

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081241.D
 Acq On : 28 Feb 2024 14:29
 Operator : JC\MD
 Sample : P1590-09DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D1-20240222DL

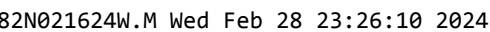
Quant Time: Feb 28 23:25:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

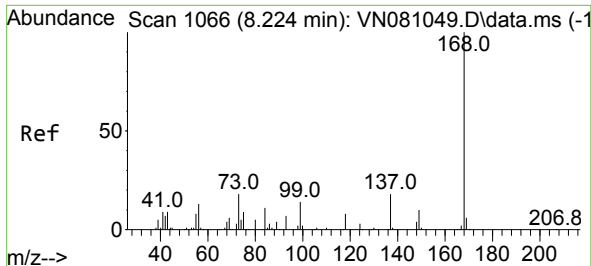
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	314491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	577361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	511385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	194812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	218070	56.571	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.140%			
35) Dibromofluoromethane	8.171	113	170138	52.113	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.220%			
50) Toluene-d8	10.571	98	647344	55.826	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.660%			
62) 4-Bromofluorobenzene	12.853	95	205837	47.242	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.480%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1049	Below Cal	#	83
5) Bromomethane	2.965	94	799	0.249	ug/l #	80
6) Chloroethane	3.136	64	244	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	4.395	101	3502	0.952	ug/l #	52
10) Methyl Iodide	4.600	142	1227	0.299	ug/l #	81
12) 1,1-Dichloroethene	4.348	96	1770	0.498	ug/l #	88
13) Acrolein	4.189	56	623	1.640	ug/l #	70
16) Acetone	4.453	43	1514	0.998	ug/l #	44
17) Carbon Disulfide	4.718	76	2433	0.245	ug/l #	78
20) Methylene Chloride	5.283	84	617	Below Cal	#	67
31) Cyclohexane	8.224	56	8767	1.317	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	29726	5.315	ug/l #	50
38) Carbon Tetrachloride	8.230	117	37421	6.613	ug/l #	17
44) Trichloroethene	9.353	130	104948	24.338	ug/l	95
49) 1,4-Dioxane	9.694	88	68	Below Cal	#	18
71) Bromoform	12.841	173	631	0.250	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	114386	25.843	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	114386	66.517	ug/l #	14
95) Naphthalene	15.647	128	3211	0.227	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.847	180	818	0.213	ug/l #	69

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
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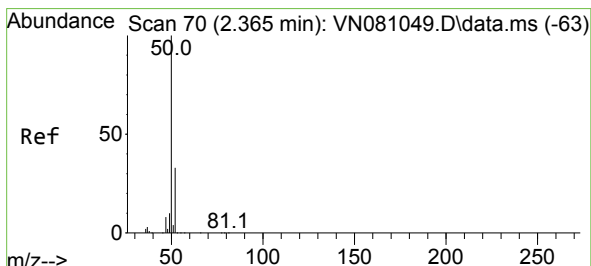
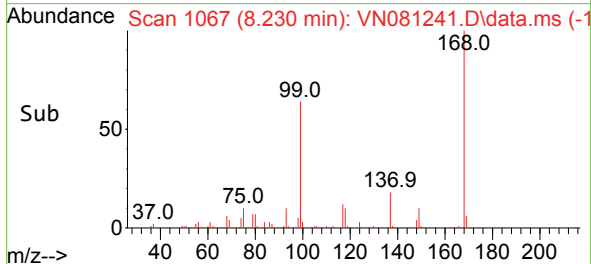
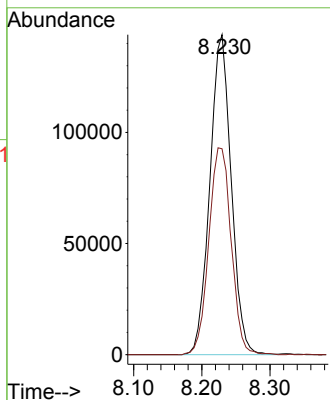
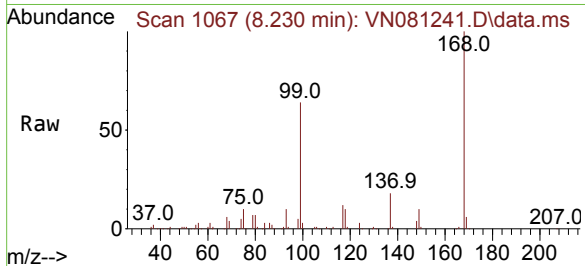




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

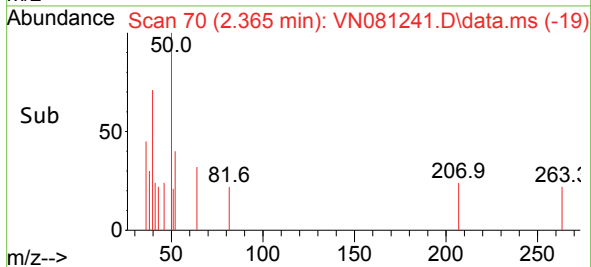
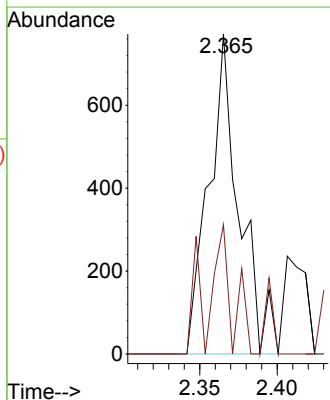
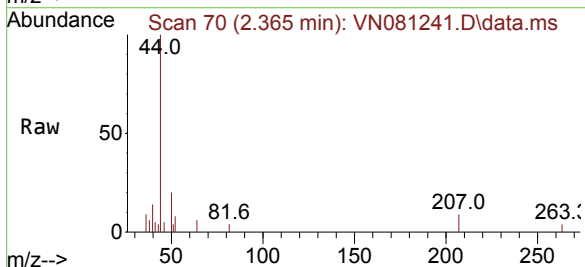
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222DL

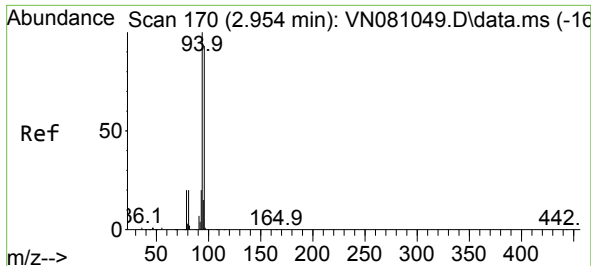
Tgt Ion:168 Resp: 314491
Ion Ratio Lower Upper
168 100
99 64.4 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

Tgt Ion: 50 Resp: 1049
Ion Ratio Lower Upper
50 100
52 40.4 25.0 37.4#

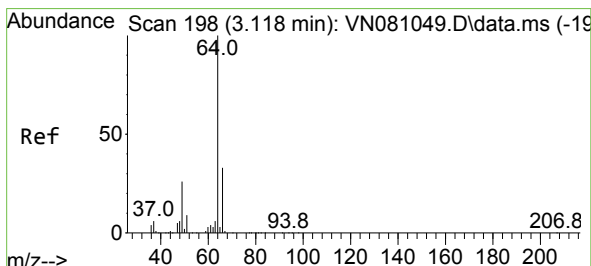
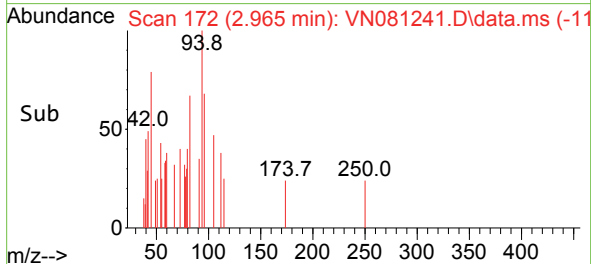
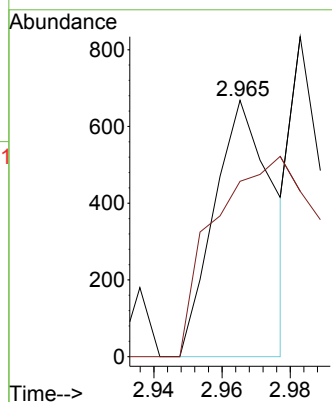
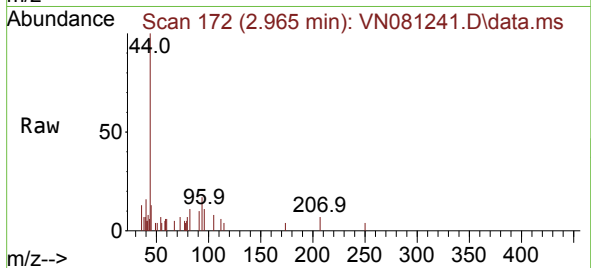




#5
Bromomethane
Concen: 0.249 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

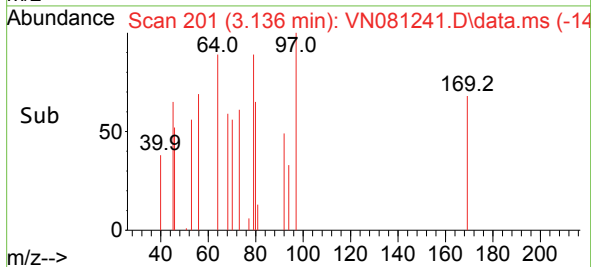
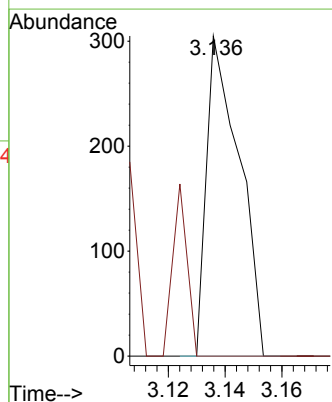
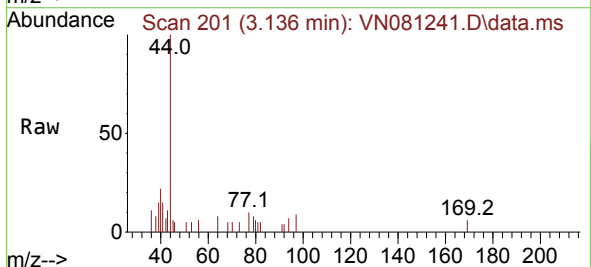
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222DL

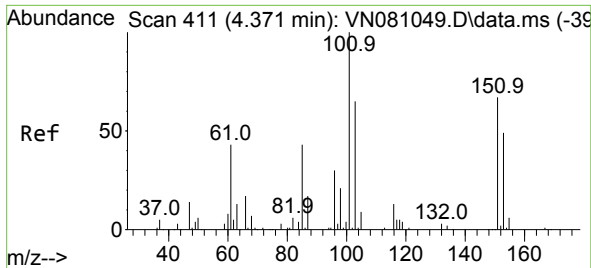
Tgt Ion: 94 Resp: 799
Ion Ratio Lower Upper
94 100
96 68.4 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

Tgt Ion: 64 Resp: 244
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

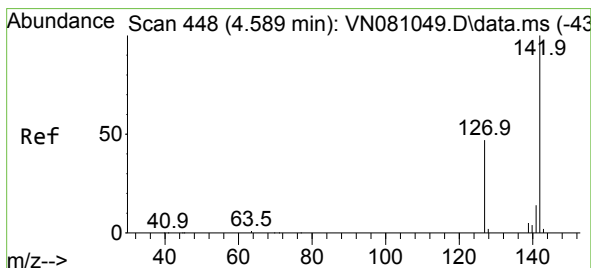
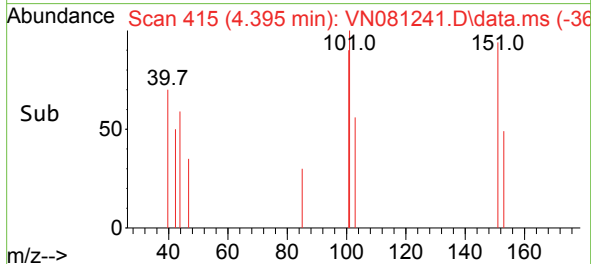
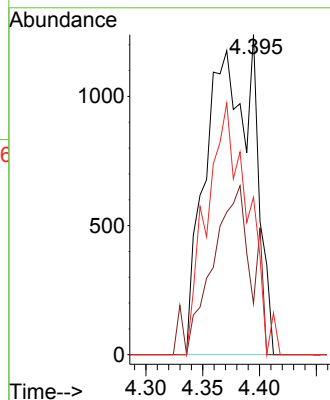
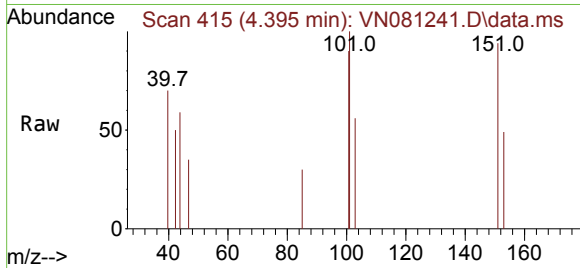




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.952 ug/l
RT: 4.395 min Scan# 411
Delta R.T. 0.023 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

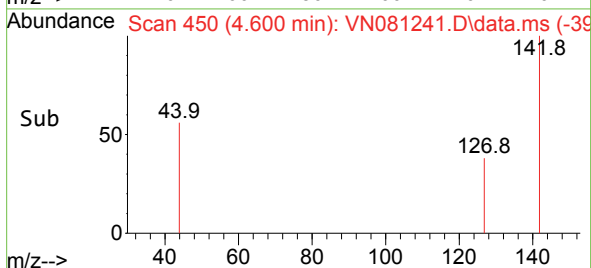
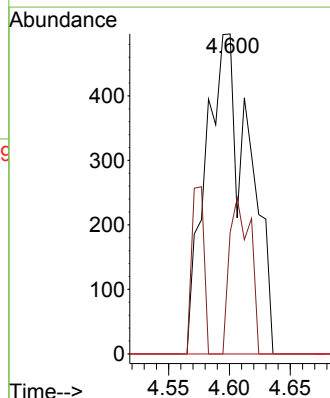
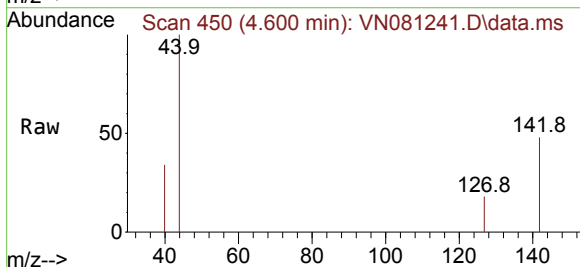
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222DL

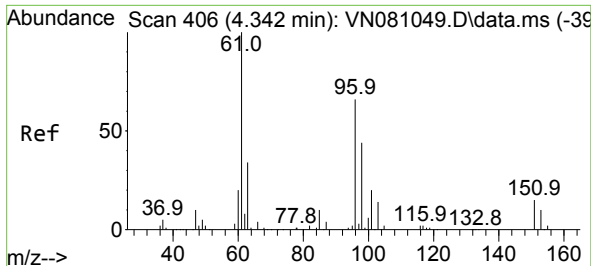
Tgt Ion:101 Resp: 3502
Ion Ratio Lower Upper
101 100
85 43.8 38.1 57.1
151 0.0 49.1 73.7#



#10
Methyl Iodide
Concen: 0.299 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

Tgt Ion:142 Resp: 1227
Ion Ratio Lower Upper
142 100
127 37.9 37.0 55.4
141 0.0 12.5 18.7#





#12

1,1-Dichloroethene

Concen: 0.498 ug/l

RT: 4.348 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN081241.D

Acq: 28 Feb 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20240222DL

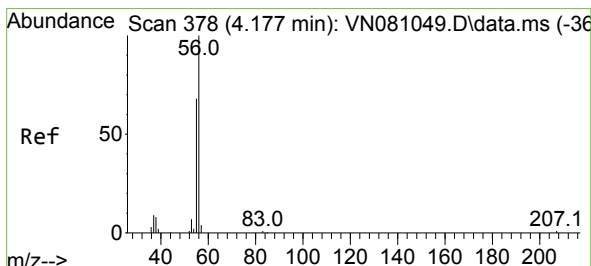
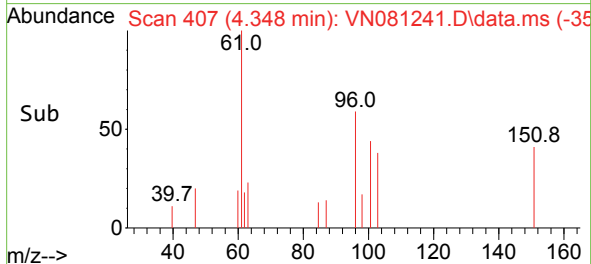
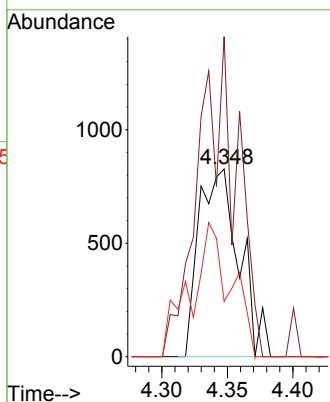
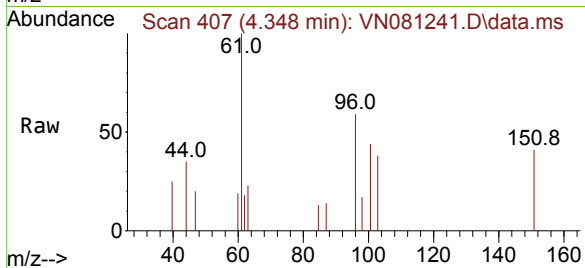
Tgt Ion: 96 Resp: 1770

Ion Ratio Lower Upper

96 100

61 170.5 138.2 207.4

98 29.5 49.2 73.8#



#13

Acrolein

Concen: 1.640 ug/l

RT: 4.189 min Scan# 380

Delta R.T. 0.012 min

Lab File: VN081241.D

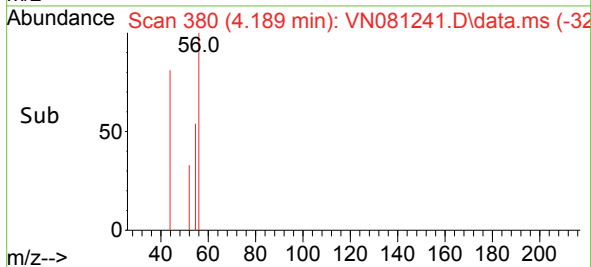
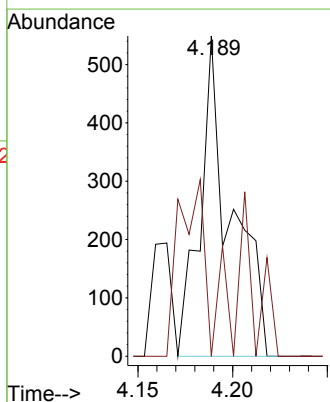
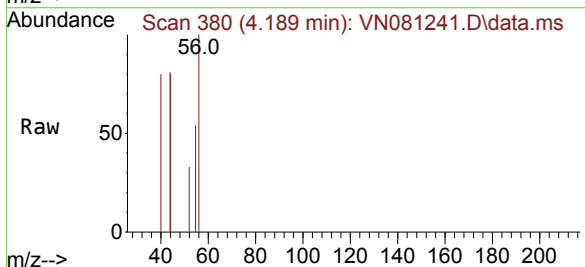
Acq: 28 Feb 2024 14:29

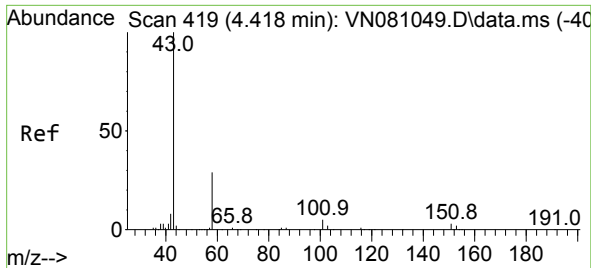
Tgt Ion: 56 Resp: 623

Ion Ratio Lower Upper

56 100

55 44.3 55.3 82.9#





#16

Acetone

Concen: 0.998 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.035 min

Lab File: VN081241.D

Acq: 28 Feb 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

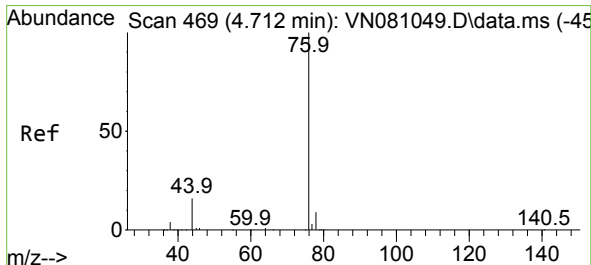
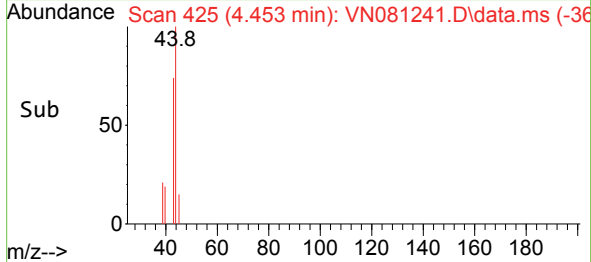
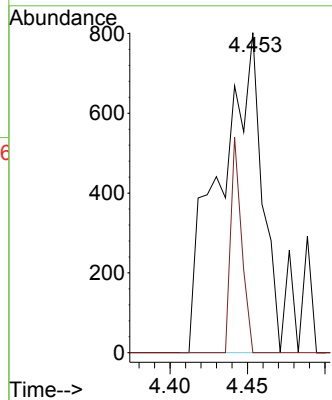
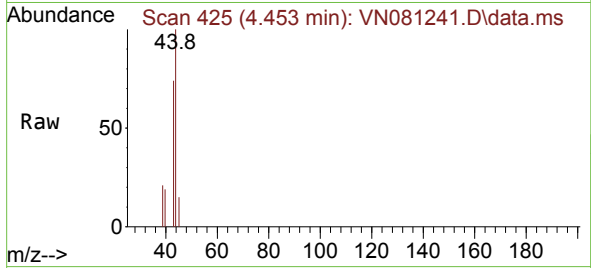
RE139D1-20240222DL

Tgt Ion: 43 Resp: 1514

Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#



#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.006 min

Lab File: VN081241.D

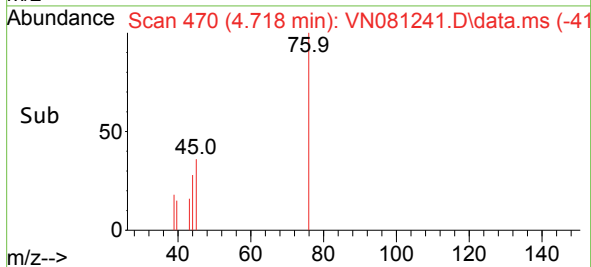
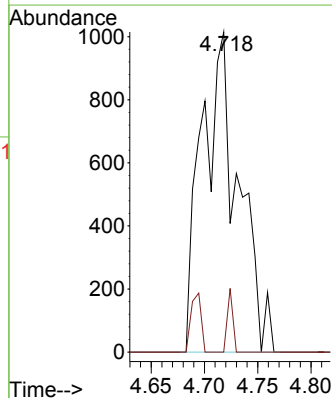
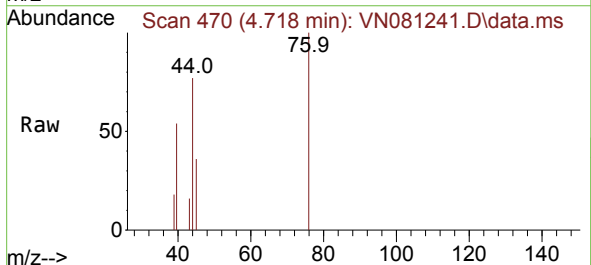
Acq: 28 Feb 2024 14:29

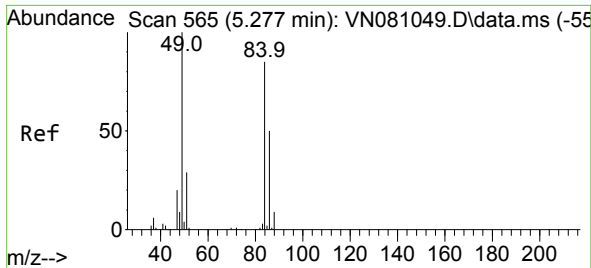
Tgt Ion: 76 Resp: 2433

Ion Ratio Lower Upper

76 100

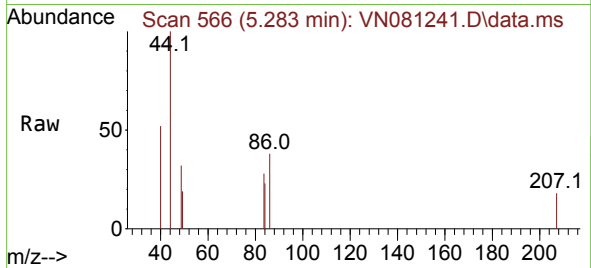
78 0.0 6.3 9.5#



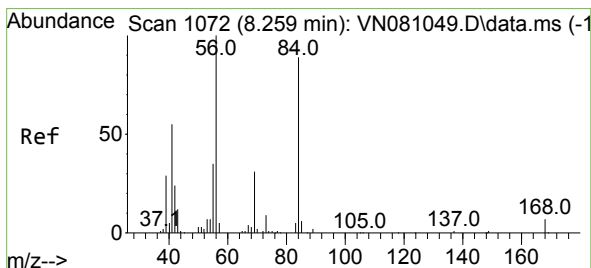
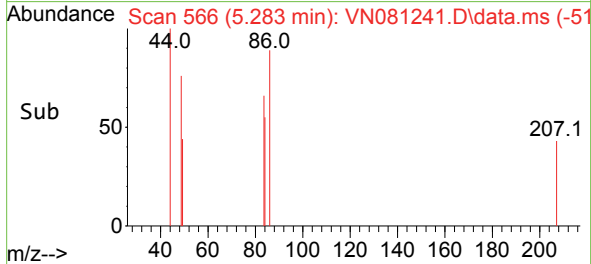
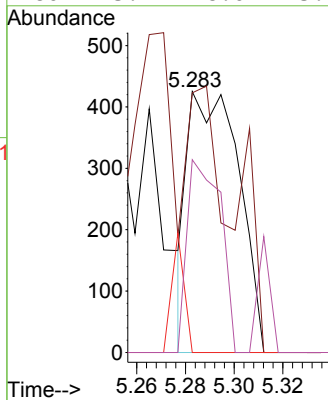


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :
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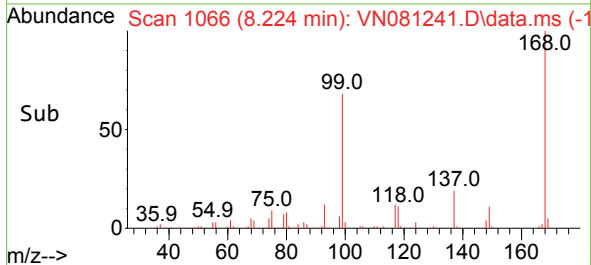
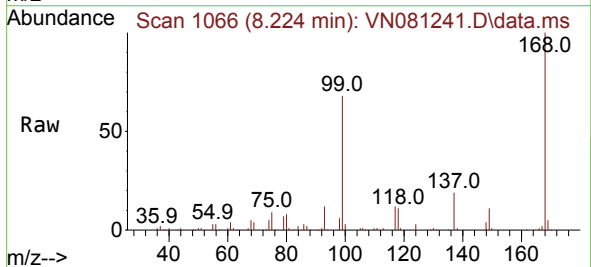
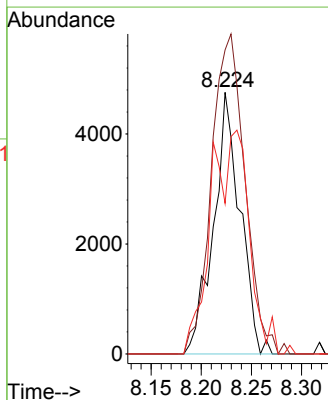


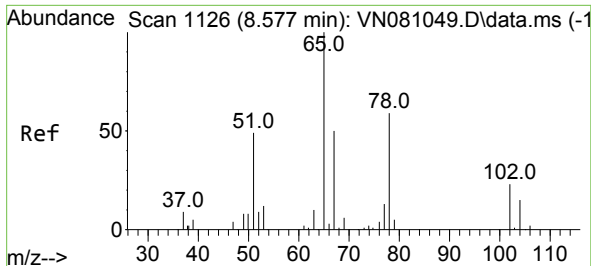
Tgt Ion:	84	Resp:	617
Ion	Ratio	Lower	Upper
84	100		
49	99.5	108.1	162.1#
51	0.0	32.9	49.3#
86	73.9	48.6	73.0#



#31
Cyclohexane
Concen: 1.317 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

Tgt Ion:	56	Resp:	8767
Ion	Ratio	Lower	Upper
56	100		
69	116.2	20.1	30.1#
84	57.5	56.9	85.3





#33

1,2-Dichloroethane-d4

Concen: 56.571 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081241.D

Acq: 28 Feb 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

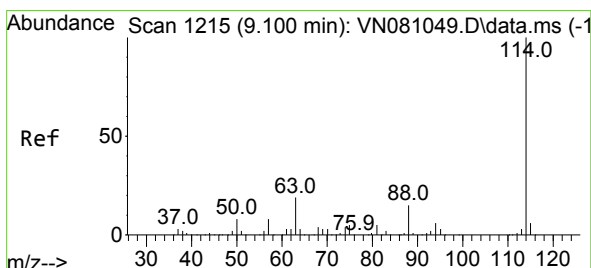
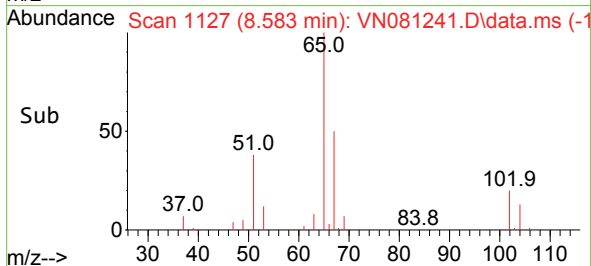
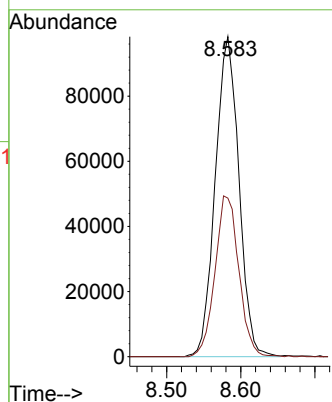
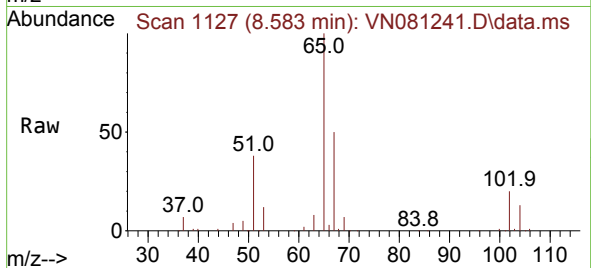
RE139D1-20240222DL

Tgt Ion: 65 Resp: 218070

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081241.D

Acq: 28 Feb 2024 14:29

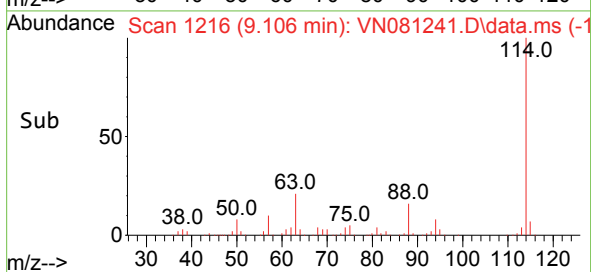
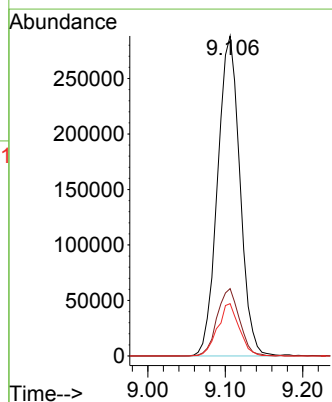
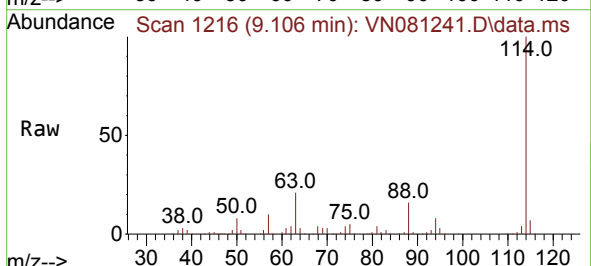
Tgt Ion: 114 Resp: 577361

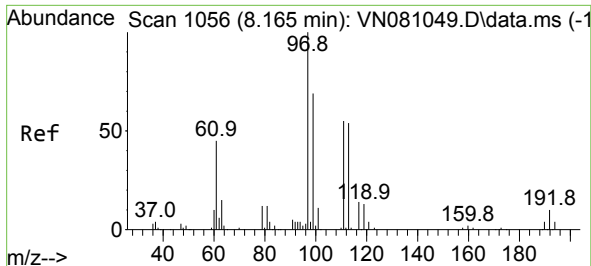
Ion Ratio Lower Upper

114 100

63 21.0 0.0 48.0

88 16.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 52.113 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN081241.D

Acq: 28 Feb 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20240222DL

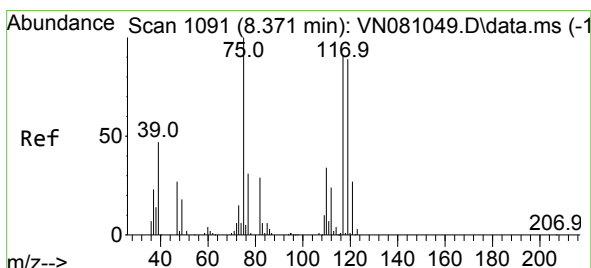
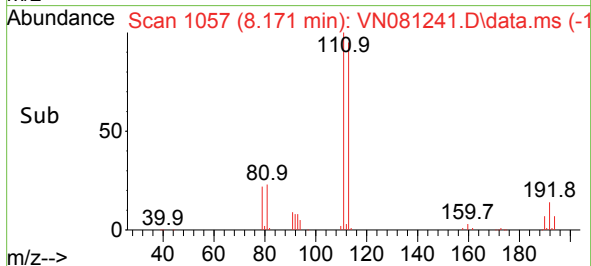
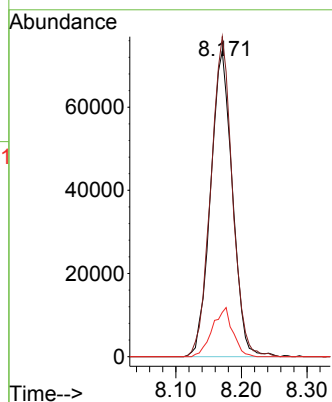
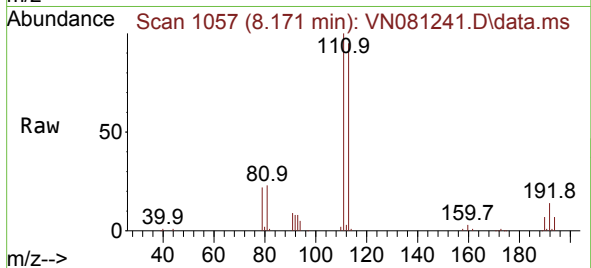
Tgt Ion:113 Resp: 170138

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 15.0 12.5 18.7



#36

1,1-Dichloropropene

Concen: 5.315 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081241.D

Acq: 28 Feb 2024 14:29

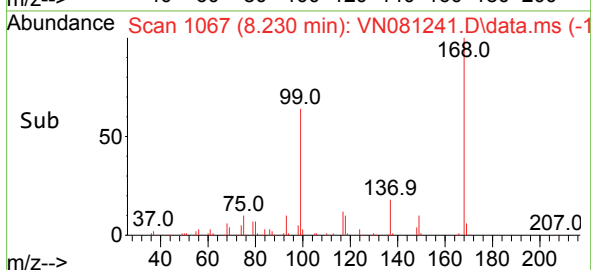
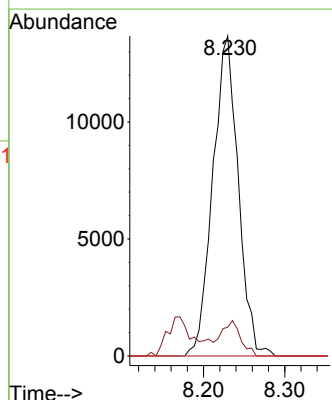
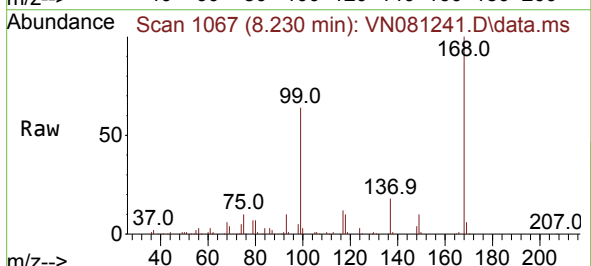
Tgt Ion: 75 Resp: 29726

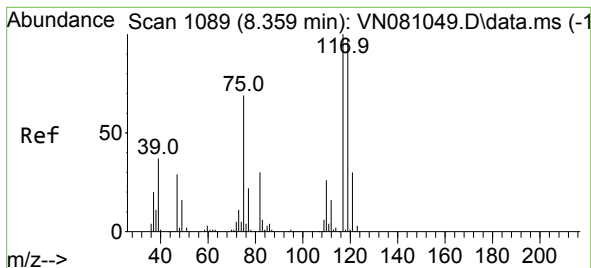
Ion Ratio Lower Upper

75 100

110 8.3 16.0 48.0#

77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.613 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN081241.D

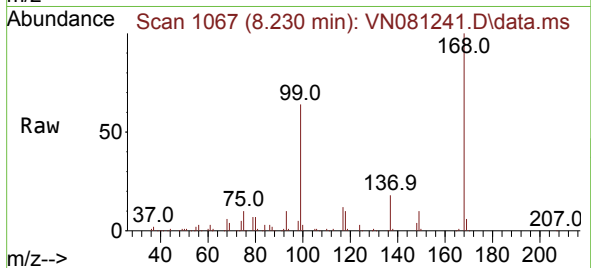
Acq: 28 Feb 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20240222DL



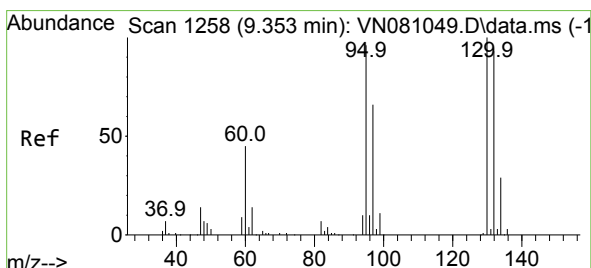
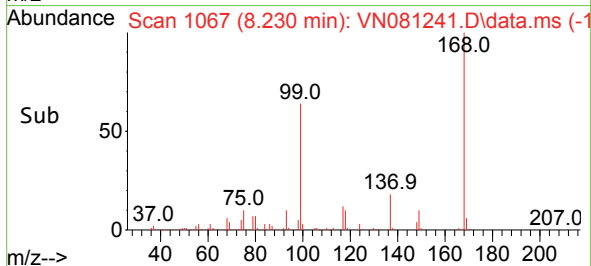
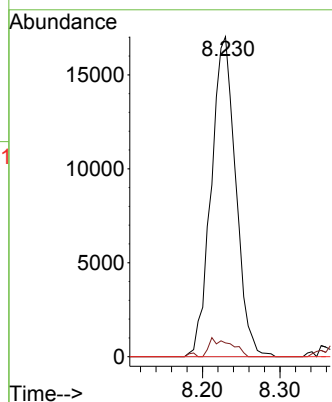
Tgt Ion:117 Resp: 37421

Ion Ratio Lower Upper

117 100

119 4.3 73.4 110.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 24.338 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN081241.D

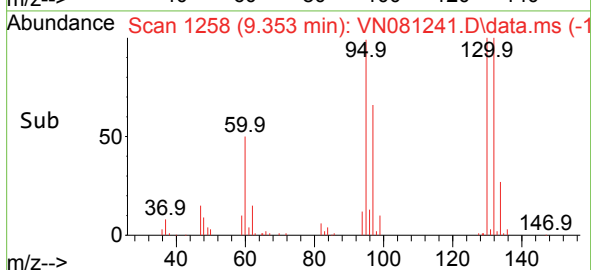
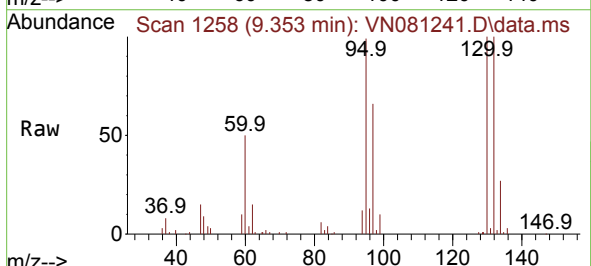
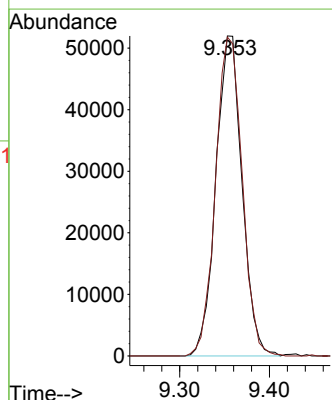
Acq: 28 Feb 2024 14:29

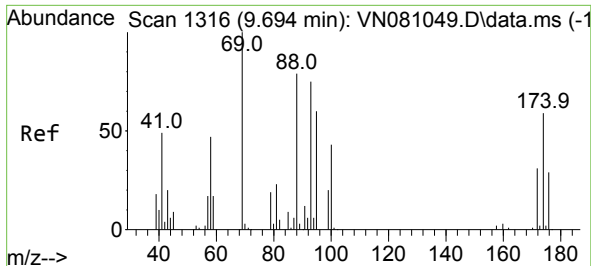
Tgt Ion:130 Resp: 104948

Ion Ratio Lower Upper

130 100

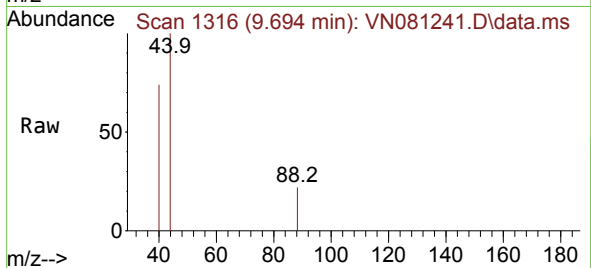
95 99.6 0.0 210.4



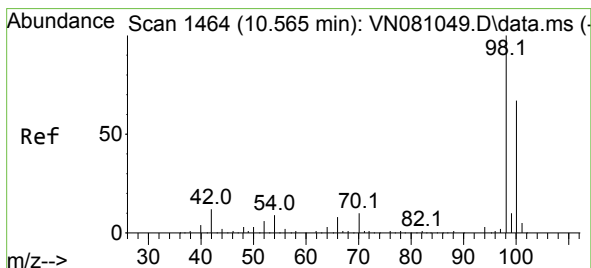
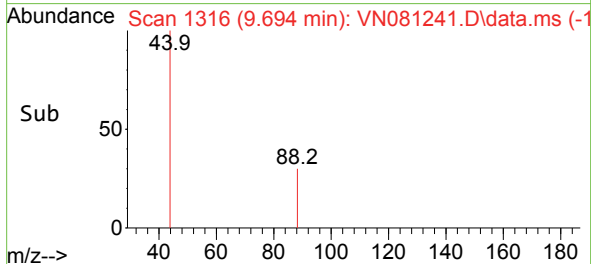
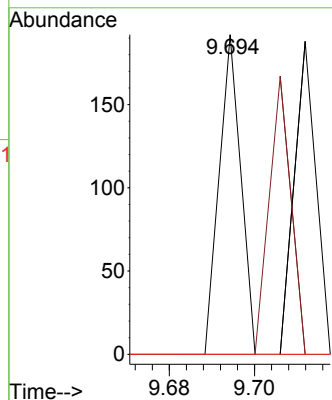


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.694 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222DL

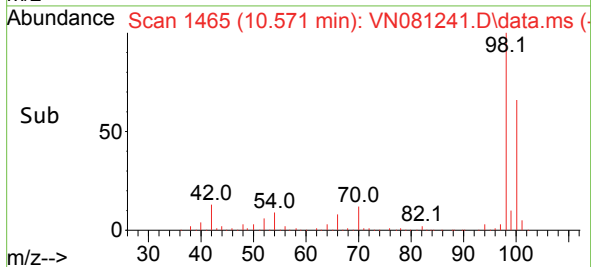
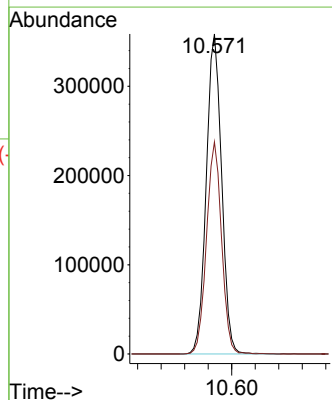
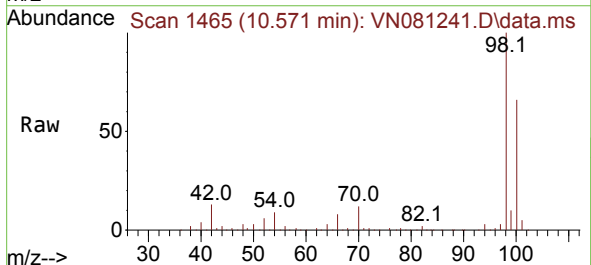


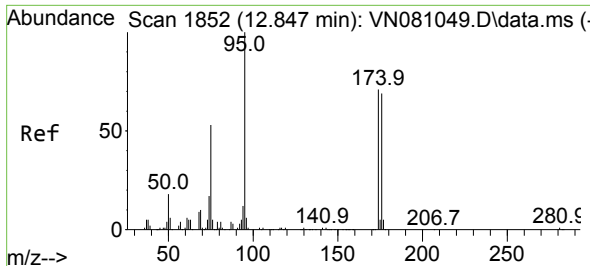
Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#



#50
Toluene-d8
Concen: 55.826 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

Tgt Ion: 98 Resp: 647344
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0

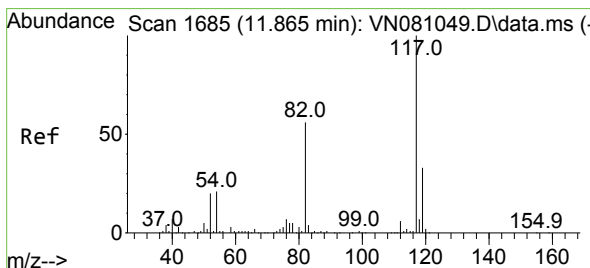
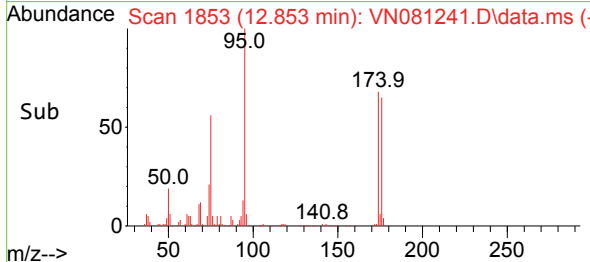
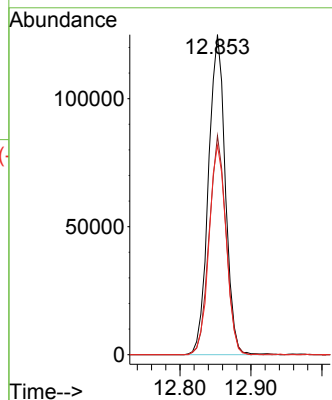
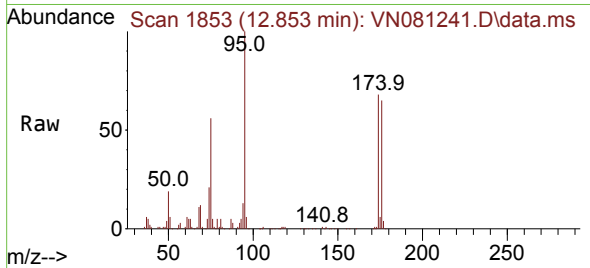




#62
4-Bromofluorobenzene
Concen: 47.242 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

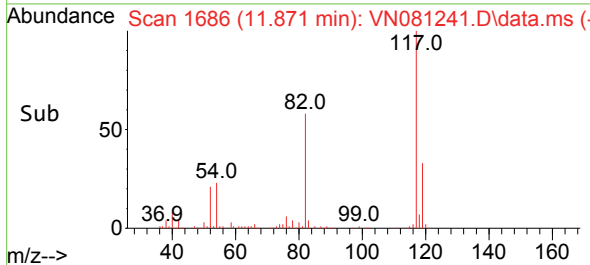
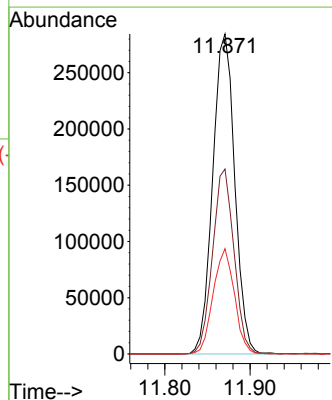
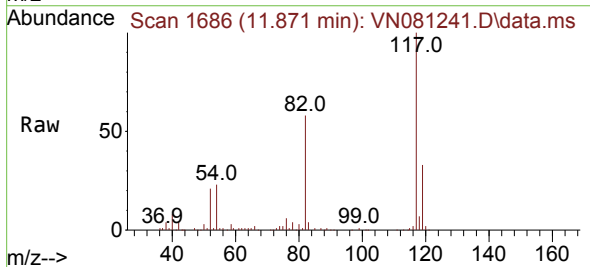
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222DL

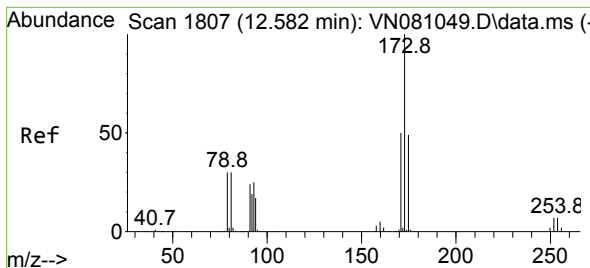
Tgt Ion: 95 Resp: 205837
Ion Ratio Lower Upper
95 100
174 68.4 0.0 120.4
176 66.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

Tgt Ion: 117 Resp: 511385
Ion Ratio Lower Upper
117 100
82 57.8 52.7 79.1
119 32.9 25.3 37.9





#71

Bromoform

Concen: 0.250 ug/l

RT: 12.841 min Scan# 1807

Delta R.T. 0.259 min

Lab File: VN081241.D

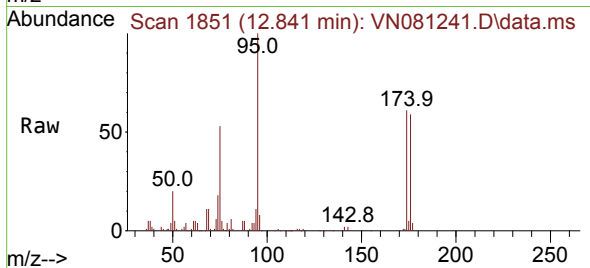
Acq: 28 Feb 2024 14:29

Instrument :

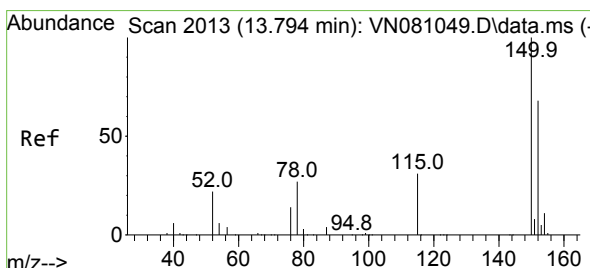
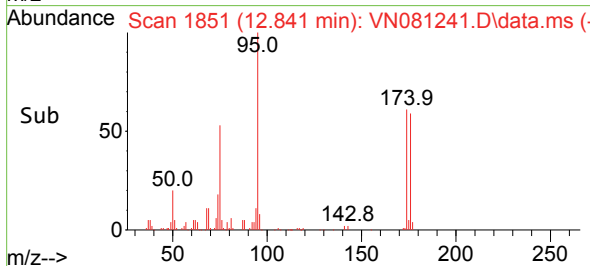
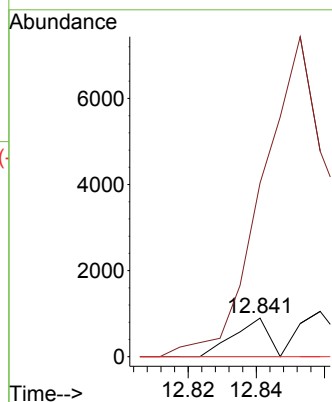
MSVOA_N

ClientSampleId :

RE139D1-20240222DL



Tgt Ion:	173	Resp:	631
Ion Ratio	Lower	Upper	
173	100		
175	1367.2	23.1	69.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

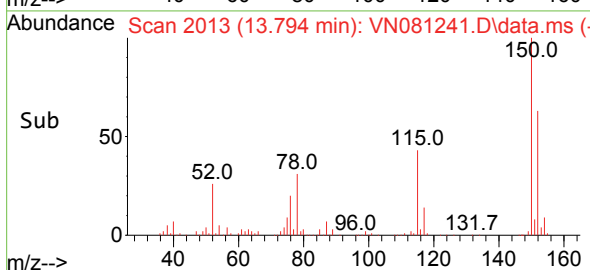
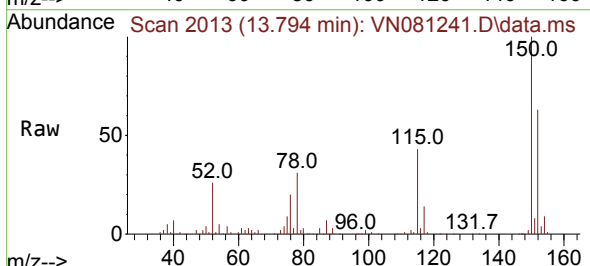
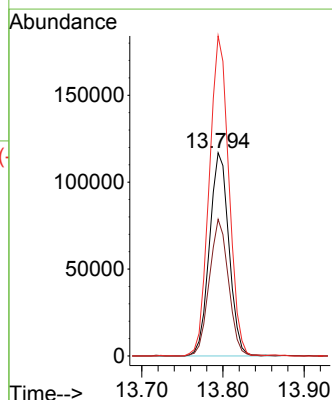
RT: 13.794 min Scan# 2013

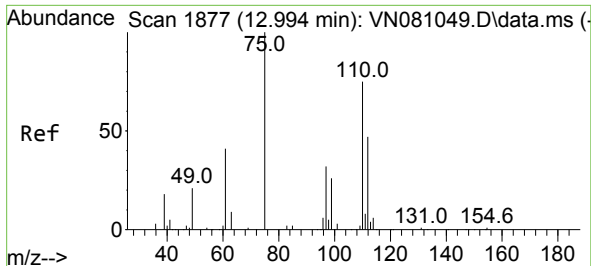
Delta R.T. -0.000 min

Lab File: VN081241.D

Acq: 28 Feb 2024 14:29

Tgt Ion:	152	Resp:	194812
Ion Ratio	Lower	Upper	
152	100		
115	66.1	32.3	96.8
150	158.4	0.0	339.8

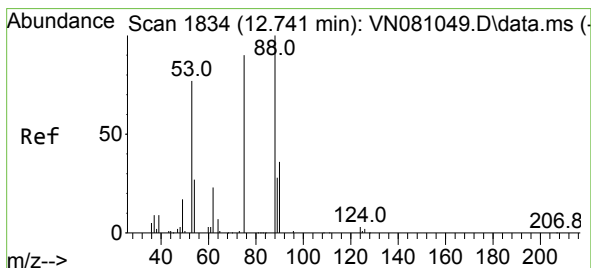
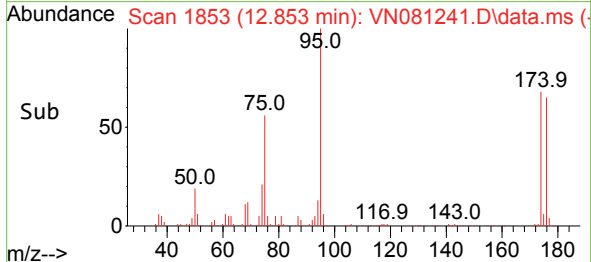
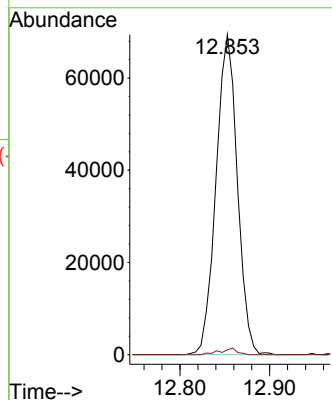
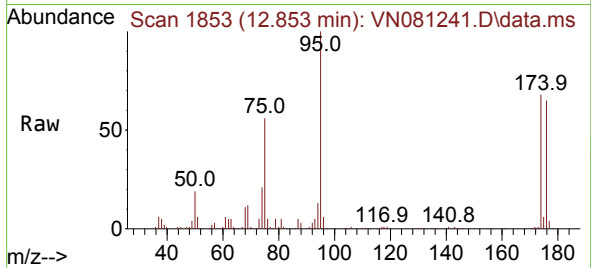




#76
1,2,3-Trichloropropane
Concen: 25.843 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

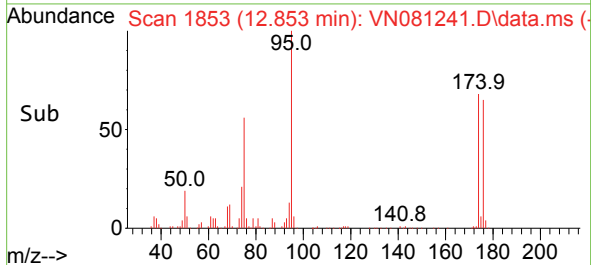
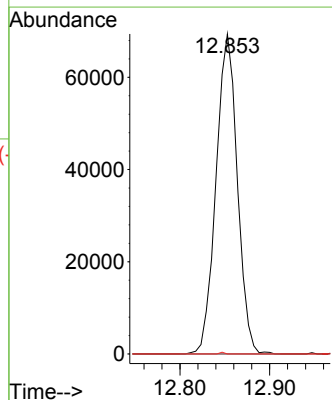
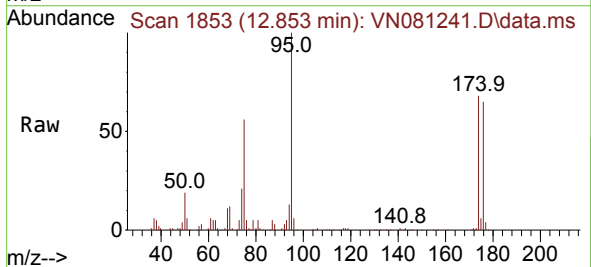
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222DL

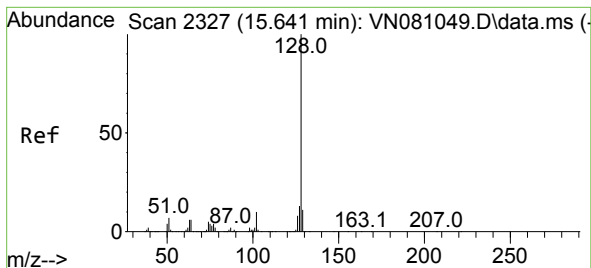
Tgt Ion: 75 Resp: 114386
Ion Ratio Lower Upper
75 100
77 1.6 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.517 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081241.D
Acq: 28 Feb 2024 14:29

Tgt Ion: 75 Resp: 114386
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#





#95

Naphthalene

Concen: 0.227 ug/l

RT: 15.647 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN081241.D

Acq: 28 Feb 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20240222DL

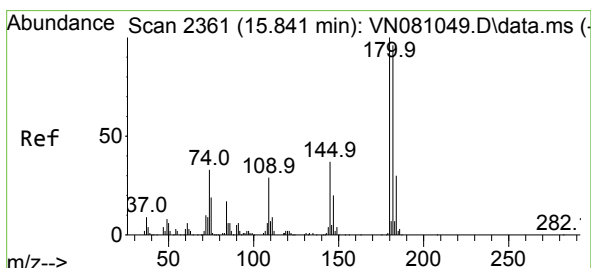
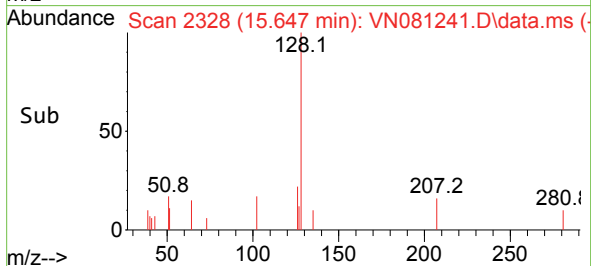
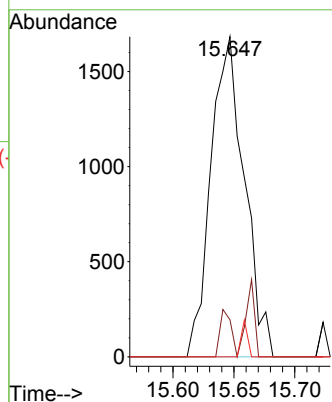
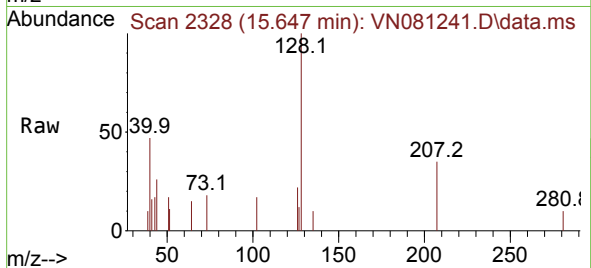
Tgt Ion:128 Resp: 3211

Ion Ratio Lower Upper

128 100

127 4.9 10.0 15.0#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.213 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN081241.D

Acq: 28 Feb 2024 14:29

Tgt Ion:180 Resp: 818

Ion Ratio Lower Upper

180 100

182 65.3 46.5 139.3

145 14.4 17.8 53.4#

