

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081244.D
 Acq On : 28 Feb 2024 15:41
 Operator : JC\MD
 Sample : P1590-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP09-20240222

Quant Time: Feb 28 23:27:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

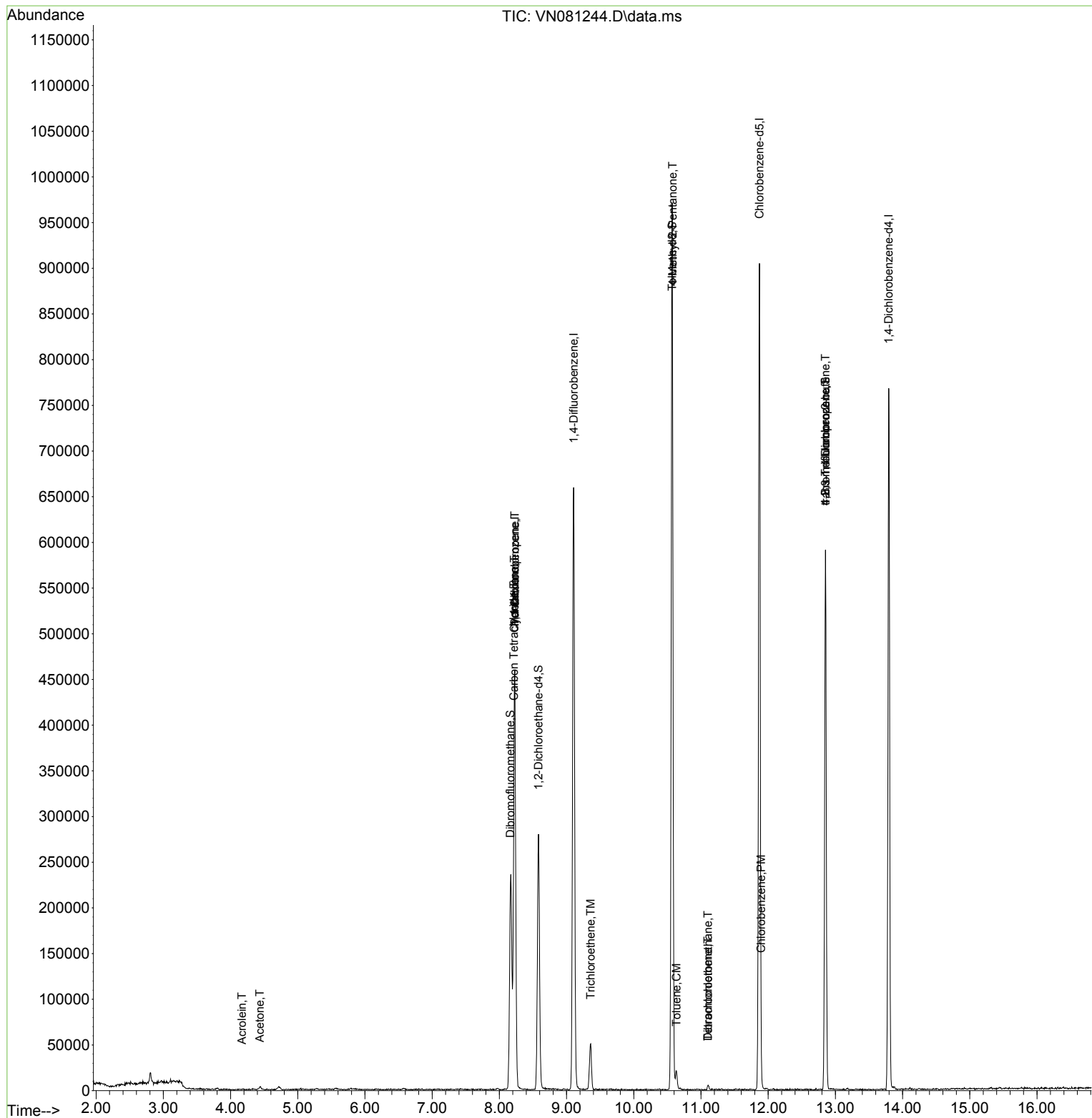
Internal Standards						
1) Pentafluorobenzene	8.229	168	310322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	574306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	509629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	192991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	217902	57.287	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.580%	
35) Dibromofluoromethane	8.165	113	169234	52.112	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.220%	
50) Toluene-d8	10.570	98	635479	55.095	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.180%	
62) 4-Bromofluorobenzene	12.853	95	204828	47.260	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1080	Below Cal	#	43
6) Chloroethane	3.124	64	321	Below Cal	#	42
13) Acrolein	4.171	56	448	1.195	ug/l #	15
16) Acetone	4.436	43	4732	3.162	ug/l #	83
20) Methylene Chloride	5.265	84	388	Below Cal	#	4
31) Cyclohexane	8.224	56	8705	1.325	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	30488	5.480	ug/l #	51
38) Carbon Tetrachloride	8.218	117	35874	6.373	ug/l #	18
44) Trichloroethene	9.359	130	18190	4.241	ug/l	83
51) 4-Methyl-2-Pentanone	10.576	43	2667	0.528	ug/l #	1
52) Toluene	10.635	92	8222	0.806	ug/l	95
60) Dibromochloromethane	11.106	129	1044	0.251	ug/l #	10
64) Tetrachloroethene	11.106	164	902	0.259	ug/l #	75
65) Chlorobenzene	11.894	112	2472	0.224	ug/l #	65
76) 1,2,3-Trichloropropane	12.853	75	111520	25.433	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	111520	65.462	ug/l #	14

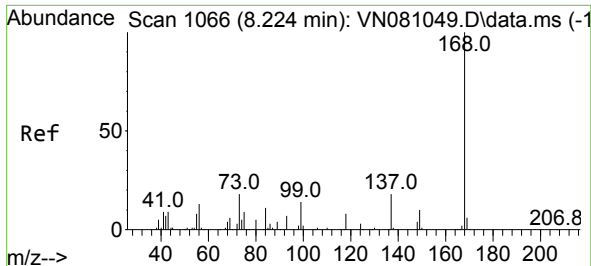
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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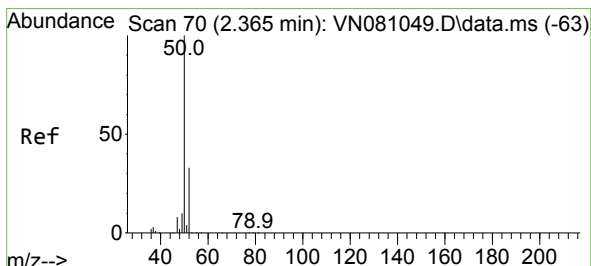
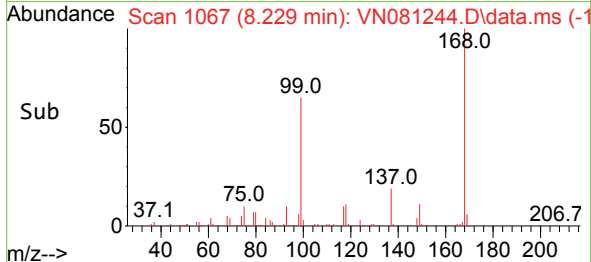
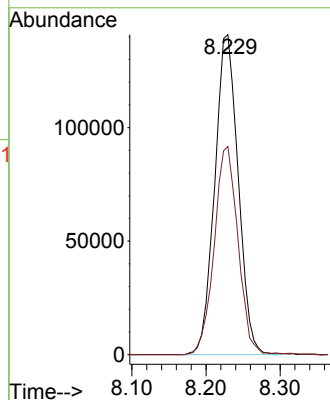
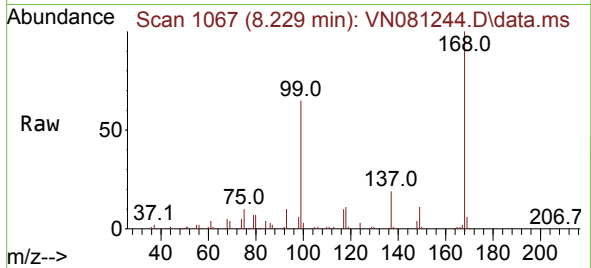




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

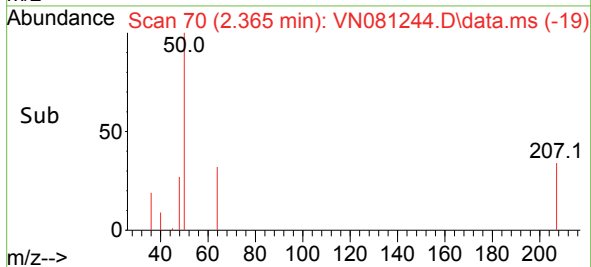
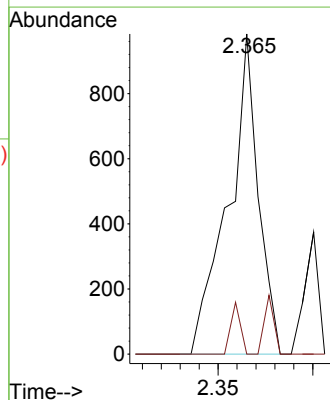
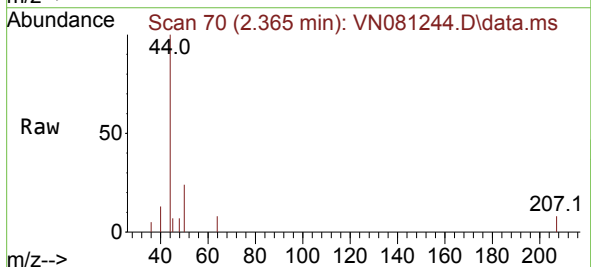
Instrument :
MSVOA_N
ClientSampleId :
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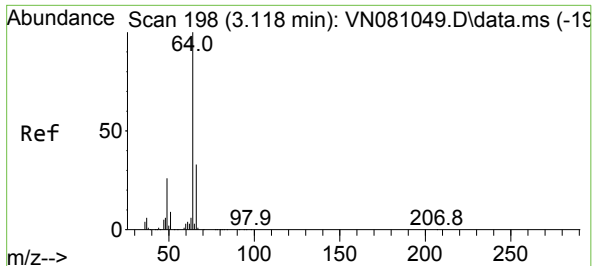
Tgt Ion:168 Resp: 310322
Ion Ratio Lower Upper
168 100
99 65.1 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

Tgt Ion: 50 Resp: 1080
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

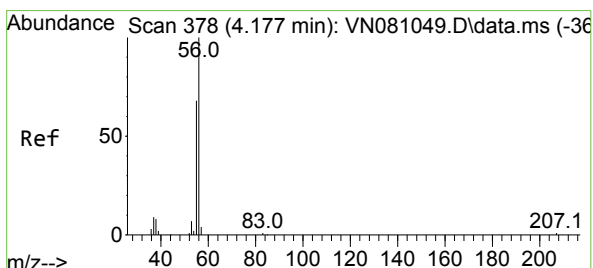
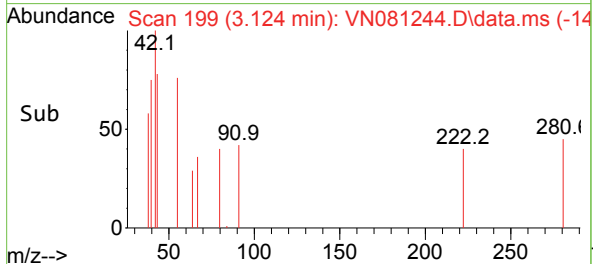
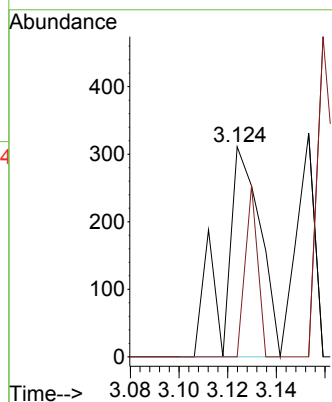
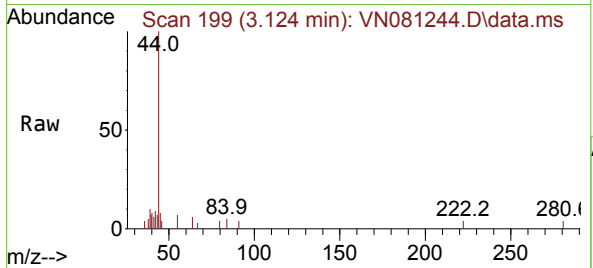




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

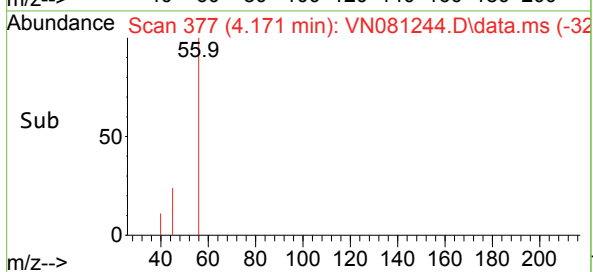
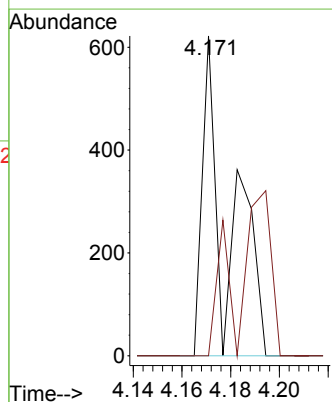
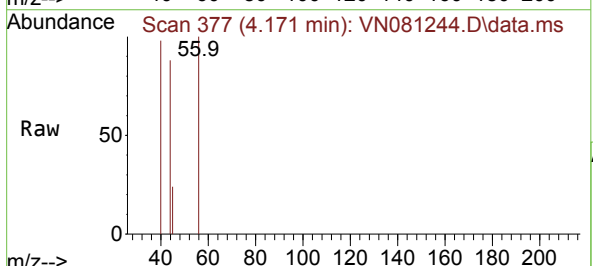
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240222

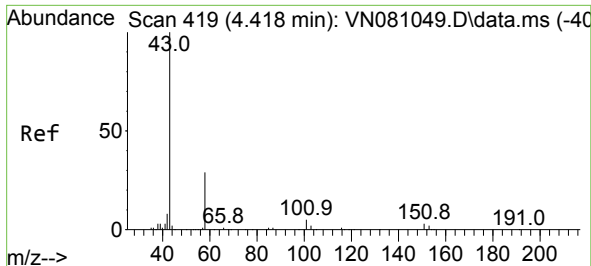
Tgt Ion: 64 Resp: 321
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 1.195 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

Tgt Ion: 56 Resp: 448
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

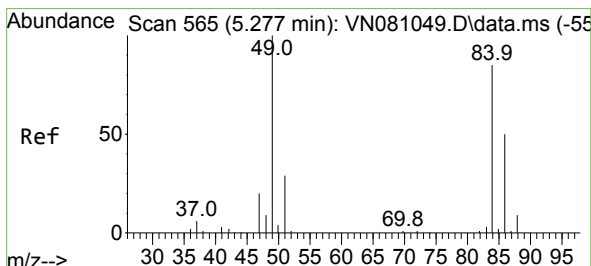
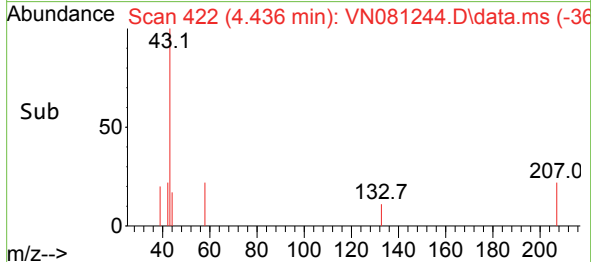
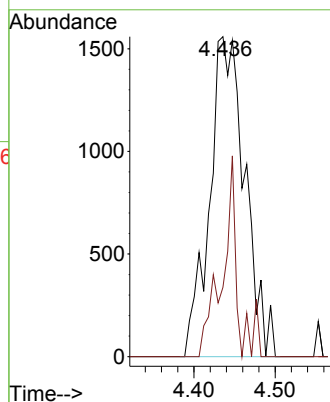
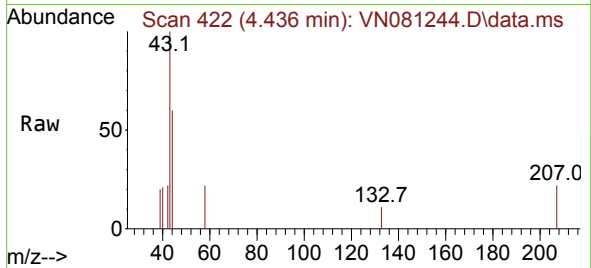




#16
Acetone
Concen: 3.162 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

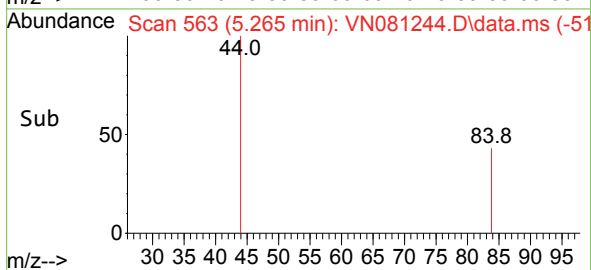
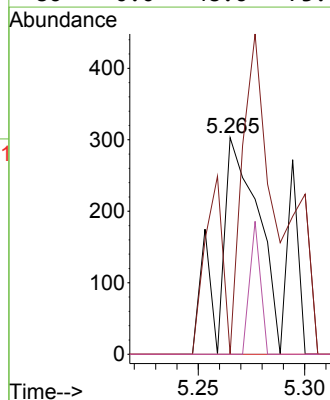
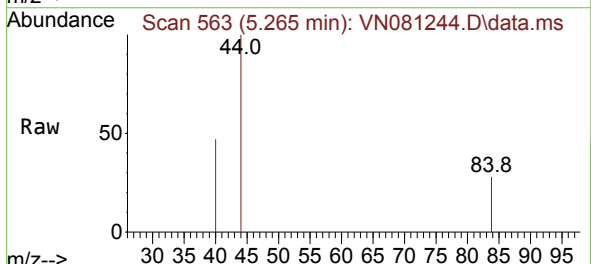
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240222

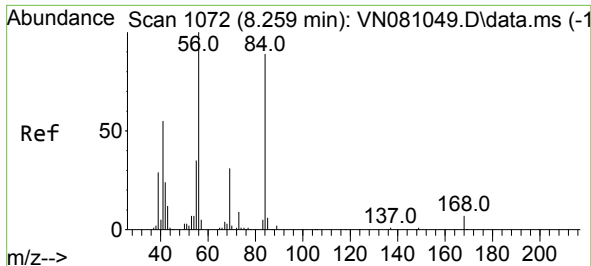
Tgt Ion: 43 Resp: 4732
Ion Ratio Lower Upper
43 100
58 21.6 24.8 37.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

Tgt Ion: 84 Resp: 388
Ion Ratio Lower Upper
84 100
49 0.0 108.1 162.1#
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#

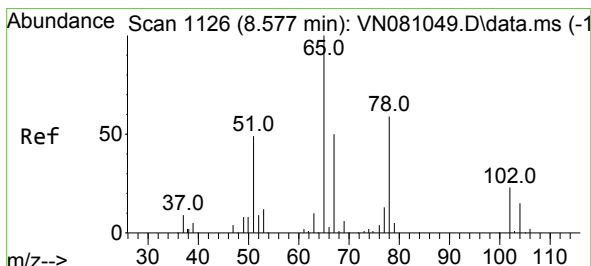
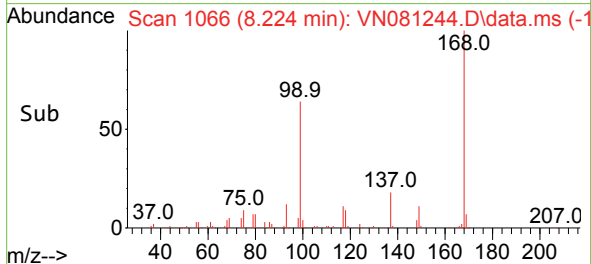
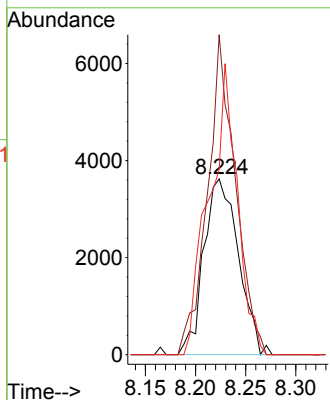
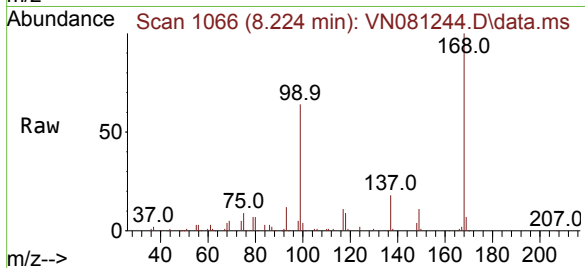




#31
Cyclohexane
Concen: 1.325 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.036 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

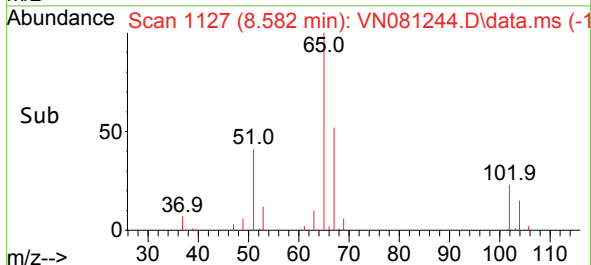
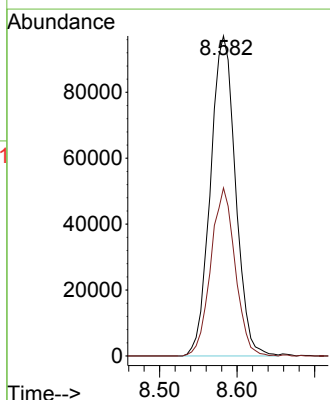
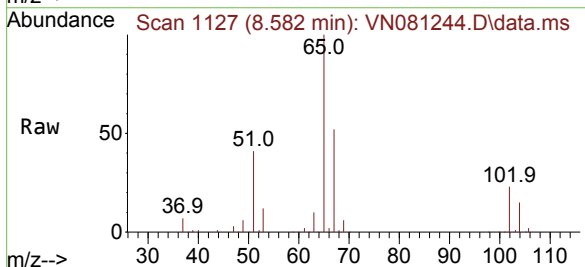
Instrument :
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ClientSampleId :
DUP09-20240222

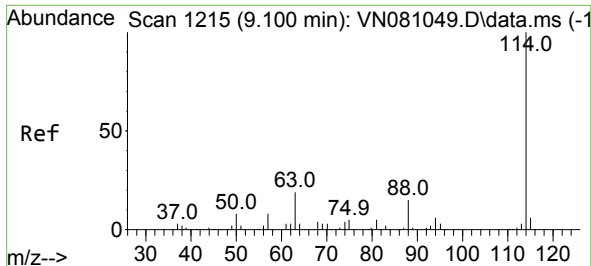
Tgt Ion: 56 Resp: 8705
Ion Ratio Lower Upper
56 100
69 182.2 20.1 30.1#
84 105.4 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 57.287 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

Tgt Ion: 65 Resp: 217902
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.4

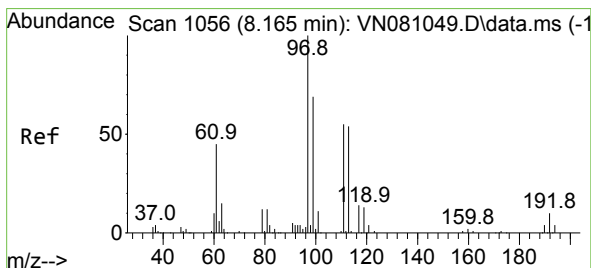
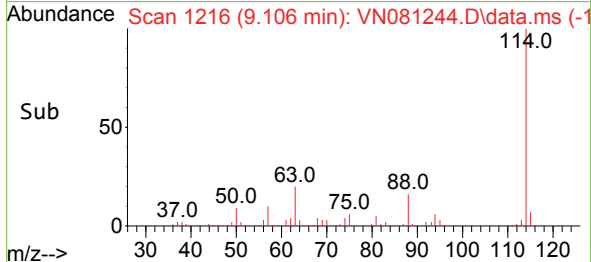
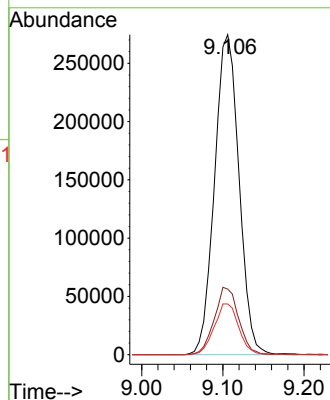
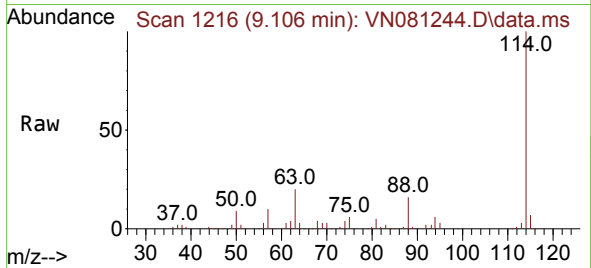




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

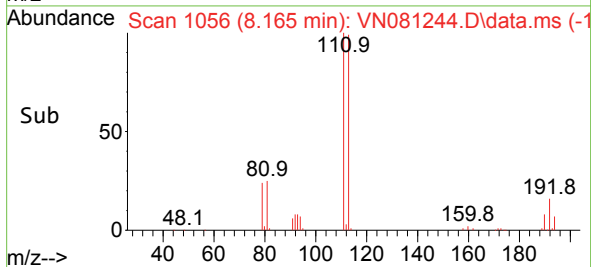
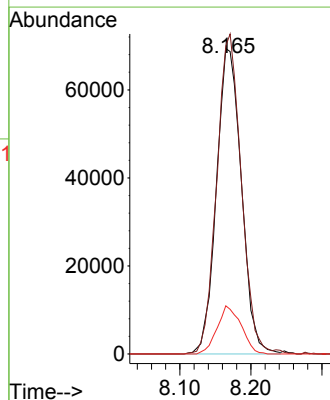
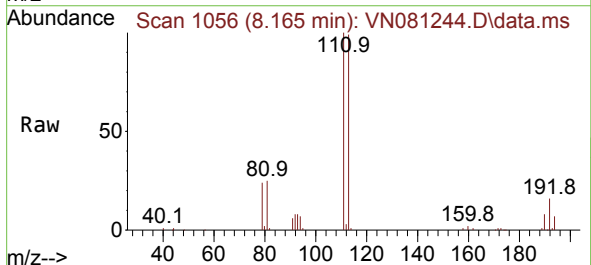
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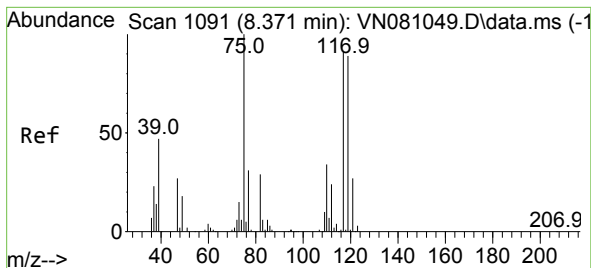
Tgt Ion:114 Resp: 574306
Ion Ratio Lower Upper
114 100
63 20.5 0.0 48.0
88 15.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 52.112 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

Tgt Ion:113 Resp: 169234
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 15.2 12.5 18.7

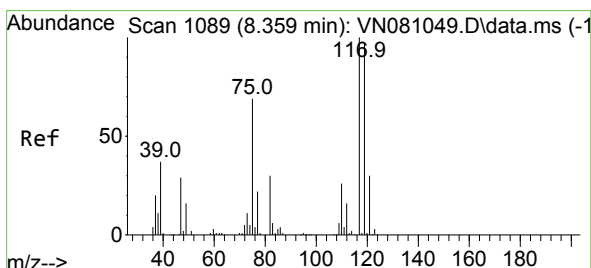
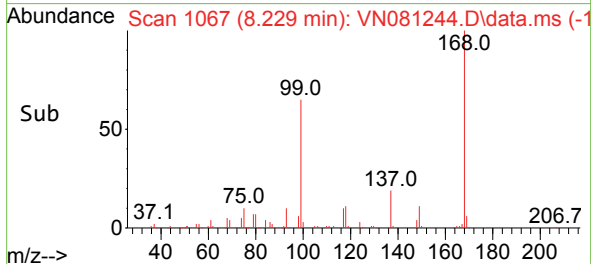
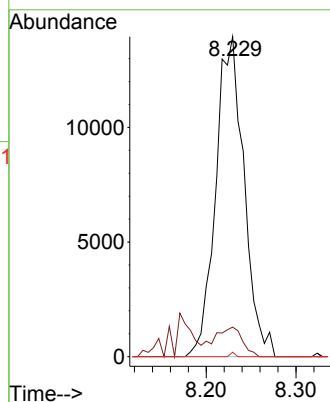
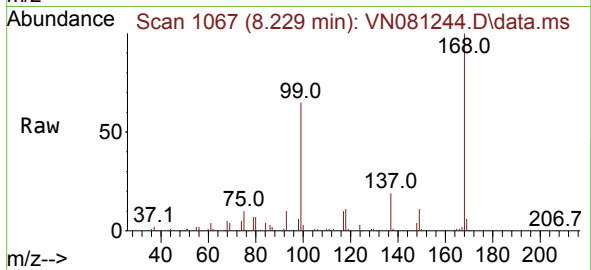




#36
1,1-Dichloropropene
Concen: 5.480 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

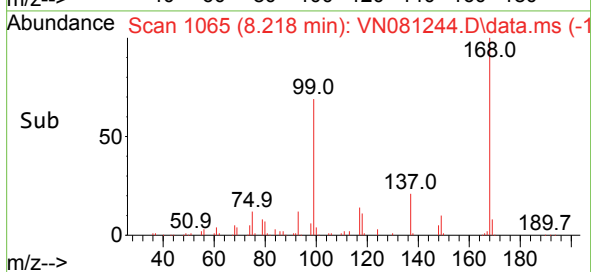
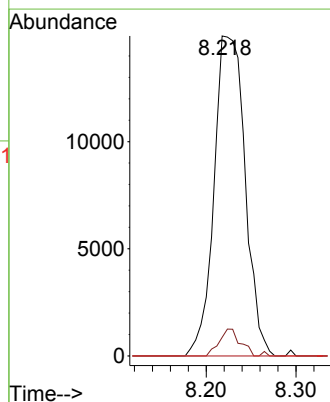
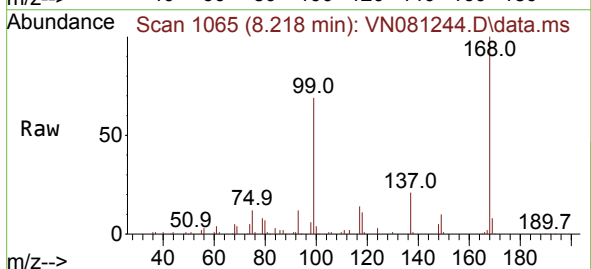
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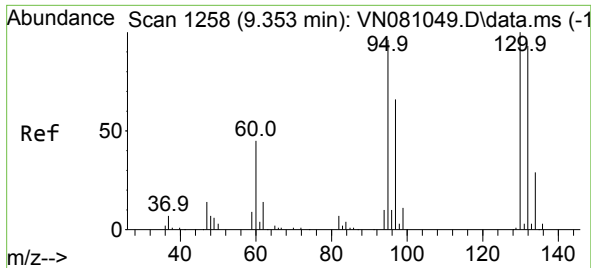
Tgt Ion: 75 Resp: 30488
Ion Ratio Lower Upper
75 100
110 9.3 16.0 48.0#
77 0.2 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.373 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

Tgt Ion: 117 Resp: 35874
Ion Ratio Lower Upper
117 100
119 5.8 73.4 110.2#
121 0.0 24.4 36.6#

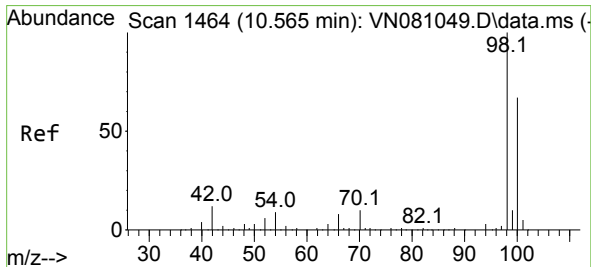
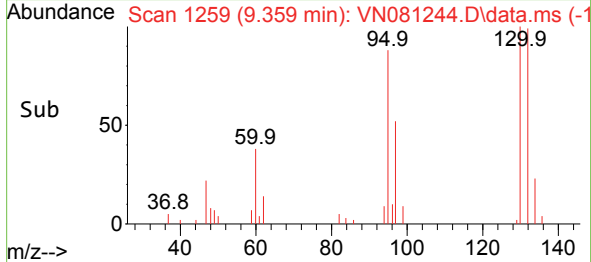
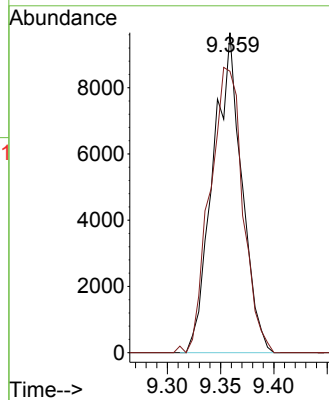
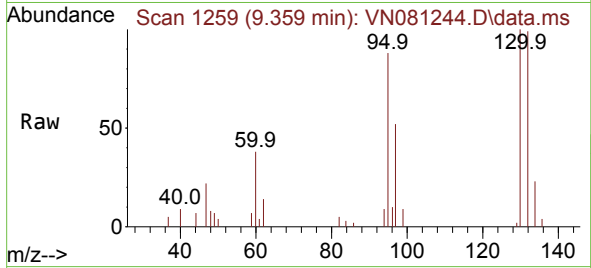




#44
Trichloroethene
Concen: 4.241 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

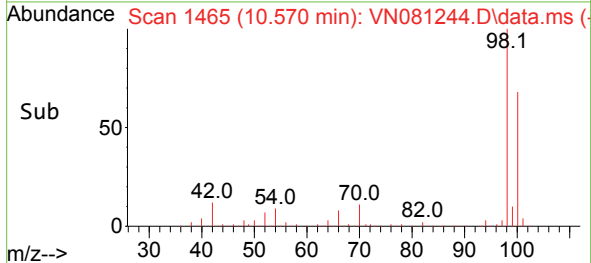
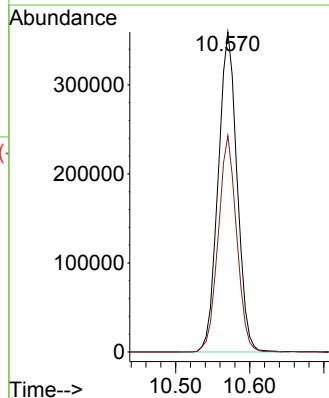
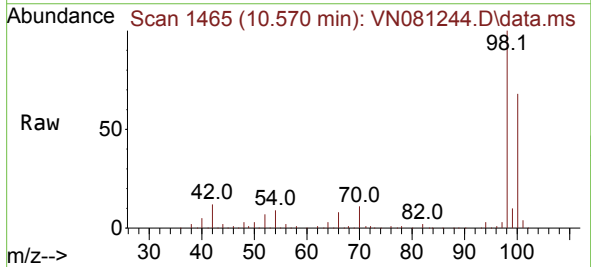
Instrument :
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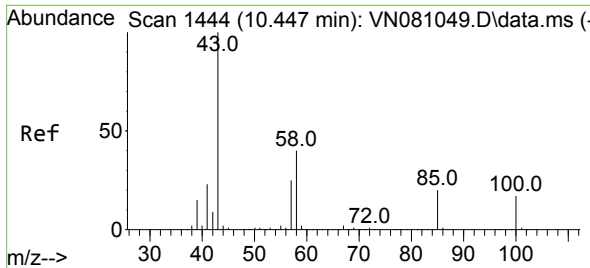
Tgt Ion:130 Resp: 18190
Ion Ratio Lower Upper
130 100
95 88.0 0.0 210.4



#50
Toluene-d8
Concen: 55.095 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

Tgt Ion: 98 Resp: 635479
Ion Ratio Lower Upper
98 100
100 66.1 51.4 77.0

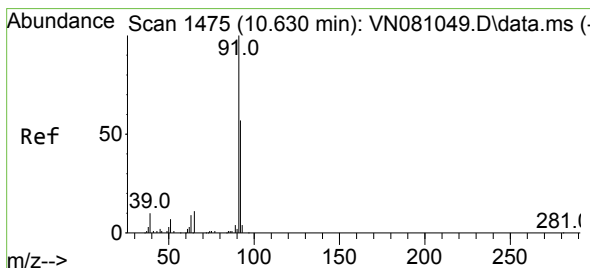
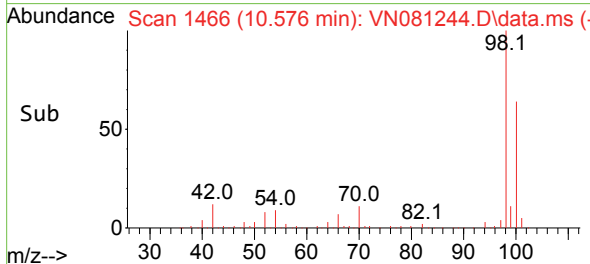
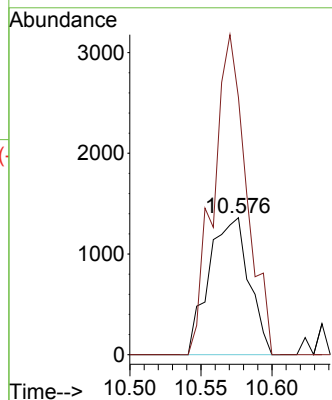
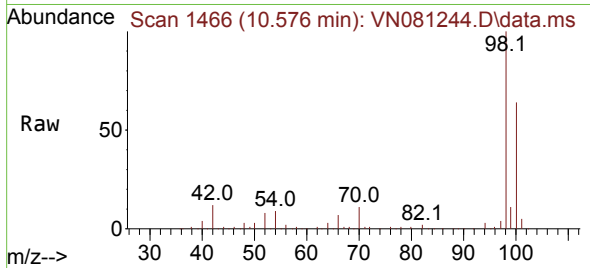




#51
4-Methyl-2-Pentanone
Concen: 0.528 ug/l
RT: 10.576 min Scan# 1444
Delta R.T. 0.129 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

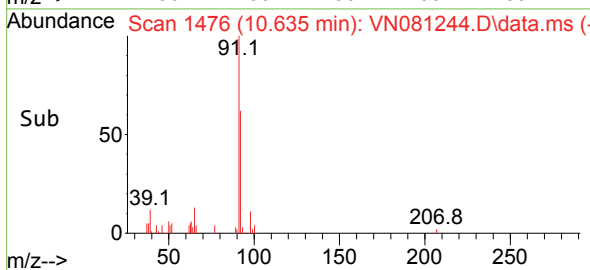
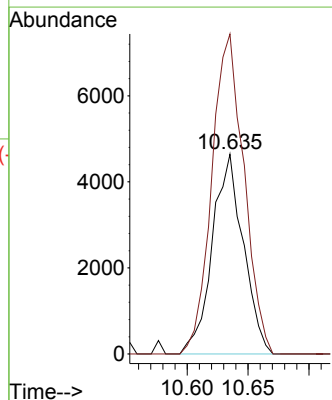
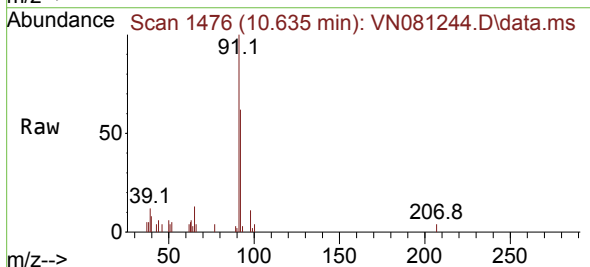
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240222

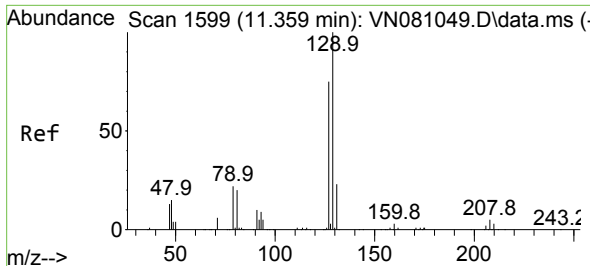
Tgt Ion: 43 Resp: 2667
Ion Ratio Lower Upper
43 100
58 193.6 29.4 44.0#



#52
Toluene
Concen: 0.806 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

Tgt Ion: 92 Resp: 8222
Ion Ratio Lower Upper
92 100
91 166.6 139.4 209.0

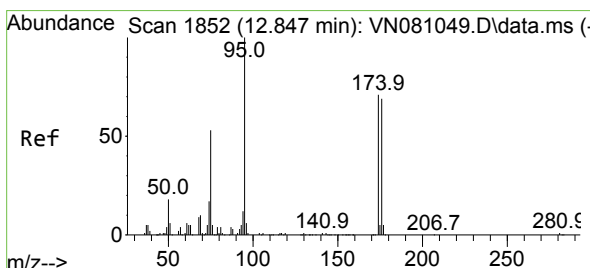
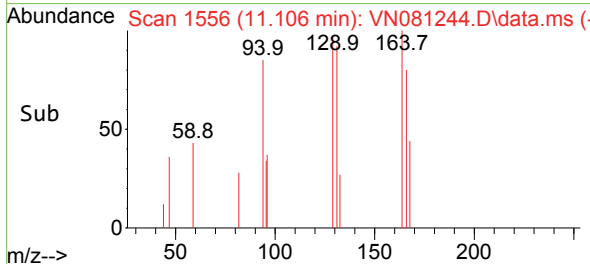
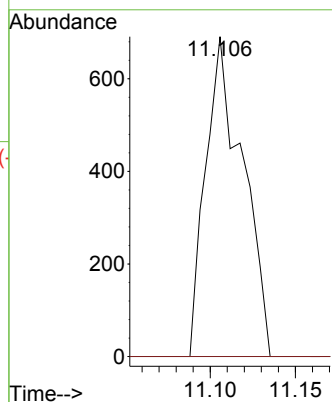
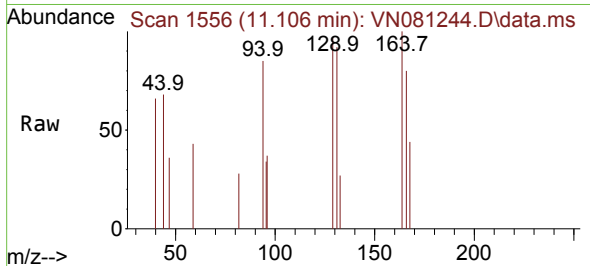




#60
 Dibromochloromethane
 Concen: 0.251 ug/l
 RT: 11.106 min Scan# 11
 Delta R.T. -0.253 min
 Lab File: VN081244.D
 Acq: 28 Feb 2024 15:41

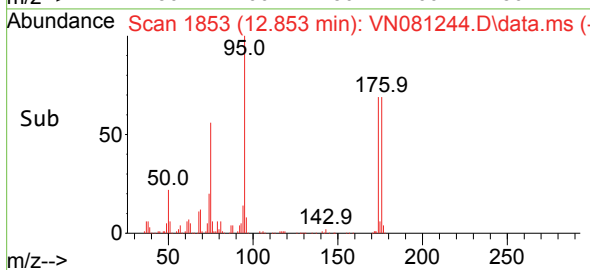
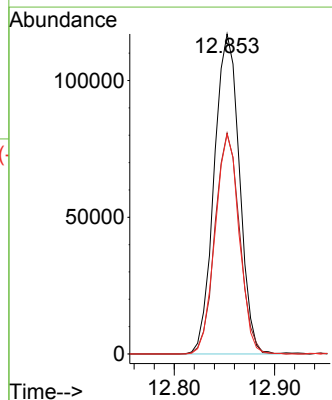
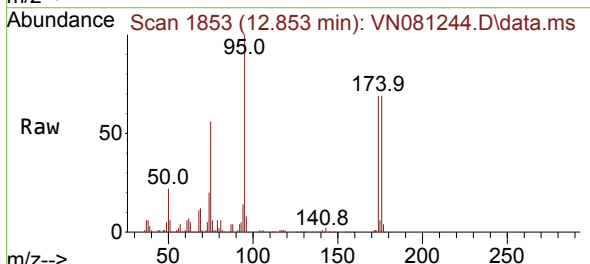
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP09-20240222

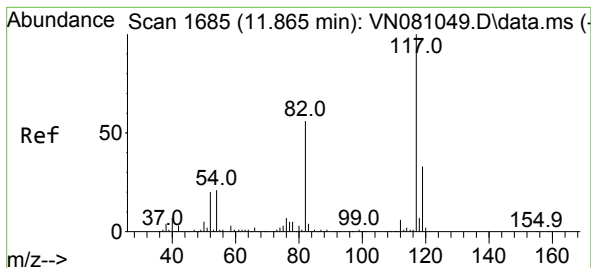
Tgt Ion:129 Resp: 1044
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.4 118.2#



#62
 4-Bromofluorobenzene
 Concen: 47.260 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN081244.D
 Acq: 28 Feb 2024 15:41

Tgt Ion: 95 Resp: 204828
 Ion Ratio Lower Upper
 95 100
 174 67.1 0.0 120.4
 176 65.4 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081244.D

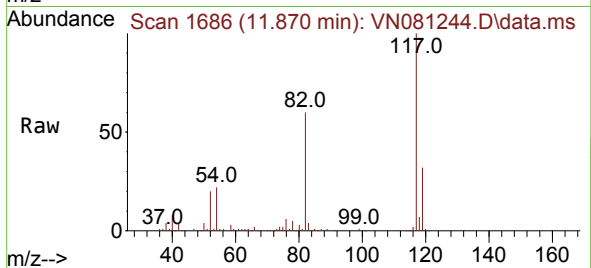
Acq: 28 Feb 2024 15:41

Instrument :

MSVOA_N

ClientSampleId :

DUP09-20240222



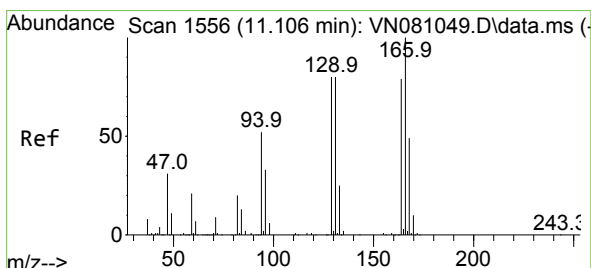
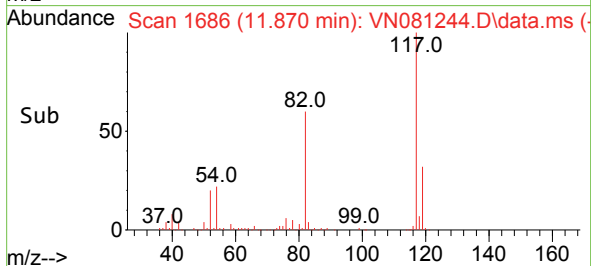
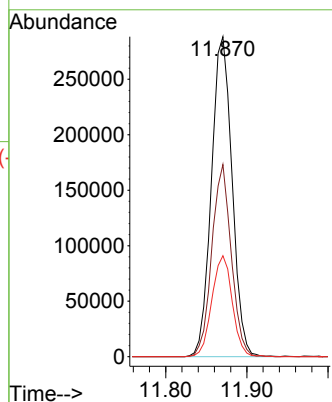
Tgt Ion:117 Resp: 509629

Ion Ratio Lower Upper

117 100

82 60.1 52.7 79.1

119 31.6 25.3 37.9



#64

Tetrachloroethene

Concen: 0.259 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN081244.D

Acq: 28 Feb 2024 15:41

Tgt Ion:164 Resp: 902

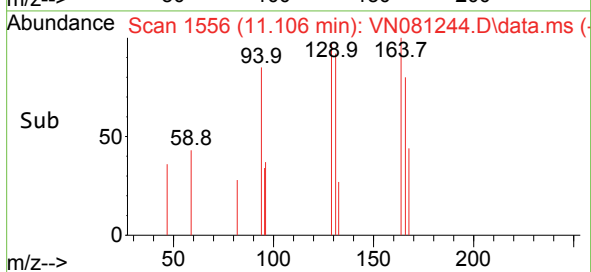
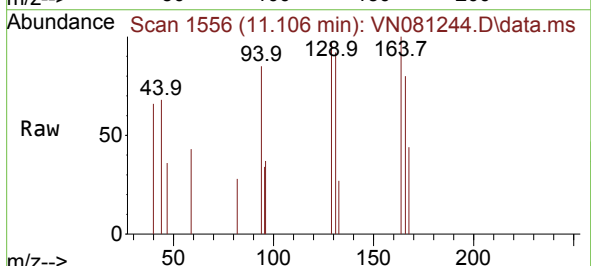
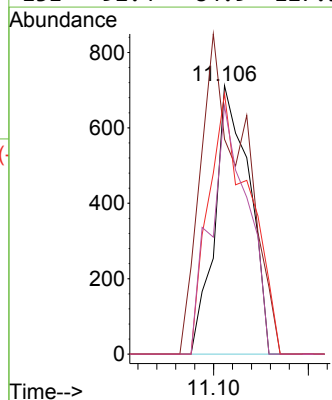
Ion Ratio Lower Upper

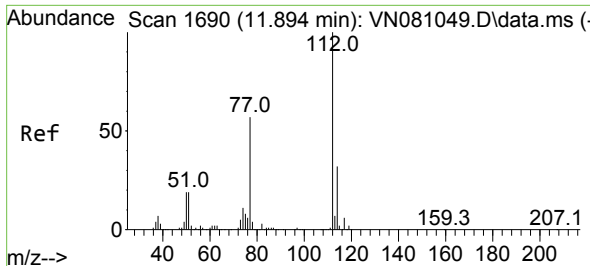
164 100

166 80.1 105.8 158.6#

129 97.1 89.6 134.4

131 92.4 84.9 127.3

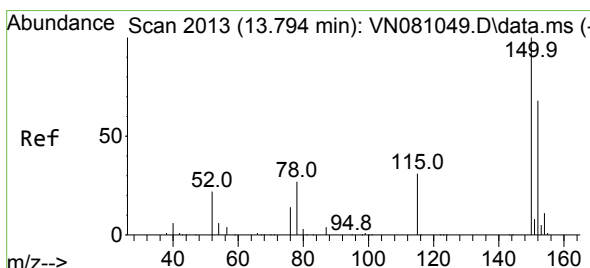
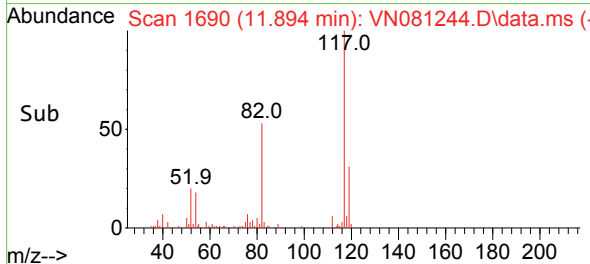
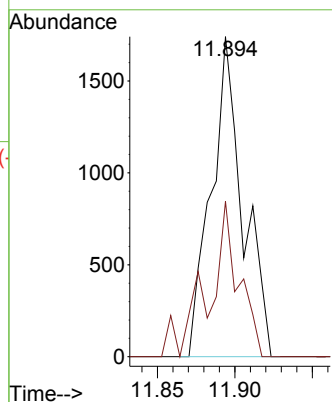
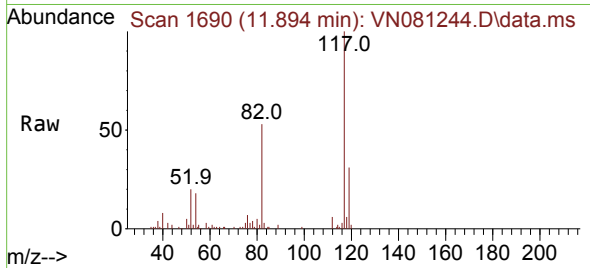




#65
Chlorobenzene
Concen: 0.224 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

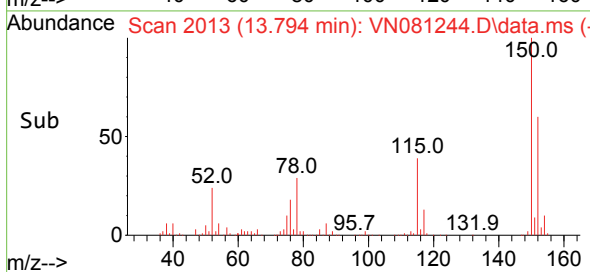
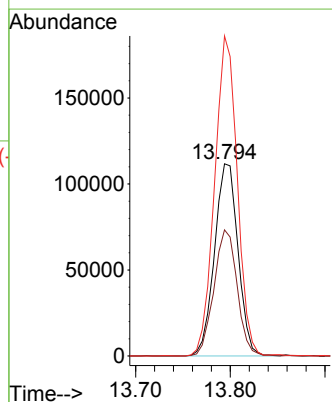
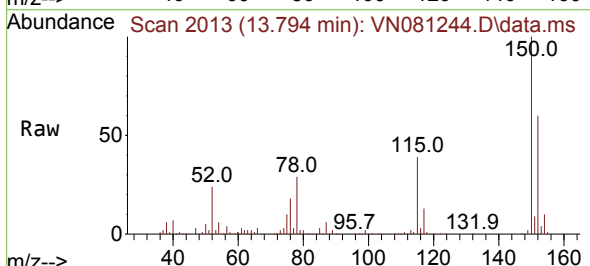
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240222

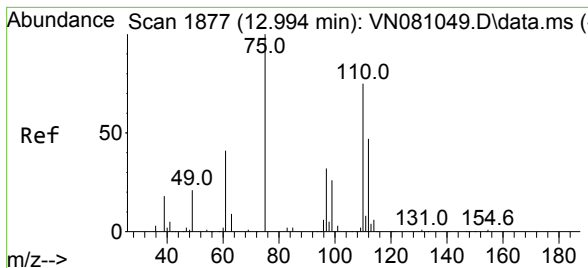
Tgt Ion:112 Resp: 2472
Ion Ratio Lower Upper
112 100
114 48.5 23.7 35.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081244.D
Acq: 28 Feb 2024 15:41

Tgt Ion:152 Resp: 192991
Ion Ratio Lower Upper
152 100
115 64.6 32.3 96.8
150 159.8 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 25.433 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081244.D

Acq: 28 Feb 2024 15:41

Instrument :

MSVOA_N

ClientSampleId :

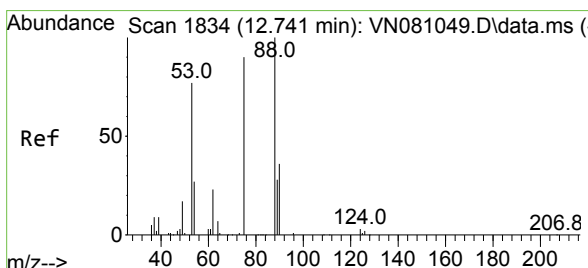
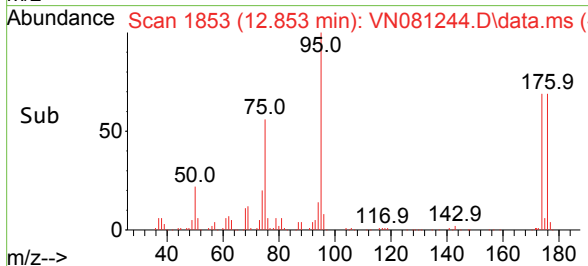
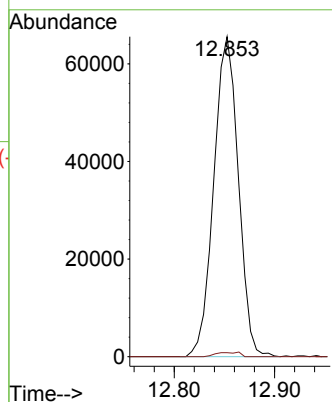
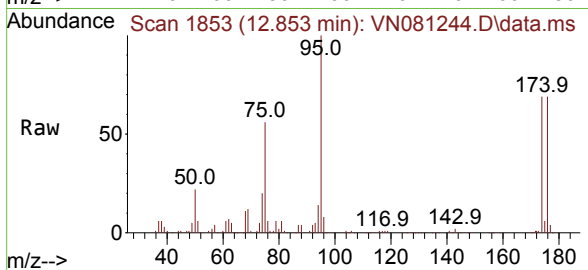
DUP09-20240222

Tgt Ion: 75 Resp: 111520

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.462 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081244.D

Acq: 28 Feb 2024 15:41

Tgt Ion: 75 Resp: 111520

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.2#

89 0.0 33.4 50.0#

