

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022124\
 Data File : VN081121.D
 Acq On : 21 Feb 2024 15:33
 Operator : JC\MD
 Sample : P1546-09 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1332

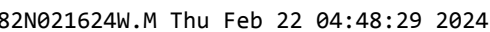
Quant Time: Feb 22 04:48:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

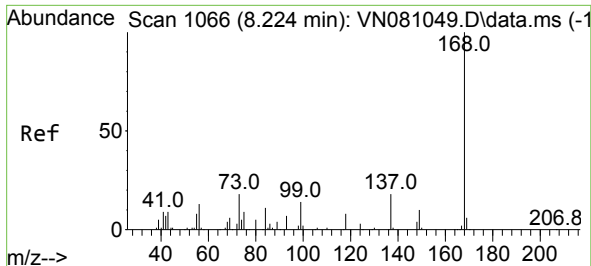
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	330662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	629926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	536365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	221976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	198122	48.883	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.760%
35) Dibromofluoromethane	8.171	113	167569	47.043	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.080%
50) Toluene-d8	10.571	98	549609	43.443	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	86.880%
62) 4-Bromofluorobenzene	12.847	95	201768	42.443	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1166	Below Cal	#	84
5) Bromomethane	2.977	94	850	0.252	ug/l	89
6) Chloroethane	3.148	64	112	Below Cal	#	1
11) Tert butyl alcohol	5.518	59	273	0.366	ug/l	# 72
13) Acrolein	4.177	56	943	2.360	ug/l	# 61
16) Acetone	4.430	43	1491	0.935	ug/l	# 44
20) Methylene Chloride	5.277	84	1567	Below Cal	#	54
25) 2-Butanone	7.494	43	3122	1.212	ug/l	# 85
31) Cyclohexane	8.224	56	8452	1.208	ug/l	# 11
36) 1,1-Dichloropropene	8.224	75	28893	4.735	ug/l	# 51
38) Carbon Tetrachloride	8.230	117	38554	6.244	ug/l	# 17
43) Isopropyl Acetate	8.694	43	3956	0.411	ug/l	# 57
49) 1,4-Dioxane	9.682	88	57	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.847	75	108511	21.515	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	108511	55.379	ug/l	# 14

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

Quant Time: Feb 22 04:48:18 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

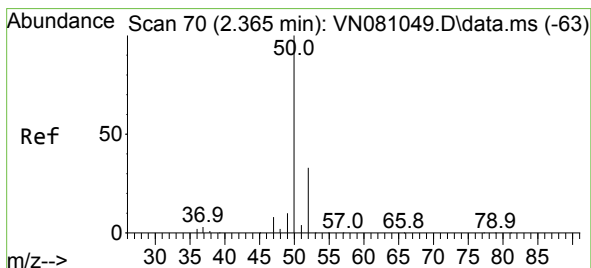
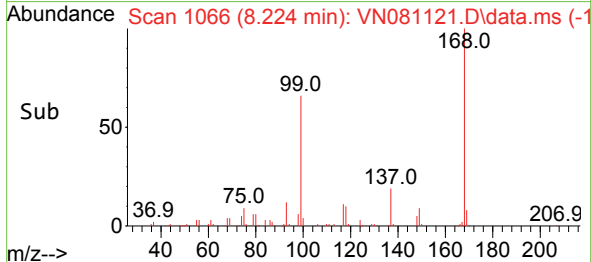
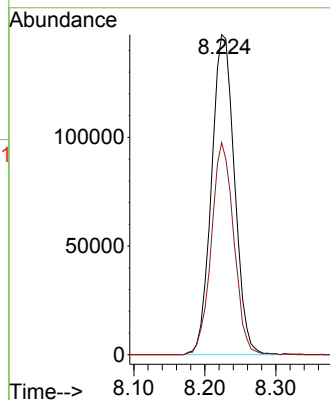
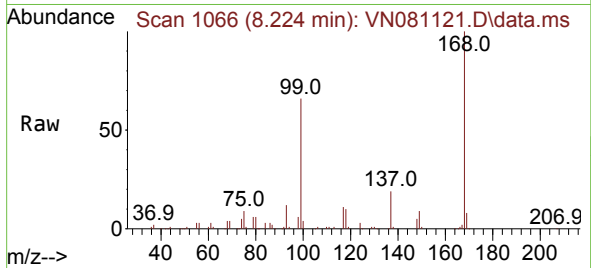




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

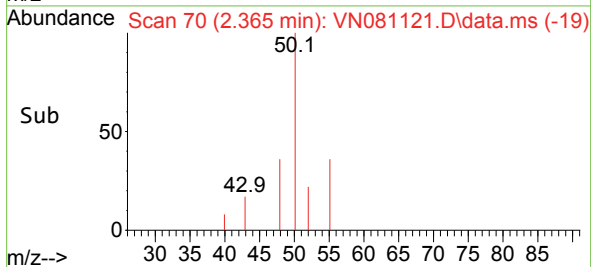
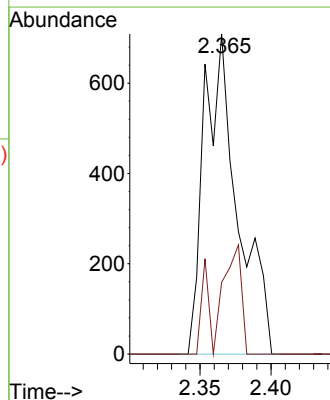
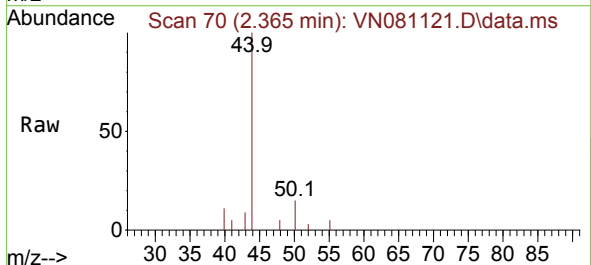
Instrument :
MSVOA_N
ClientSampleId :
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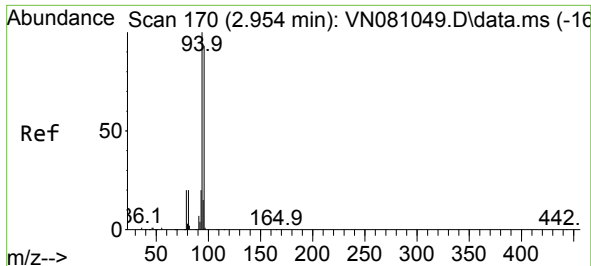
Tgt Ion:168 Resp: 330662
Ion Ratio Lower Upper
168 100
99 66.3 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

Tgt Ion: 50 Resp: 1166
Ion Ratio Lower Upper
50 100
52 22.4 25.0 37.4#

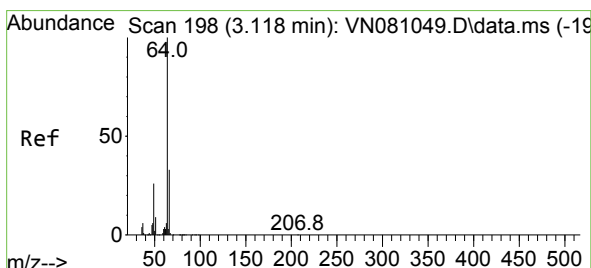
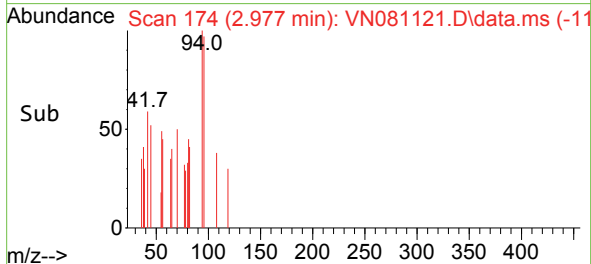
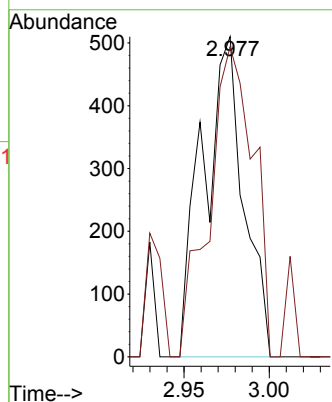
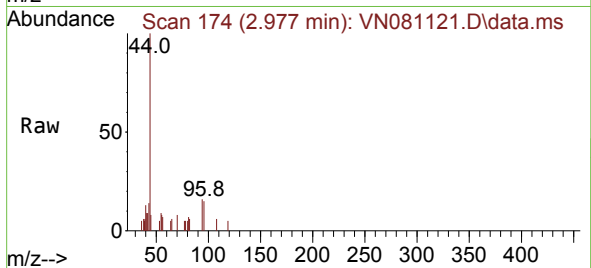




#5
Bromomethane
Concen: 0.252 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

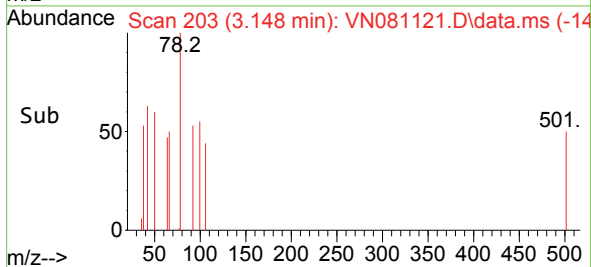
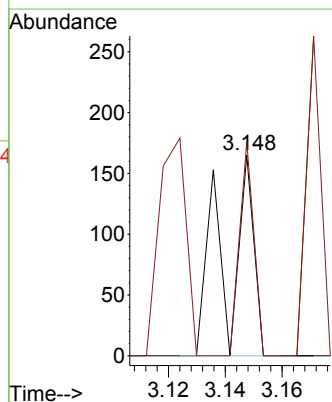
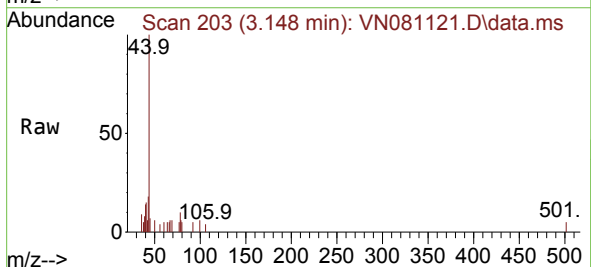
Instrument :
MSVOA_N
ClientSampleId :
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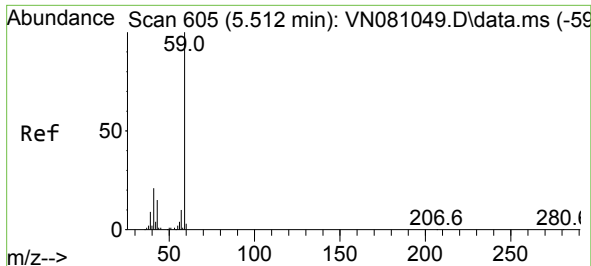
Tgt Ion: 94 Resp: 850
Ion Ratio Lower Upper
94 100
96 96.9 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

Tgt Ion: 64 Resp: 112
Ion Ratio Lower Upper
64 100
66 106.7 26.4 39.6#

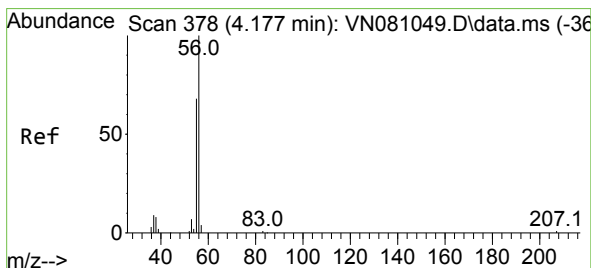
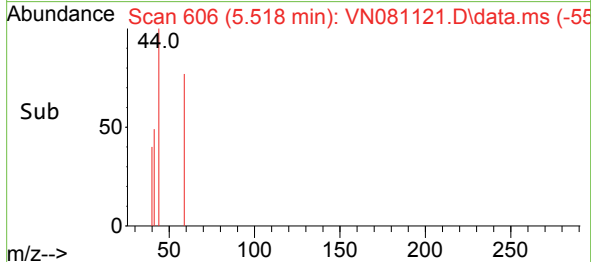
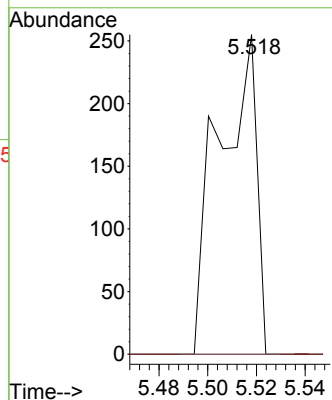
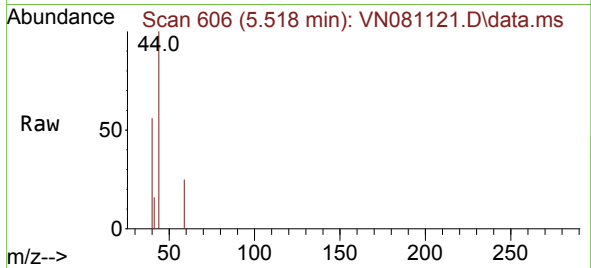




#11
Tert butyl alcohol
Concen: 0.366 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

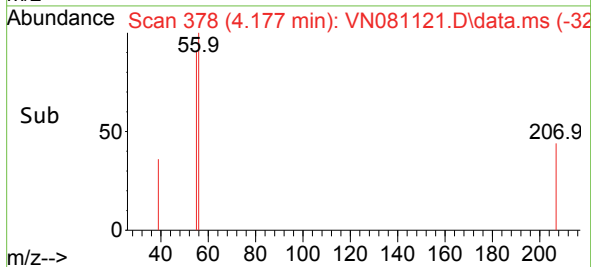
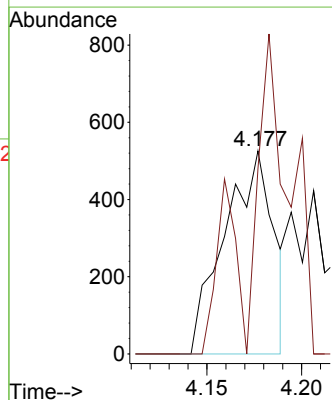
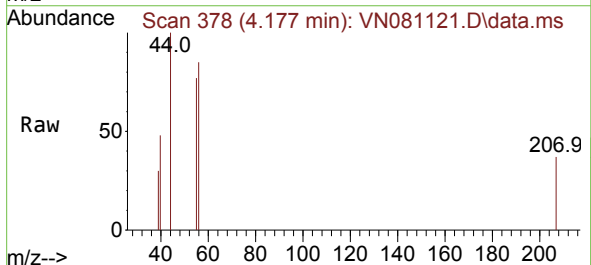
Instrument :
MSVOA_N
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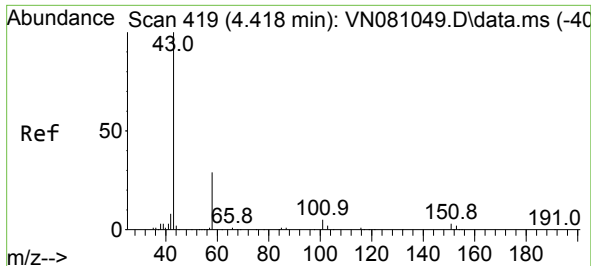
Tgt Ion: 59 Resp: 273
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 2.360 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

Tgt Ion: 56 Resp: 943
Ion Ratio Lower Upper
56 100
55 100.5 55.3 82.9#

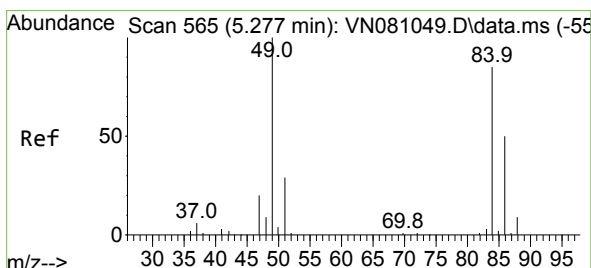
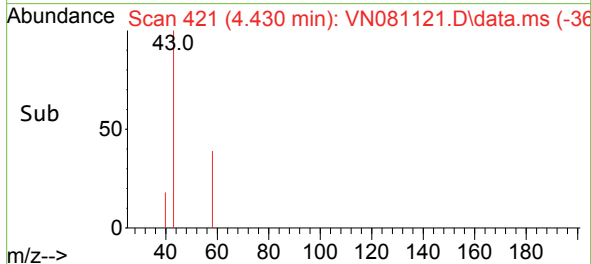
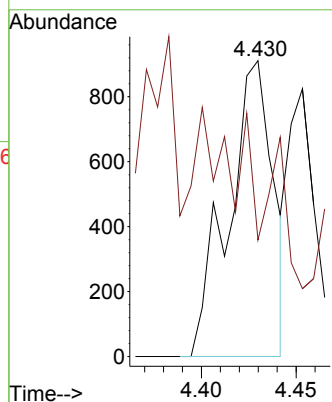
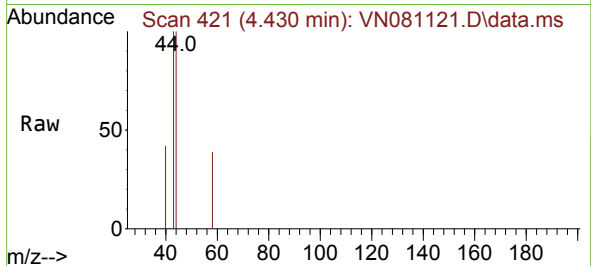




#16
Acetone
Concen: 0.935 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

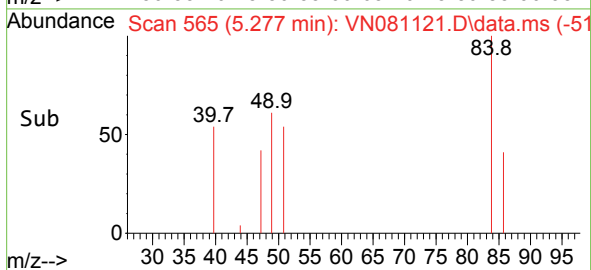
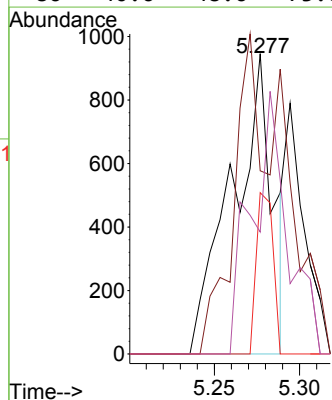
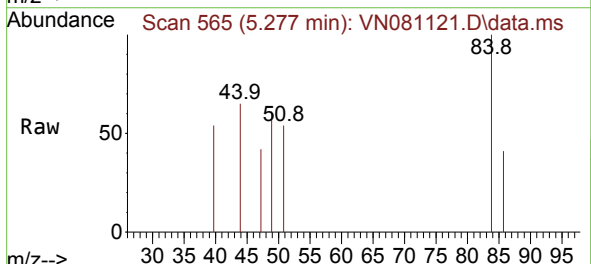
Instrument :
MSVOA_N
ClientSampleId :
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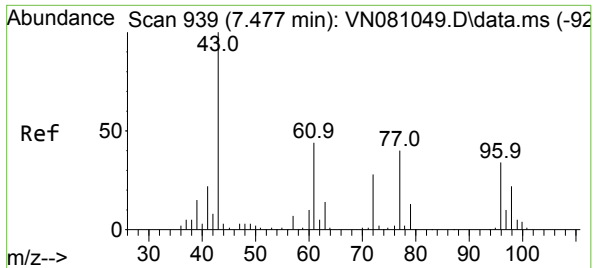
Tgt Ion: 43 Resp: 1491
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

Tgt Ion: 84 Resp: 1567
Ion Ratio Lower Upper
84 100
49 61.0 108.1 162.1#
51 53.7 32.9 49.3#
86 40.6 48.6 73.0#

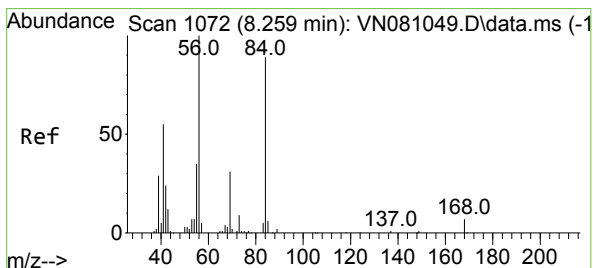
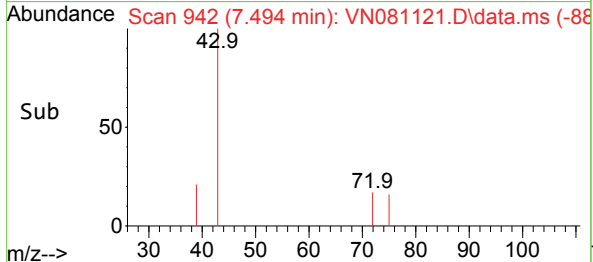
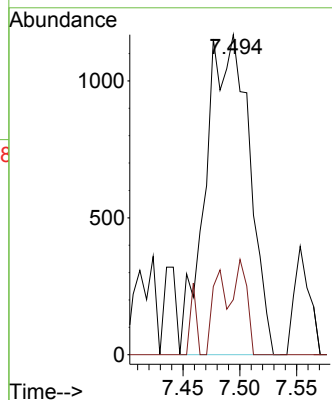
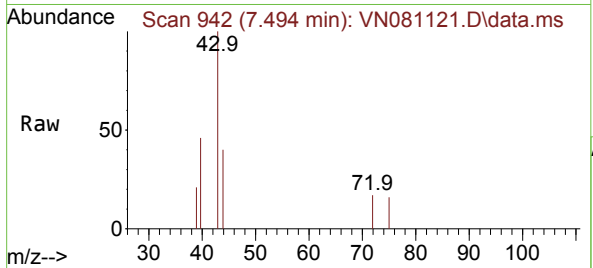




#25
2-Butanone
Concen: 1.212 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

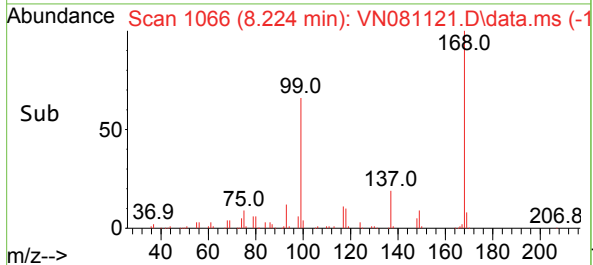
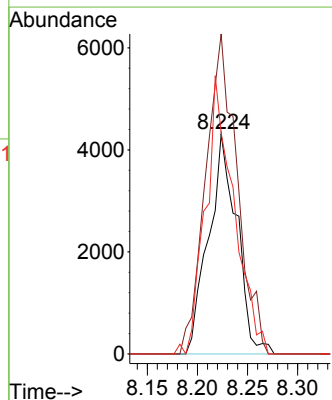
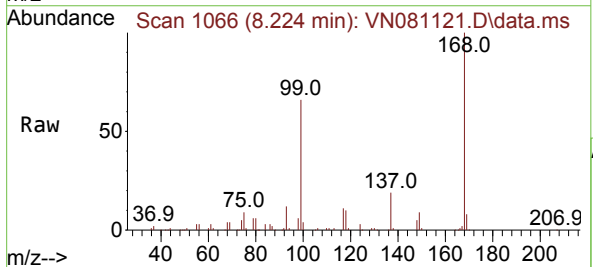
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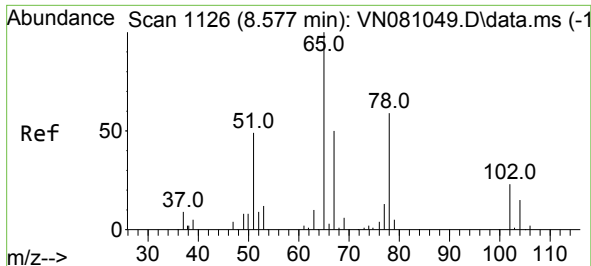
Tgt Ion: 43 Resp: 3122
Ion Ratio Lower Upper
43 100
72 17.2 19.5 29.3#



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

Tgt Ion: 56 Resp: 8452
Ion Ratio Lower Upper
56 100
69 145.5 20.1 30.1#
84 100.5 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.883 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081121.D

Acq: 21 Feb 2024 15:33

Instrument :

MSVOA_N

ClientSampleId :

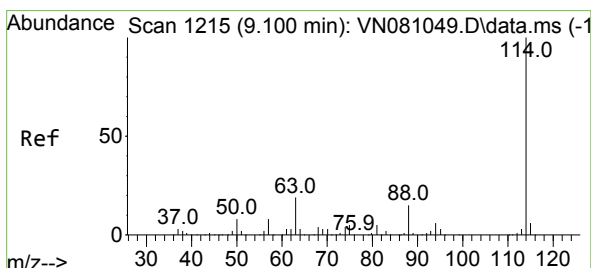
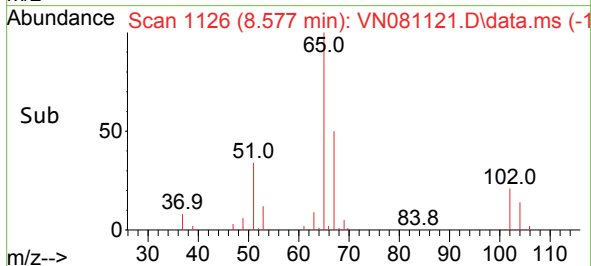
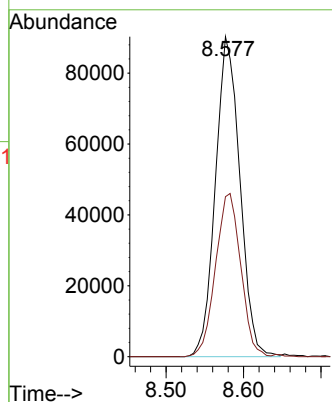
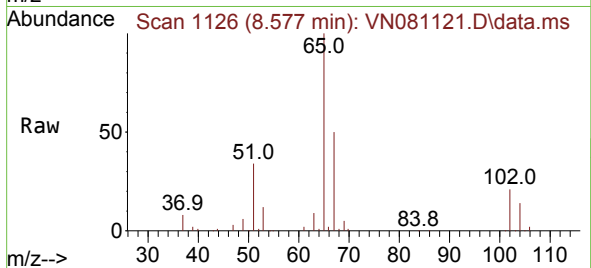
1332

Tgt Ion: 65 Resp: 198122

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081121.D

Acq: 21 Feb 2024 15:33

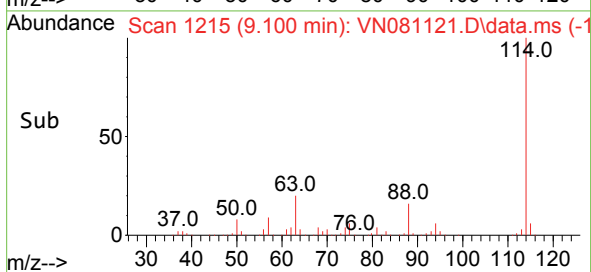
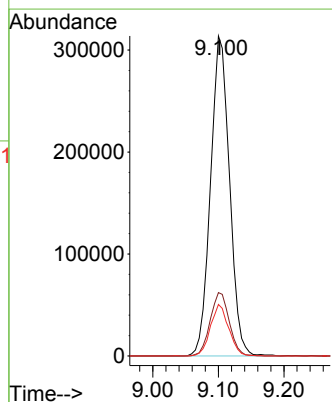
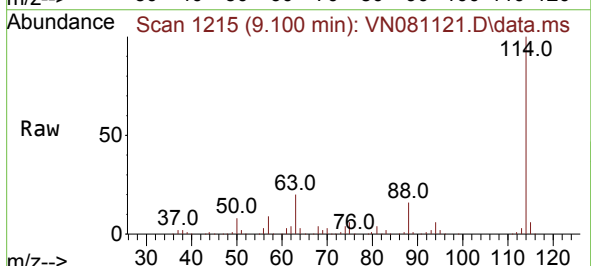
Tgt Ion: 114 Resp: 629926

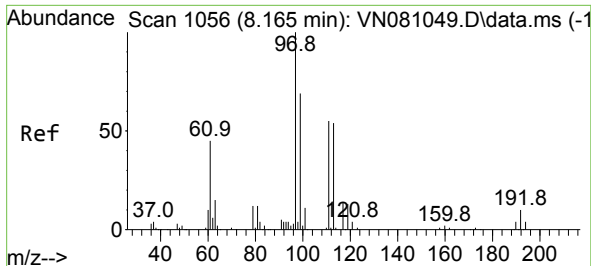
Ion Ratio Lower Upper

114 100

63 19.8 0.0 48.0

88 16.1 0.0 34.8

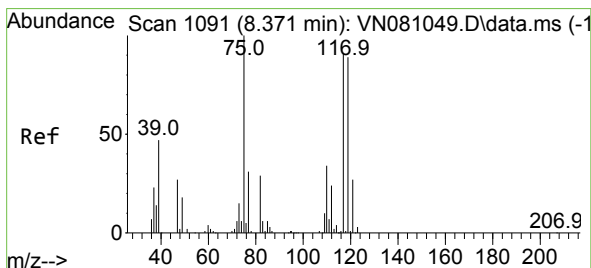
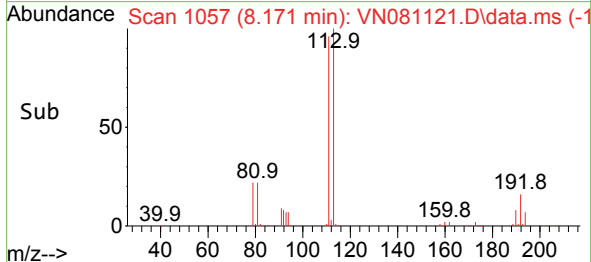
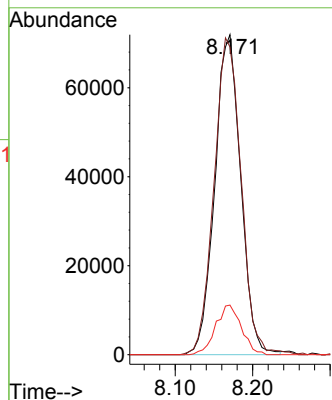
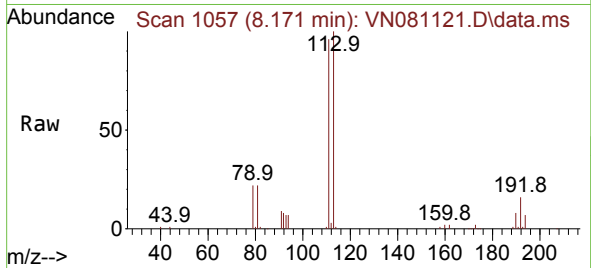




#35
Dibromofluoromethane
Concen: 47.043 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

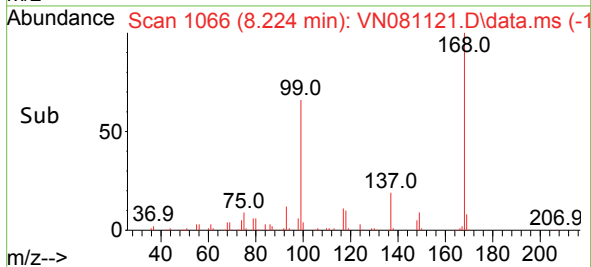
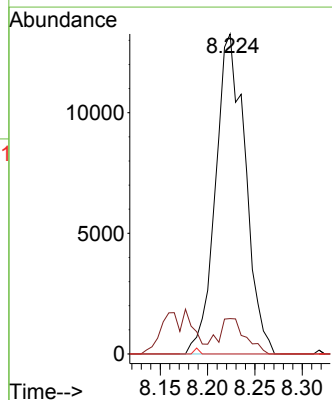
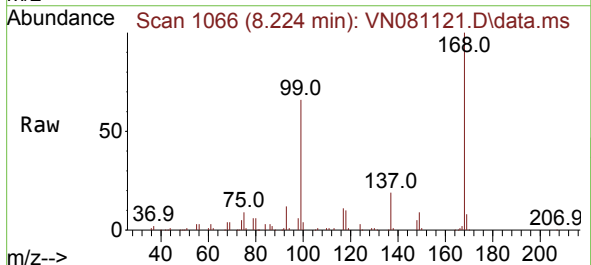
Instrument :
MSVOA_N
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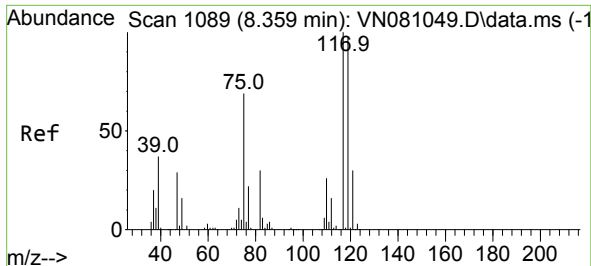
Tgt Ion:113 Resp: 167569
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 15.4 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.735 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

Tgt Ion: 75 Resp: 28893
Ion Ratio Lower Upper
75 100
110 9.9 16.0 48.0#
77 0.0 25.8 38.6#

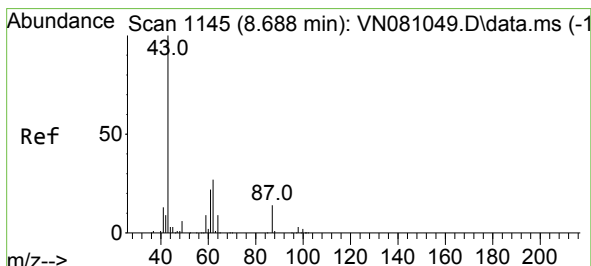
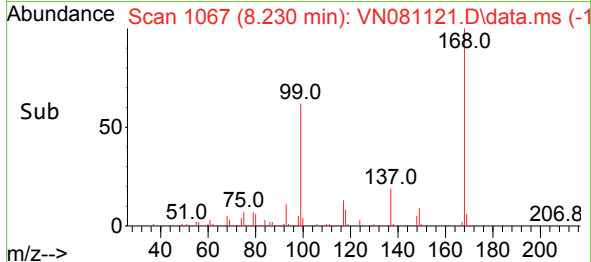
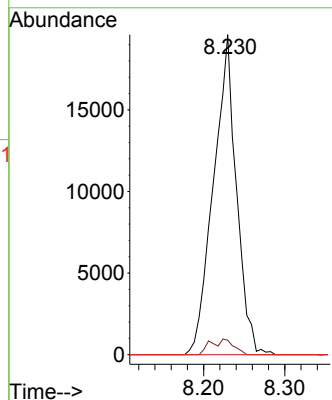
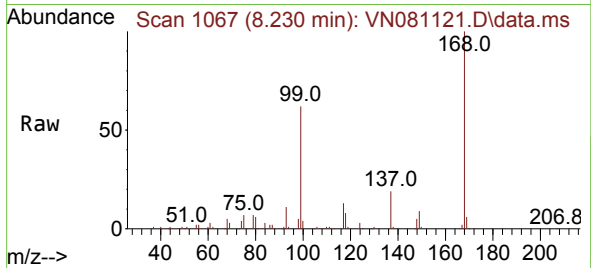




#38
Carbon Tetrachloride
Concen: 6.244 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.130 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

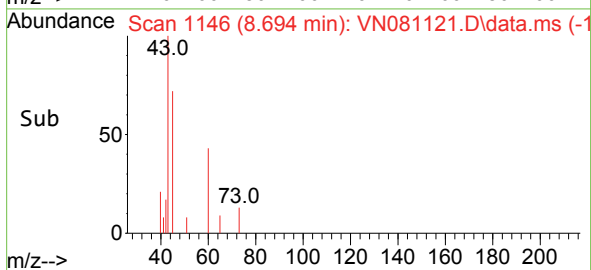
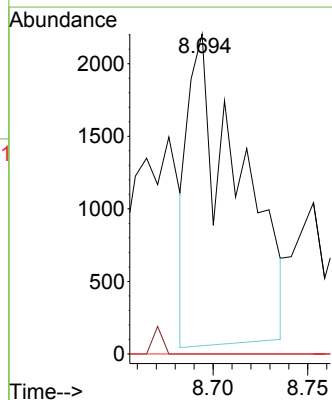
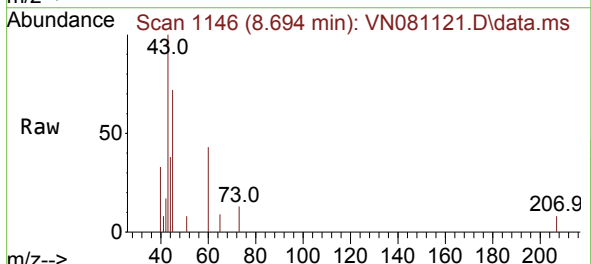
Instrument :
MSVOA_N
ClientSampleId :
1332

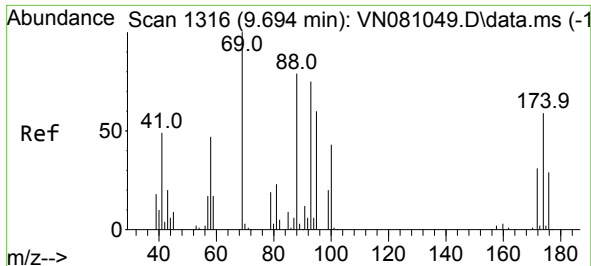
Tgt Ion:117 Resp: 38554
Ion Ratio Lower Upper
117 100
119 4.5 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.411 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081121.D
Acq: 21 Feb 2024 15:33

Tgt Ion: 43 Resp: 3956
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.682 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN081121.D

Acq: 21 Feb 2024 15:33

Instrument :

MSVOA_N

ClientSampleId :

1332

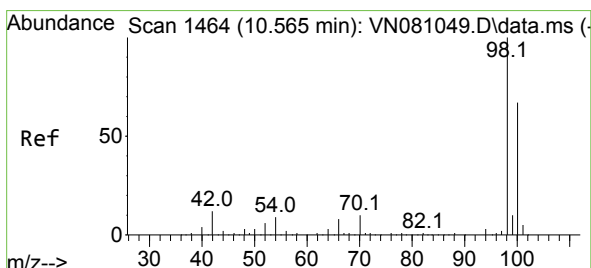
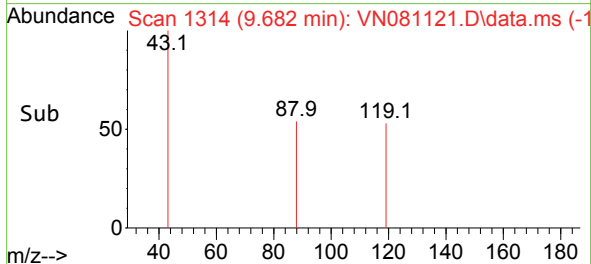
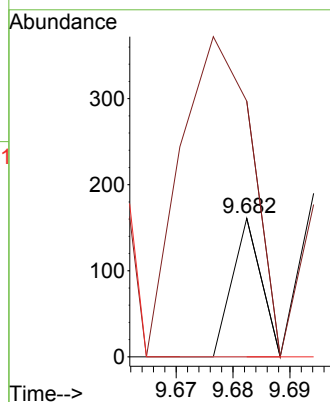
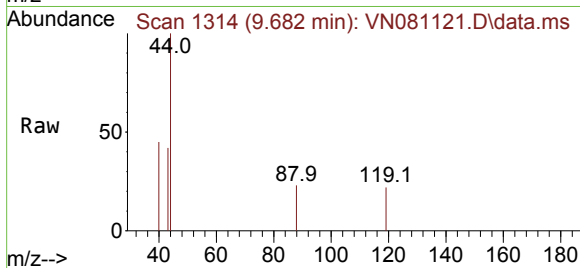
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 564.9 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 43.443 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081121.D

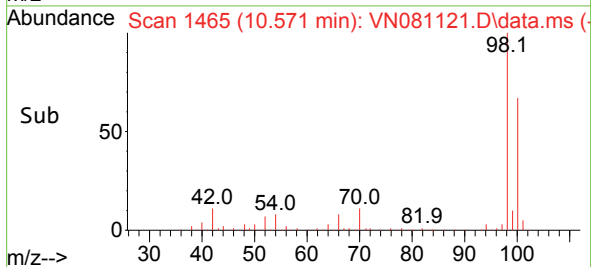
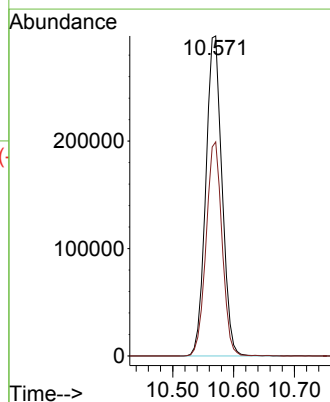
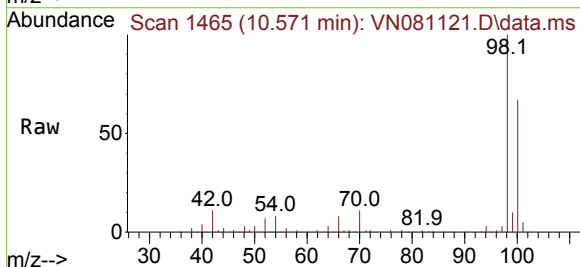
Acq: 21 Feb 2024 15:33

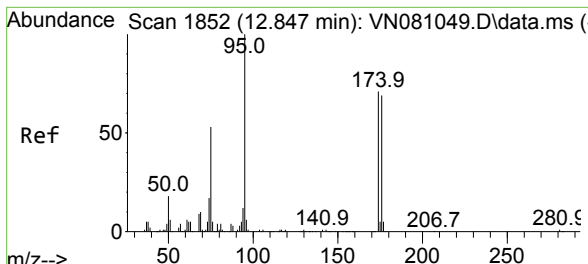
Tgt Ion: 98 Resp: 549609

Ion Ratio Lower Upper

98 100

100 66.0 51.4 77.0

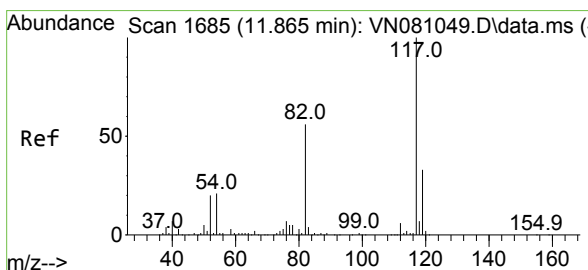
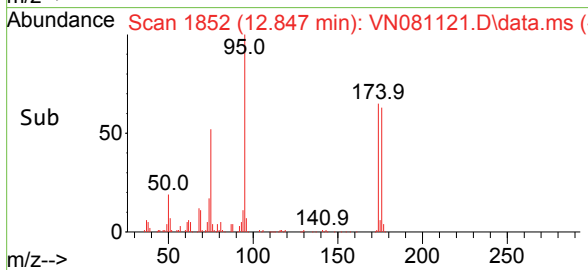
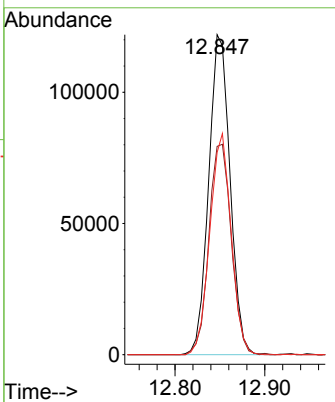
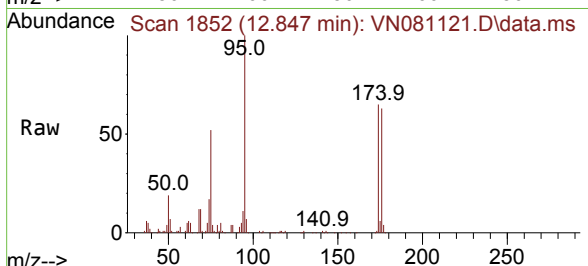




#62
 4-Bromofluorobenzene
 Concen: 42.443 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN081121.D
 Acq: 21 Feb 2024 15:33

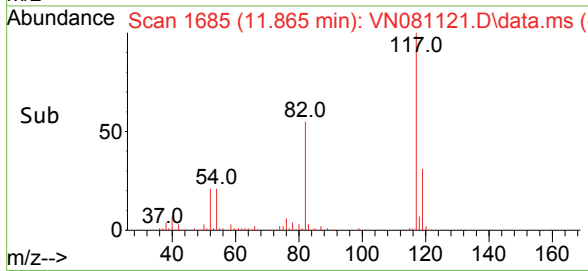
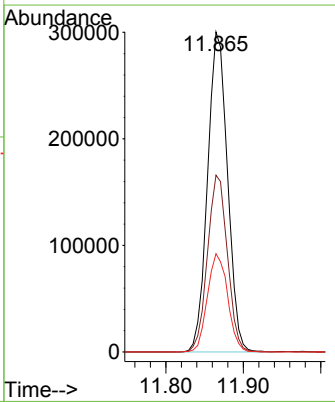
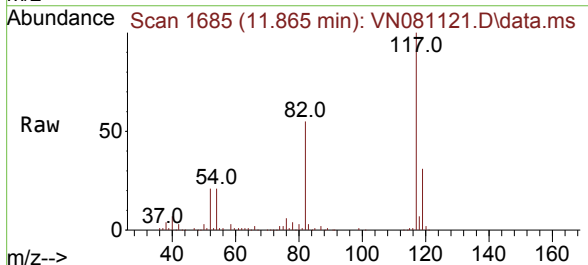
Instrument :
 MSVOA_N
 ClientSampleId :
 1332

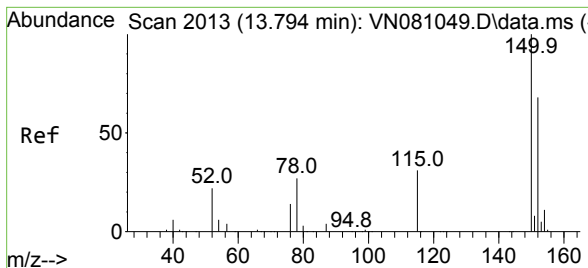
Tgt Ion:	95	Resp:	201768
Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	120.4
176	69.0	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN081121.D
 Acq: 21 Feb 2024 15:33

Tgt Ion:	117	Resp:	536365
Ion	Ratio	Lower	Upper
117	100		
82	55.3	52.7	79.1
119	30.7	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN081121.D

Acq: 21 Feb 2024 15:33

Instrument :

MSVOA_N

ClientSampleId :

1332

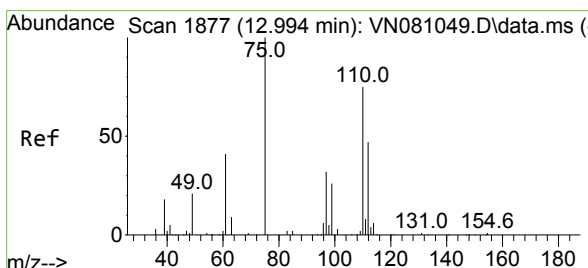
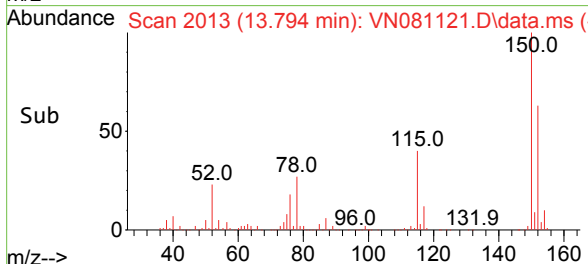
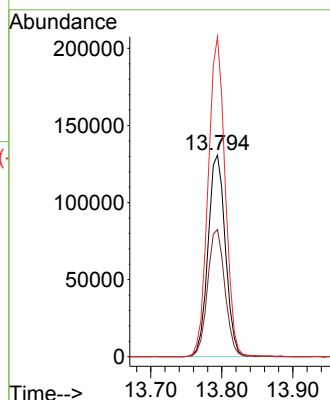
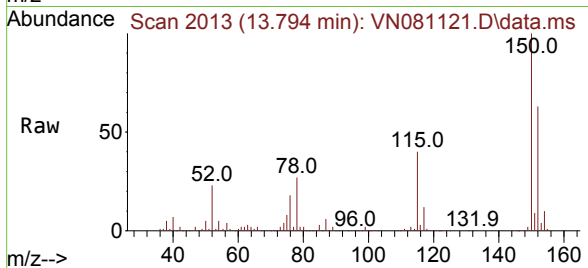
Tgt Ion:152 Resp: 221976

Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 155.7 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 21.515 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081121.D

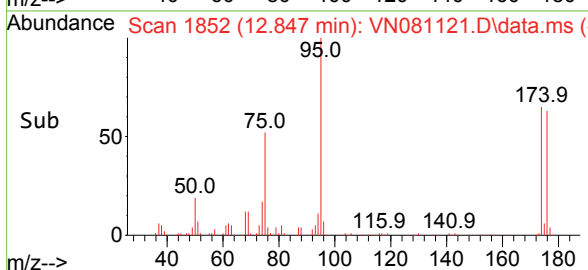
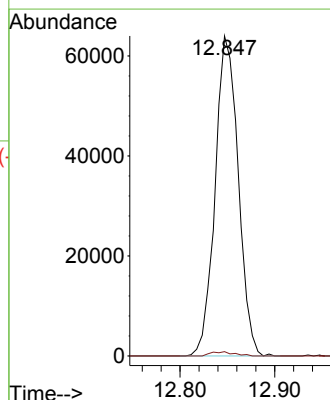
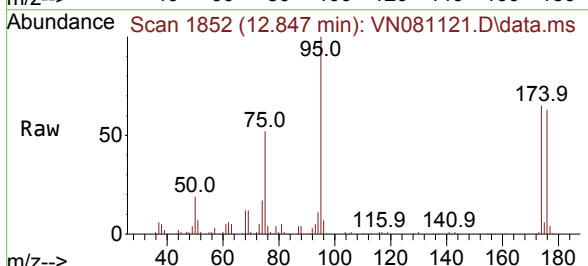
Acq: 21 Feb 2024 15:33

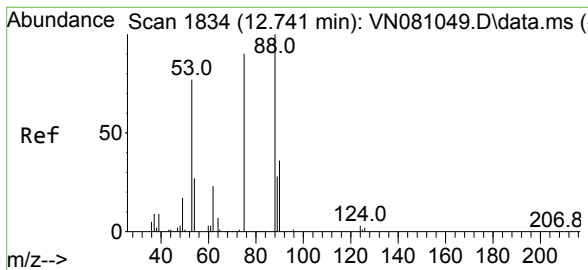
Tgt Ion: 75 Resp: 108511

Ion Ratio Lower Upper

75 100

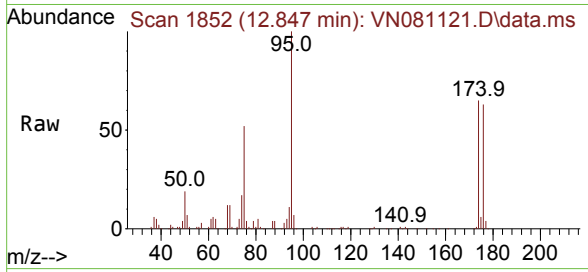
77 1.3 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.379 ug/l
 RT: 12.847 min Scan# 11332
 Delta R.T. 0.106 min
 Lab File: VN081121.D
 Acq: 21 Feb 2024 15:33

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 108511
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.2 33.4 50.0#

