

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022024\
 Data File : VN081097.D
 Acq On : 20 Feb 2024 14:42
 Operator : JC\MD
 Sample : PB159119TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159119TB

Quant Time: Feb 21 00:20:18 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)

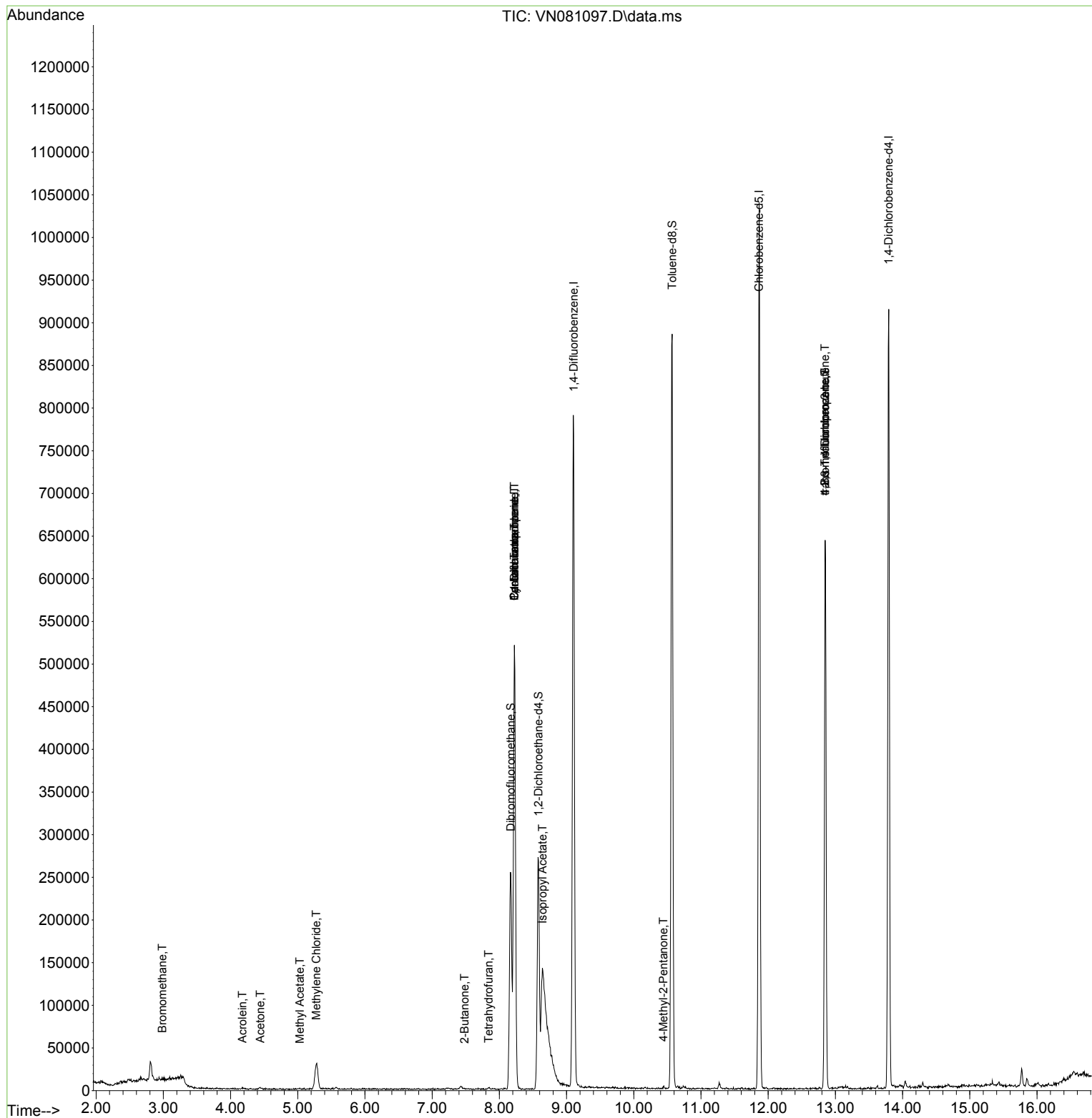
Internal Standards						
1) Pentafluorobenzene	8.224	168	360108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	683242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	590954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	238879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	220309	49.912	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.820%		
35) Dibromofluoromethane	8.171	113	181198	46.900	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.800%		
50) Toluene-d8	10.571	98	627002	45.693	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.380%		
62) 4-Bromofluorobenzene	12.847	95	226425	43.913	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.820%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2006	Below Cal	#	64
5) Bromomethane	2.983	94	1265	0.344	ug/l	82
6) Chloroethane	3.089	64	192	Below Cal	#	42
13) Acrolein	4.177	56	1654	3.802	ug/l	89
16) Acetone	4.442	43	4025	2.318	ug/l	89
18) Methyl Acetate	5.030	43	1272	0.300	ug/l	# 54
20) Methylene Chloride	5.277	84	23220	4.319	ug/l	# 80
25) 2-Butanone	7.483	43	927	0.330	ug/l	# 41
29) Tetrahydrofuran	7.841	42	1324	0.707	ug/l	96
31) Cyclohexane	8.224	56	8335	1.094	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	32066	4.845	ug/l	# 50
38) Carbon Tetrachloride	8.224	117	38590	5.763	ug/l	# 19
43) Isopropyl Acetate	8.641	43	332073	31.784	ug/l	# 57
49) 1,4-Dioxane	9.694	88	250	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.441	43	2656	0.442	ug/l	# 63
76) 1,2,3-Trichloropropane	12.847	75	122864	22.637	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	122864	58.267	ug/l	# 14

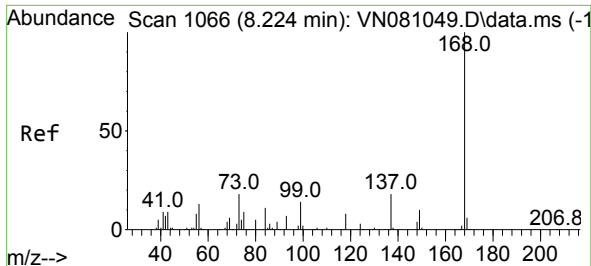
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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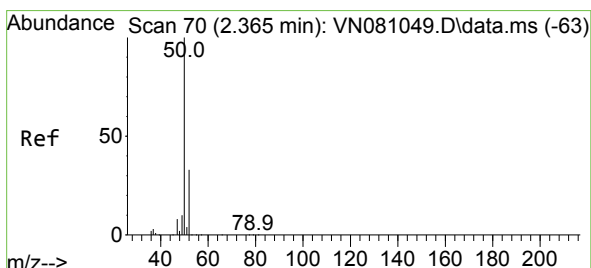
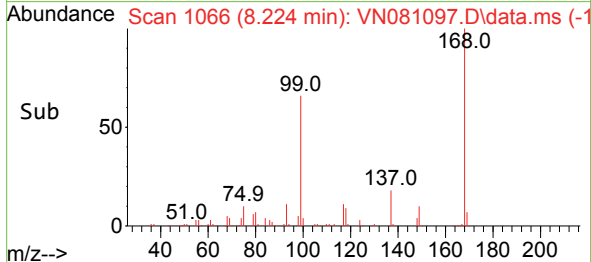
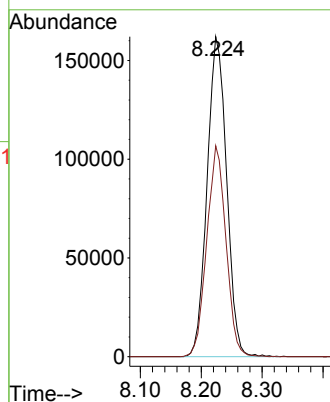
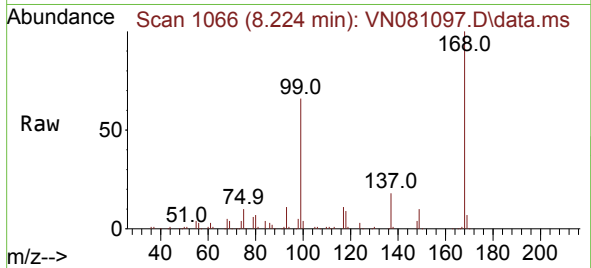




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

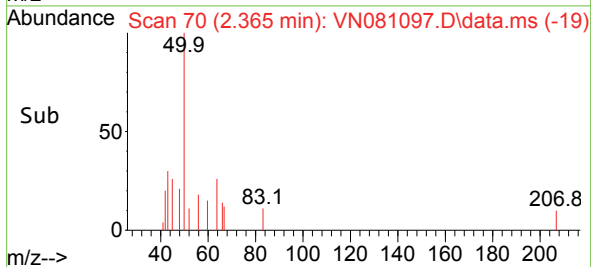
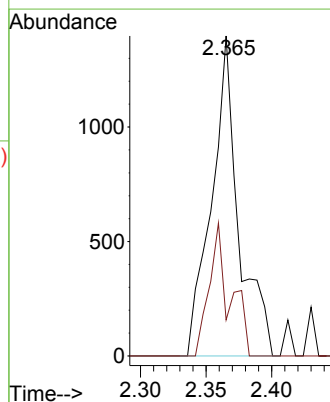
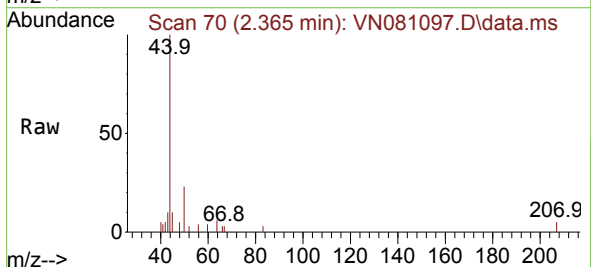
Instrument :
MSVOA_N
ClientSampleId :
PB159119TB

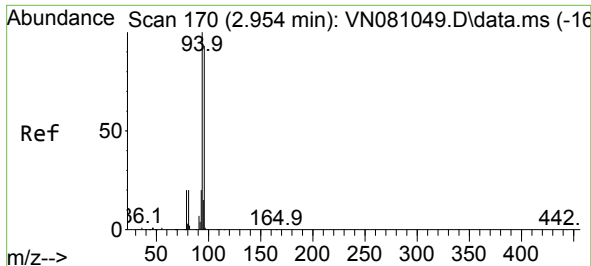
Tgt Ion:168 Resp: 360108
Ion Ratio Lower Upper
168 100
99 65.9 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

Tgt Ion: 50 Resp: 2006
Ion Ratio Lower Upper
50 100
52 11.2 25.0 37.4#

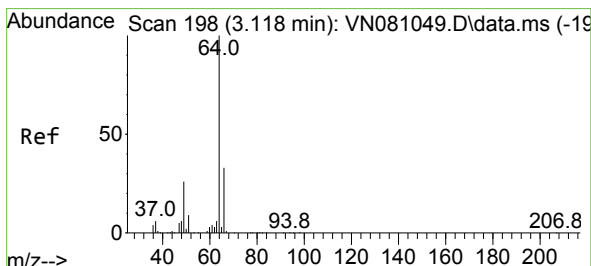
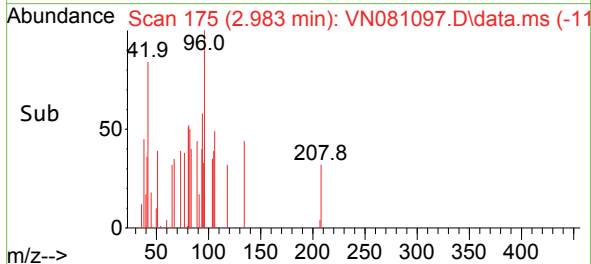
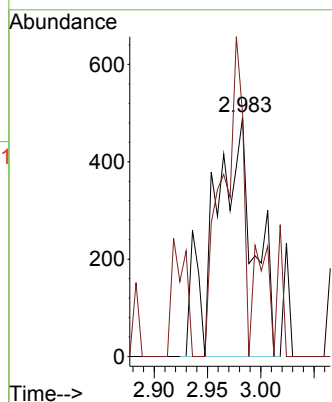
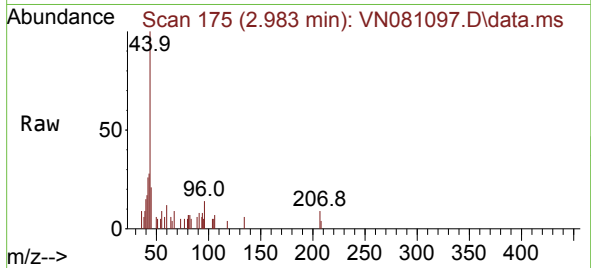




#5
Bromomethane
Concen: 0.344 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

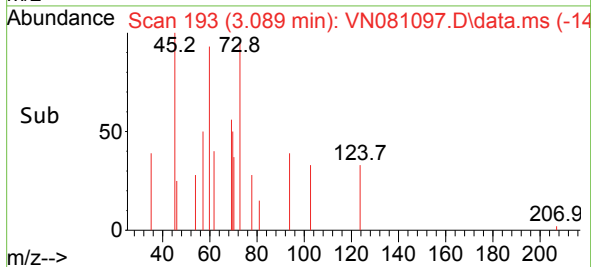
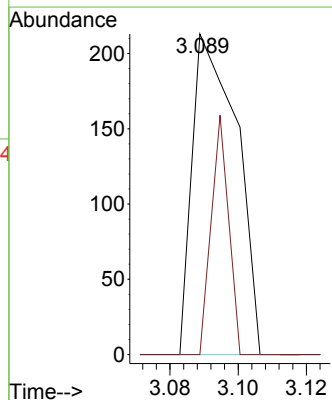
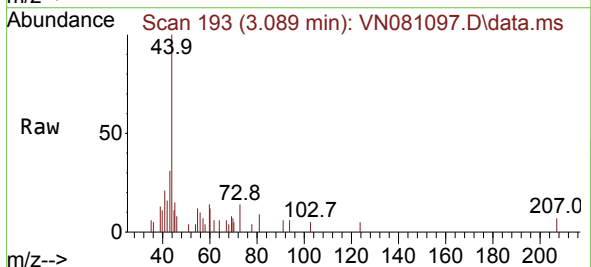
Instrument :
MSVOA_N
ClientSampleId :
PB159119TB

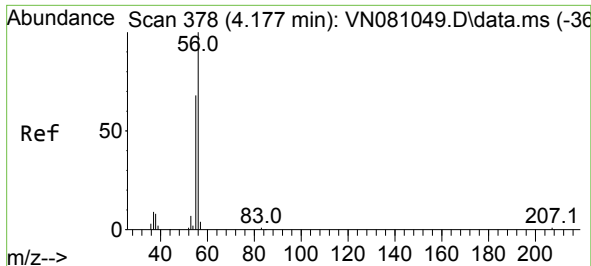
Tgt Ion: 94 Resp: 1265
Ion Ratio Lower Upper
94 100
96 69.9 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.089 min Scan# 193
Delta R.T. -0.029 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

Tgt Ion: 64 Resp: 192
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

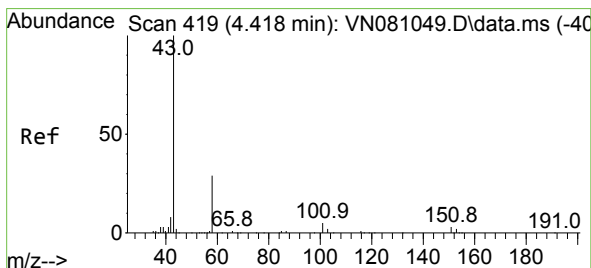
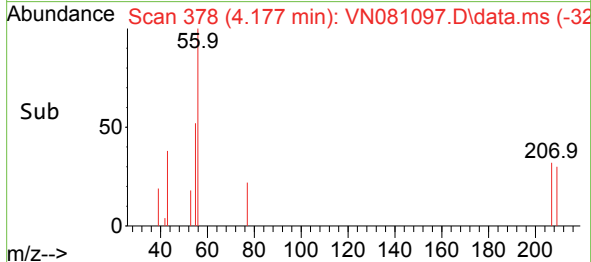
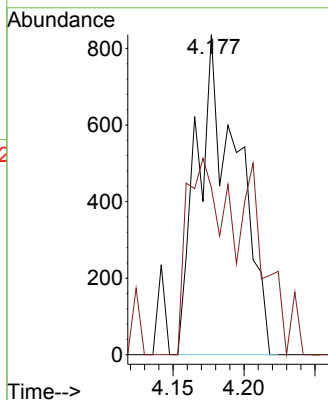
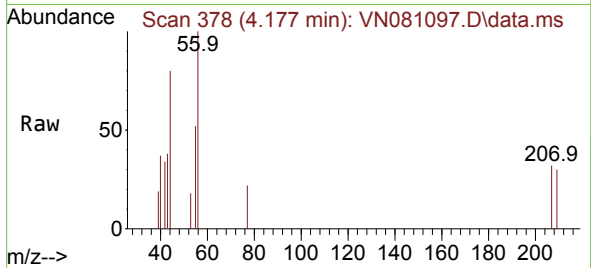




#13
Acrolein
Concen: 3.802 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

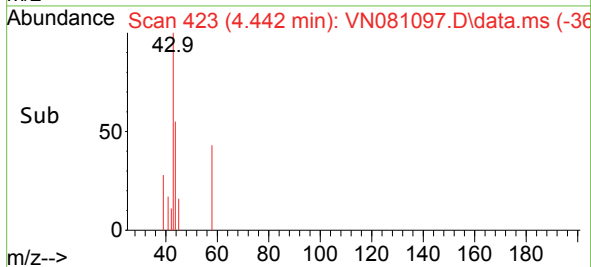
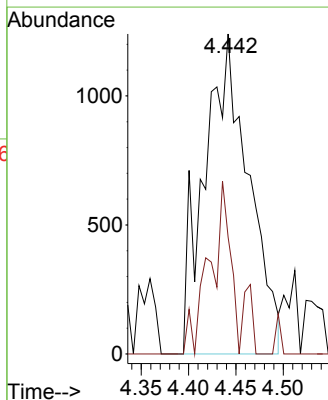
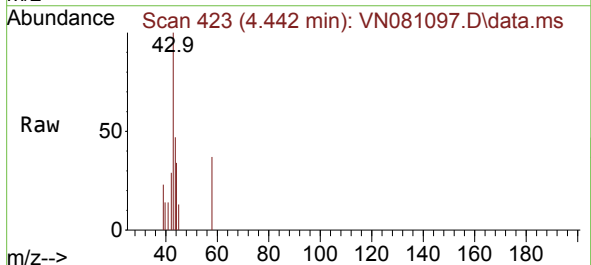
Instrument :
MSVOA_N
ClientSampleId :
PB159119TB

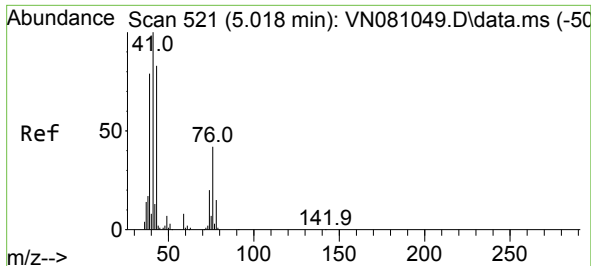
Tgt Ion: 56 Resp: 1654
Ion Ratio Lower Upper
56 100
55 60.3 55.3 82.9



#16
Acetone
Concen: 2.318 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.023 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

Tgt Ion: 43 Resp: 4025
Ion Ratio Lower Upper
43 100
58 24.9 24.8 37.2

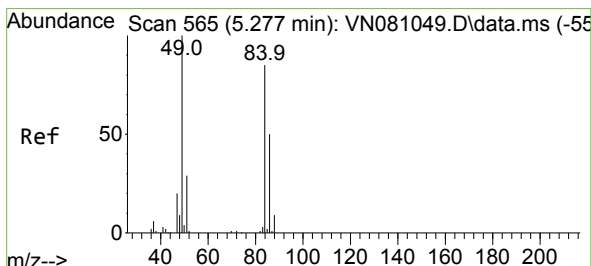
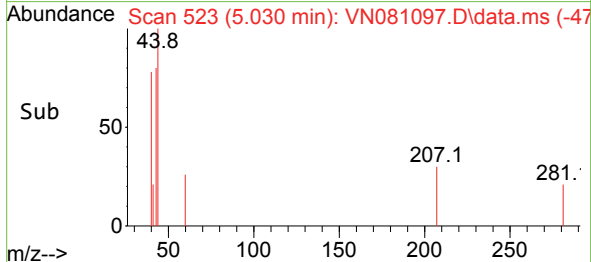
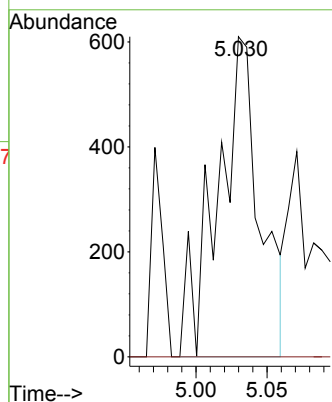
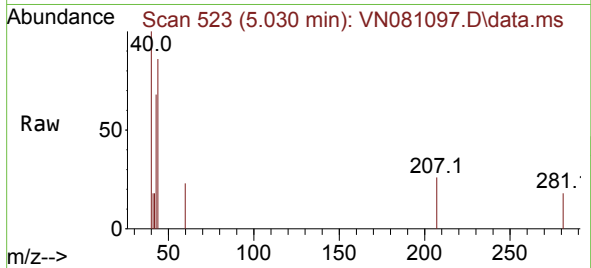




#18
Methyl Acetate
Concen: 0.300 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

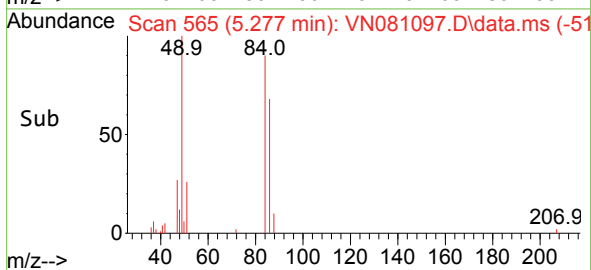
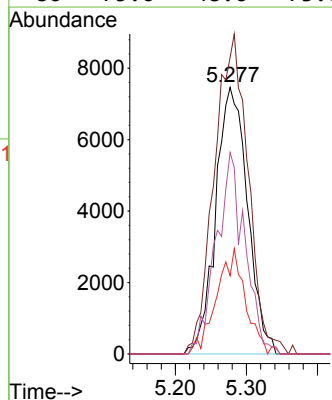
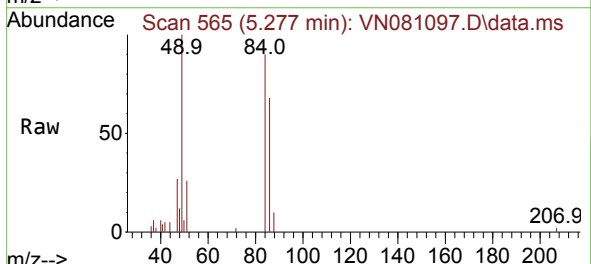
Instrument :
MSVOA_N
ClientSampleId :
PB159119TB

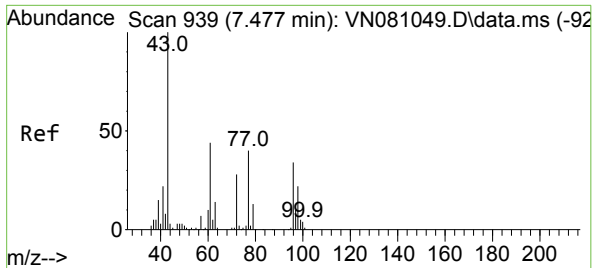
Tgt Ion: 43 Resp: 1272
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: 4.319 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

Tgt Ion: 84 Resp: 23220
Ion Ratio Lower Upper
84 100
49 111.2 108.1 162.1
51 29.3 32.9 49.3#
86 75.6 48.6 73.0#

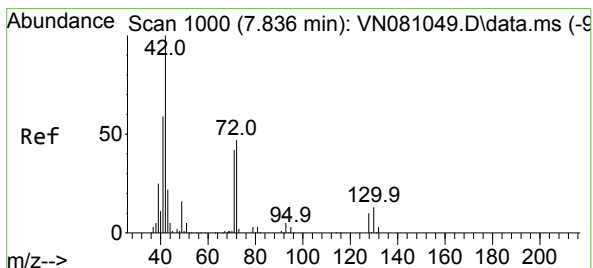
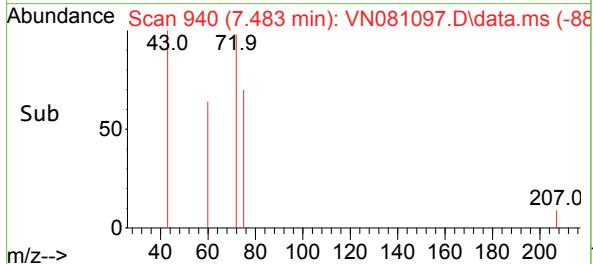
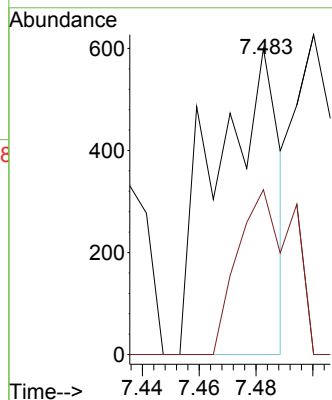
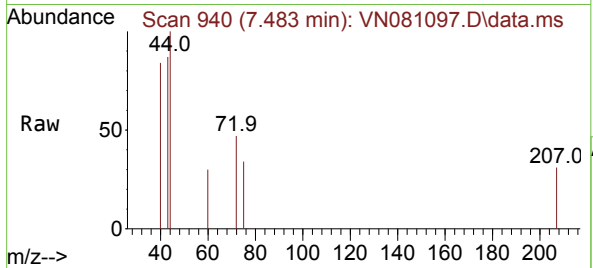




#25
2-Butanone
Concen: 0.330 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

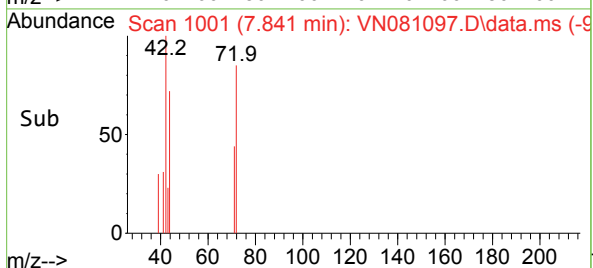
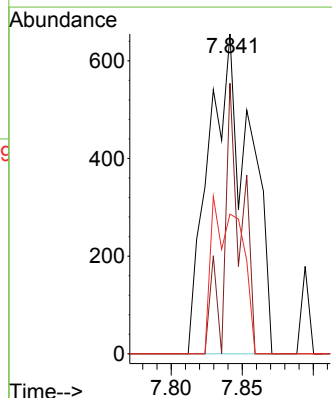
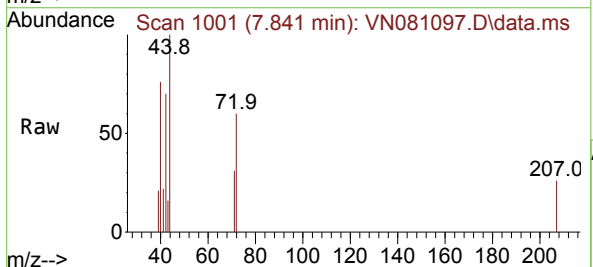
Instrument :
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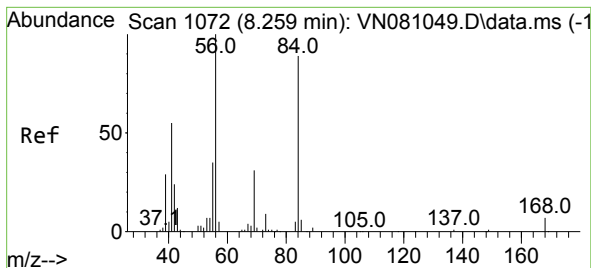
Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
72 53.8 19.5 29.3#



#29
Tetrahydrofuran
Concen: 0.707 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

Tgt Ion: 42 Resp: 1324
Ion Ratio Lower Upper
42 100
72 34.7 31.1 46.7
71 34.4 28.3 42.5





#31

Cyclohexane

Concen: 1.094 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081097.D

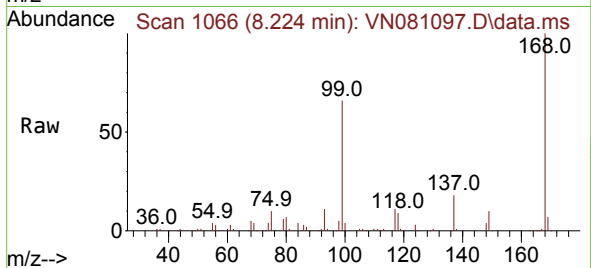
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Instrument :

MSVOA_N

ClientSampleId :

PB159119TB



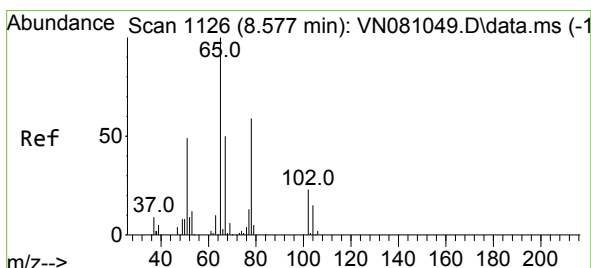
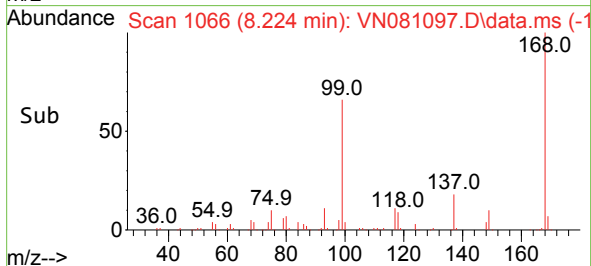
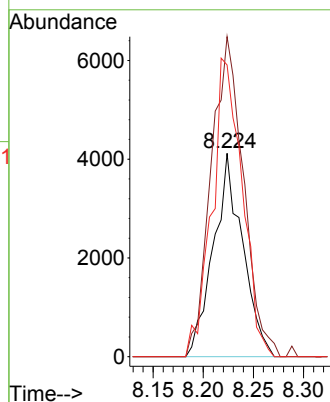
Tgt Ion: 56 Resp: 8335

Ion Ratio Lower Upper

56 100

69 157.3 20.1 30.1#

84 143.4 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 49.912 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081097.D

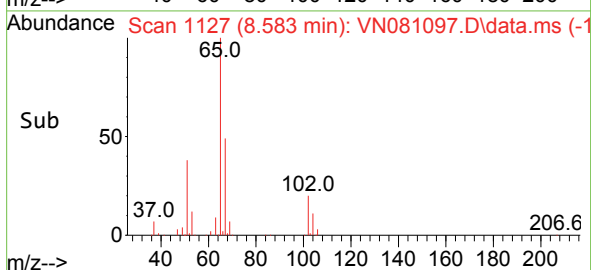
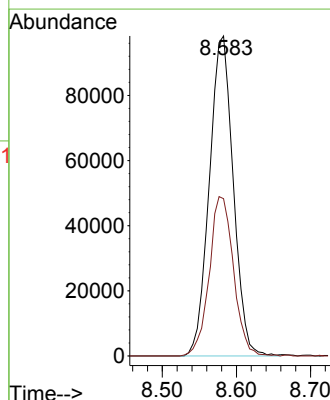
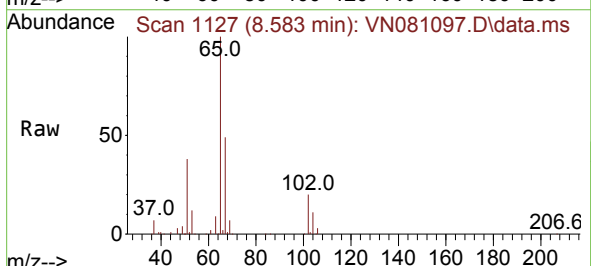
Acq: 20 Feb 2024 14:42

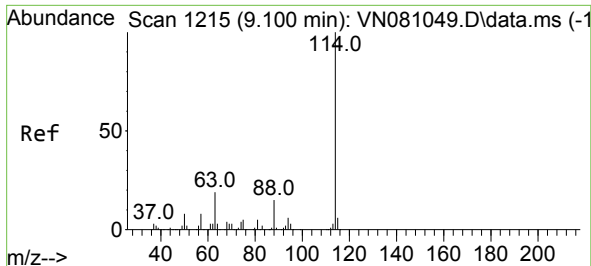
Tgt Ion: 65 Resp: 220309

Ion Ratio Lower Upper

65 100

67 50.5 0.0 102.4

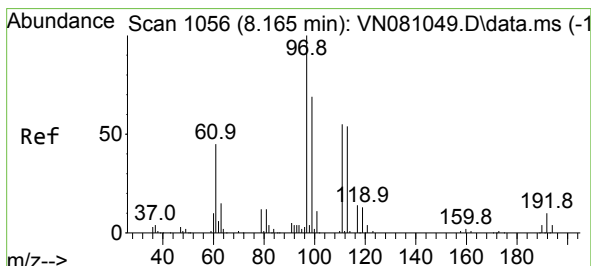
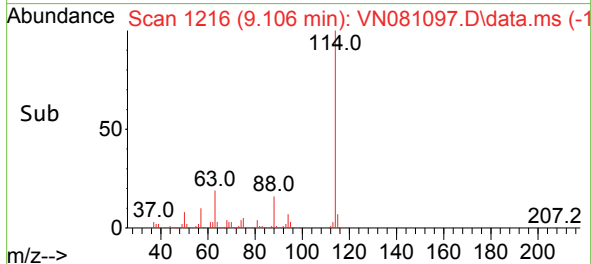
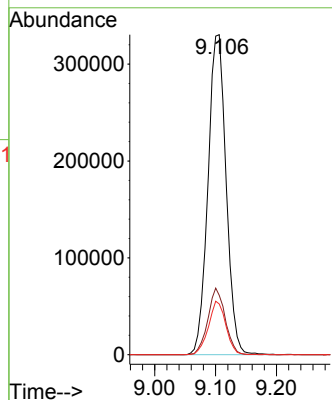
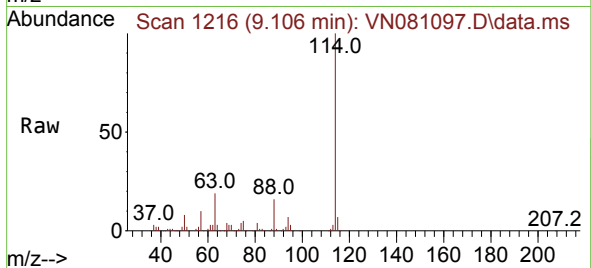




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

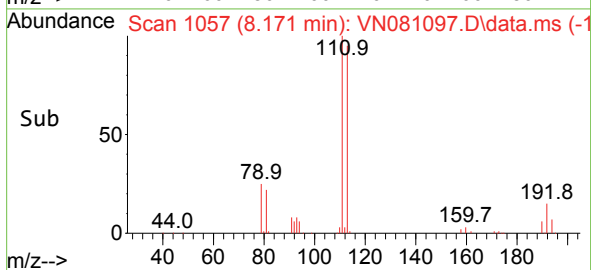
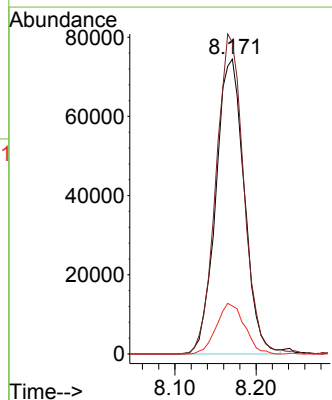
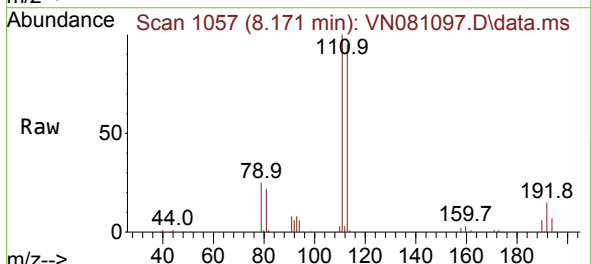
Instrument :
MSVOA_N
ClientSampleId :
PB159119TB

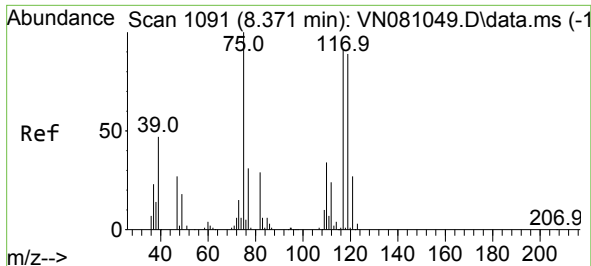
Tgt Ion:114 Resp: 683242
Ion Ratio Lower Upper
114 100
63 18.6 0.0 48.0
88 15.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 46.900 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

Tgt Ion:113 Resp: 181198
Ion Ratio Lower Upper
113 100
111 106.3 82.2 123.4
192 16.9 12.5 18.7

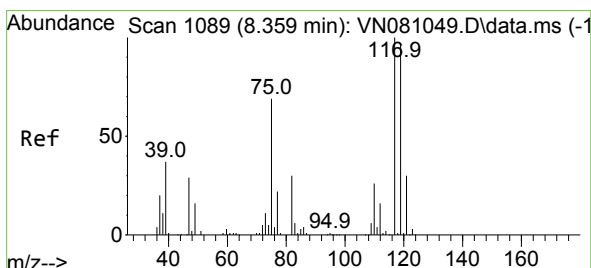
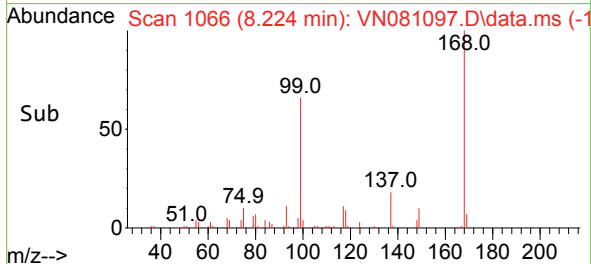
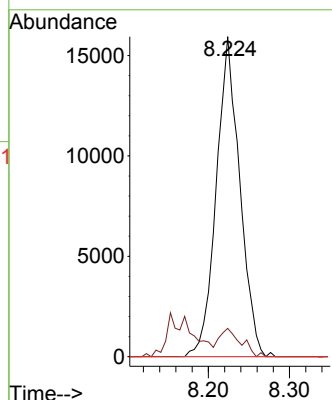
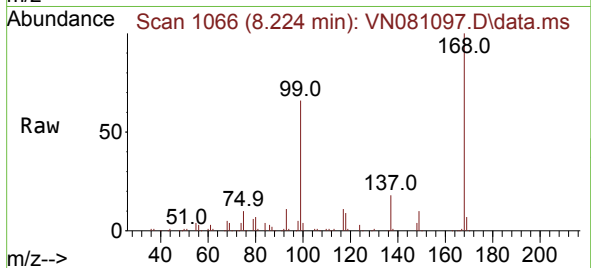




#36
1,1-Dichloropropene
Concen: 4.845 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

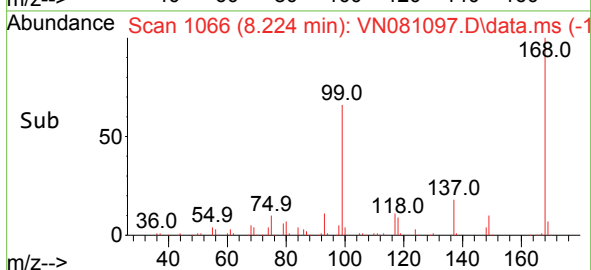
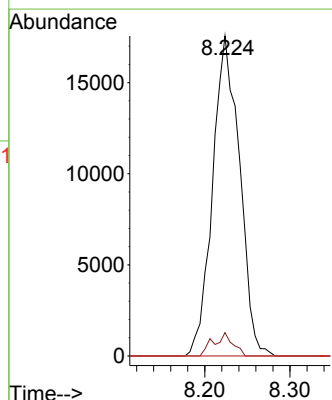
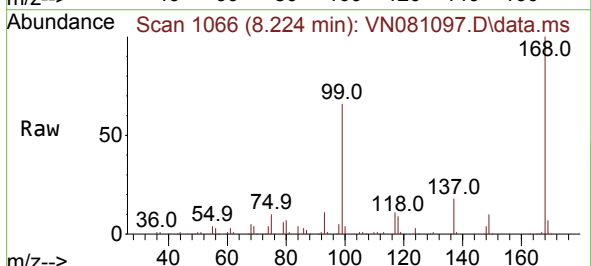
Instrument :
MSVOA_N
ClientSampleId :
PB159119TB

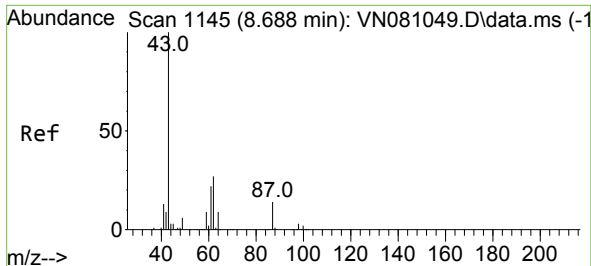
Tgt Ion: 75 Resp: 32066
Ion Ratio Lower Upper
75 100
110 8.1 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 5.763 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

Tgt Ion: 117 Resp: 38590
Ion Ratio Lower Upper
117 100
119 7.3 73.4 110.2#
121 0.0 24.4 36.6#

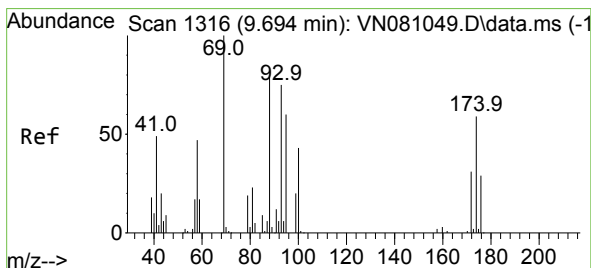
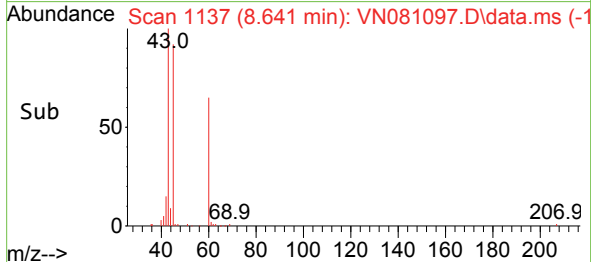
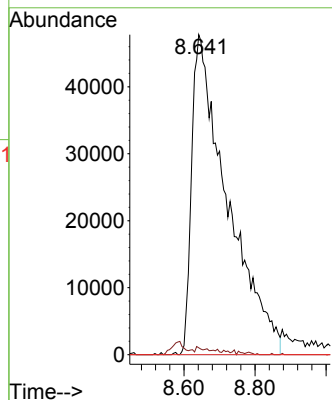
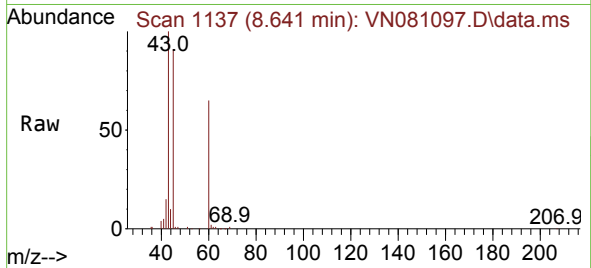




#43
Isopropyl Acetate
Concen: 31.784 ug/l
RT: 8.641 min Scan# 1137
Delta R.T. -0.047 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

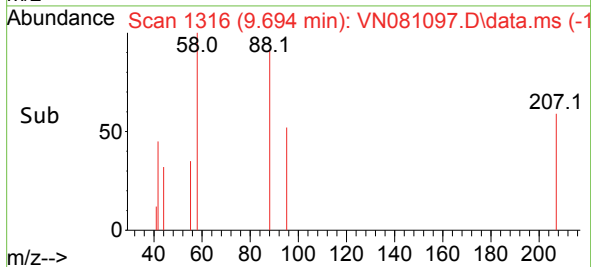
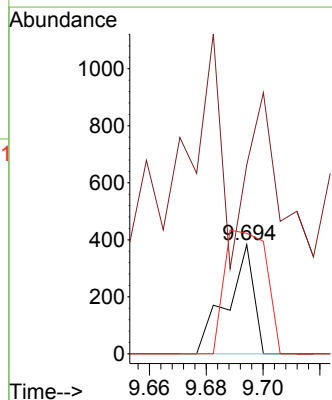
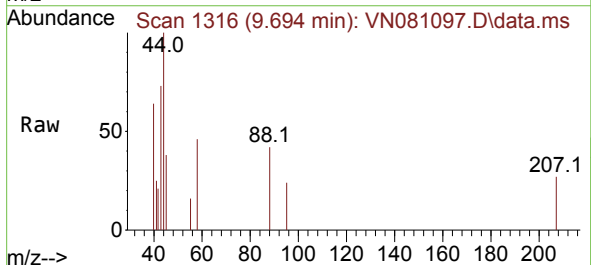
Instrument :
MSVOA_N
ClientSampleId :
PB159119TB

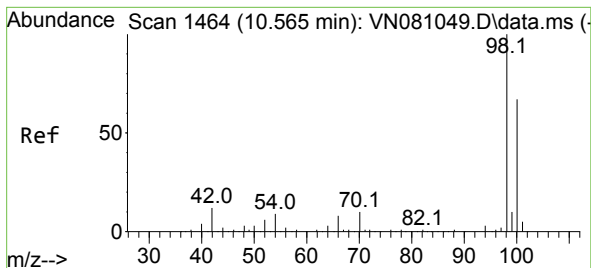
Tgt Ion: 43 Resp: 332073
Ion Ratio Lower Upper
43 100
61 0.2 19.9 29.9#
87 0.0 9.0 13.6#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN081097.D
Acq: 20 Feb 2024 14:42

Tgt Ion: 88 Resp: 250
Ion Ratio Lower Upper
88 100
43 301.2 30.1 45.1#
58 176.8 63.9 95.9#





#50

Toluene-d8

Concen: 45.693 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081097.D

Acq: 20 Feb 2024 14:42

Instrument :

MSVOA_N

ClientSampleId :

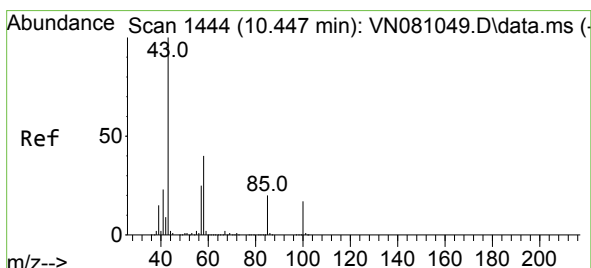
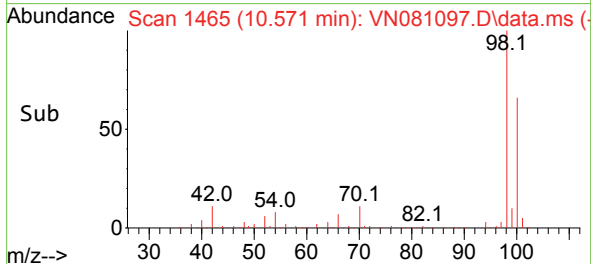
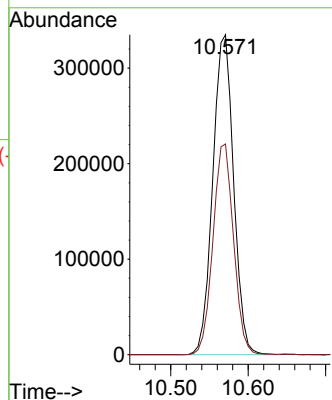
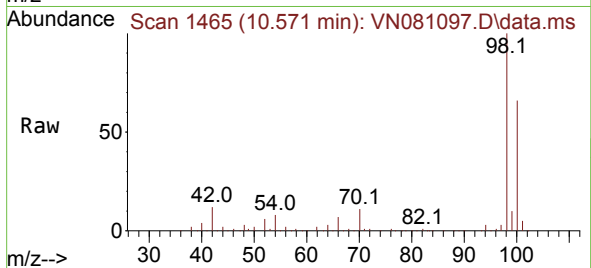
PB159119TB

Tgt Ion: 98 Resp: 627002

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.442 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

Lab File: VN081097.D

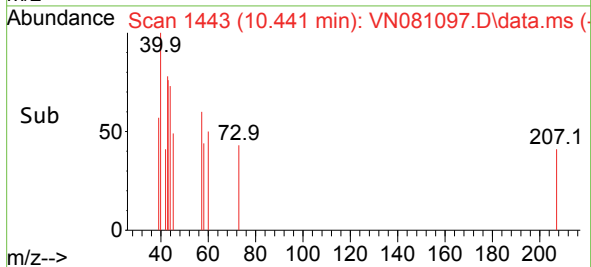
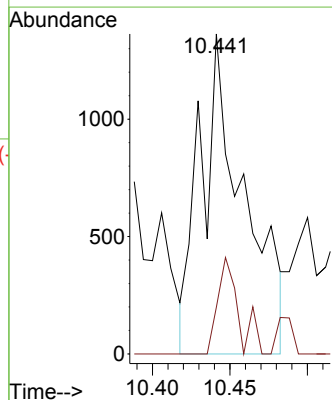
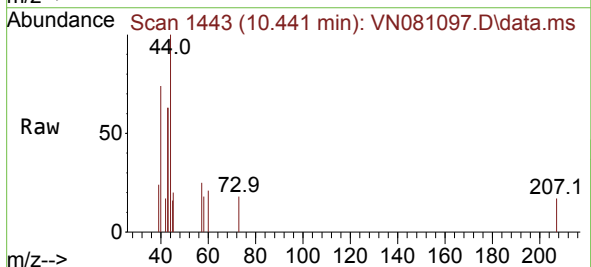
Acq: 20 Feb 2024 14:42

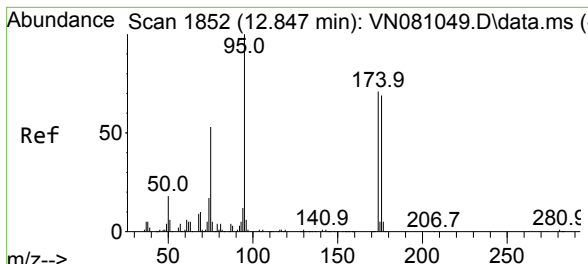
Tgt Ion: 43 Resp: 2656

Ion Ratio Lower Upper

43 100

58 14.5 29.4 44.0#

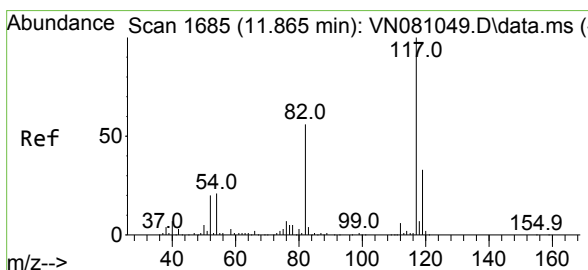
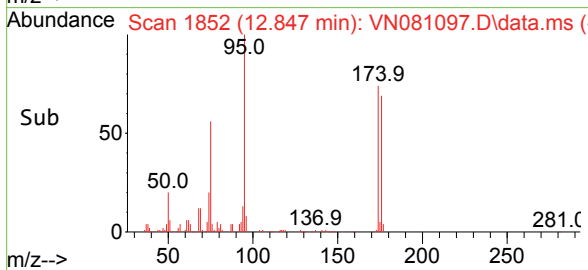
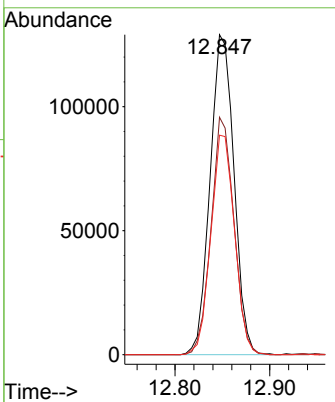
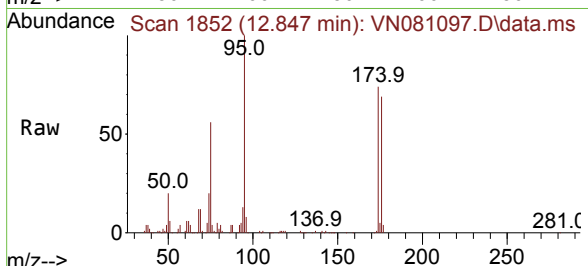




#62
 4-Bromofluorobenzene
 Concen: 43.913 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN081097.D
 Acq: 20 Feb 2024 14:42

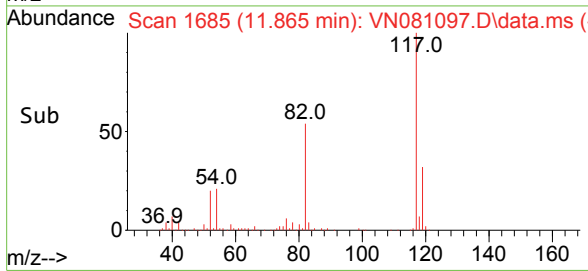
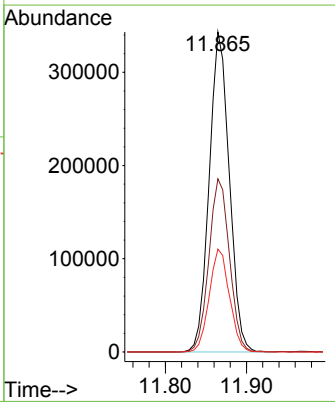
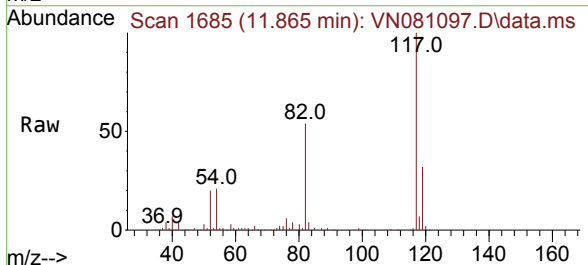
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159119TB

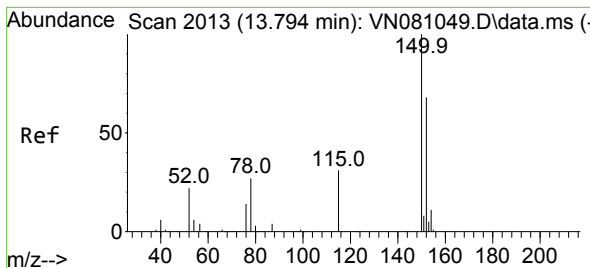
Tgt Ion:	95	Resp:	226425
Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	120.4
176	68.0	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN081097.D
 Acq: 20 Feb 2024 14:42

Tgt Ion:	117	Resp:	590954
Ion	Ratio	Lower	Upper
117	100		
82	54.1	52.7	79.1
119	32.1	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: VN081097.D

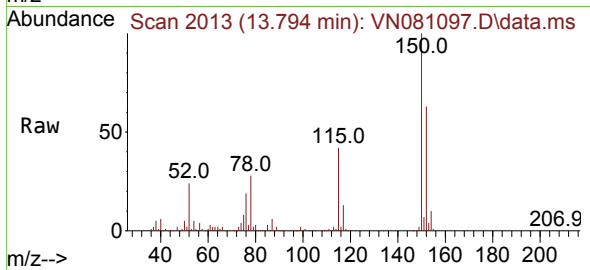
Acq: 20 Feb 2024 14:42

Instrument :

MSVOA_N

ClientSampleId :

PB159119TB



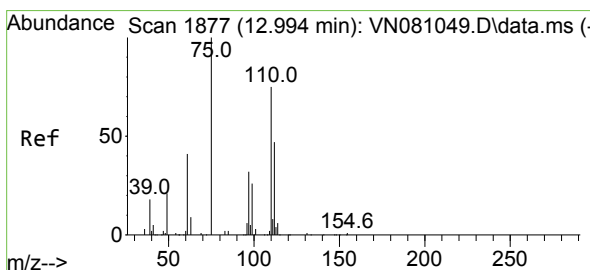
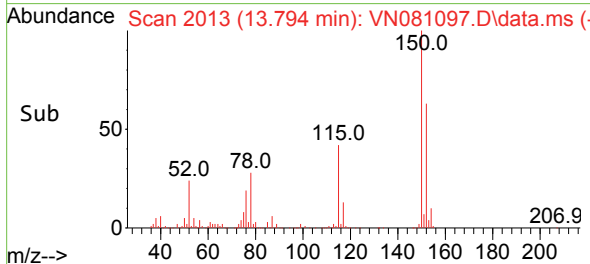
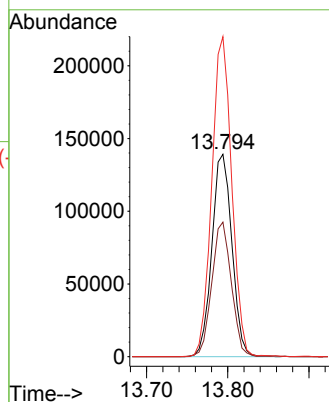
Tgt Ion:152 Resp: 238879

Ion Ratio Lower Upper

152 100

115 64.8 32.3 96.8

150 157.2 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 22.637 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081097.D

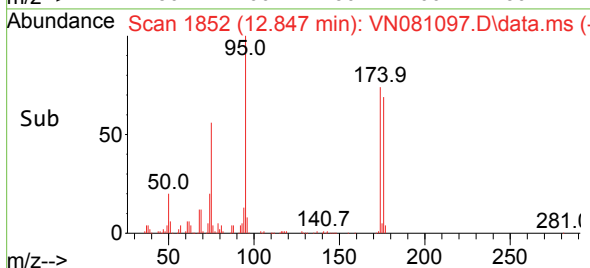
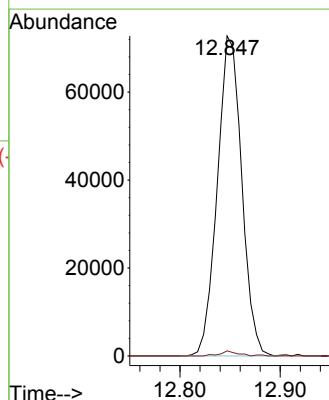
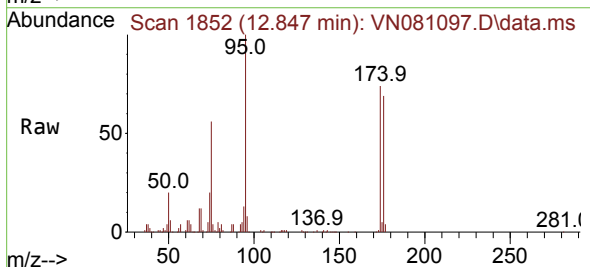
Acq: 20 Feb 2024 14:42

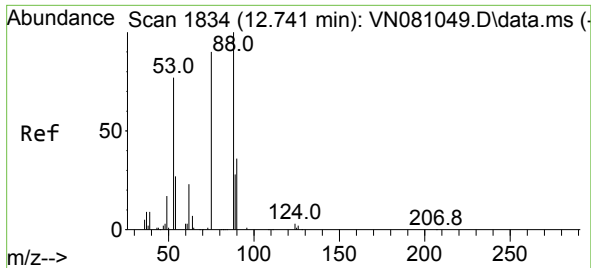
Tgt Ion: 75 Resp: 122864

Ion Ratio Lower Upper

75 100

77 1.2 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.267 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081097.D
 Acq: 20 Feb 2024 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159119TB

Tgt Ion: 75 Resp: 122864
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

