

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022624\
 Data File : VN081201.D
 Acq On : 26 Feb 2024 17:40
 Operator : JC\MD
 Sample : P1533-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D2-20240219

Quant Time: Feb 27 00:14:07 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)

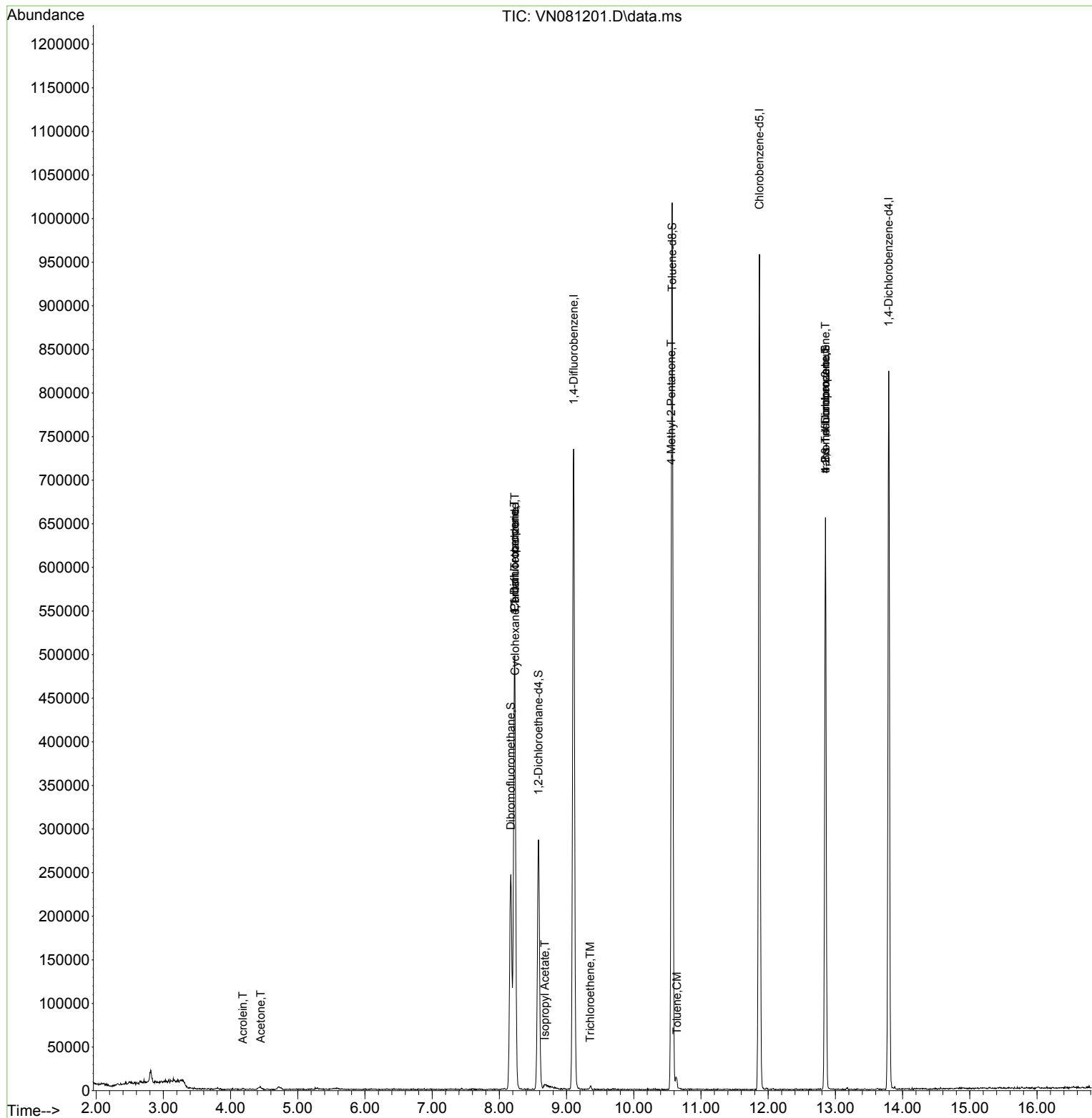
Internal Standards						
1) Pentafluorobenzene	8.230	168	343023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	644022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	544322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	204439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	232188	55.224	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.440%	
35) Dibromofluoromethane	8.171	113	175980	48.323	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.640%	
50) Toluene-d8	10.571	98	688806	53.253	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.500%	
62) 4-Bromofluorobenzene	12.853	95	219472	45.157	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	907	Below Cal		96
6) Chloroethane	3.148	64	422	Below Cal	#	42
13) Acrolein	4.183	56	454	1.095	ug/l #	30
16) Acetone	4.447	43	5332	3.223	ug/l #	83
20) Methylene Chloride	5.271	84	346	Below Cal	#	73
31) Cyclohexane	8.235	56	9355	1.289	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	31308	5.018	ug/l #	51
38) Carbon Tetrachloride	8.230	117	39860	6.315	ug/l #	18
43) Isopropyl Acetate	8.677	43	2822	0.287	ug/l #	57
44) Trichloroethene	9.353	130	1392	0.289	ug/l	64
51) 4-Methyl-2-Pentanone	10.559	43	3619	0.639	ug/l #	1
52) Toluene	10.641	92	5674	0.496	ug/l	98
76) 1,2,3-Trichloropropane	12.853	75	118868	25.591	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	118868	65.868	ug/l #	14

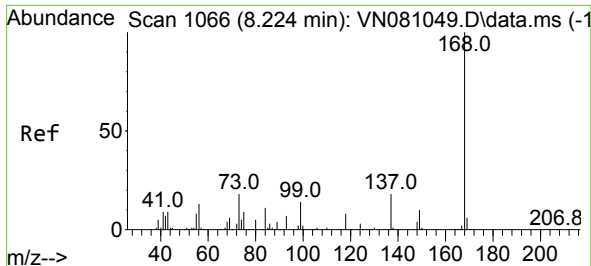
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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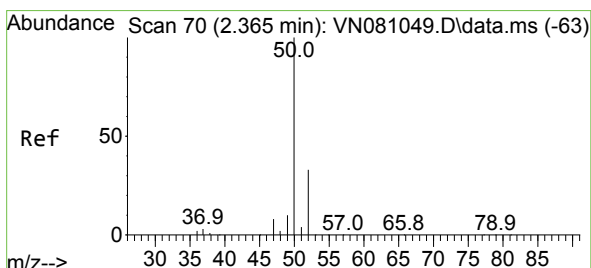
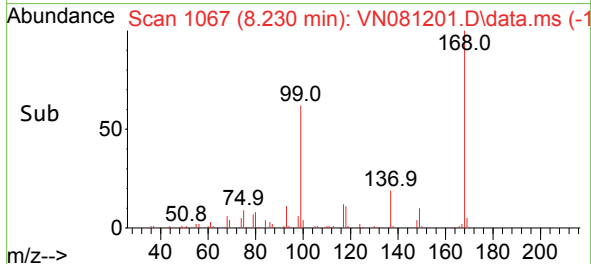
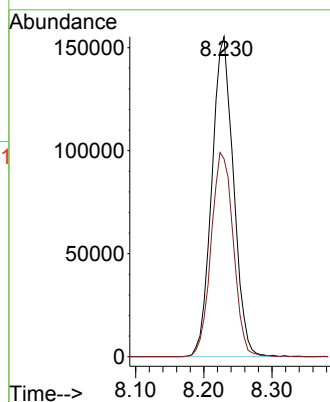
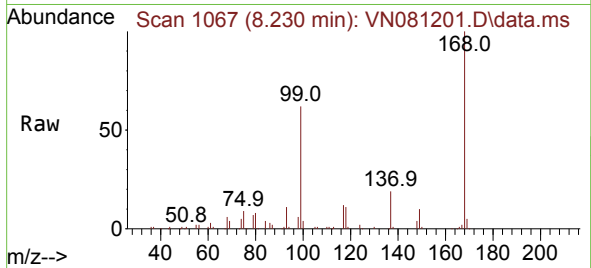




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

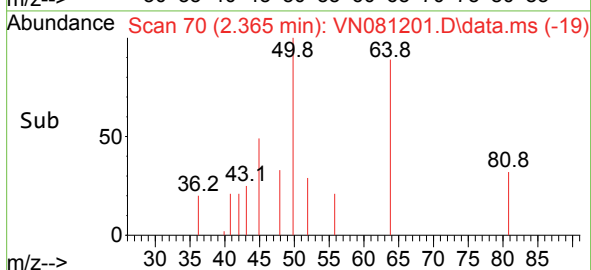
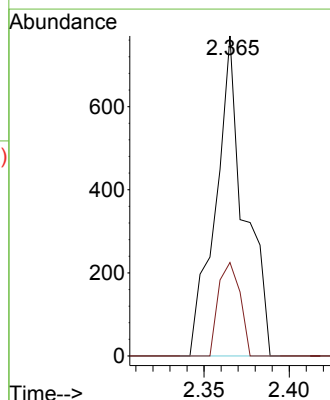
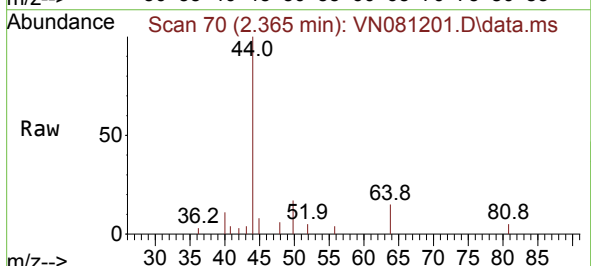
Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20240219

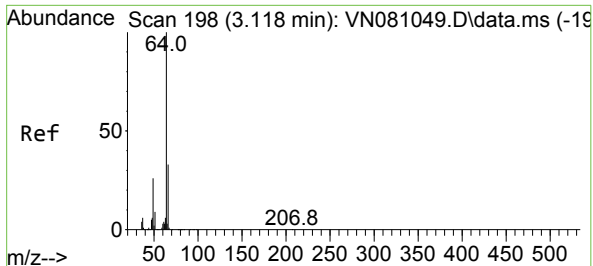
Tgt Ion:168 Resp: 343023
Ion Ratio Lower Upper
168 100
99 61.8 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

Tgt Ion: 50 Resp: 907
Ion Ratio Lower Upper
50 100
52 29.2 25.0 37.4

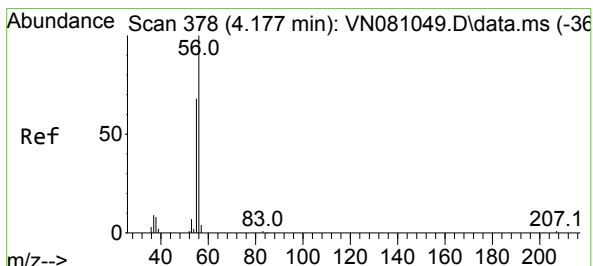
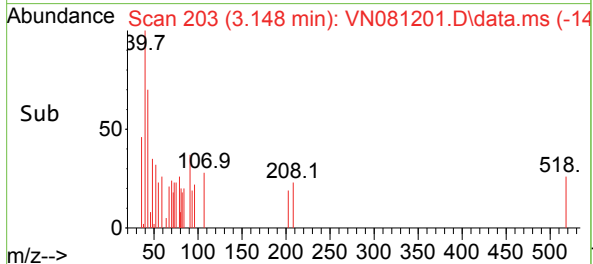
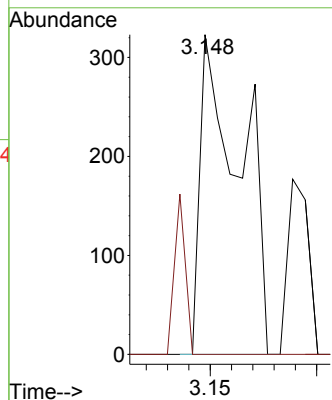
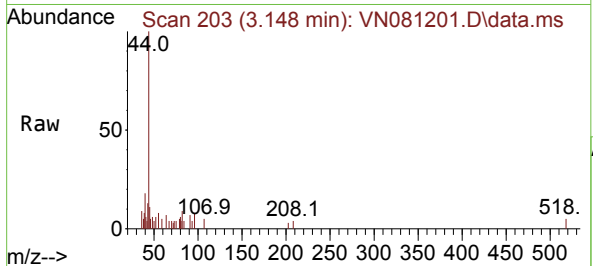




#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 20
Delta R.T. 0.030 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

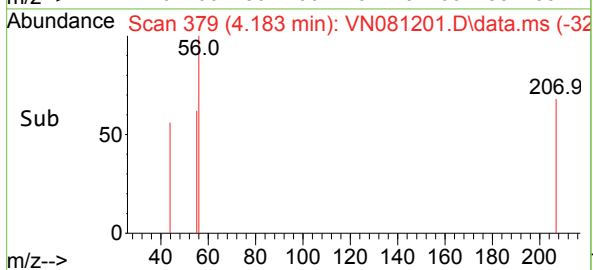
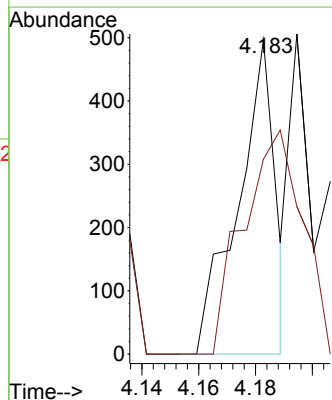
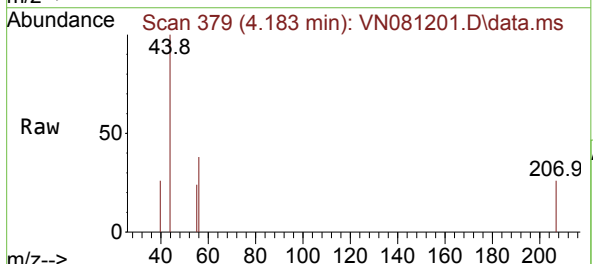
Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20240219

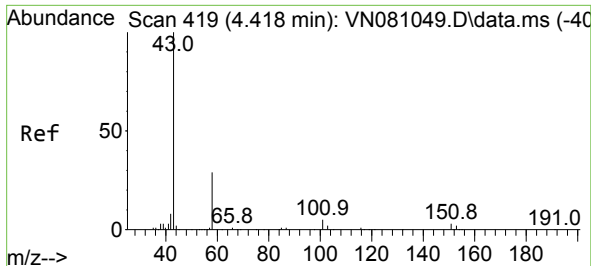
Tgt Ion: 64 Resp: 422
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 1.095 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

Tgt Ion: 56 Resp: 454
Ion Ratio Lower Upper
56 100
55 125.8 55.3 82.9#

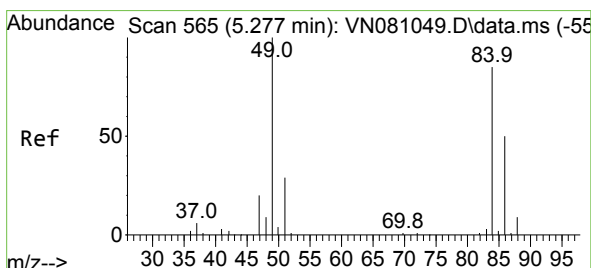
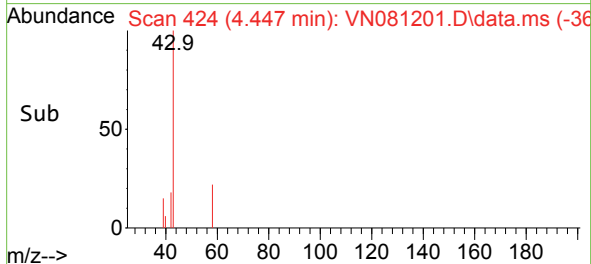
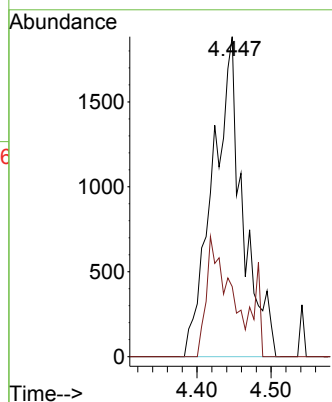
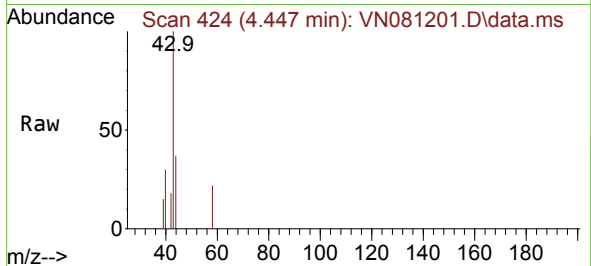




#16
Acetone
Concen: 3.223 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

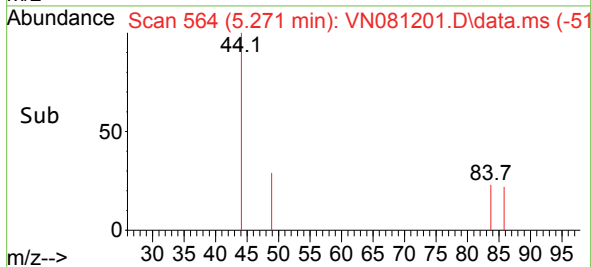
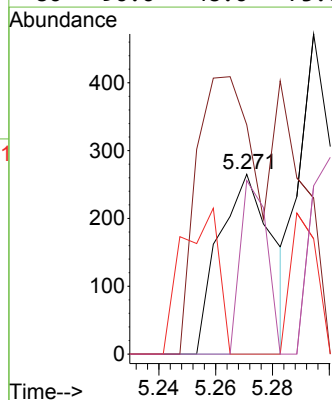
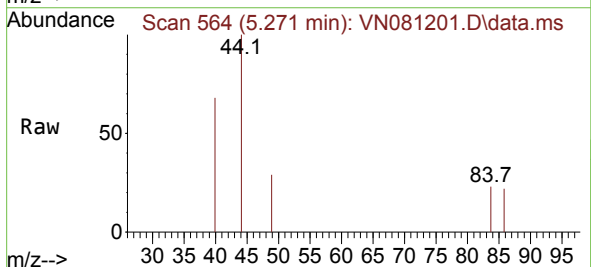
Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20240219

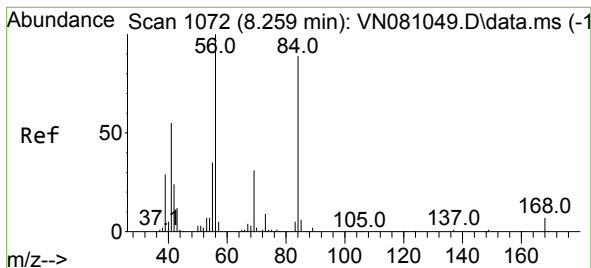
Tgt Ion: 43 Resp: 5332
Ion Ratio Lower Upper
43 100
58 21.9 24.8 37.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

Tgt Ion: 84 Resp: 346
Ion Ratio Lower Upper
84 100
49 127.5 108.1 162.1
51 0.0 32.9 49.3#
86 96.6 48.6 73.0#





#31

Cyclohexane

Concen: 1.289 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.024 min

Lab File: VN081201.D

Acq: 26 Feb 2024 17:40

Instrument :

MSVOA_N

ClientSampleId :

RE117D2-20240219

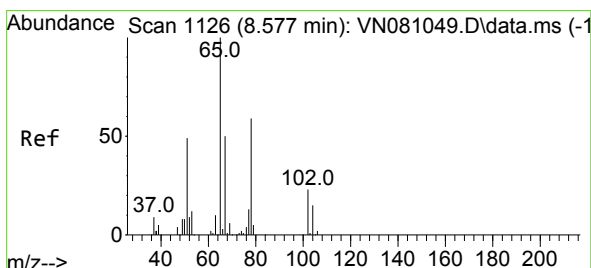
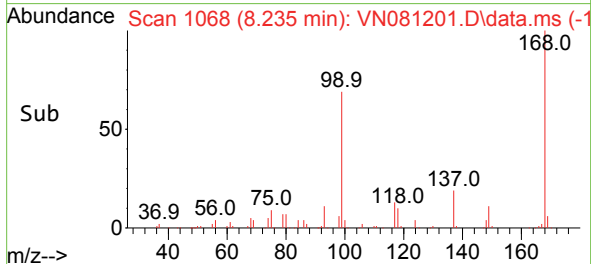
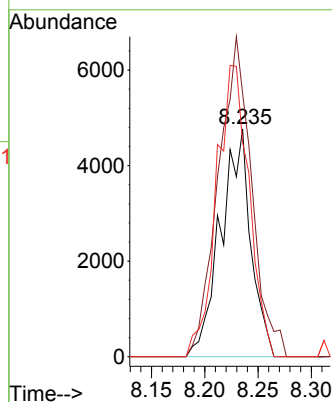
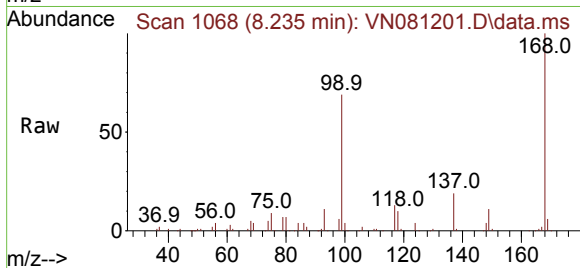
Tgt Ion: 56 Resp: 9355

Ion Ratio Lower Upper

56 100

69 115.6 20.1 30.1#

84 94.0 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 55.224 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081201.D

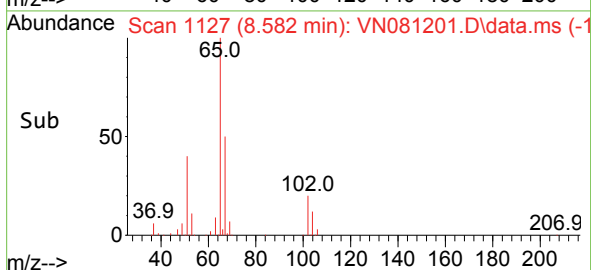
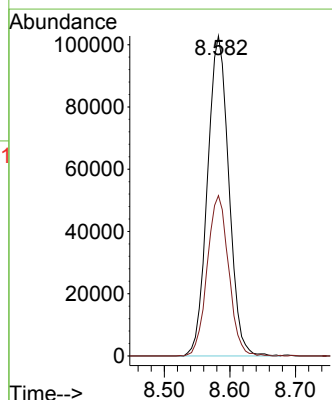
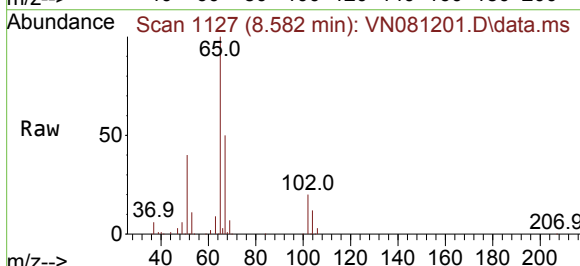
Acq: 26 Feb 2024 17:40

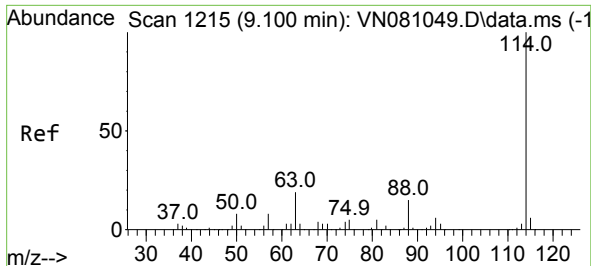
Tgt Ion: 65 Resp: 232188

Ion Ratio Lower Upper

65 100

67 50.3 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: VN081201.D

Acq: 26 Feb 2024 17:40

Instrument :

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RE117D2-20240219

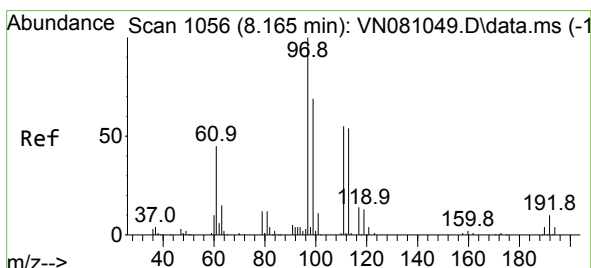
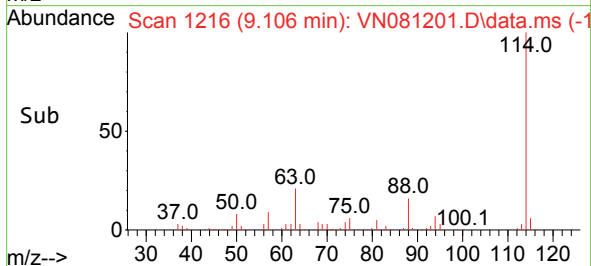
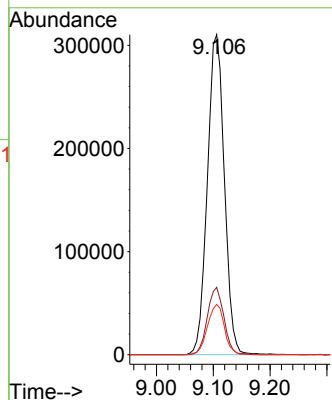
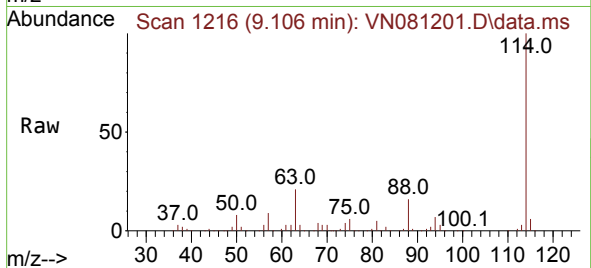
Tgt Ion:114 Resp: 644022

Ion Ratio Lower Upper

114 100

63 21.0 0.0 48.0

88 15.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.323 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081201.D

Acq: 26 Feb 2024 17:40

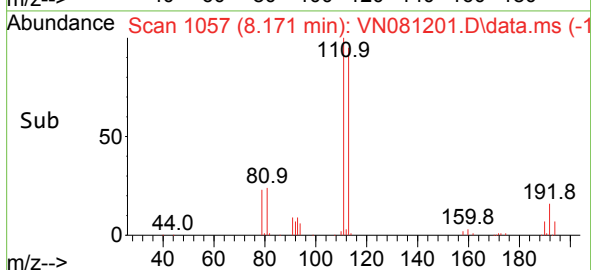
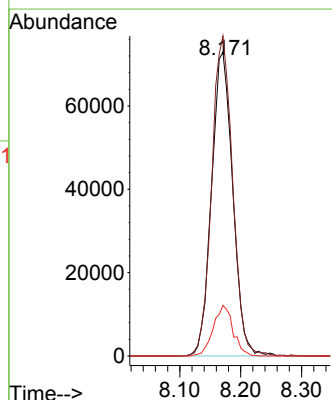
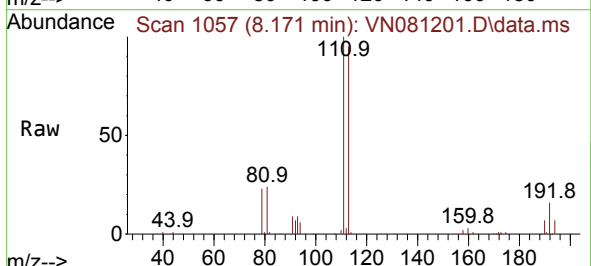
Tgt Ion:113 Resp: 175980

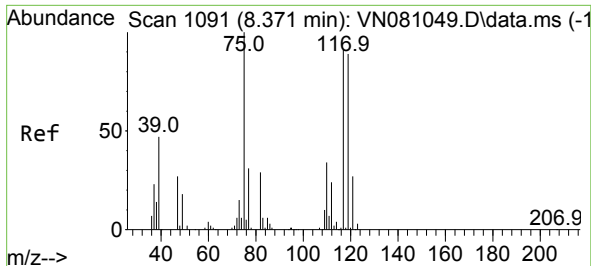
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

192 15.6 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.018 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081201.D

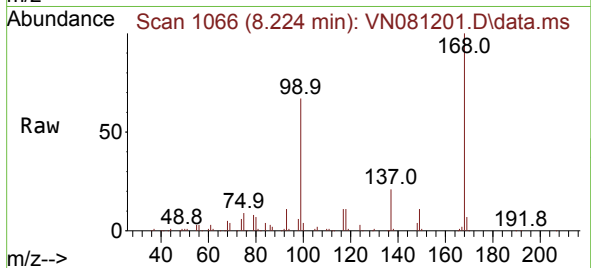
Acq: 26 Feb 2024 17:40

Instrument :

MSVOA_N

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RE117D2-20240219



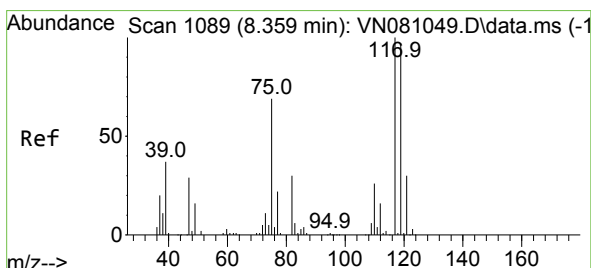
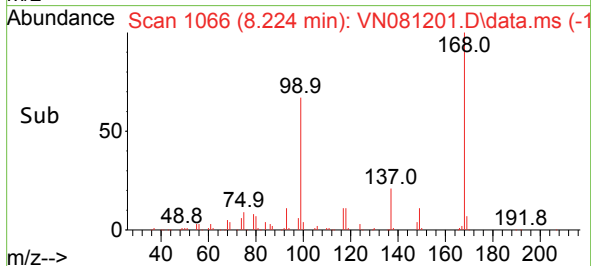
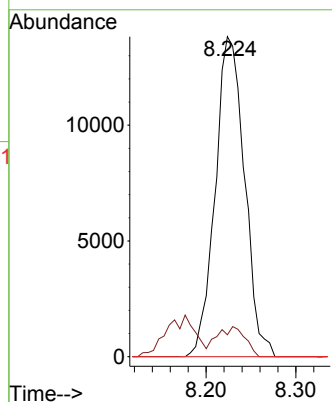
Tgt Ion: 75 Resp: 31308

Ion Ratio Lower Upper

75 100

110 9.0 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.315 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN081201.D

Acq: 26 Feb 2024 17:40

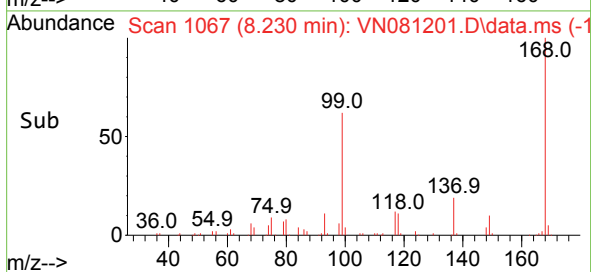
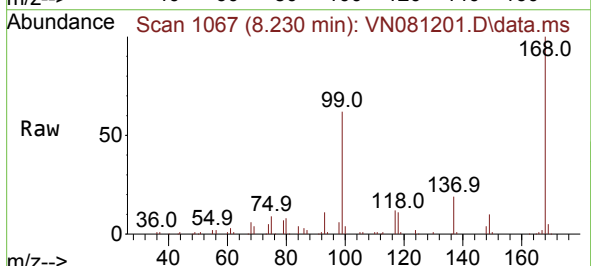
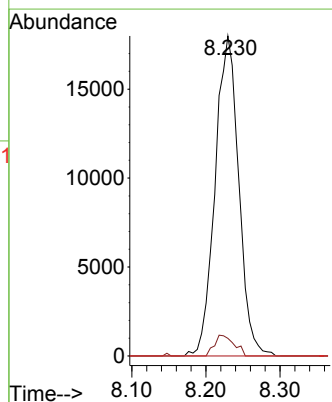
Tgt Ion: 117 Resp: 39860

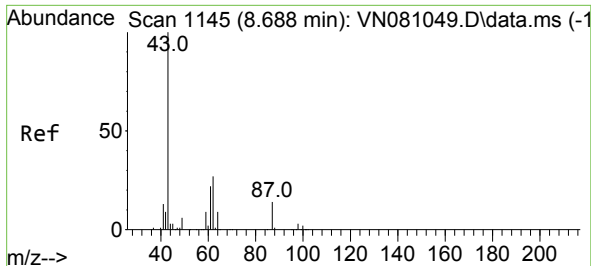
Ion Ratio Lower Upper

117 100

119 5.5 73.4 110.2#

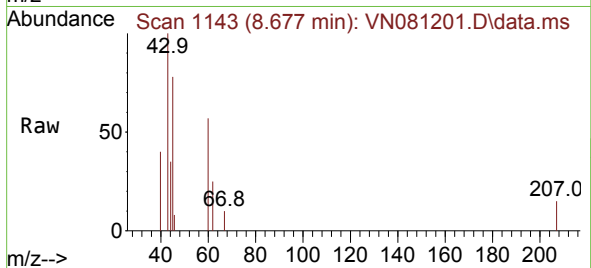
121 0.0 24.4 36.6#



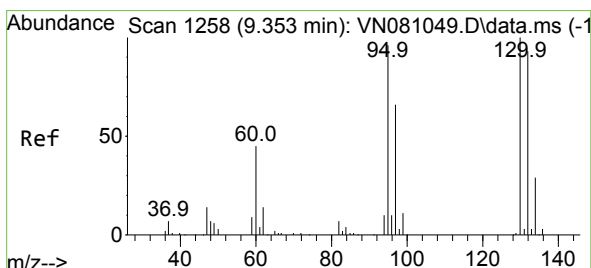
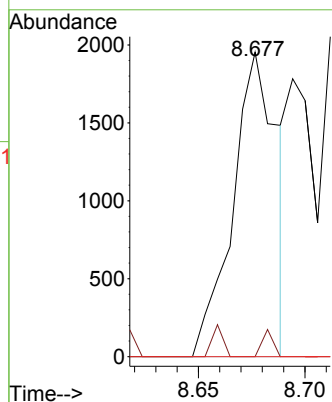
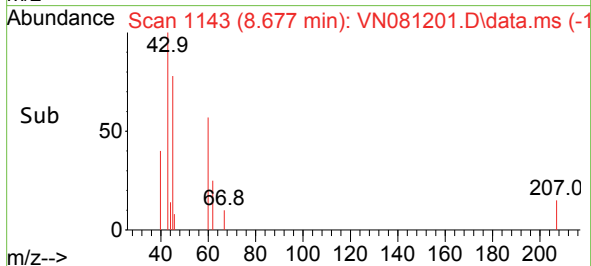


#43
Isopropyl Acetate
Concen: 0.287 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20240219

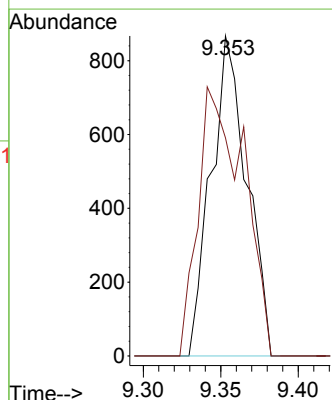
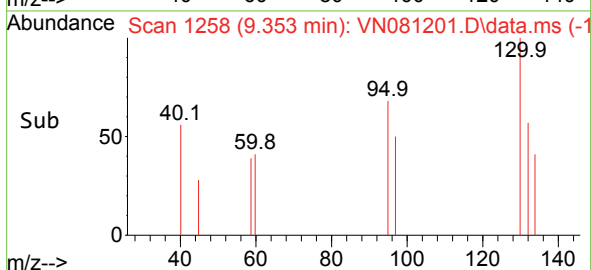
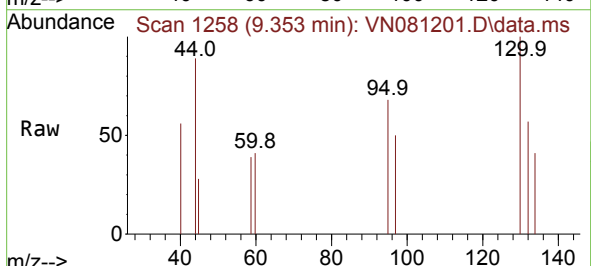


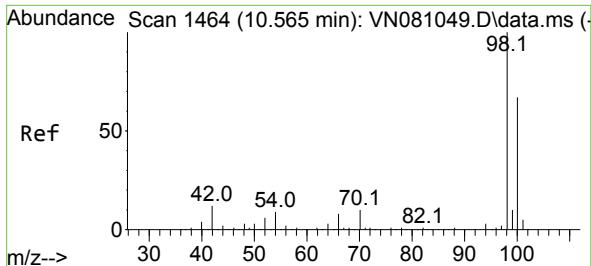
Tgt Ion: 43 Resp: 2822
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#44
Trichloroethene
Concen: 0.289 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

Tgt Ion:130 Resp: 1392
Ion Ratio Lower Upper
130 100
95 68.2 0.0 210.4

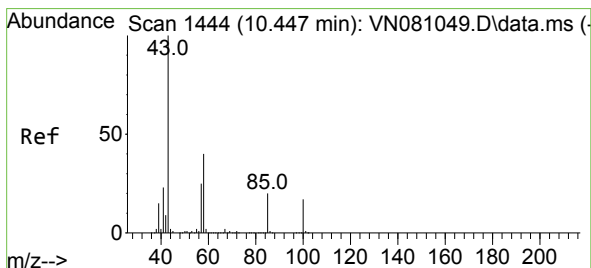
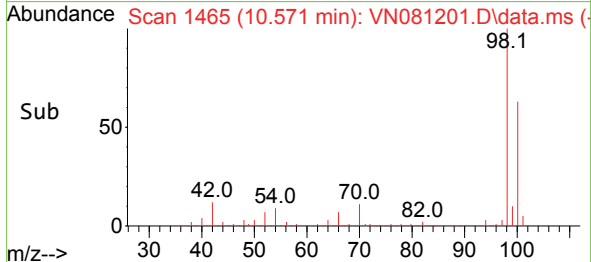
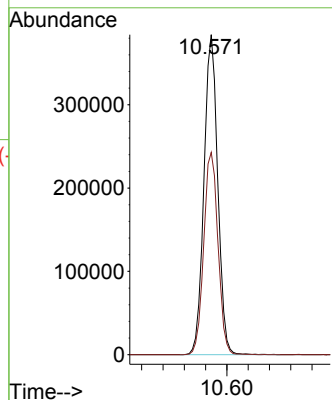
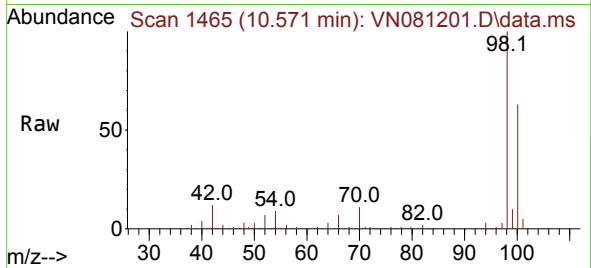




#50
Toluene-d8
Concen: 53.253 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

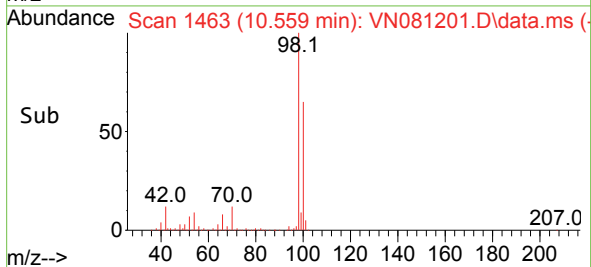
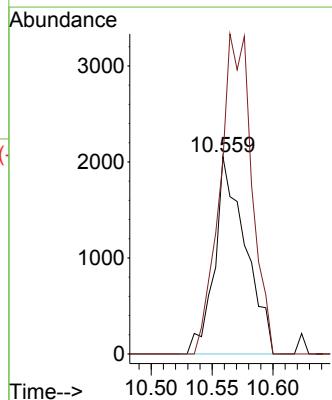
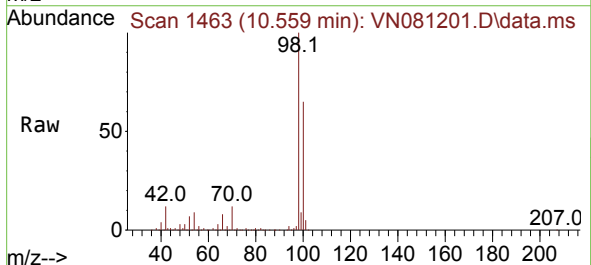
Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20240219

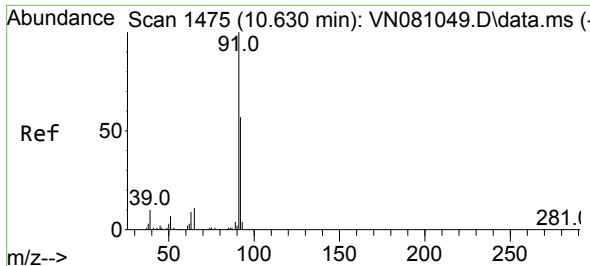
Tgt Ion: 98 Resp: 688806
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.639 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

Tgt Ion: 43 Resp: 3619
Ion Ratio Lower Upper
43 100
58 168.2 29.4 44.0#

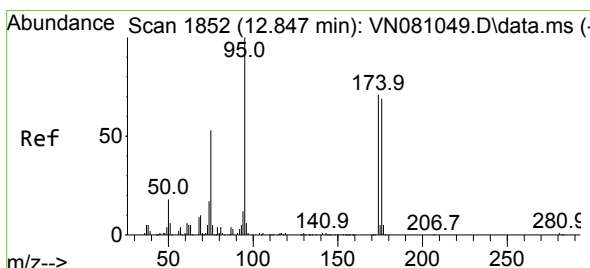
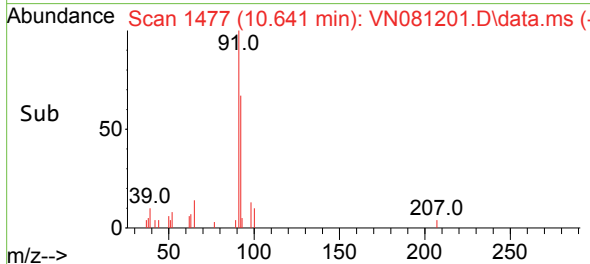
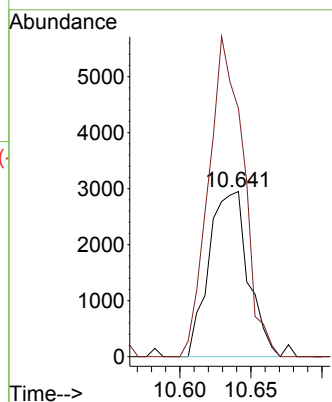
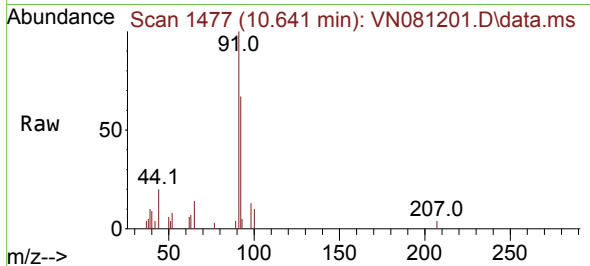




#52
Toluene
Concen: 0.496 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.012 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

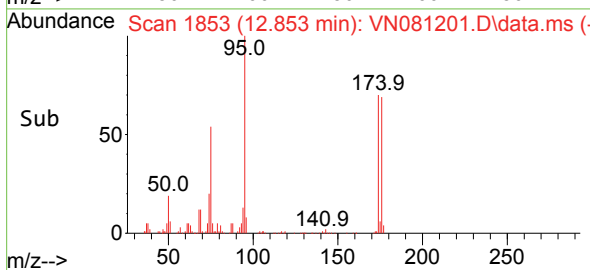
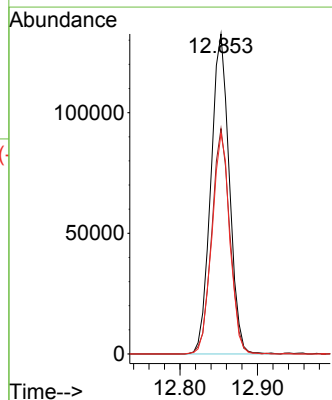
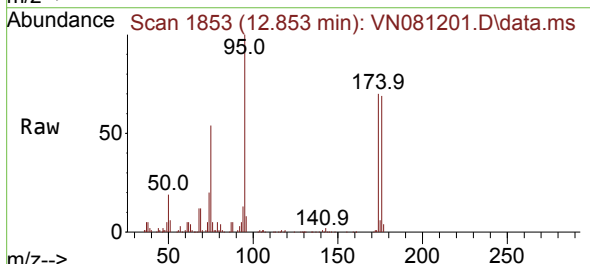
Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20240219

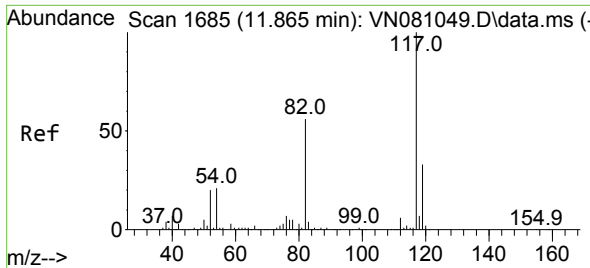
Tgt Ion: 92 Resp: 5674
Ion Ratio Lower Upper
92 100
91 172.0 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 45.157 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

Tgt Ion: 95 Resp: 219472
Ion Ratio Lower Upper
95 100
174 69.1 0.0 120.4
176 67.0 0.0 121.0

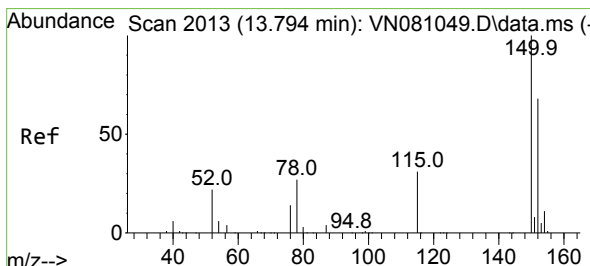
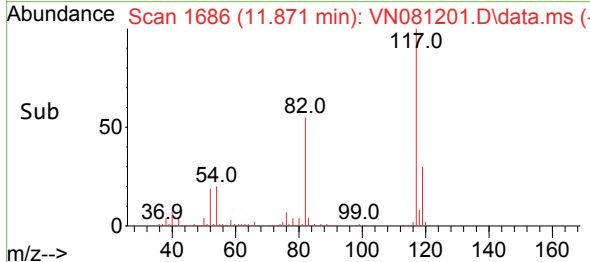
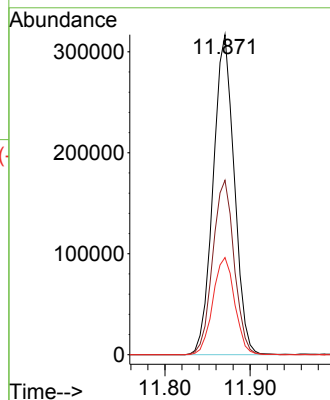
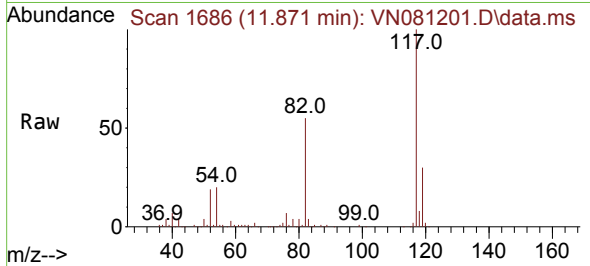




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

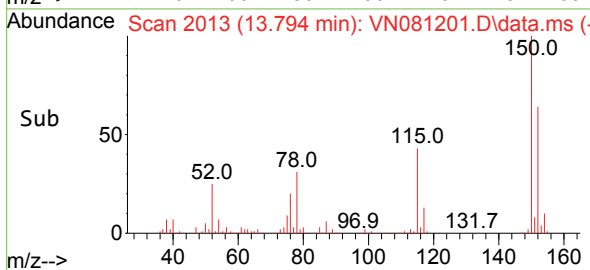
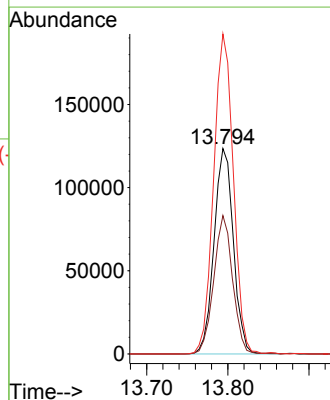
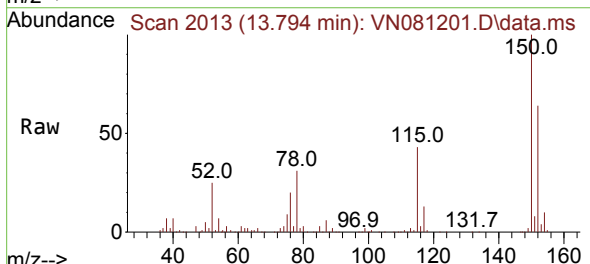
Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20240219

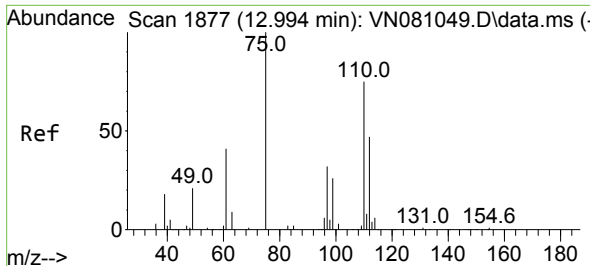
Tgt Ion:117 Resp: 544322
Ion Ratio Lower Upper
117 100
82 54.5 52.7 79.1
119 30.4 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

Tgt Ion:152 Resp: 204439
Ion Ratio Lower Upper
152 100
115 65.8 32.3 96.8
150 158.4 0.0 339.8

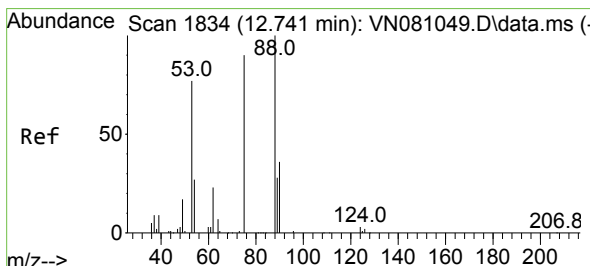
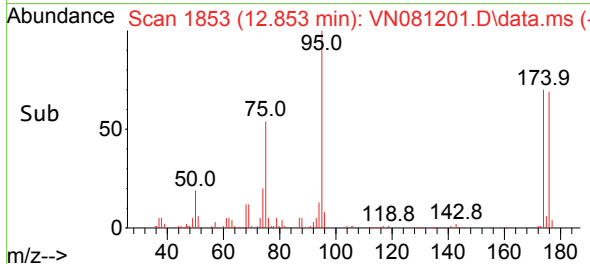
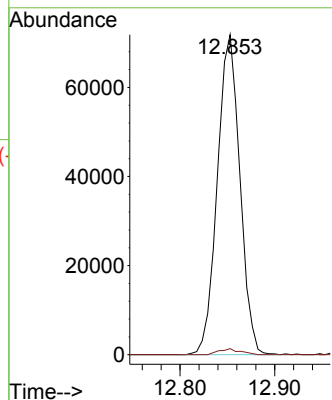
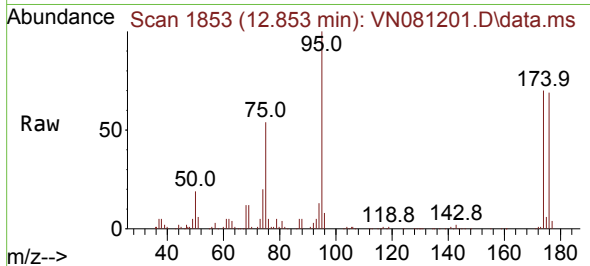




#76
1,2,3-Trichloropropane
Concen: 25.591 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20240219

Tgt Ion: 75 Resp: 118868
Ion Ratio Lower Upper
75 100
77 1.8 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.868 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081201.D
Acq: 26 Feb 2024 17:40

Tgt Ion: 75 Resp: 118868
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#

