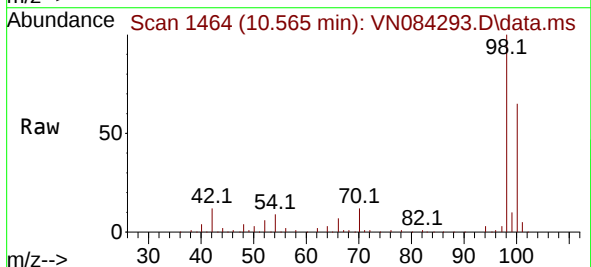
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240925

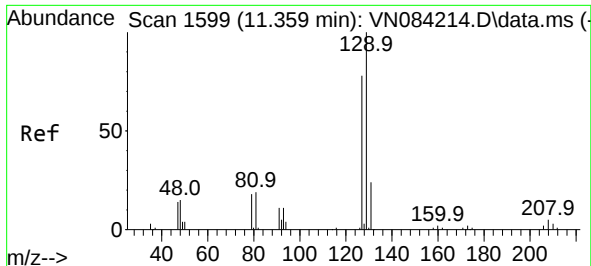
Tgt Ion: 98 Resp: 336522
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.531 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

Tgt Ion: 43 Resp: 1365
Ion Ratio Lower Upper
43 100
58 203.3 31.6 47.4#

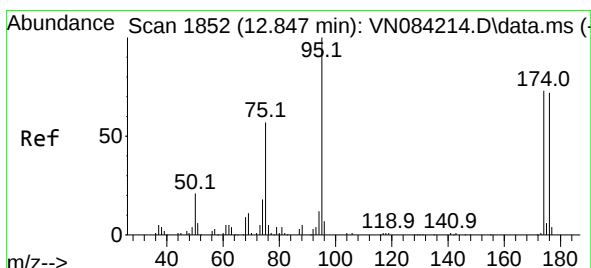
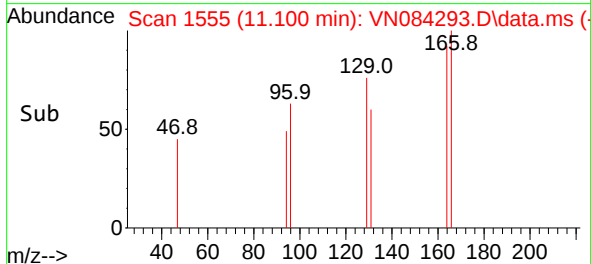
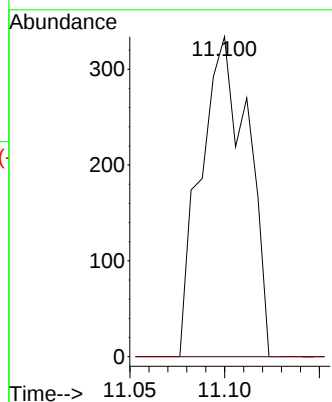
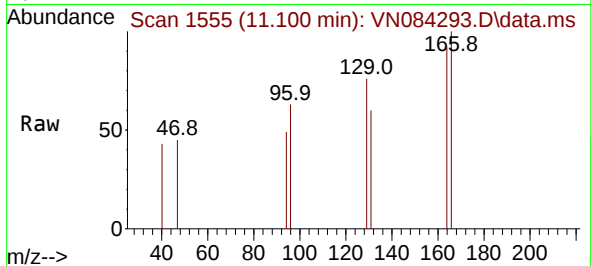




#60
Dibromochloromethane
Concen: 0.273 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

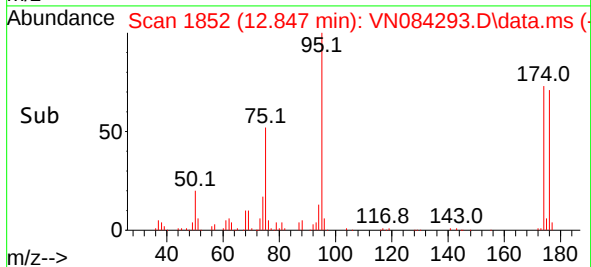
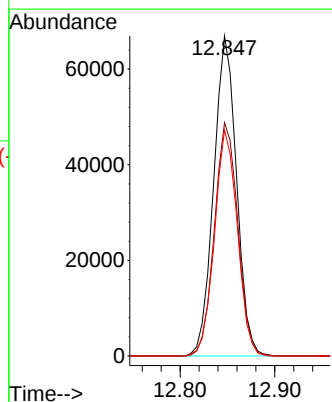
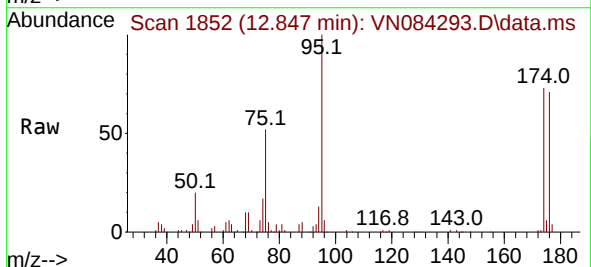
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240925

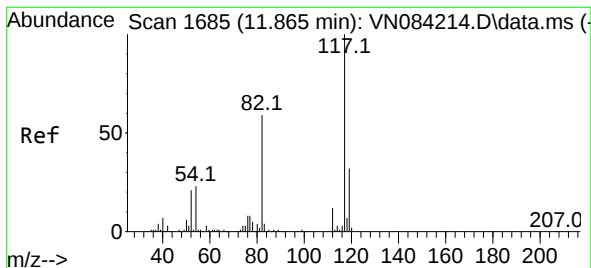
Tgt Ion:129 Resp: 579
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: 46.138 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

Tgt Ion: 95 Resp: 112113
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.2
176 70.6 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084293.D

Acq: 03 Oct 2024 13:04

Instrument :

MSVOA_N

ClientSampleId :

DUP09-20240925

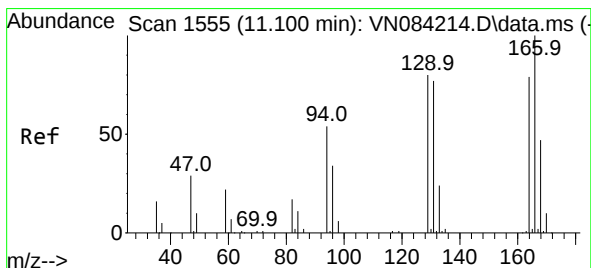
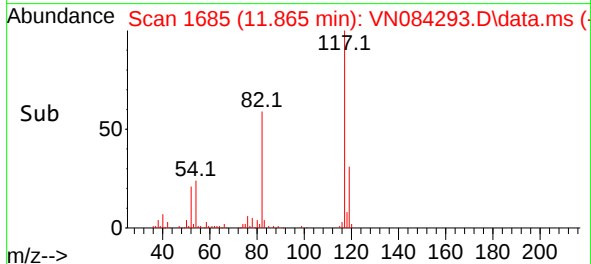
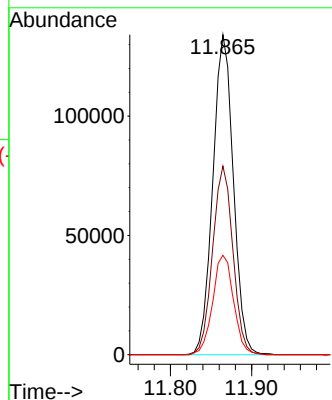
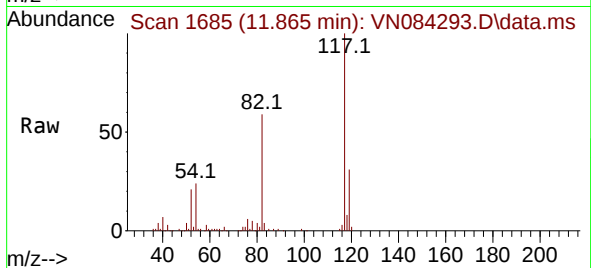
Tgt Ion:117 Resp: 235517

Ion Ratio Lower Upper

117 100

82 59.0 47.2 70.8

119 31.0 25.4 38.0



#64

Tetrachloroethene

Concen: 0.277 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN084293.D

Acq: 03 Oct 2024 13:04

Tgt Ion:164 Resp: 454

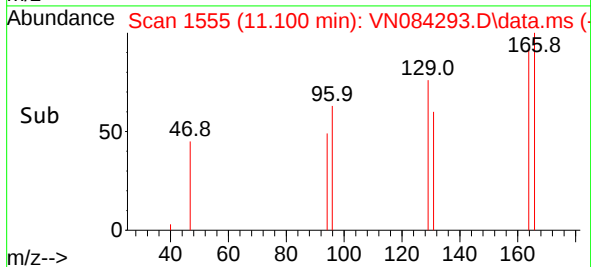
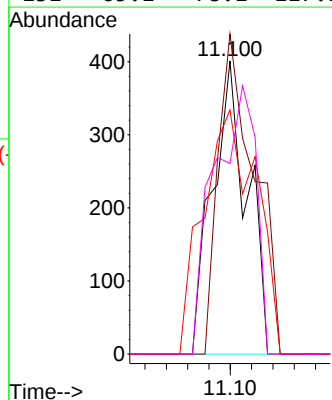
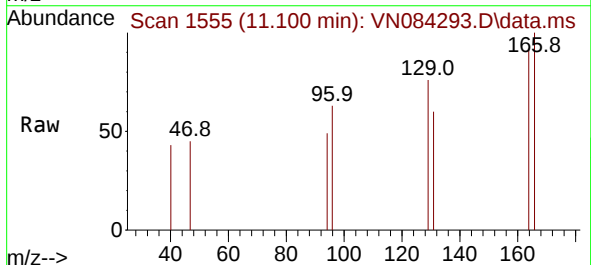
Ion Ratio Lower Upper

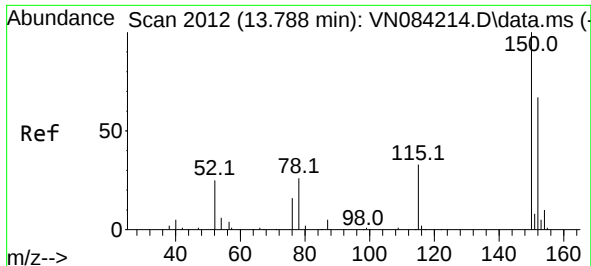
164 100

166 109.2 101.0 151.4

129 83.3 80.8 121.2

131 65.1 78.1 117.1#

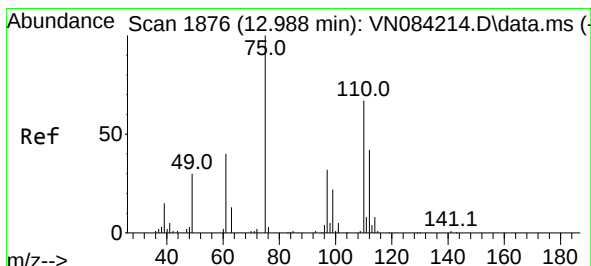
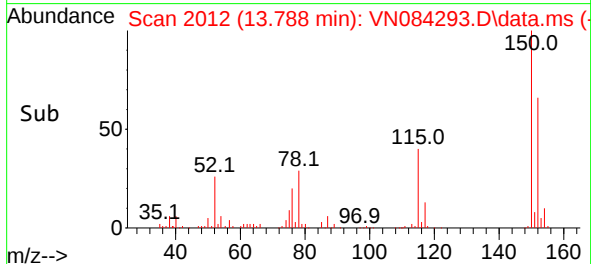
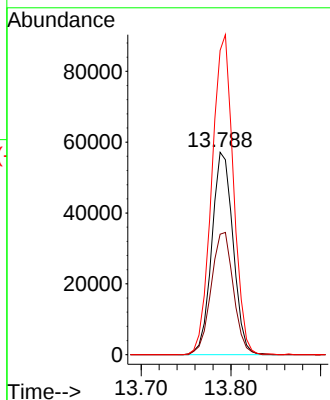
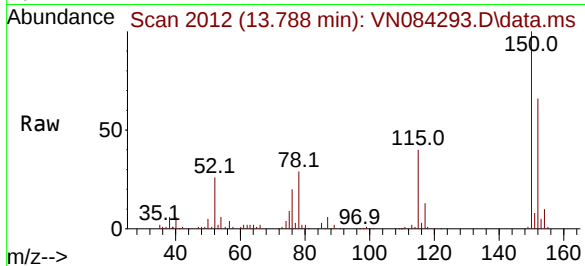




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN084293.D
 Acq: 03 Oct 2024 13:04

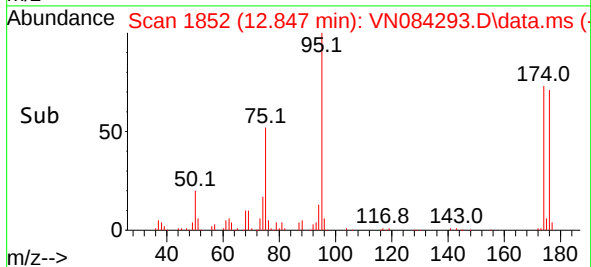
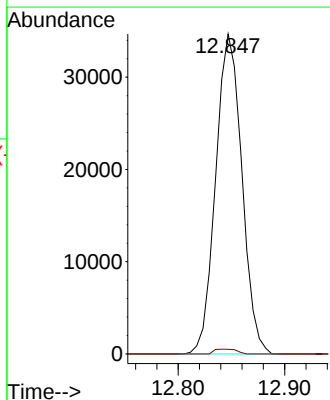
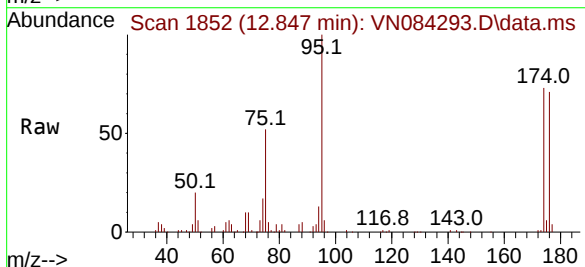
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP09-20240925

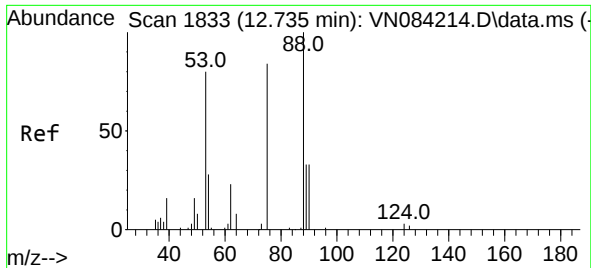
Tgt Ion:152 Resp: 94177
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.3 93.9
 150 159.8 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 30.756 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084293.D
 Acq: 03 Oct 2024 13:04

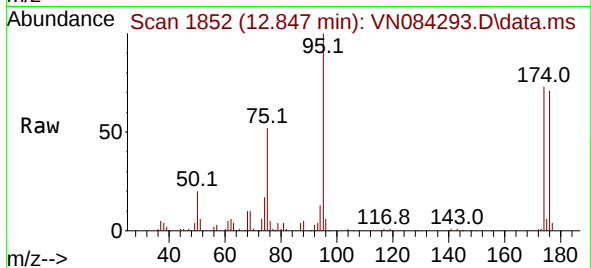
Tgt Ion: 75 Resp: 59133
 Ion Ratio Lower Upper
 75 100
 77 1.3 96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.736 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084293.D
Acq: 03 Oct 2024 13:04

Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240925



Tgt Ion: 75 Resp: 59133
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

