

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032624\
 Data File : VN081578.D
 Acq On : 26 Mar 2024 14:13
 Operator : JC\MD
 Sample : P1838-07RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-SP302-20240321

Quant Time: Mar 27 04:37:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

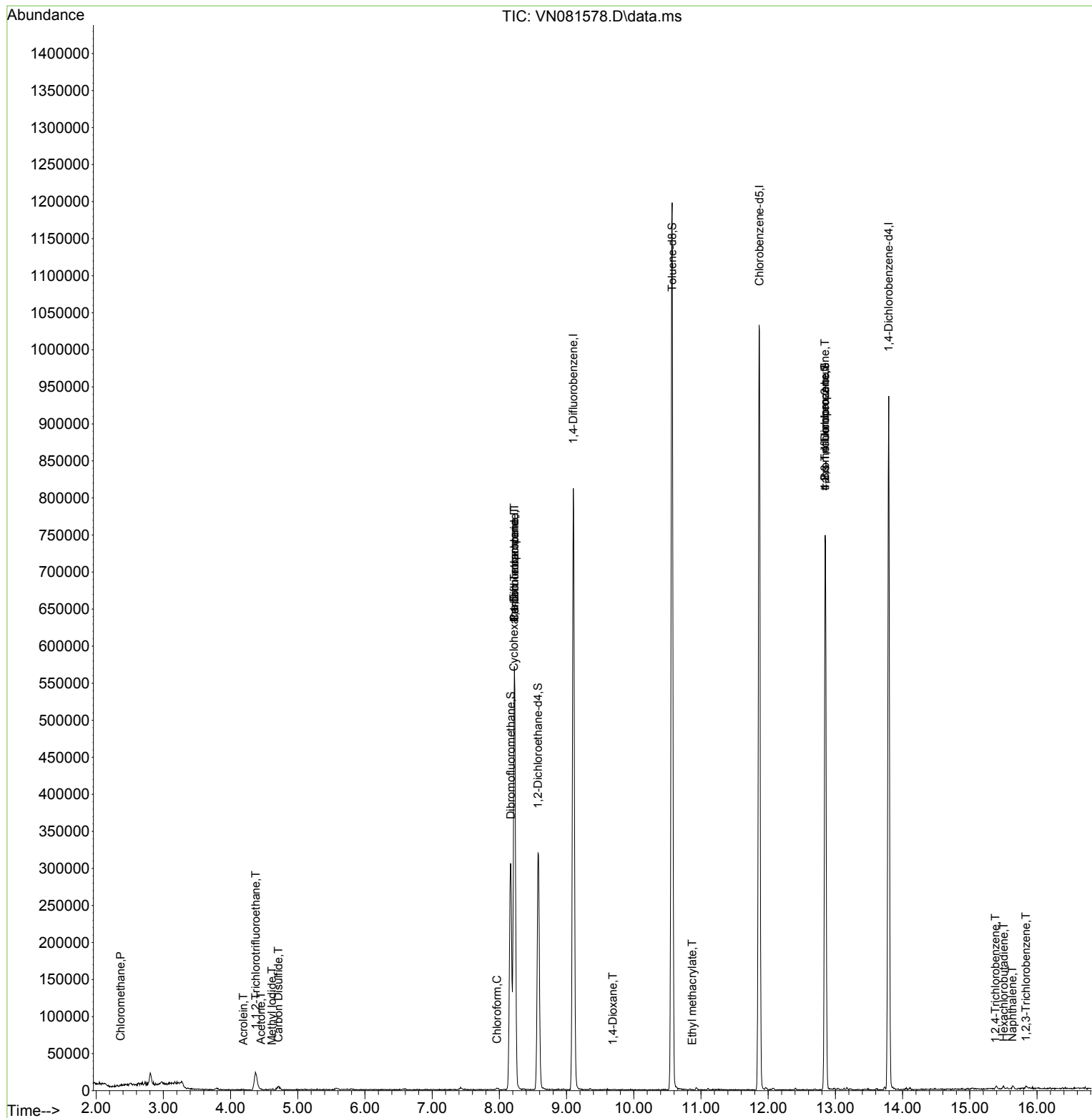
Internal Standards						
1) Pentafluorobenzene	8.224	168	411342	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	721063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	631801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	249332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	261646	49.878	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.760%
35) Dibromofluoromethane	8.171	113	226538	49.782	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.560%
50) Toluene-d8	10.571	98	847700	51.532	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.060%
62) 4-Bromofluorobenzene	12.847	95	260963	45.022	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	90.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1357	0.246	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.377	101	15654	2.987	ug/l	# 86
10) Methyl Iodide	4.618	142	1826	0.350	ug/l	# 39
13) Acrolein	4.189	56	222	0.271	ug/l	# 1
16) Acetone	4.453	43	3147	1.856	ug/l	# 84
17) Carbon Disulfide	4.712	76	3655	0.262	ug/l	# 82
30) Chloroform	7.965	83	2104	0.208	ug/l	98
31) Cyclohexane	8.218	56	9397	1.101	ug/l	# 19
36) 1,1-Dichloropropene	8.224	75	33548	4.381	ug/l	# 51
38) Carbon Tetrachloride	8.224	117	44367	5.289	ug/l	# 17
49) 1,4-Dioxane	9.688	88	121	1.004	ug/l	# 18
56) Ethyl methacrylate	10.871	69	68	0.579	ug/l	# 20
76) 1,2,3-Trichloropropane	12.847	75	139986	23.471	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	139986	63.427	ug/l	# 14
93) 1,2,4-Trichlorobenzene	15.382	180	1665	0.310	ug/l	91
94) Hexachlorobutadiene	15.506	225	959	0.407	ug/l	78
95) Naphthalene	15.635	128	4466	0.257	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.835	180	1536	0.284	ug/l	# 74

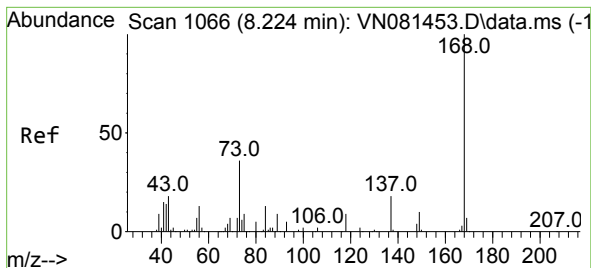
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081578.D

Acq: 26 Mar 2024 14:13

Instrument :

MSVOA_N

ClientSampleId :

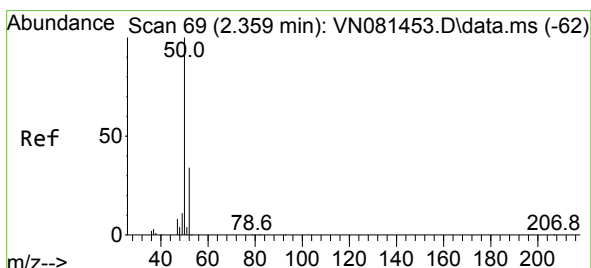
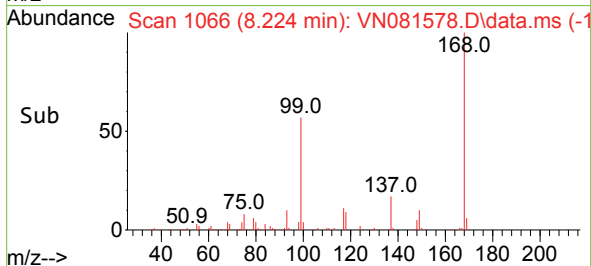
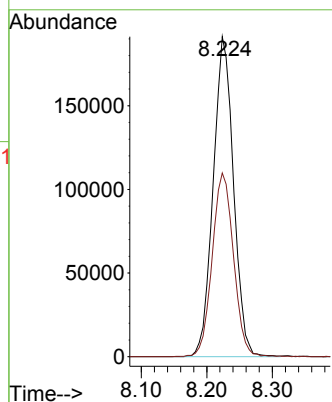
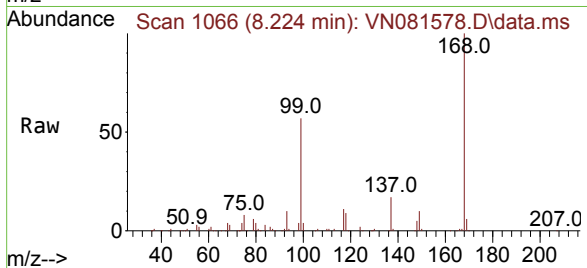
RE137-SP302-20240321

Tgt Ion:168 Resp: 411342

Ion Ratio Lower Upper

168 100

99 57.3 59.9 89.9#



#3

Chloromethane

Concen: 0.246 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081578.D

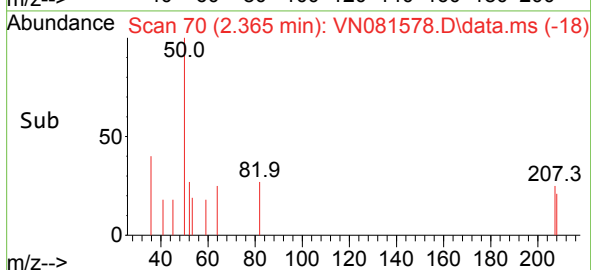
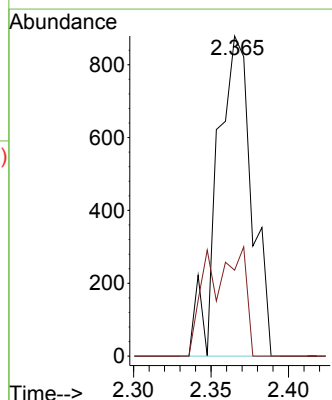
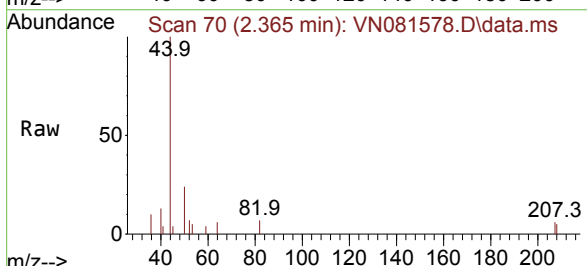
Acq: 26 Mar 2024 14:13

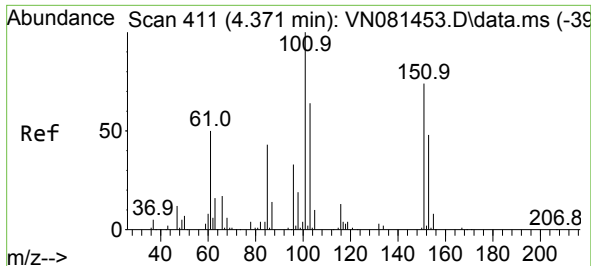
Tgt Ion: 50 Resp: 1357

Ion Ratio Lower Upper

50 100

52 26.8 25.0 37.4

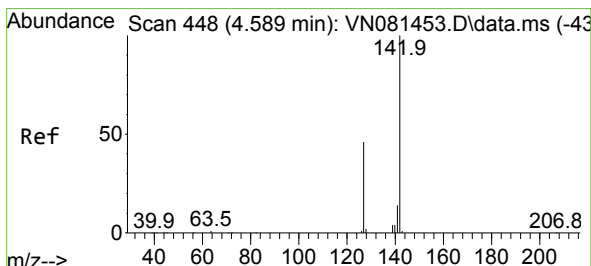
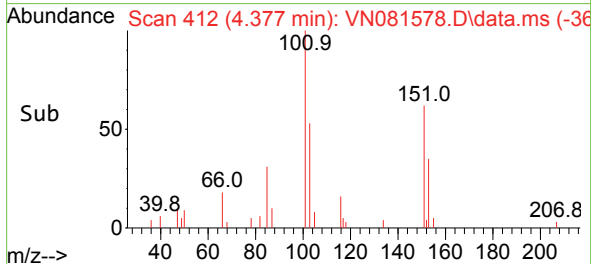
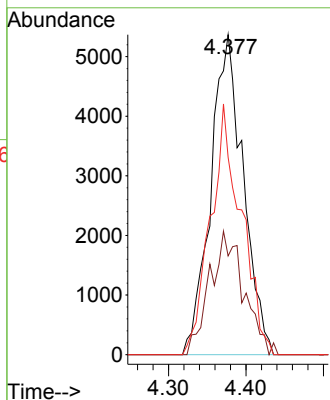
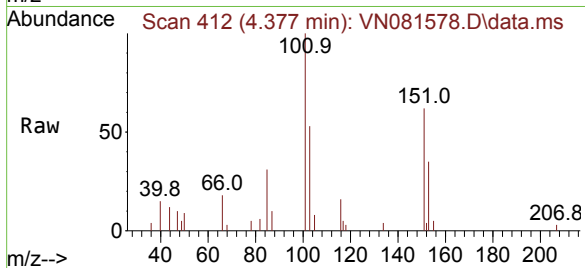




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.987 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

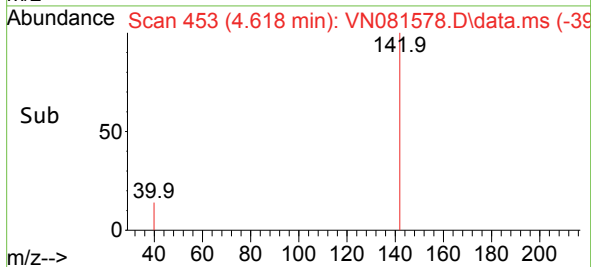
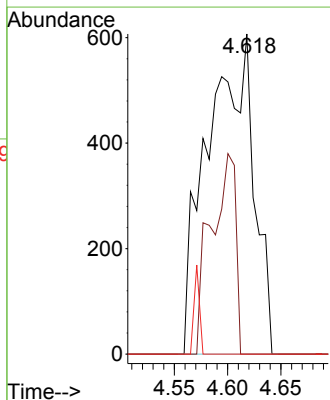
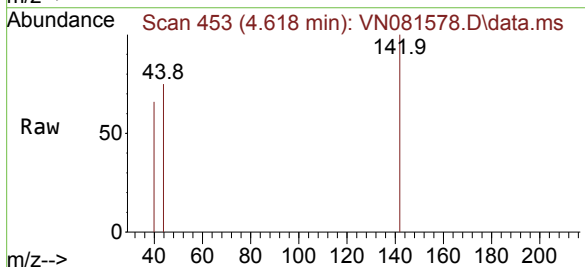
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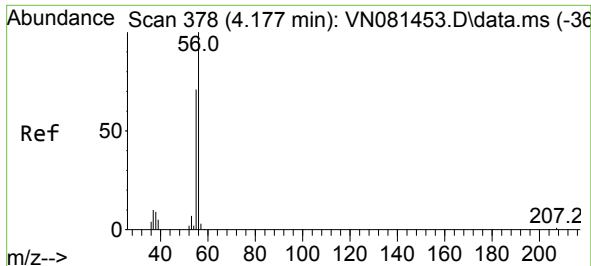
Tgt Ion:101 Resp: 15654
Ion Ratio Lower Upper
101 100
85 40.4 38.1 57.1
151 74.2 49.1 73.7#



#10
Methyl Iodide
Concen: 0.350 ug/l
RT: 4.618 min Scan# 453
Delta R.T. 0.029 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

Tgt Ion:142 Resp: 1826
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.4#
141 0.0 12.5 18.7#

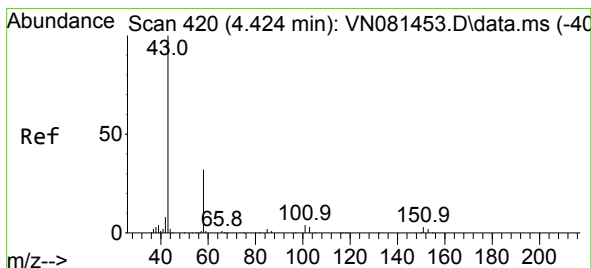
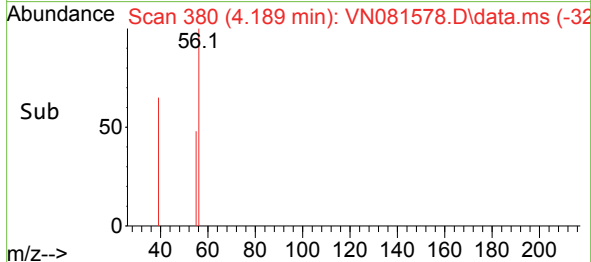
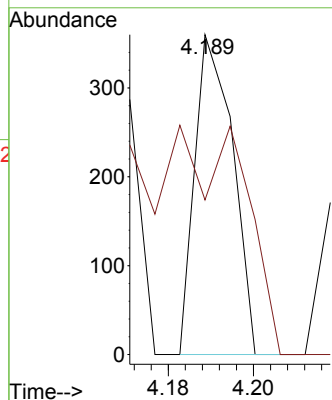
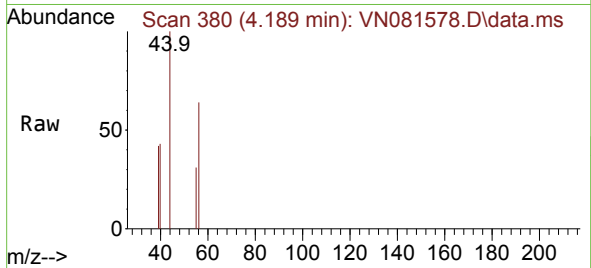




#13
Acrolein
Concen: 0.271 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

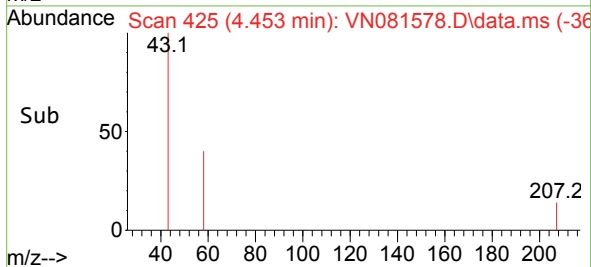
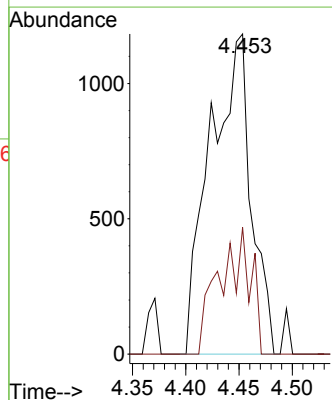
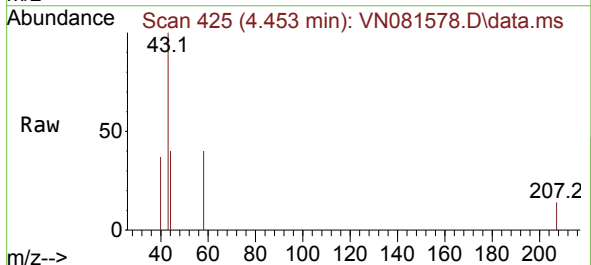
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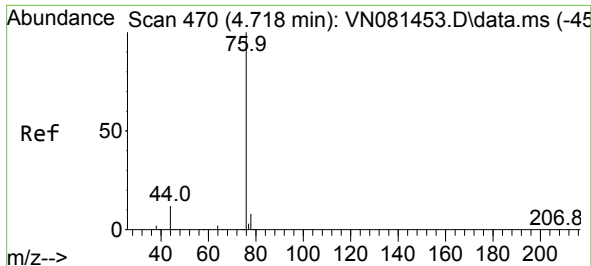
Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 196.4 55.3 82.9#



#16
Acetone
Concen: 1.856 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.029 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

Tgt Ion: 43 Resp: 3147
Ion Ratio Lower Upper
43 100
58 39.6 24.8 37.2#

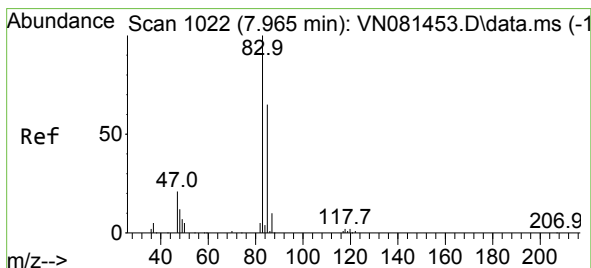
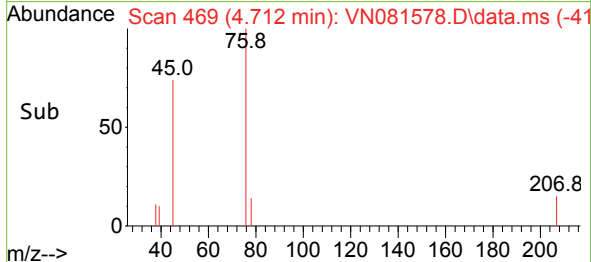
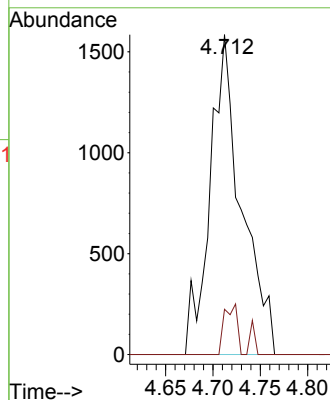
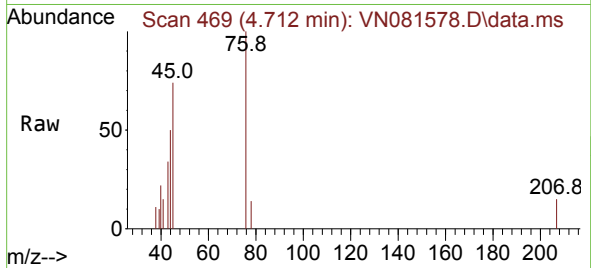




#17
Carbon Disulfide
Concen: 0.262 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

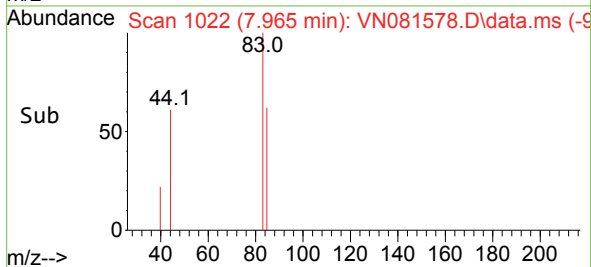
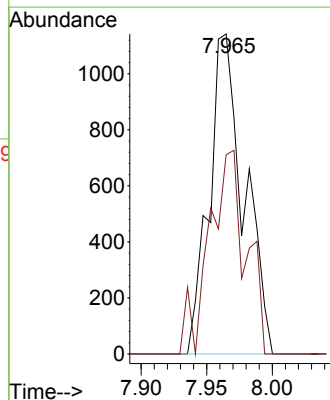
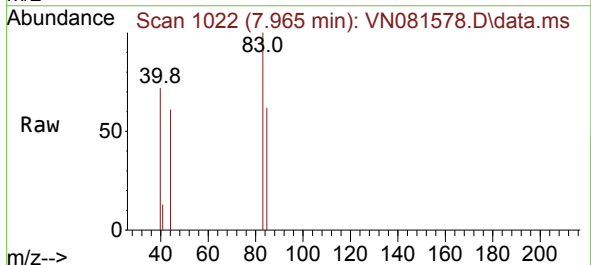
Instrument :
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ClientSampleId :
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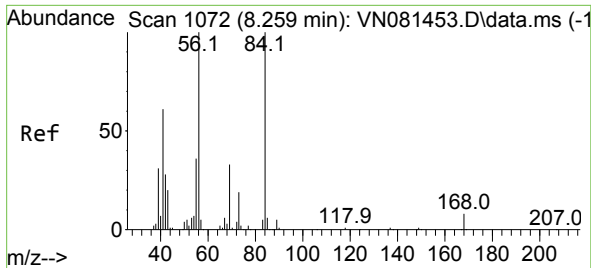
Tgt Ion: 76 Resp: 3655
Ion Ratio Lower Upper
76 100
78 14.2 6.3 9.5#



#30
Chloroform
Concen: 0.208 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

Tgt Ion: 83 Resp: 2104
Ion Ratio Lower Upper
83 100
85 62.3 51.0 76.6

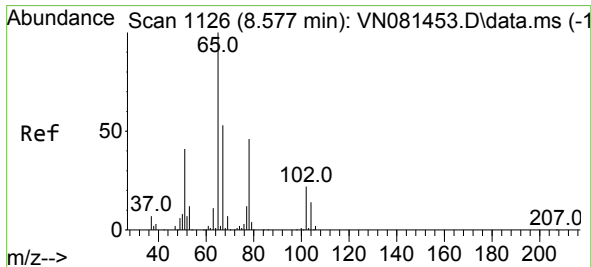
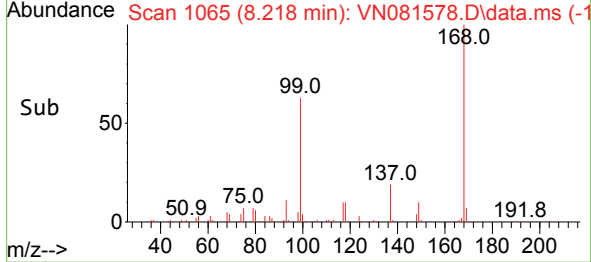
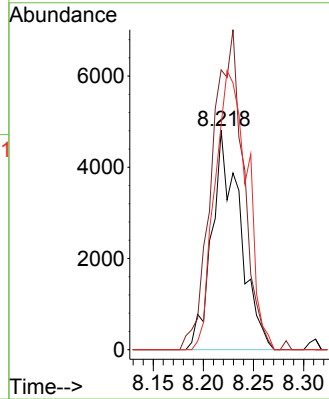
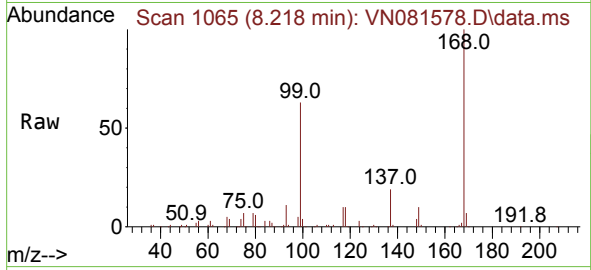




#31
Cyclohexane
Concen: 1.101 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

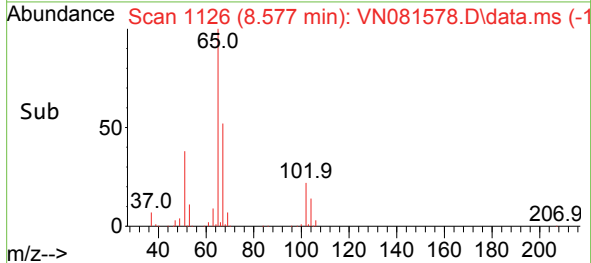
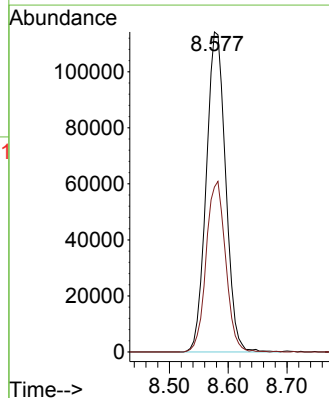
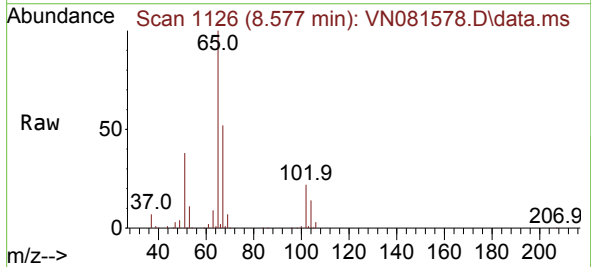
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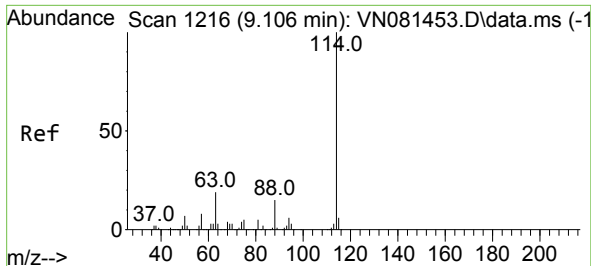
Tgt Ion: 56 Resp: 9397
Ion Ratio Lower Upper
56 100
69 127.6 20.1 30.1#
84 102.6 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 49.878 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

Tgt Ion: 65 Resp: 261646
Ion Ratio Lower Upper
65 100
67 53.5 0.0 102.4

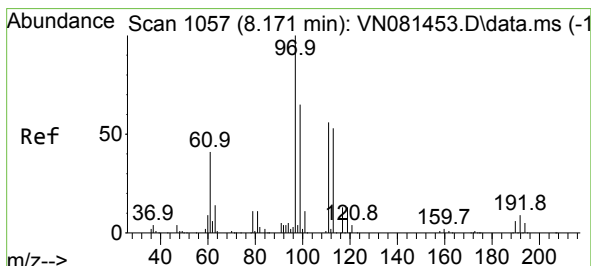
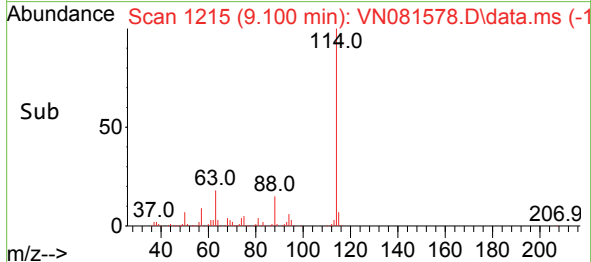
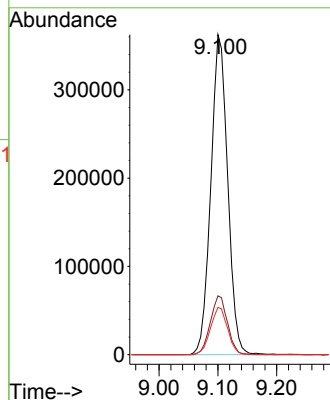
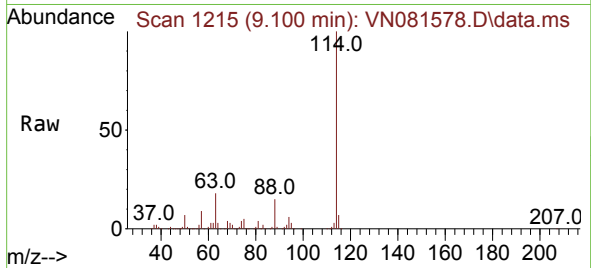




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

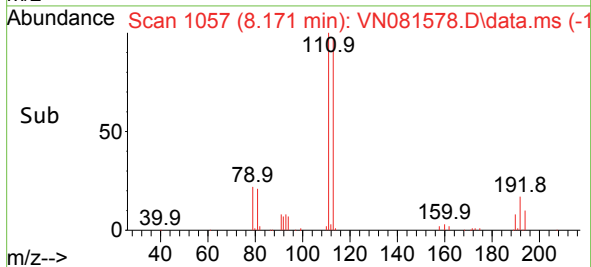
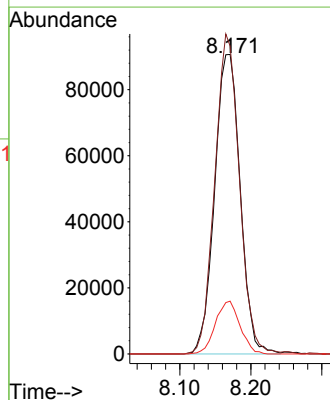
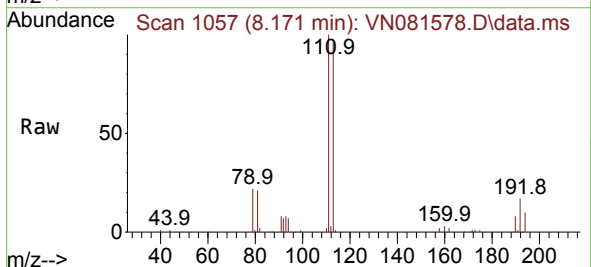
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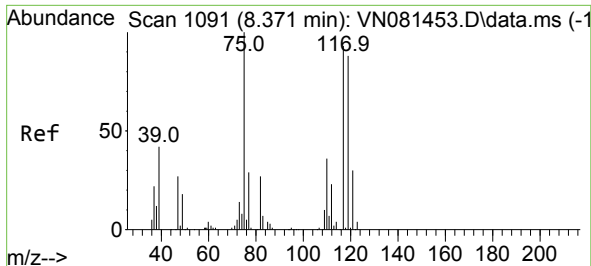
Tgt Ion:114 Resp: 721063
Ion Ratio Lower Upper
114 100
63 18.4 0.0 48.0
88 14.8 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.782 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

Tgt Ion:113 Resp: 226538
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 16.9 12.5 18.7

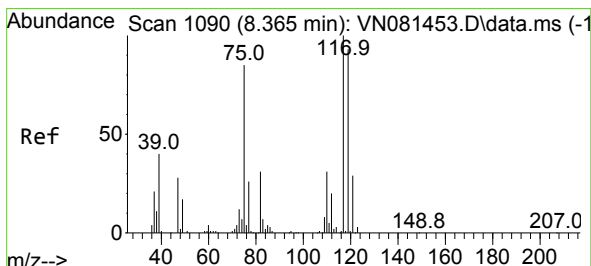
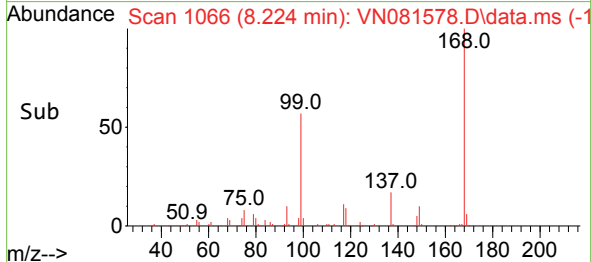
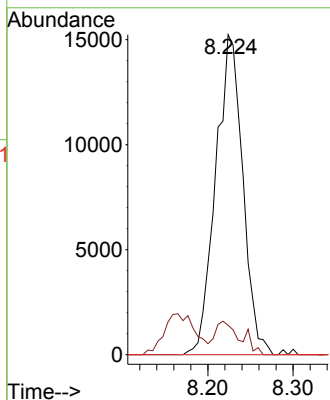
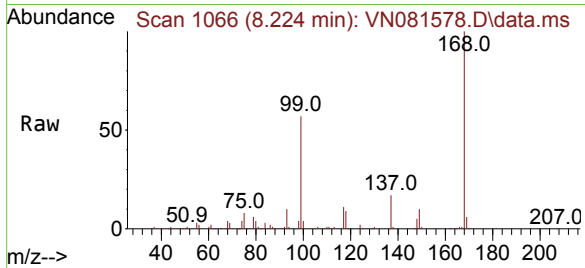




#36
1,1-Dichloropropene
Concen: 4.381 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

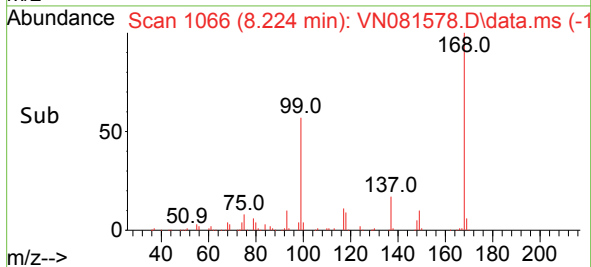
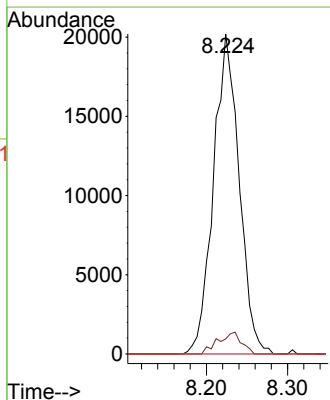
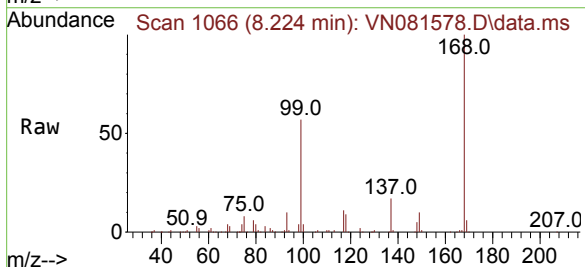
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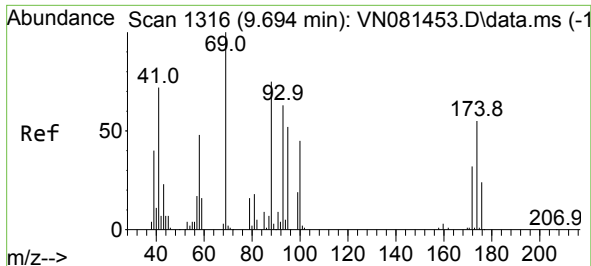
Tgt Ion: 75 Resp: 33548
Ion Ratio Lower Upper
75 100
110 9.9 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 5.289 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

Tgt Ion: 117 Resp: 44367
Ion Ratio Lower Upper
117 100
119 4.7 73.4 110.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 1.004 ug/l

RT: 9.688 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081578.D

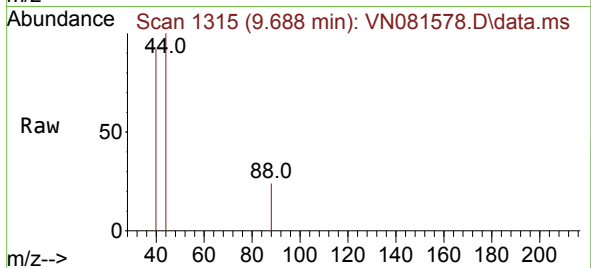
Acq: 26 Mar 2024 14:13

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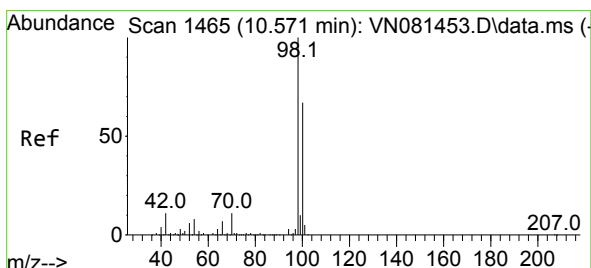
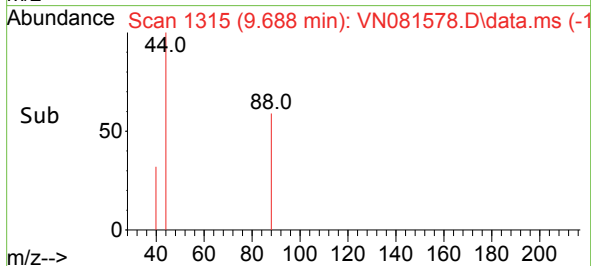
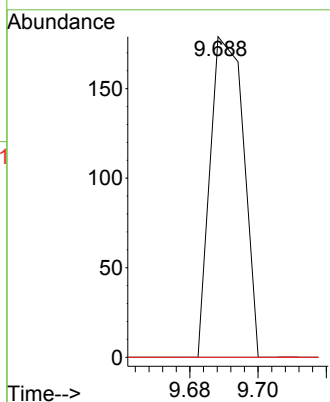
Tgt Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 51.532 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081578.D

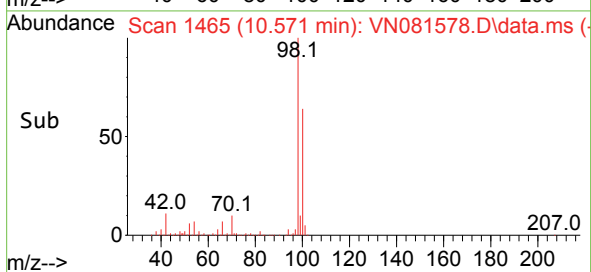
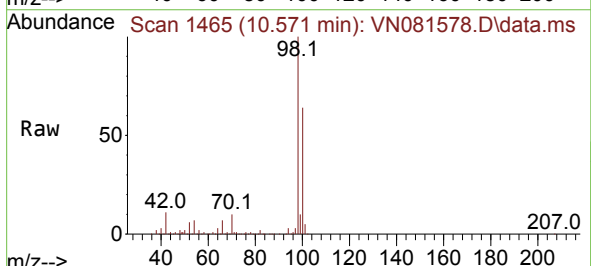
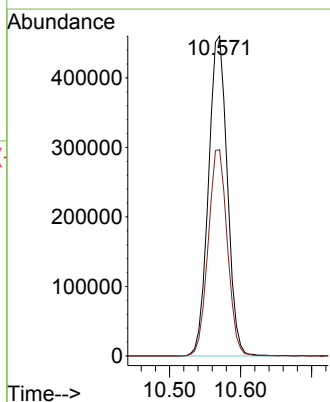
Acq: 26 Mar 2024 14:13

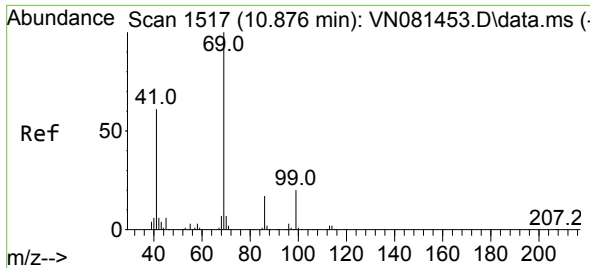
Tgt Ion: 98 Resp: 847700

Ion Ratio Lower Upper

98 100

100 65.6 51.4 77.0

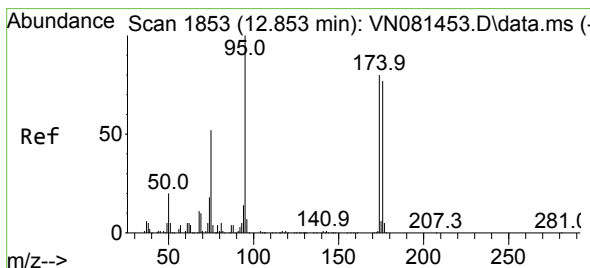
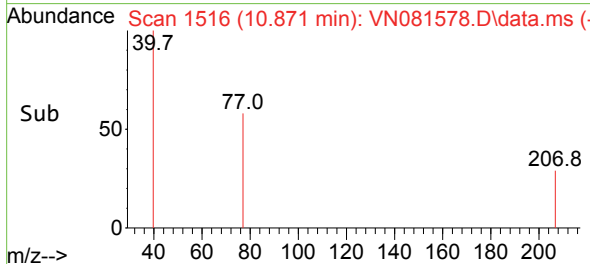
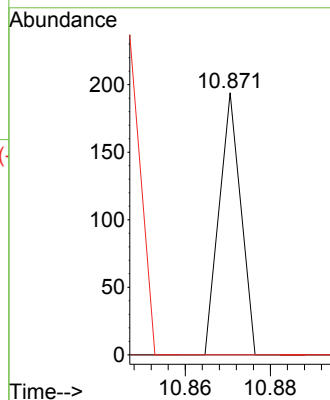
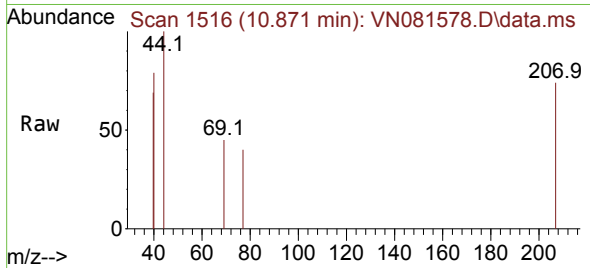




#56
Ethyl methacrylate
Concen: 0.579 ug/l
RT: 10.871 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

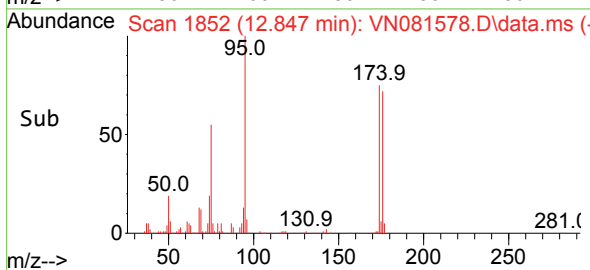
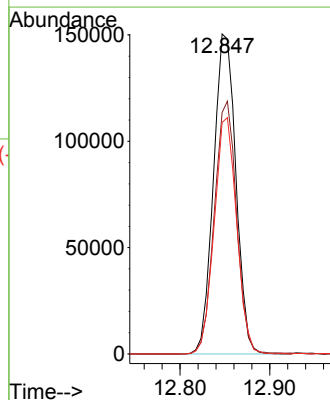
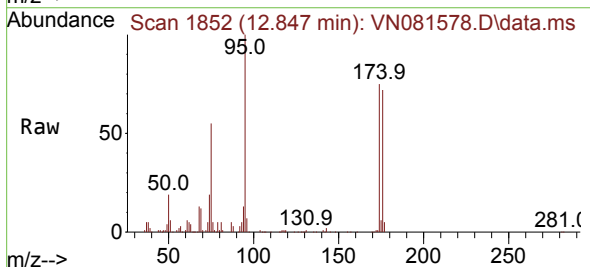
Instrument :
MSVOA_N
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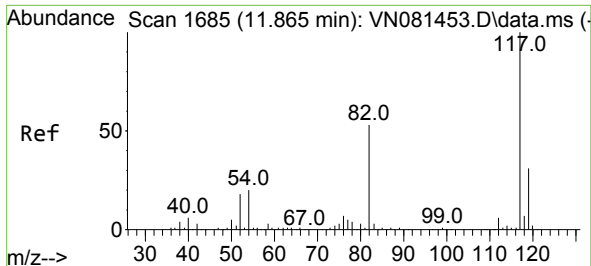
Tgt Ion:	69	Resp:	68
Ion	Ratio	Lower	Upper
69	100		
41	0.0	61.0	91.6#
39	0.0	31.8	47.6#



#62
4-Bromofluorobenzene
Concen: 45.022 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

Tgt Ion:	95	Resp:	260963
Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	120.4
176	73.9	0.0	121.0

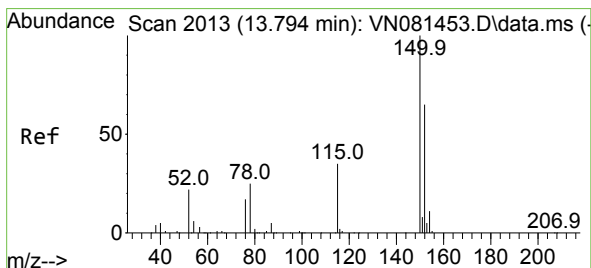
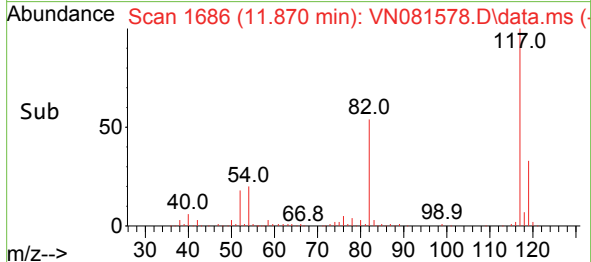
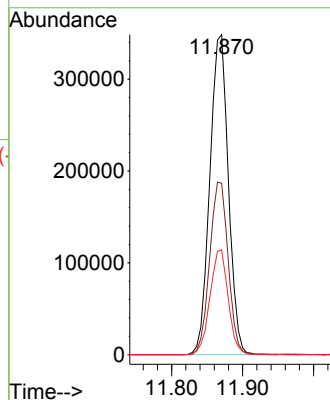
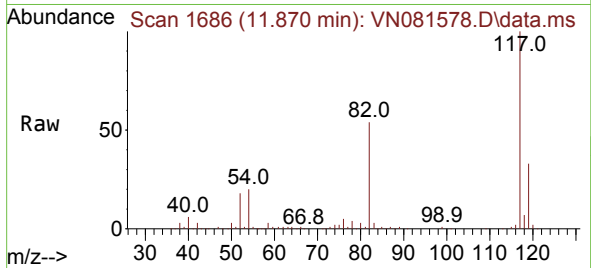




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

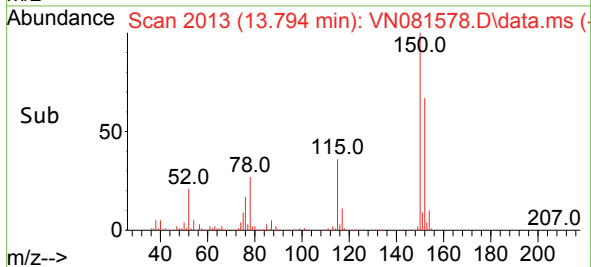
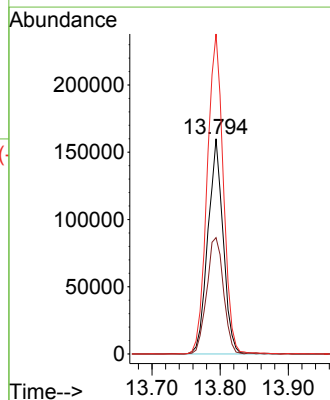
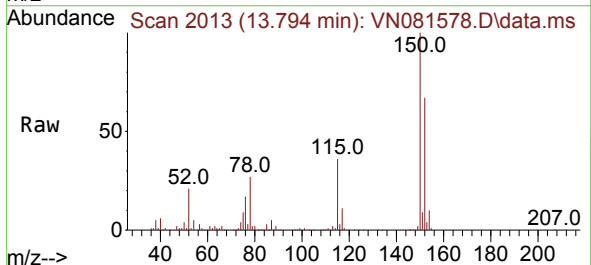
Instrument :
MSVOA_N
ClientSampleId :
RE137-SP302-20240321

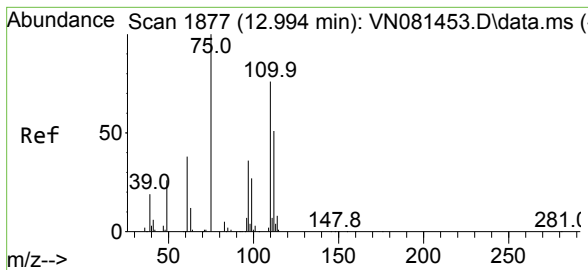
Tgt Ion:117 Resp: 631801
Ion Ratio Lower Upper
117 100
82 53.6 52.7 79.1
119 32.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

Tgt Ion:152 Resp: 249332
Ion Ratio Lower Upper
152 100
115 59.5 32.3 96.8
150 157.2 0.0 339.8

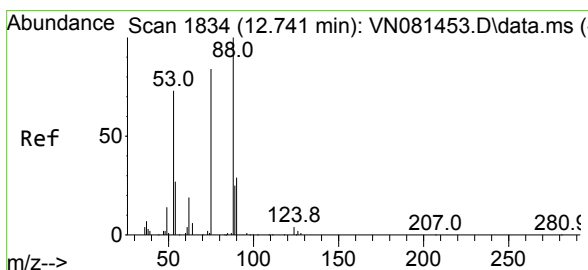
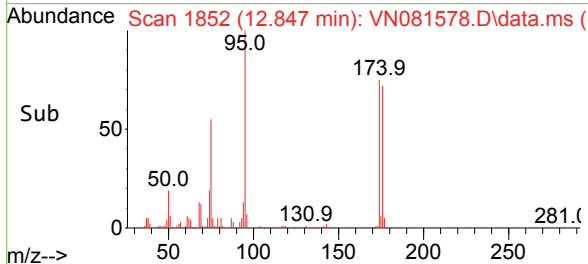
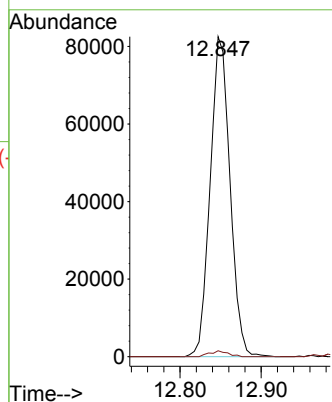
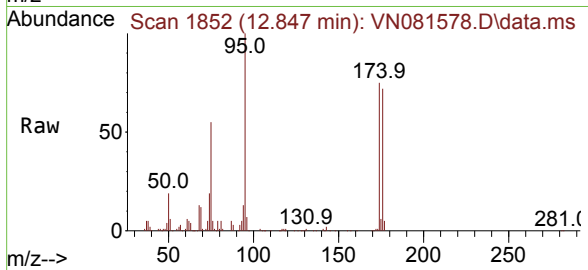




#76
1,2,3-Trichloropropane
Concen: 23.471 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

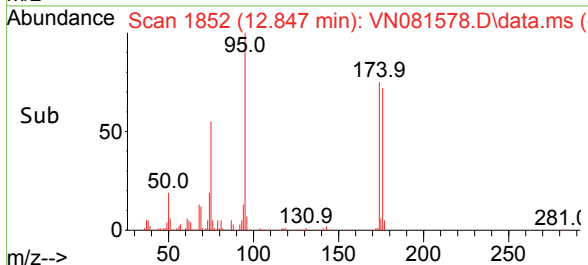
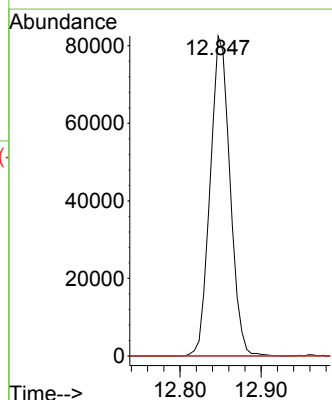
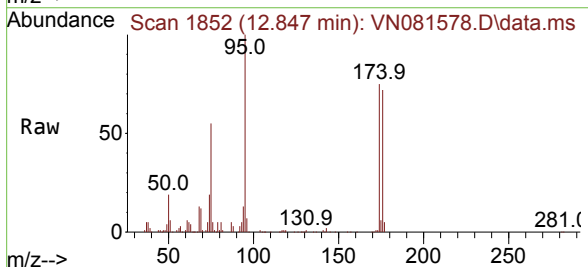
Instrument :
MSVOA_N
ClientSampleId :
RE137-SP302-20240321

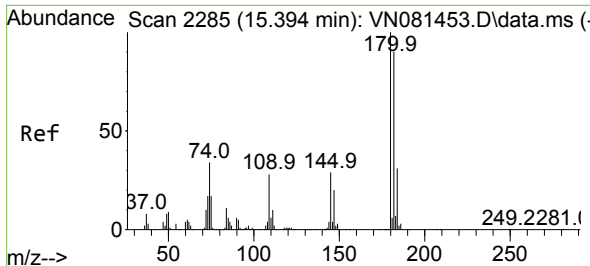
Tgt Ion: 75 Resp: 139986
Ion Ratio Lower Upper
75 100
77 1.7 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.427 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

Tgt Ion: 75 Resp: 139986
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

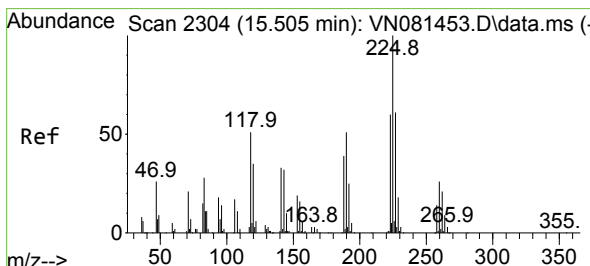
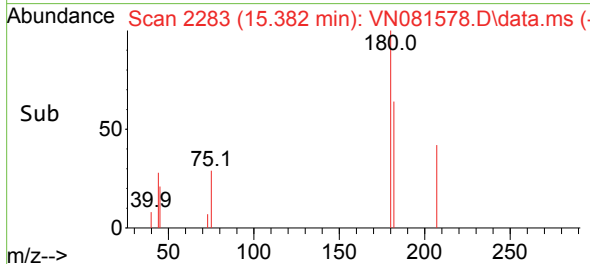
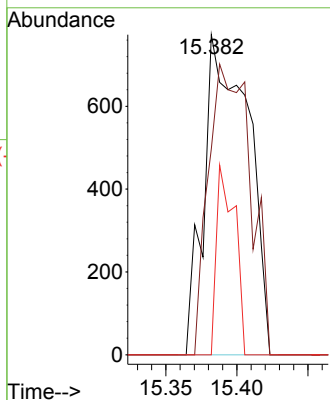
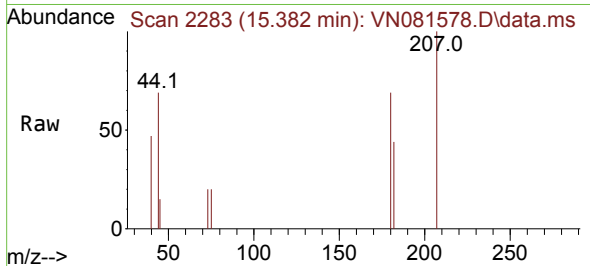




#93
1,2,4-Trichlorobenzene
Concen: 0.310 ug/l
RT: 15.382 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

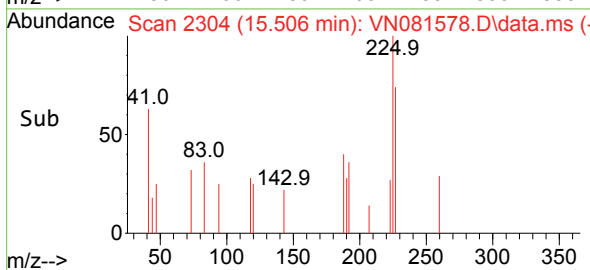
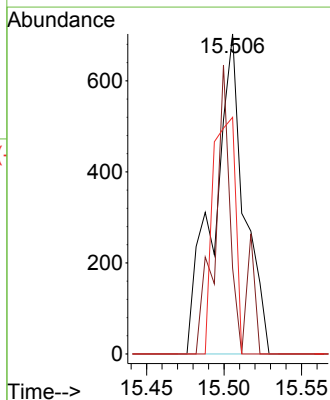
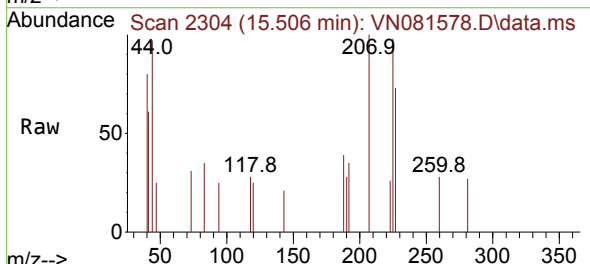
Instrument :
MSVOA_N
ClientSampleId :
RE137-SP302-20240321

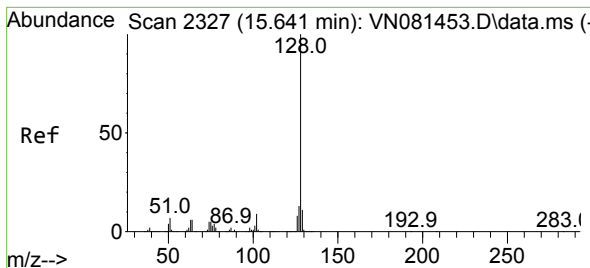
Tgt Ion:180 Resp: 1665
Ion Ratio Lower Upper
180 100
182 86.8 46.6 139.7
145 24.6 16.8 50.3



#94
Hexachlorobutadiene
Concen: 0.407 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN081578.D
Acq: 26 Mar 2024 14:13

Tgt Ion:225 Resp: 959
Ion Ratio Lower Upper
225 100
223 43.8 33.3 99.8
227 54.5 33.1 99.2





#95

Naphthalene

Concen: 0.257 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN081578.D

Acq: 26 Mar 2024 14:13

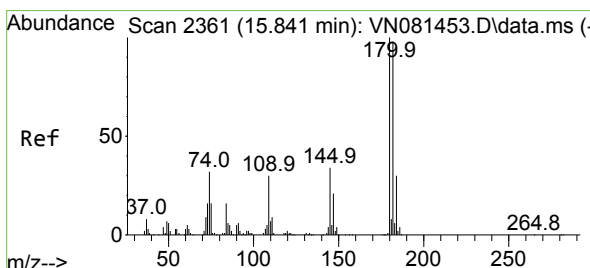
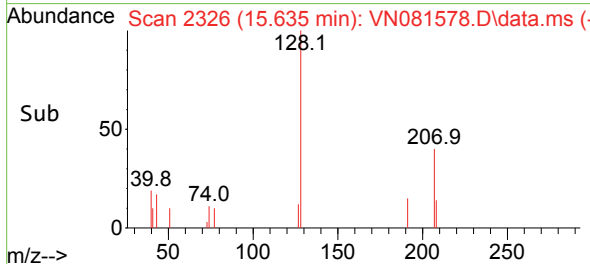
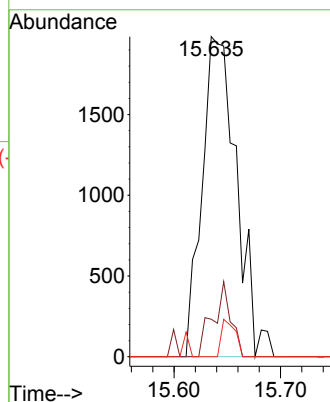
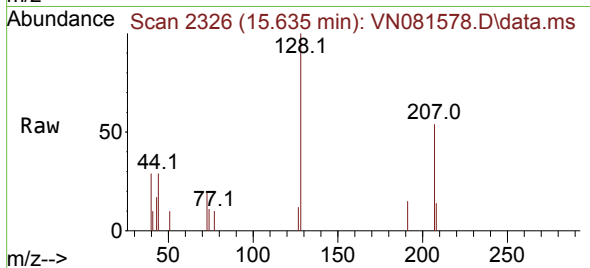
Instrument :

MSVOA_N

ClientSampleId :

RE137-SP302-20240321

Tgt Ion:	128	Resp:	4466
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.0	15.0
129	4.6	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.284 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN081578.D

Acq: 26 Mar 2024 14:13

Tgt Ion:	180	Resp:	1536
Ion	Ratio	Lower	Upper
180	100		
182	78.1	46.5	139.3
145	4.7	17.8	53.4#

