

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
 Data File : VN084228.D
 Acq On : 30 Sep 2024 19:42
 Operator : JC\MD
 Sample : P4116-27
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20240918

Quant Time: Oct 01 07:16:27 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)

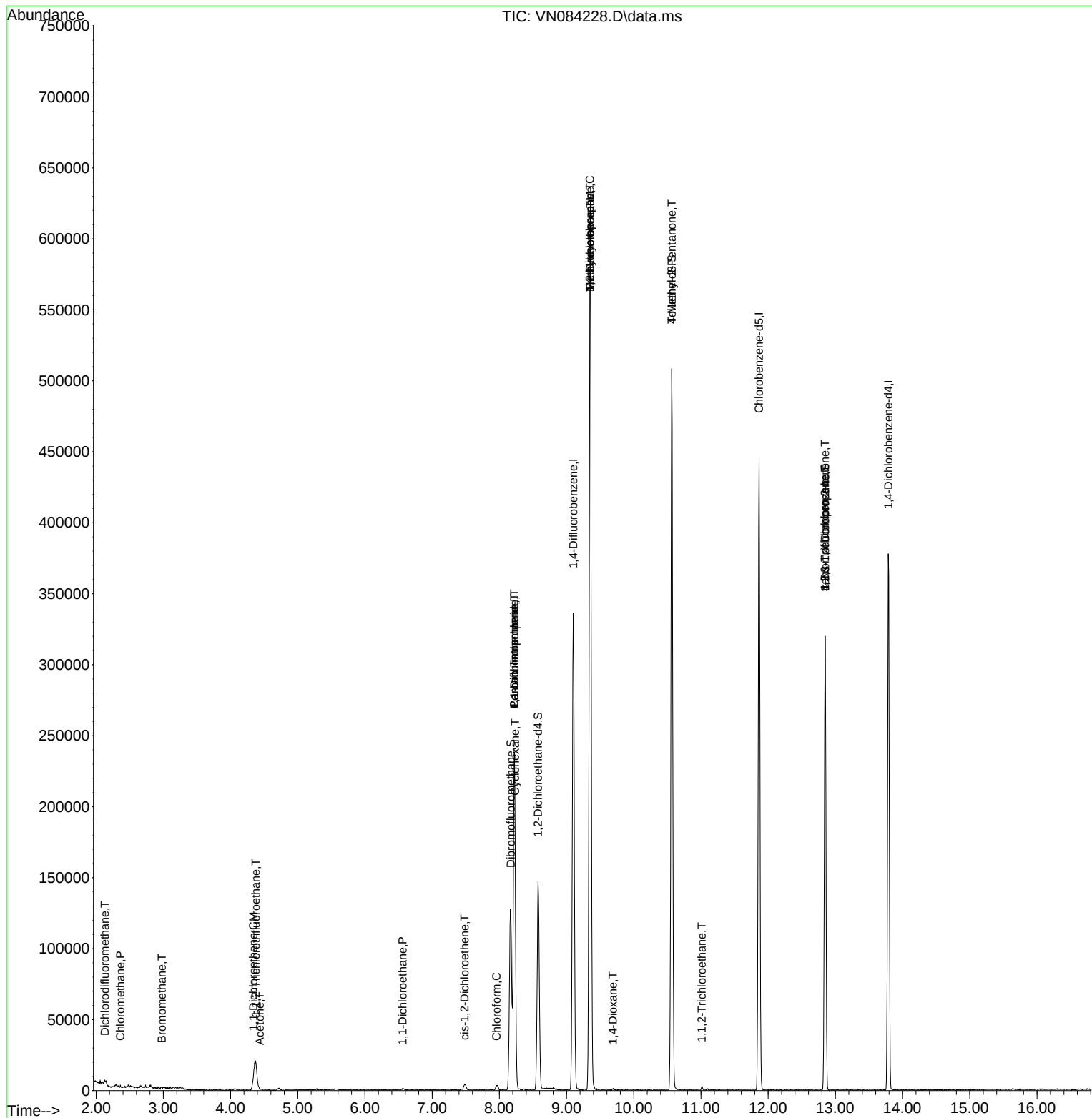
Internal Standards						
1) Pentafluorobenzene	8.224	168	166591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120919	48.955	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.900%		
35) Dibromofluoromethane	8.171	113	93714	49.787	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.580%		
50) Toluene-d8	10.565	98	344192	49.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.400%		
62) 4-Bromofluorobenzene	12.847	95	111378	44.147	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	88.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	2020	1.025	ug/l	77
3) Chloromethane	2.359	50	748	0.332	ug/l	91
5) Bromomethane	2.977	94	346	0.241	ug/l #	64
9) 1,1,2-Trichlorotrifluo...	4.377	101	13420	6.901	ug/l	100
12) 1,1-Dichloroethene	4.342	96	3300	1.759	ug/l #	88
16) Acetone	4.436	43	1204	1.135	ug/l #	44
24) 1,1-Dichloroethane	6.559	63	1651	0.438	ug/l #	83
27) cis-1,2-Dichloroethene	7.483	96	2662	1.121	ug/l	89
30) Chloroform	7.959	83	3937	1.006	ug/l	91
31) Cyclohexane	8.235	56	4247	1.161	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	15245	5.576	ug/l #	49
38) Carbon Tetrachloride	8.224	117	18664	6.223	ug/l #	15
39) Methylcyclohexane	9.347	83	2936	0.965	ug/l #	1
44) Trichloroethene	9.353	130	221254	111.206	ug/l	98
45) 1,2-Dichloropropane	9.347	63	827	0.410	ug/l #	1
49) 1,4-Dioxane	9.688	88	766	19.025	ug/l #	89
51) 4-Methyl-2-Pentanone	10.565	43	1616	0.605	ug/l #	1
55) 1,1,2-Trichloroethane	11.012	97	780	0.419	ug/l #	71
76) 1,2,3-Trichloropropane	12.847	75	61171	29.686	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61171	71.171	ug/l #	11

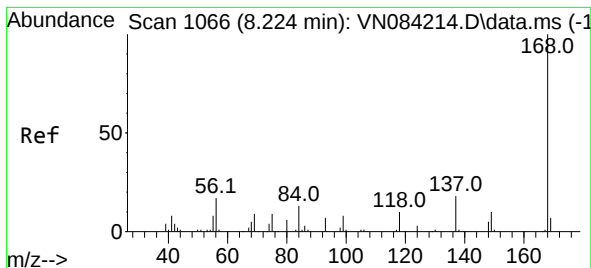
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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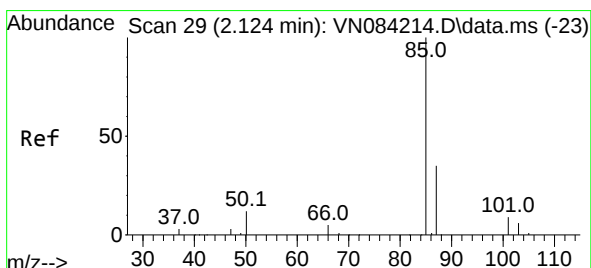
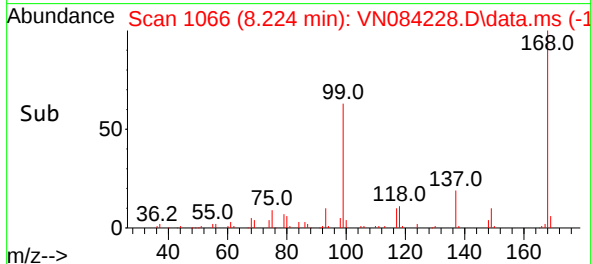
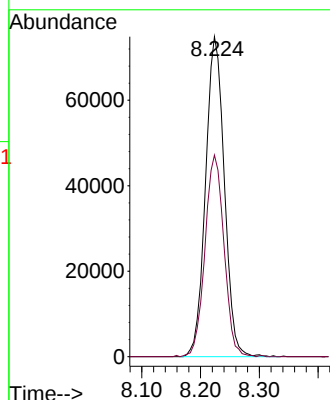
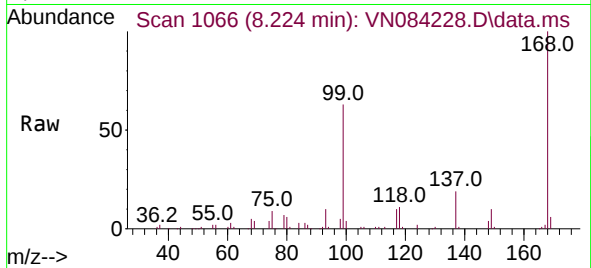




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

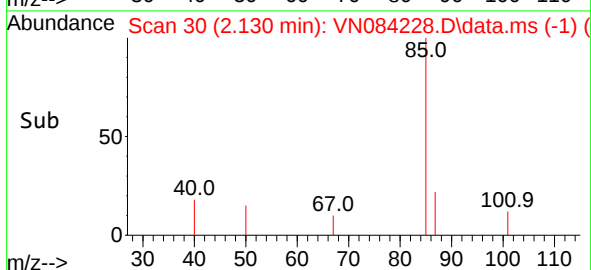
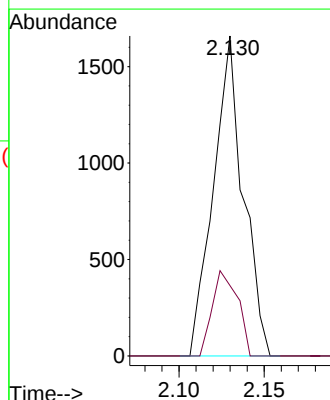
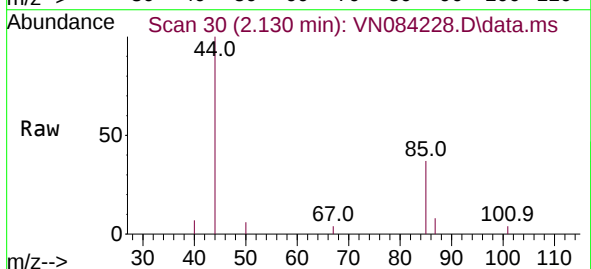
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20240918

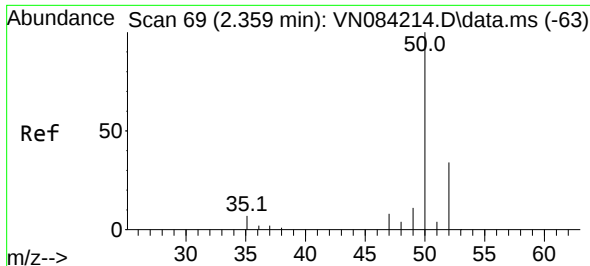
Tgt Ion:168 Resp: 166591
Ion Ratio Lower Upper
168 100
99 63.0 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 1.025 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion: 85 Resp: 2020
Ion Ratio Lower Upper
85 100
87 22.0 17.6 52.9

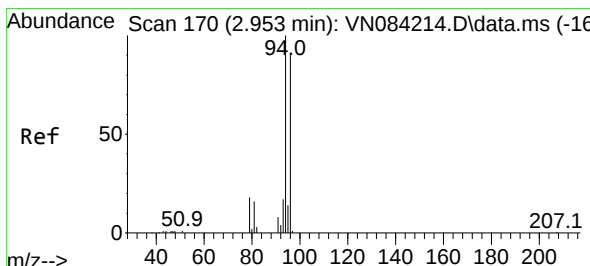
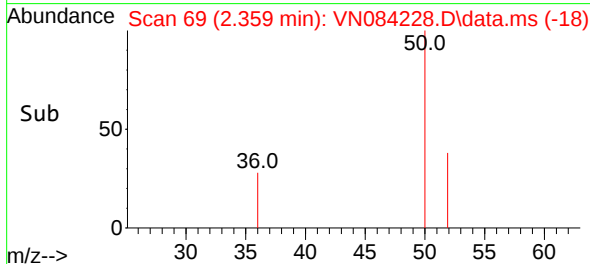
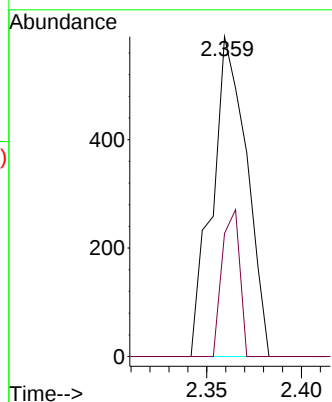
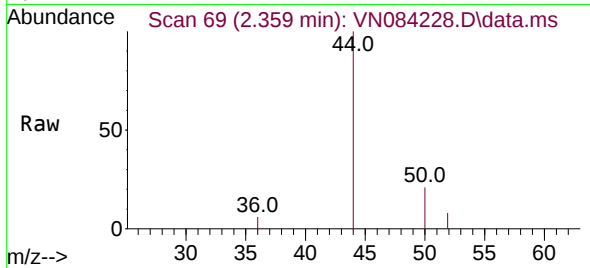




#3
Chloromethane
Concen: 0.332 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

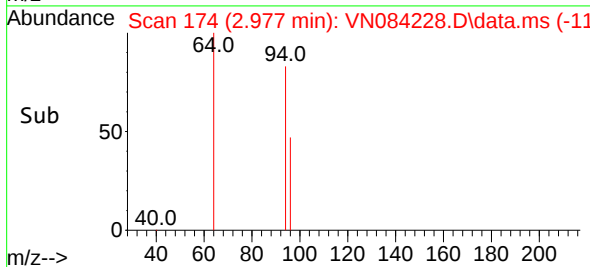
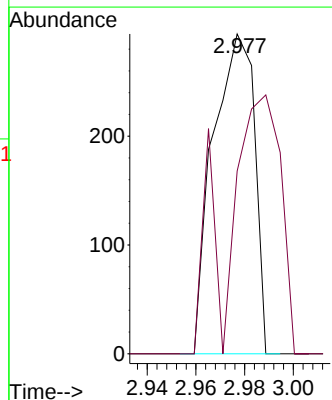
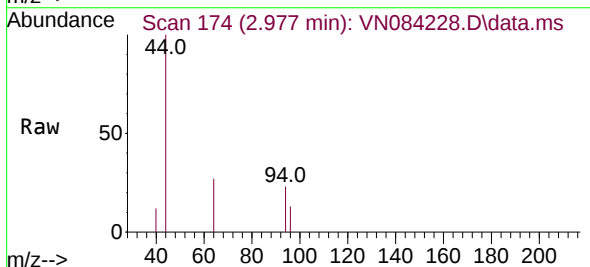
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20240918

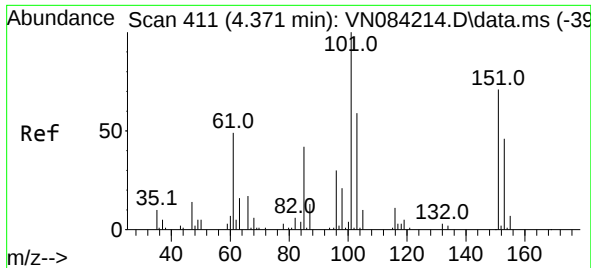
Tgt Ion: 50 Resp: 748
Ion Ratio Lower Upper
50 100
52 38.5 26.8 40.2



#5
Bromomethane
Concen: 0.241 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion: 94 Resp: 346
Ion Ratio Lower Upper
94 100
96 57.1 72.9 109.3#

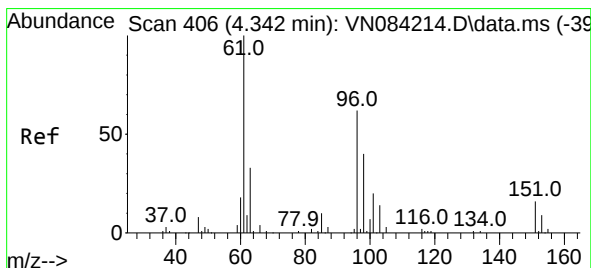
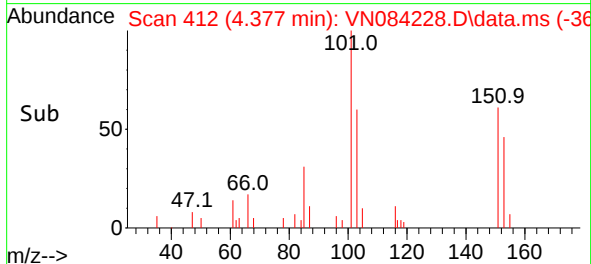
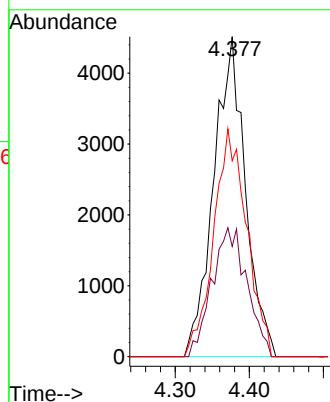
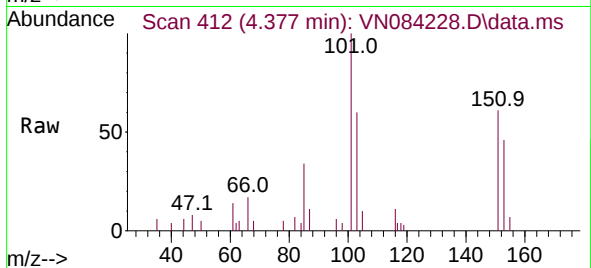




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.901 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

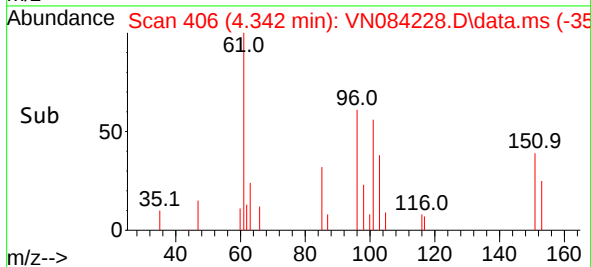
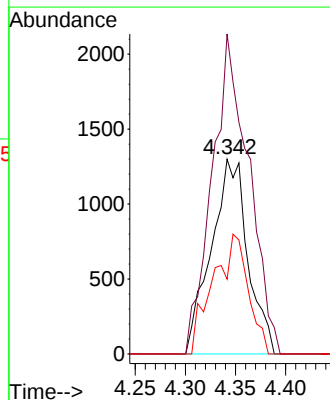
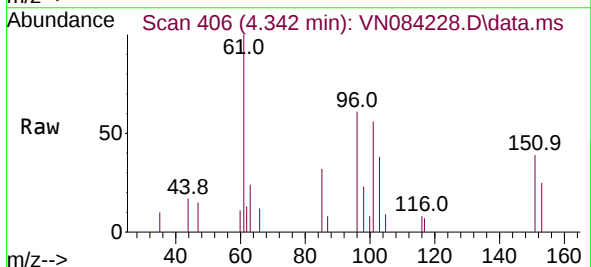
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20240918

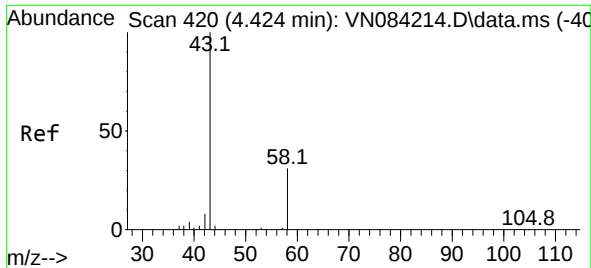
Tgt Ion:101 Resp: 13420
Ion Ratio Lower Upper
101 100
85 44.6 36.2 54.4
151 74.2 59.3 88.9



#12
1,1-Dichloroethene
Concen: 1.759 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion: 96 Resp: 3300
Ion Ratio Lower Upper
96 100
61 164.4 128.6 192.8
98 38.4 51.7 77.5#





#16

Acetone

Concen: 1.135 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

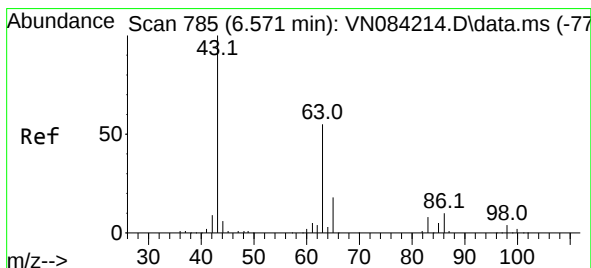
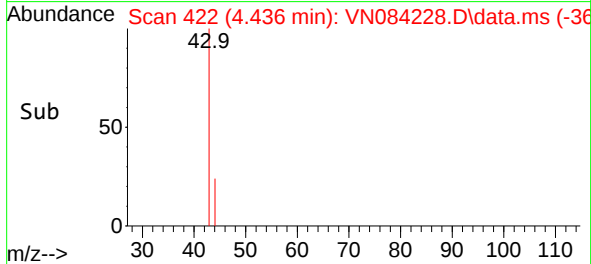
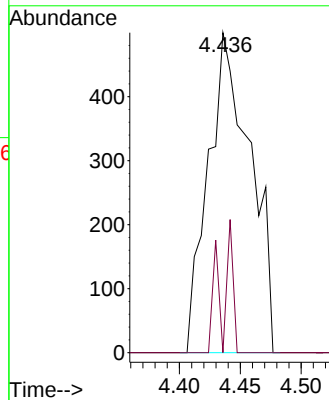
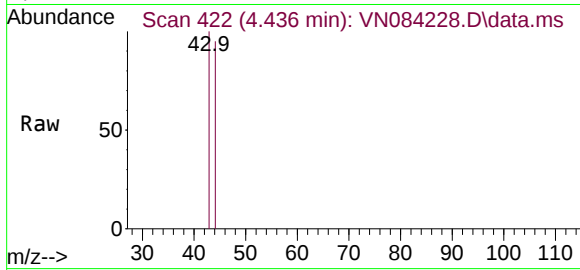
DUP05-20240918

Tgt Ion: 43 Resp: 1204

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#24

1,1-Dichloroethane

Concen: 0.438 ug/l

RT: 6.559 min Scan# 783

Delta R.T. -0.012 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

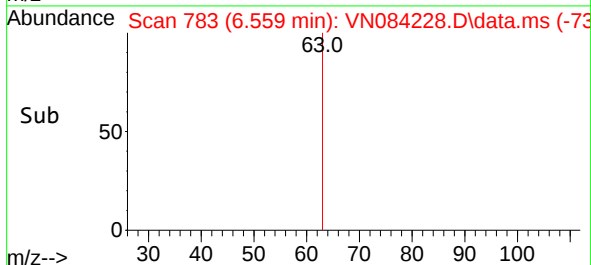
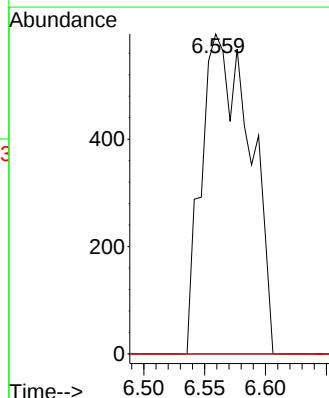
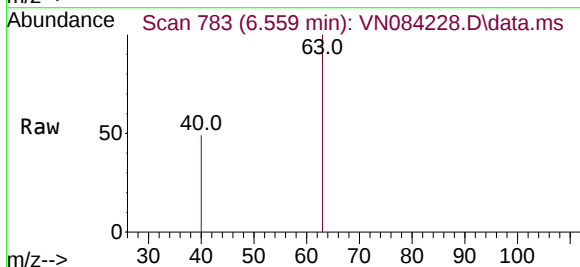
Tgt Ion: 63 Resp: 1651

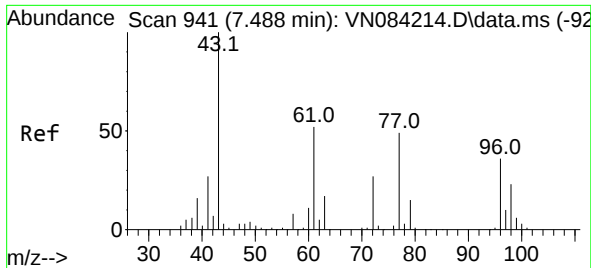
Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

100 0.0 2.0 5.8#

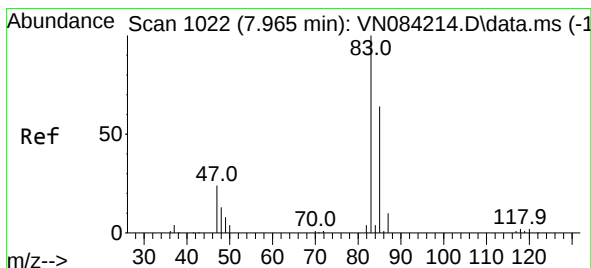
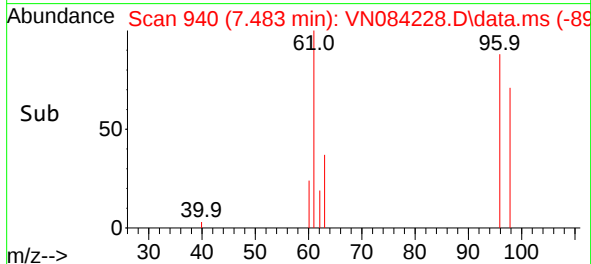
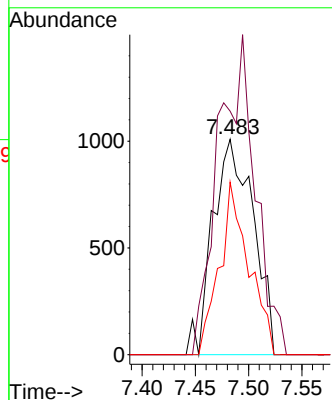
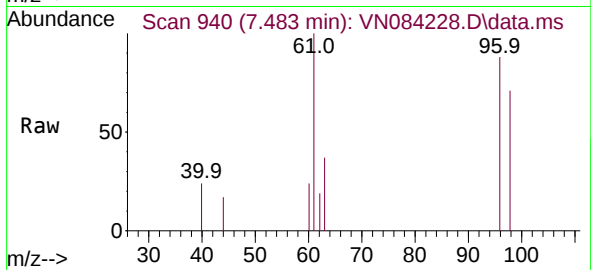




#27
 cis-1,2-Dichloroethene
 Concen: 1.121 ug/l
 RT: 7.483 min Scan# 941
 Delta R.T. -0.006 min
 Lab File: VN084228.D
 Acq: 30 Sep 2024 19:42

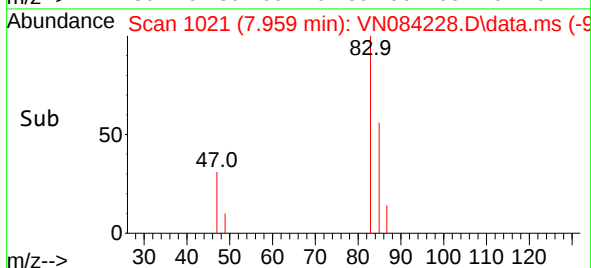
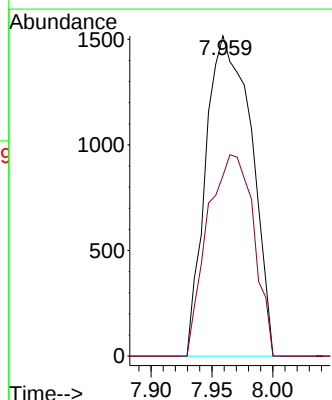
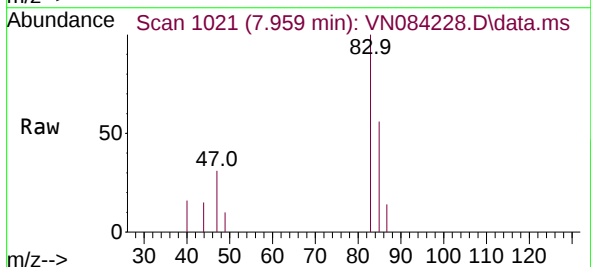
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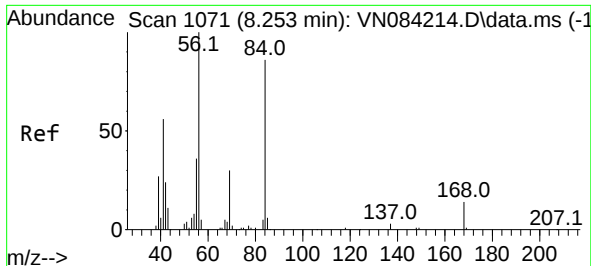
Tgt Ion: 96 Resp: 2662
 Ion Ratio Lower Upper
 96 100
 61 135.8 0.0 301.8
 98 58.3 0.0 128.2



#30
 Chloroform
 Concen: 1.006 ug/l
 RT: 7.959 min Scan# 1021
 Delta R.T. -0.006 min
 Lab File: VN084228.D
 Acq: 30 Sep 2024 19:42

Tgt Ion: 83 Resp: 3937
 Ion Ratio Lower Upper
 83 100
 85 56.3 51.0 76.4

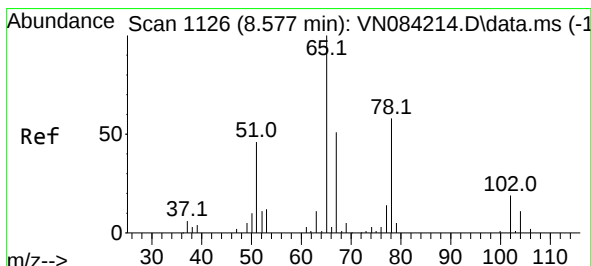
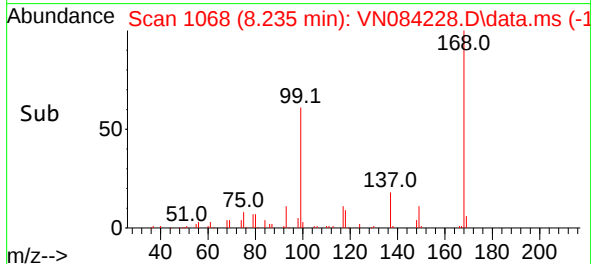
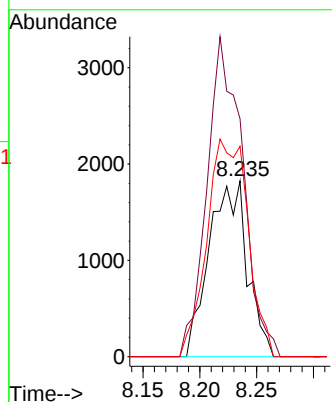
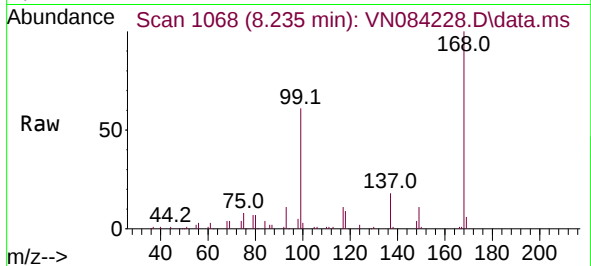




#31
Cyclohexane
Concen: 1.161 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.018 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

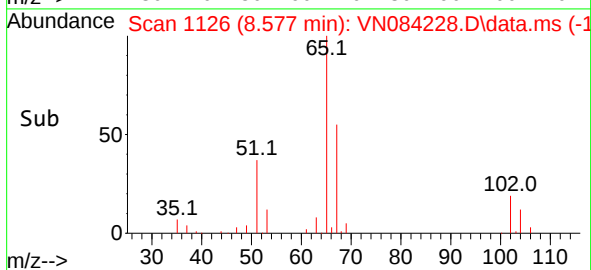
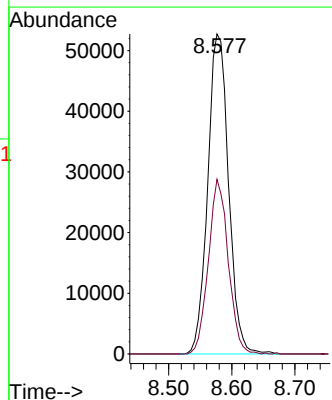
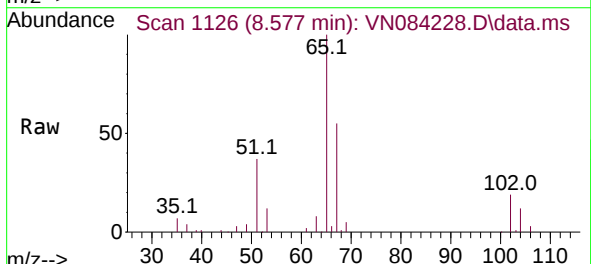
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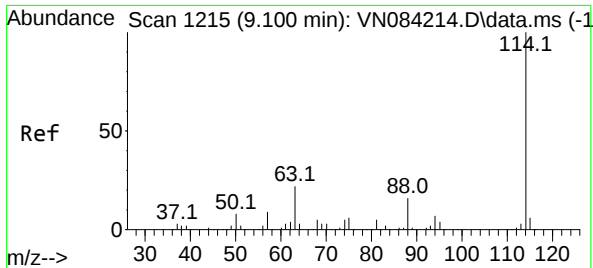
Tgt Ion: 56 Resp: 4247
Ion Ratio Lower Upper
56 100
69 135.4 23.8 35.6#
84 119.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.955 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion: 65 Resp: 120919
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.0

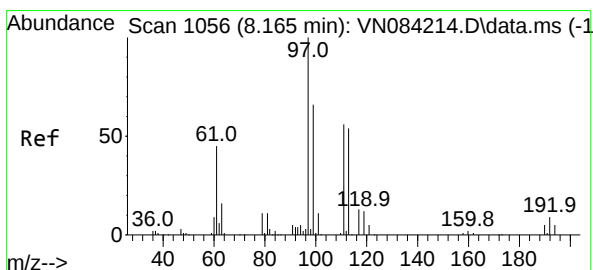
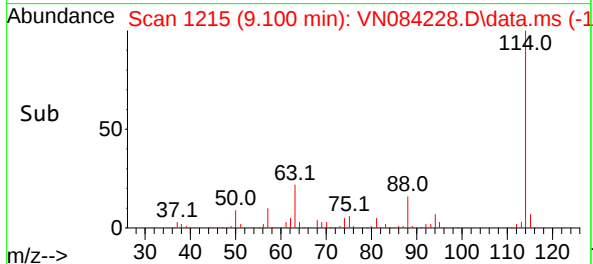
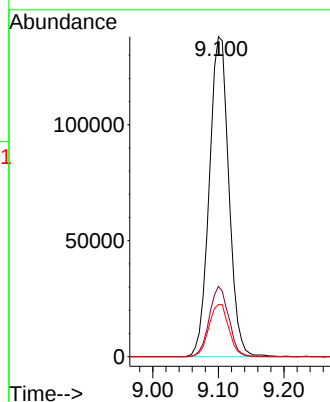
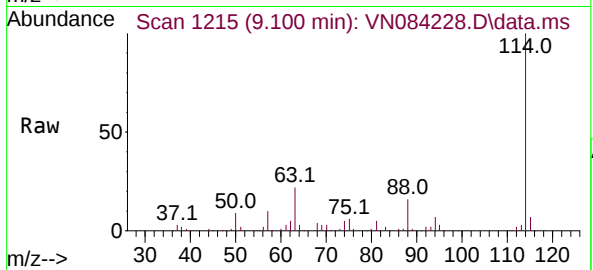




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

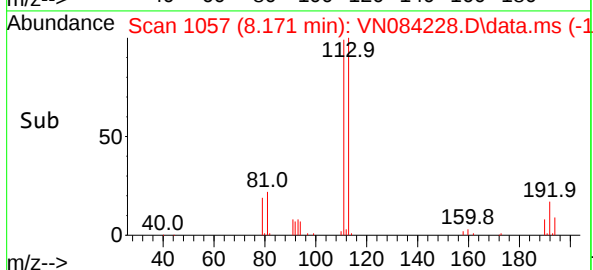
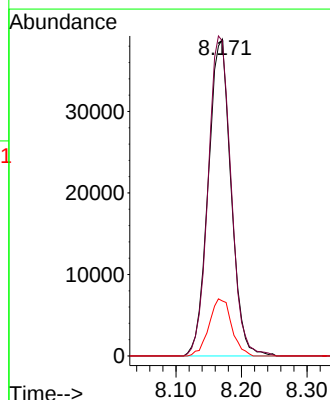
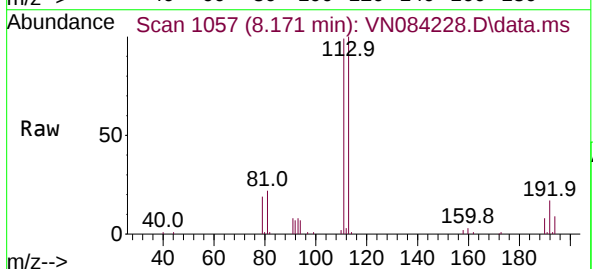
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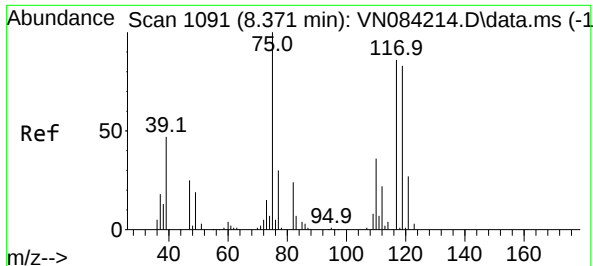
Tgt Ion:114 Resp: 285515
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.8
88 16.3 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.787 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion:113 Resp: 93714
Ion Ratio Lower Upper
113 100
111 101.4 83.3 124.9
192 17.9 13.5 20.3

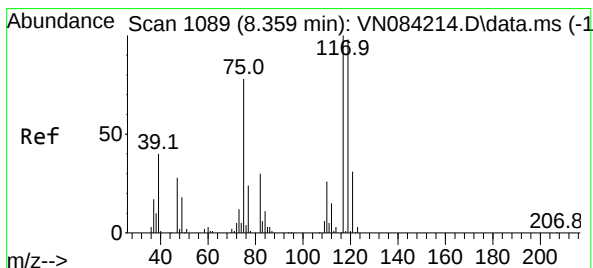
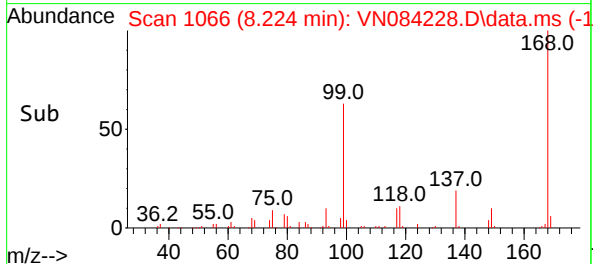
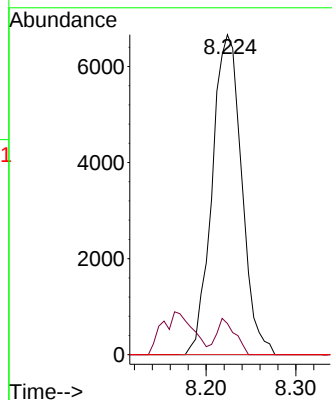
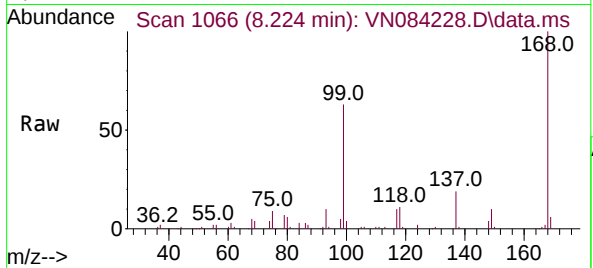




#36
1,1-Dichloropropene
Concen: 5.576 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

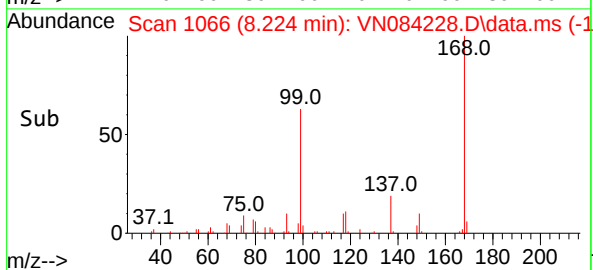
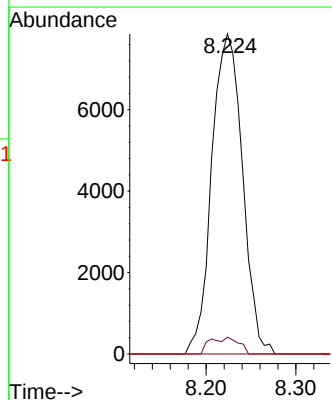
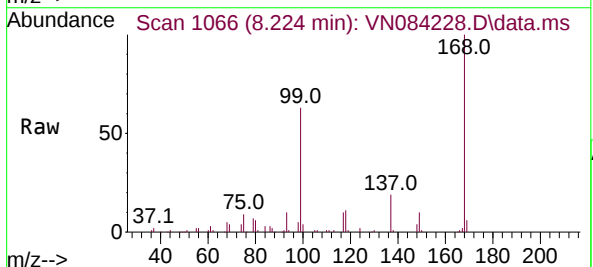
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20240918

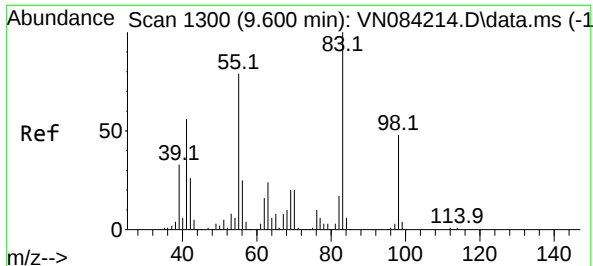
Tgt Ion: 75 Resp: 15245
Ion Ratio Lower Upper
75 100
110 7.2 16.9 50.7#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.223 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion: 117 Resp: 18664
Ion Ratio Lower Upper
117 100
119 5.3 78.7 118.1#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.965 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.253 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20240918

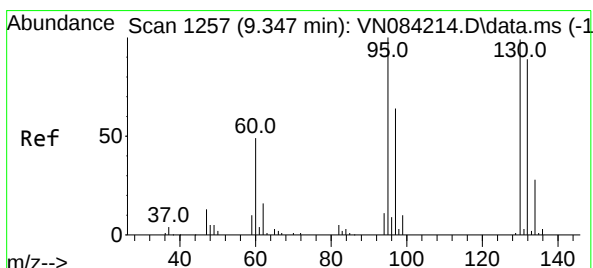
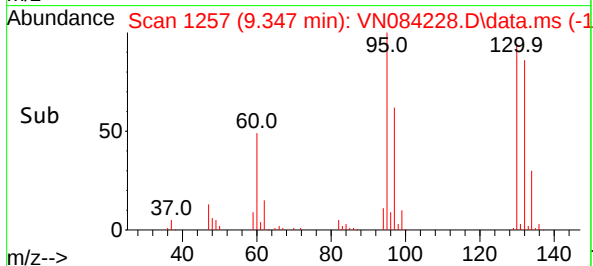
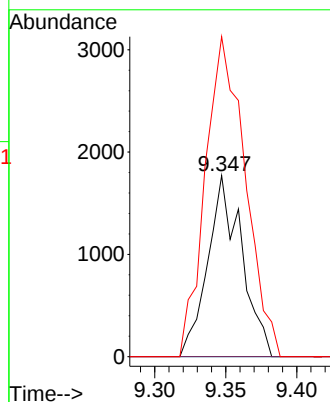
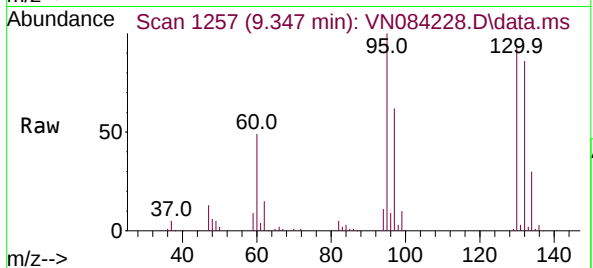
Tgt Ion: 83 Resp: 2936

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 176.7 38.8 58.2#



#44

Trichloroethene

Concen: 111.206 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084228.D

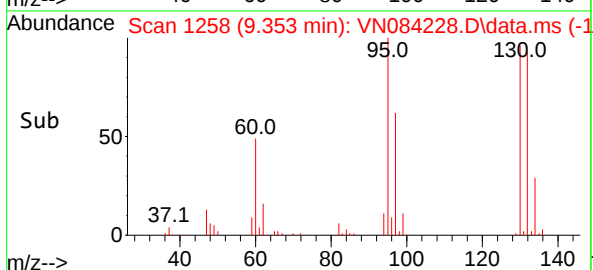
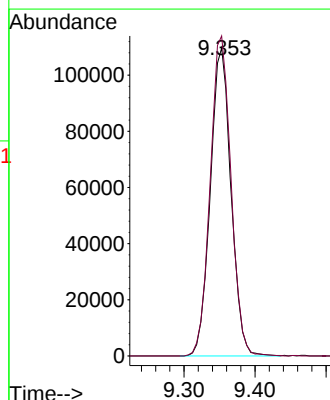
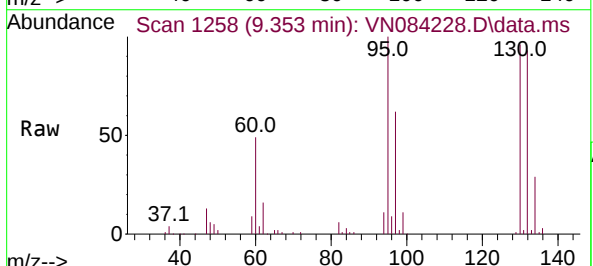
Acq: 30 Sep 2024 19:42

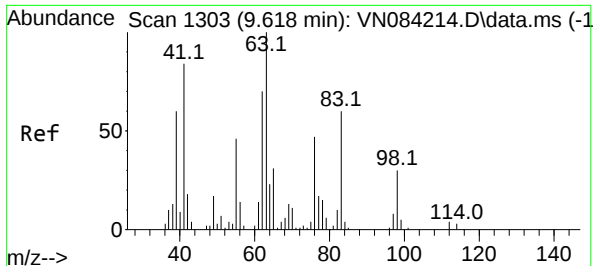
Tgt Ion:130 Resp: 221254

Ion Ratio Lower Upper

130 100

95 103.9 0.0 203.0





#45

1,2-Dichloropropane

Concen: 0.410 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.271 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

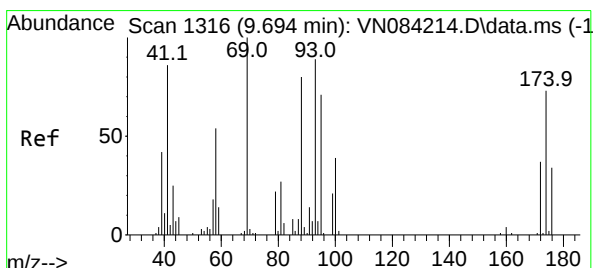
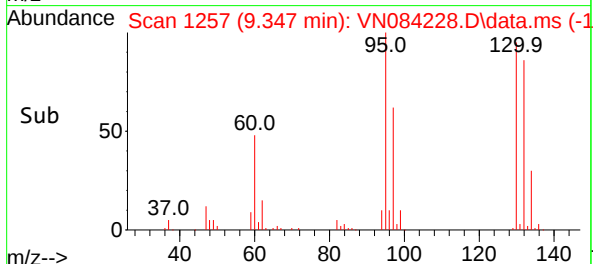
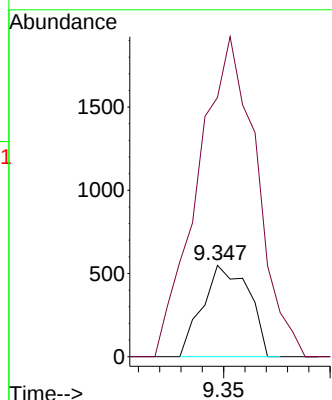
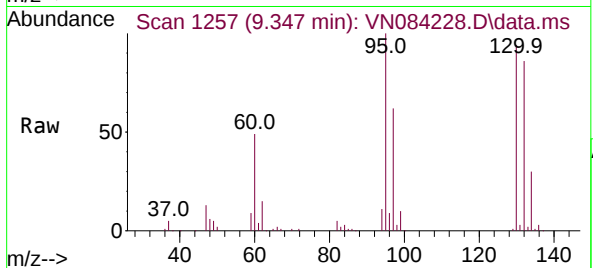
DUP05-20240918

Tgt Ion: 63 Resp: 827

Ion Ratio Lower Upper

63 100

65 235.7 24.6 37.0#



#49

1,4-Dioxane

Concen: 19.025 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

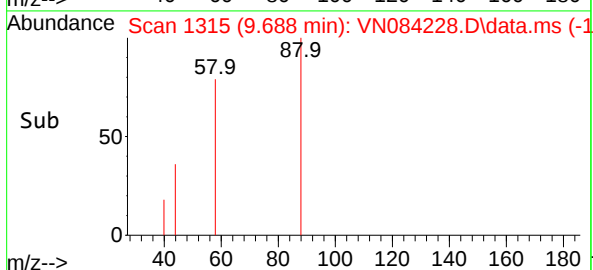
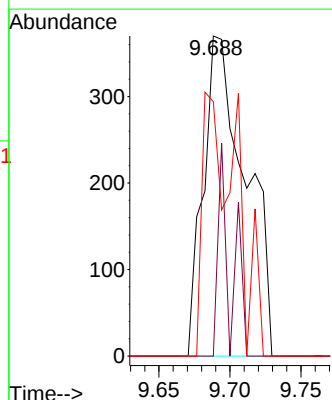
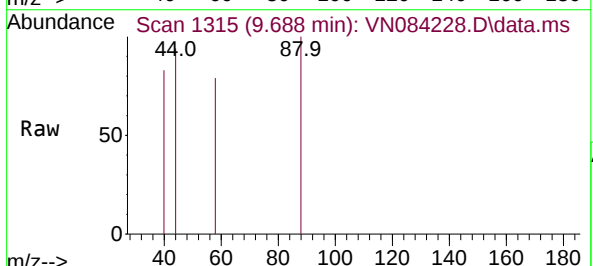
Tgt Ion: 88 Resp: 766

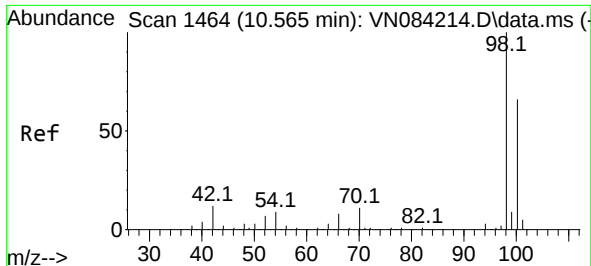
Ion Ratio Lower Upper

88 100

43 19.6 25.3 37.9#

58 65.9 56.4 84.6

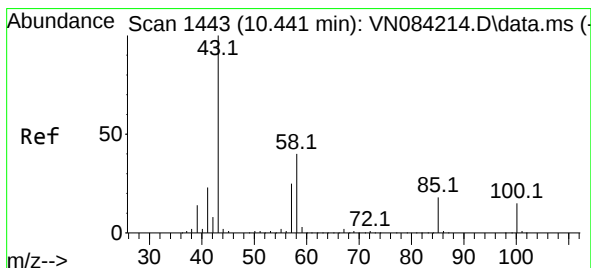
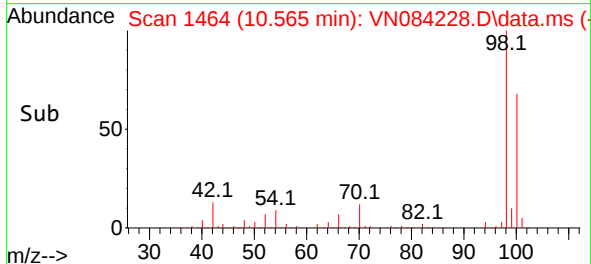
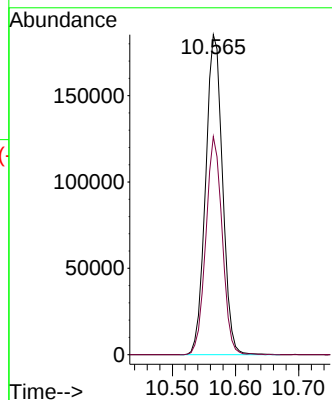
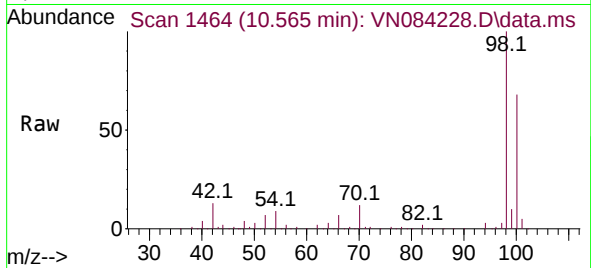




#50
Toluene-d8
Concen: 49.702 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

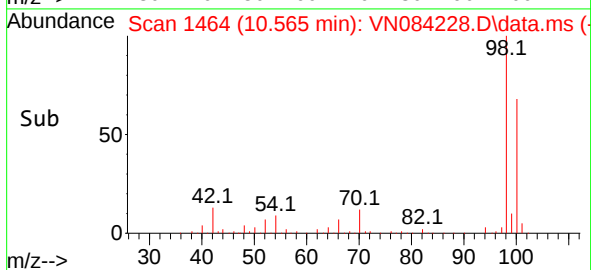
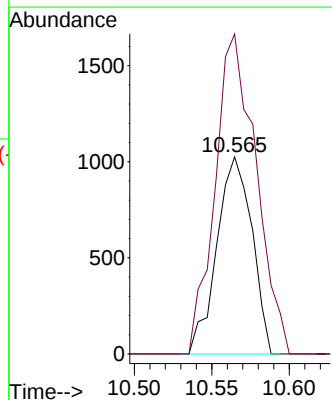
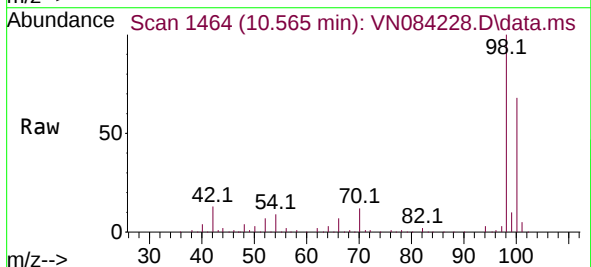
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20240918

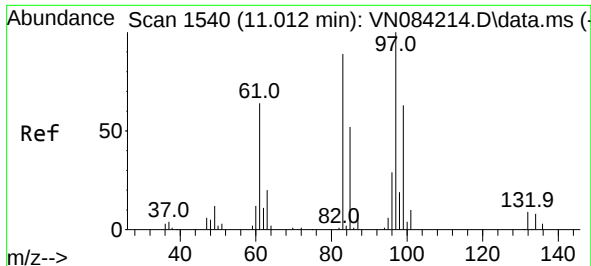
Tgt Ion: 98 Resp: 344192
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.605 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion: 43 Resp: 1616
Ion Ratio Lower Upper
43 100
58 189.2 31.6 47.4#

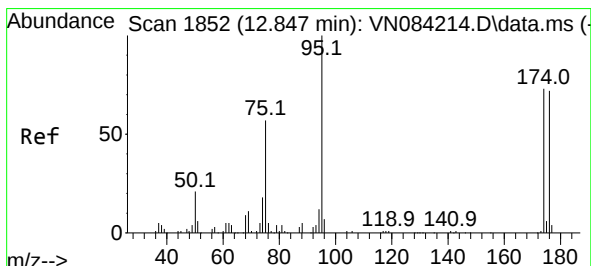
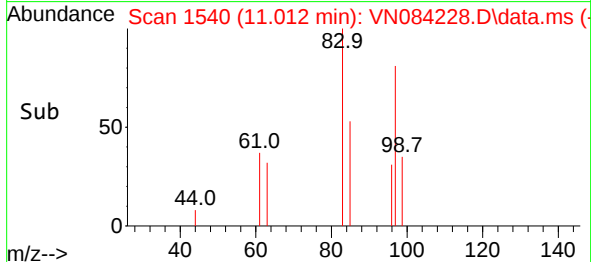
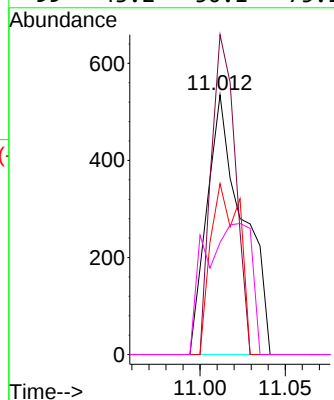
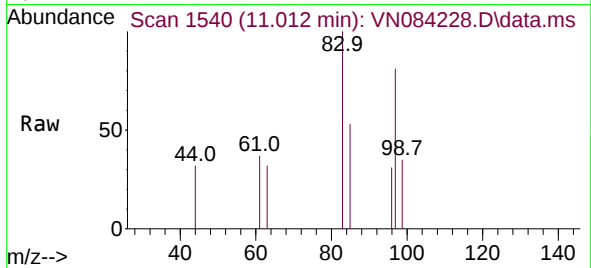




#55
1,1,2-Trichloroethane
Concen: 0.419 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

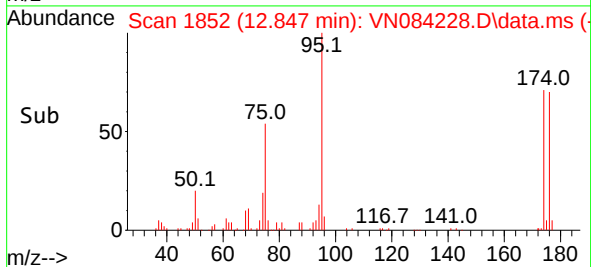
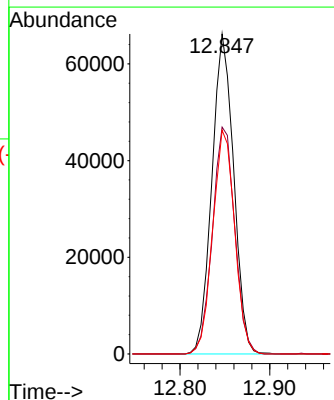
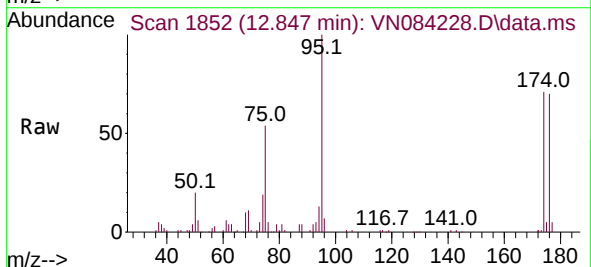
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20240918

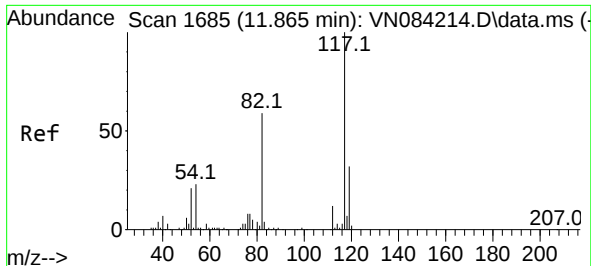
Tgt Ion: 97	Resp: 780
Ion Ratio	Lower Upper
97 100	
83 123.2	71.0 106.4#
85 65.8	41.7 62.5#
99 43.2	50.1 75.1#



#62
4-Bromofluorobenzene
Concen: 44.147 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion: 95	Resp: 111378
Ion Ratio	Lower Upper
95 100	
174 72.8	0.0 145.2
176 70.8	0.0 140.0

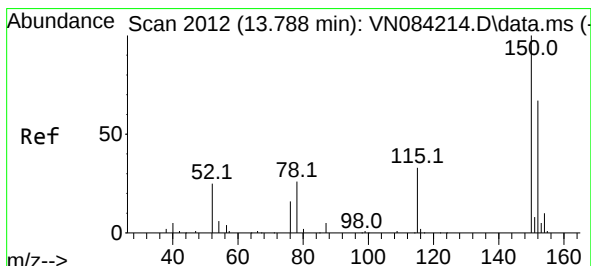
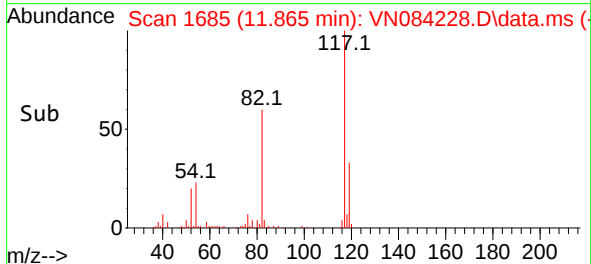
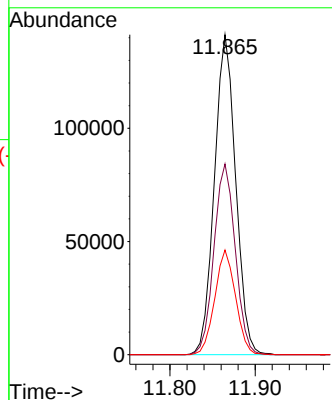
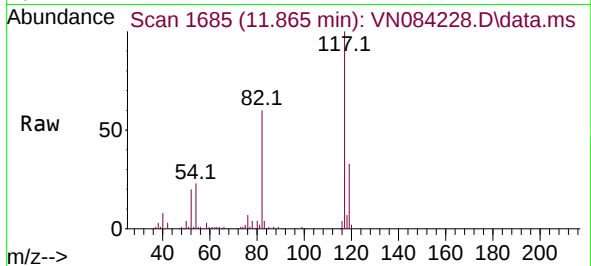




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

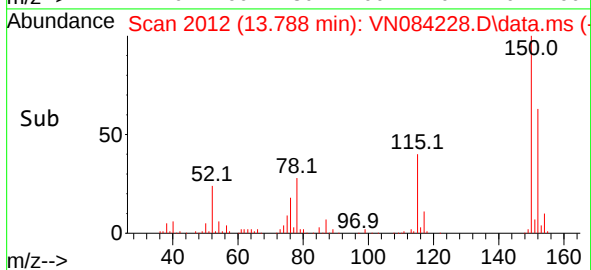
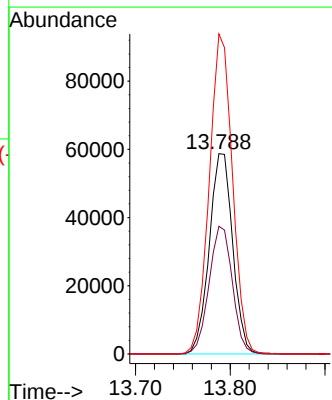
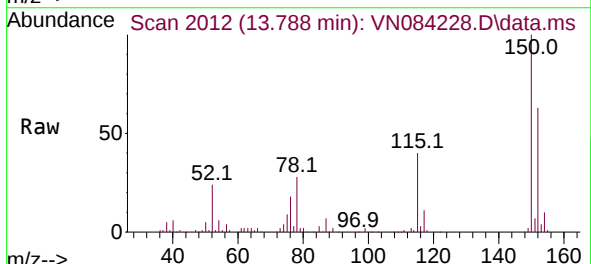
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20240918

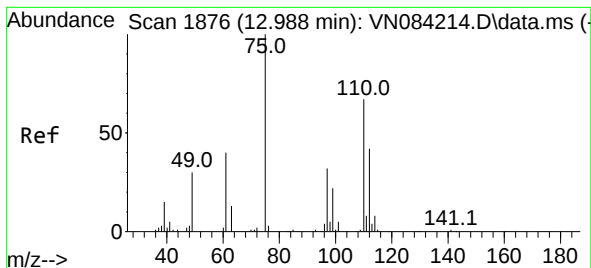
Tgt Ion:117 Resp: 245180
Ion Ratio Lower Upper
117 100
82 59.6 47.2 70.8
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion:152 Resp: 100934
Ion Ratio Lower Upper
152 100
115 63.3 31.3 93.9
150 158.0 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 29.686 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

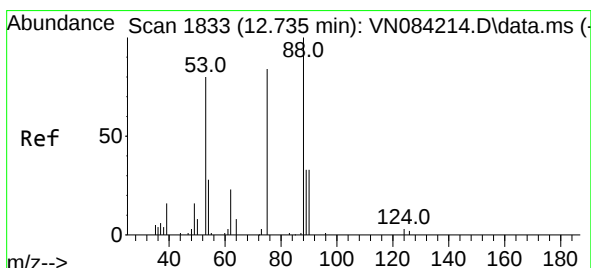
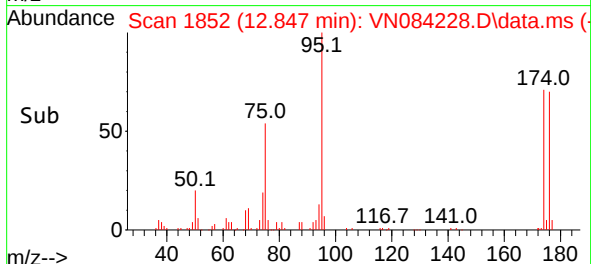
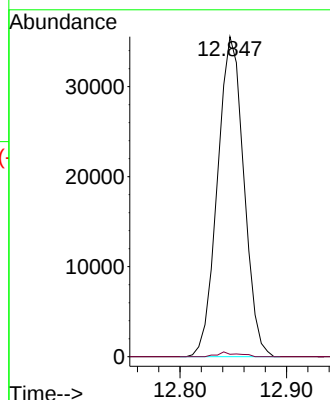
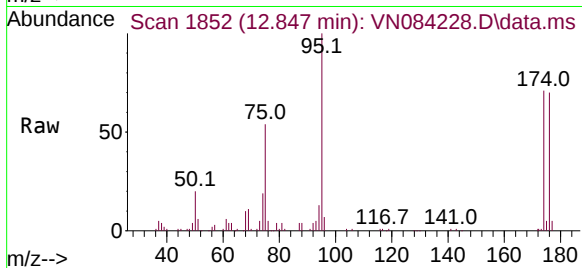
DUP05-20240918

Tgt Ion: 75 Resp: 61171

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.171 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

Tgt Ion: 75 Resp: 61171

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#

