

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081279.D
 Acq On : 01 Mar 2024 12:45
 Operator : JC\MD
 Sample : PB153949ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949ZHE#01

Quant Time: Mar 01 22:15:48 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

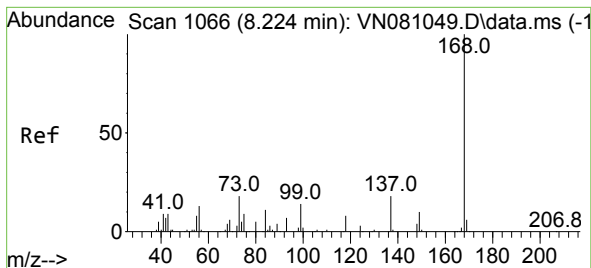
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	328016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	610378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	550129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	208862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	237473	59.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.120%			
35) Dibromofluoromethane	8.165	113	189167	54.807	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.620%			
50) Toluene-d8	10.565	98	748769	61.080	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 122.160%#			
62) 4-Bromofluorobenzene	12.847	95	234340	50.874	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.740%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	906	Below Cal	#	43
5) Bromomethane	2.971	94	957	0.286	ug/l #	6
6) Chloroethane	3.054	64	58	Below Cal	#	42
11) Tert butyl alcohol	5.506	59	571	0.772	ug/l #	72
13) Acrolein	4.189	56	479	1.209	ug/l #	55
16) Acetone	4.424	43	71307	45.074	ug/l	90
18) Methyl Acetate	5.036	43	3392	0.879	ug/l #	77
20) Methylene Chloride	5.277	84	31007	6.773	ug/l	86
25) 2-Butanone	7.477	43	2996	1.172	ug/l	94
29) Tetrahydrofuran	7.853	42	4606	2.700	ug/l #	91
31) Cyclohexane	8.224	56	9187	1.323	ug/l #	14
36) 1,1-Dichloropropene	8.230	75	29893	5.055	ug/l #	52
37) Ethyl Acetate	7.565	43	5860	1.098	ug/l #	94
38) Carbon Tetrachloride	8.230	117	36678	6.131	ug/l #	20
41) Methacrylonitrile	7.836	41	2575	0.848	ug/l #	44
42) 1,2-Dichloroethane	8.688	62	2070	0.347	ug/l #	75
43) Isopropyl Acetate	8.688	43	438529	46.984	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	2679	0.626	ug/l #	42
48) Methyl methacrylate	9.665	41	5872	1.352	ug/l #	49
49) 1,4-Dioxane	9.747	88	160	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.441	43	19648	3.659	ug/l #	83
54) cis-1,3-Dichloropropene	10.359	75	78491	11.065	ug/l #	66
57) 1,3-Dichloropropane	11.200	76	10578	1.468	ug/l #	43
59) 2-Hexanone	11.171	43	194430	45.677	ug/l #	26
74) N-amyl acetate	12.488	43	2486	0.322	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	130125	27.421	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	130125	70.579	ug/l #	14

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

Quant Time: Mar 01 22:15:48 2024
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QLast Update : Fri Feb 16 23:45:20 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN081279.D

Acq: 01 Mar 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :

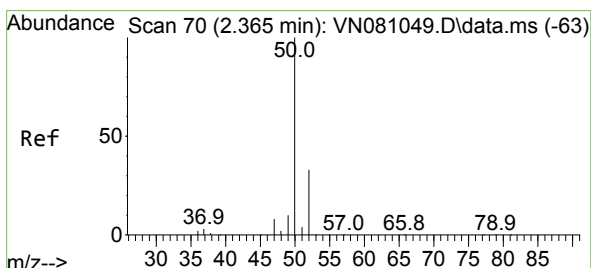
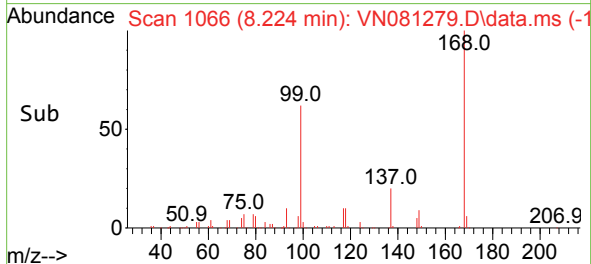
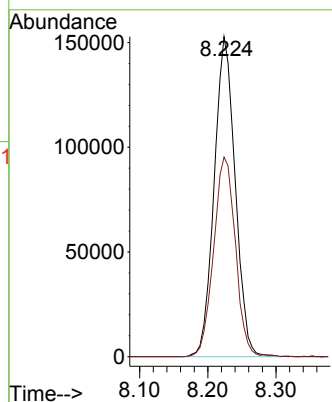
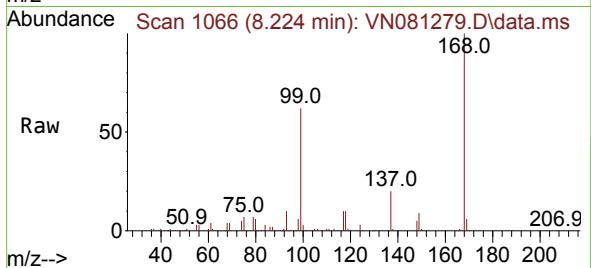
PB153949ZHE#01

Tgt Ion:168 Resp: 328016

Ion Ratio Lower Upper

168 100

99 62.4 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN081279.D

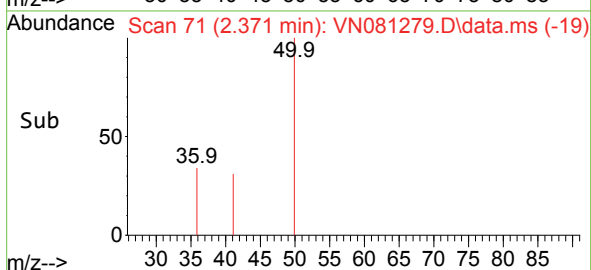
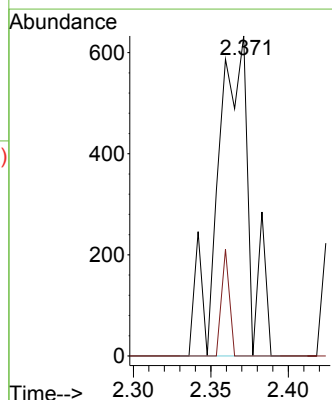
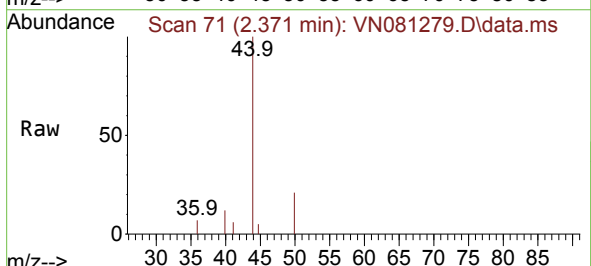
Acq: 01 Mar 2024 12:45

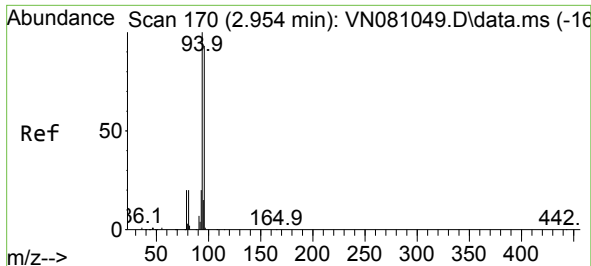
Tgt Ion: 50 Resp: 906

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

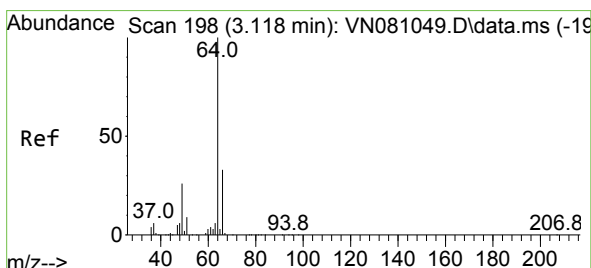
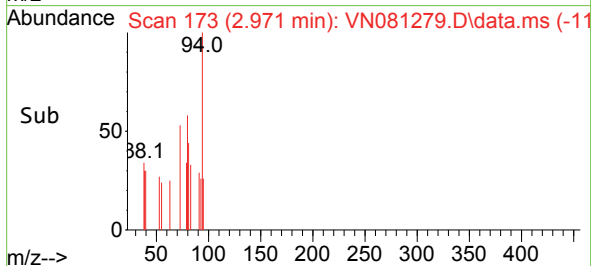
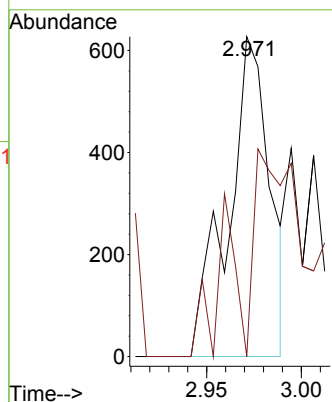
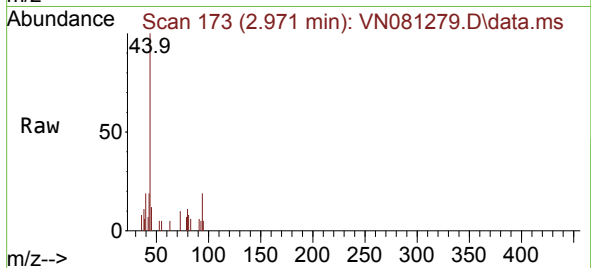




#5
Bromomethane
Concen: 0.286 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

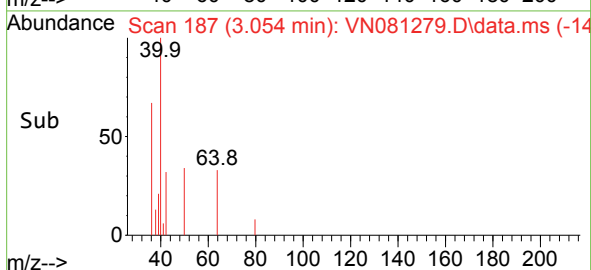
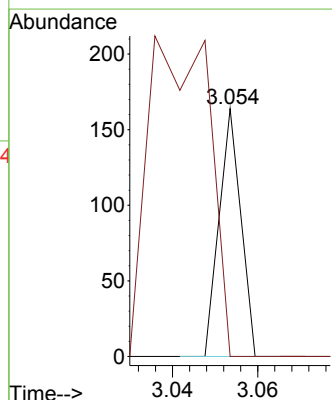
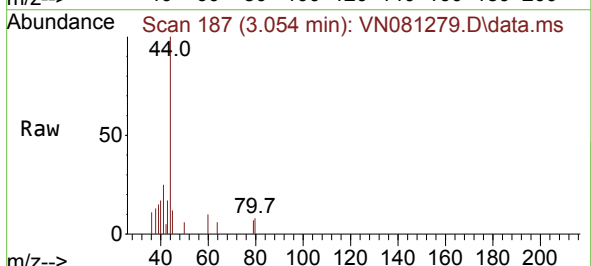
Instrument :
MSVOA_N
ClientSampleId :
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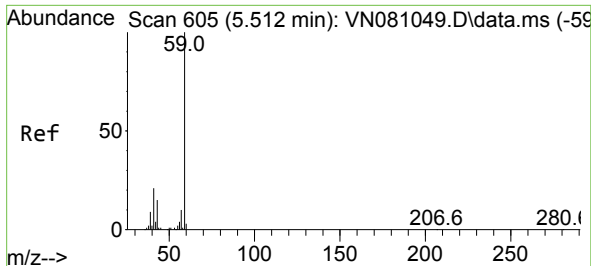
Tgt Ion: 94 Resp: 957
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.054 min Scan# 187
Delta R.T. -0.064 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

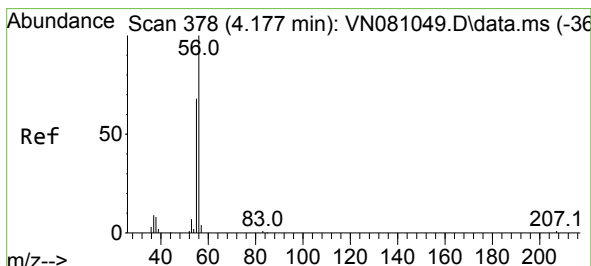
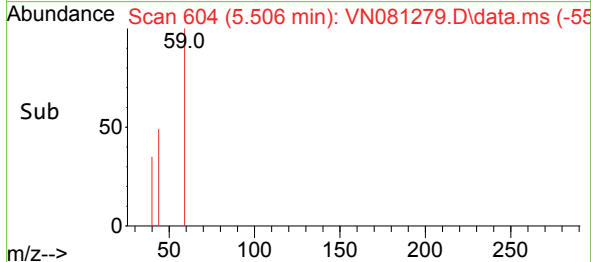
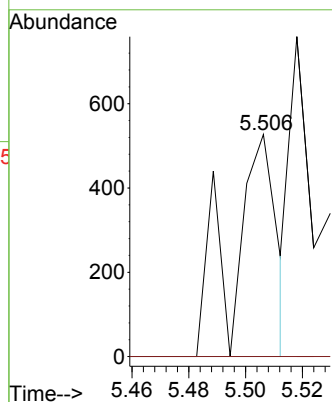
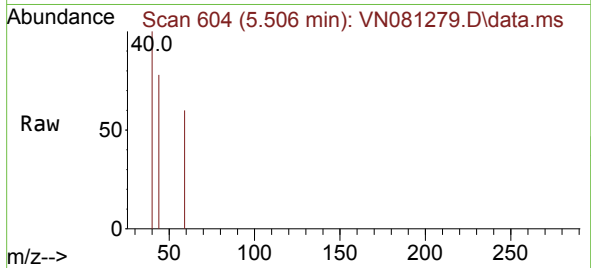




#11
Tert butyl alcohol
Concen: 0.772 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

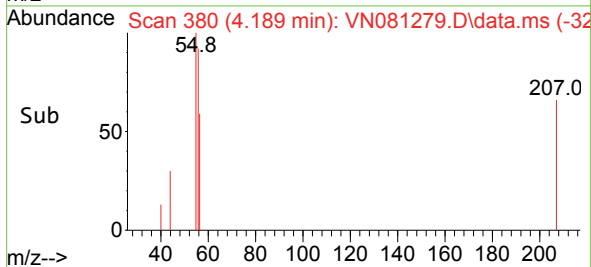
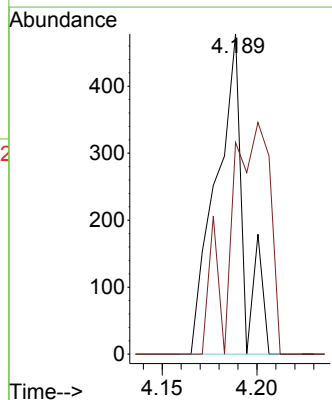
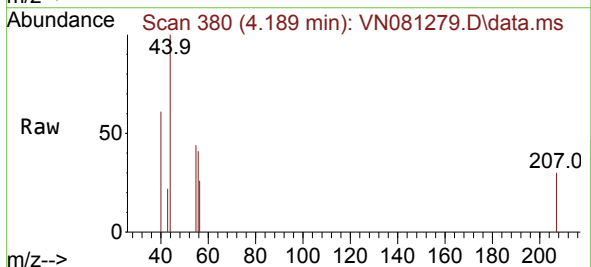
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#01

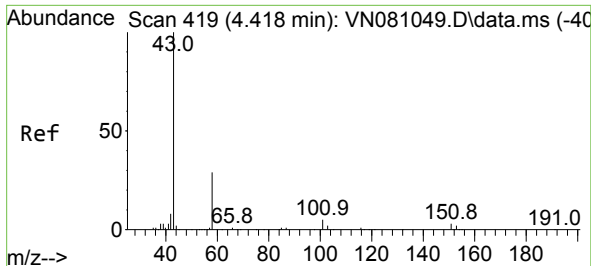
Tgt Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 1.209 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Tgt Ion: 56 Resp: 479
Ion Ratio Lower Upper
56 100
55 105.6 55.3 82.9#

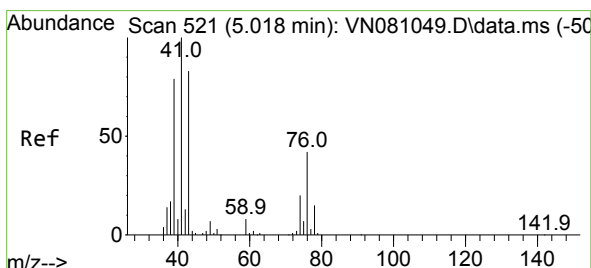
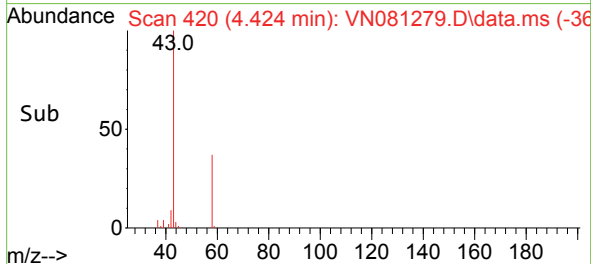
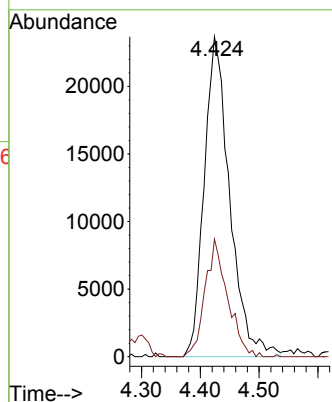
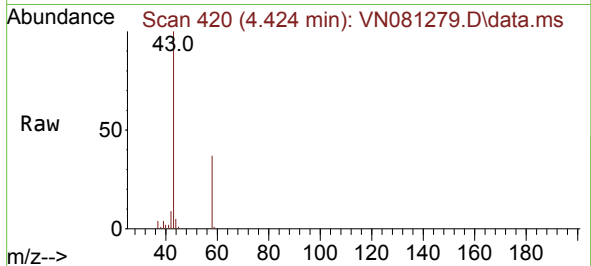




#16
Acetone
Concen: 45.074 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

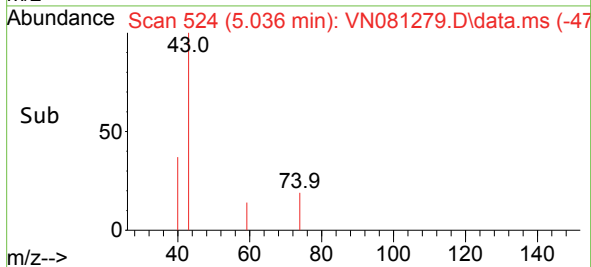
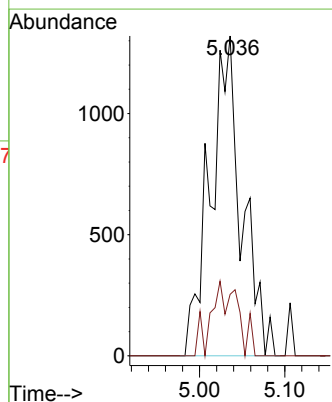
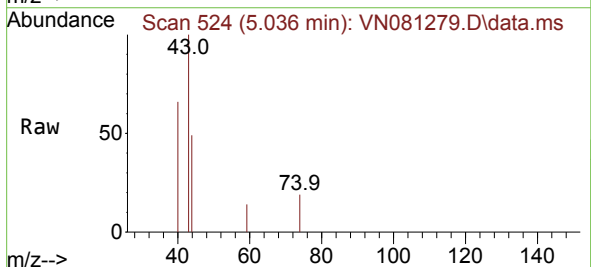
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#01

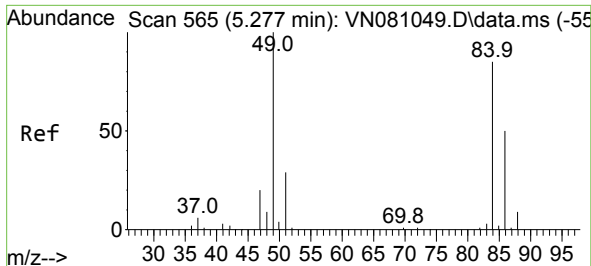
Tgt Ion: 43 Resp: 71307
Ion Ratio Lower Upper
43 100
58 36.7 24.8 37.2



#18
Methyl Acetate
Concen: 0.879 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

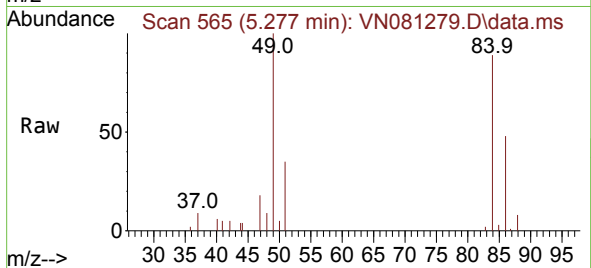
Tgt Ion: 43 Resp: 3392
Ion Ratio Lower Upper
43 100
74 10.8 17.3 25.9#



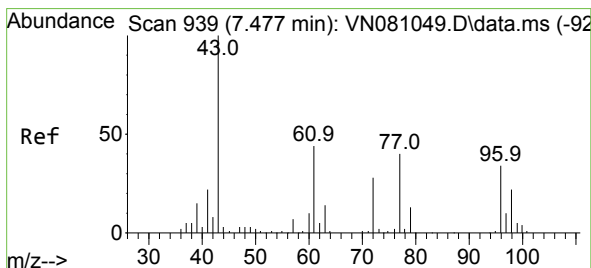
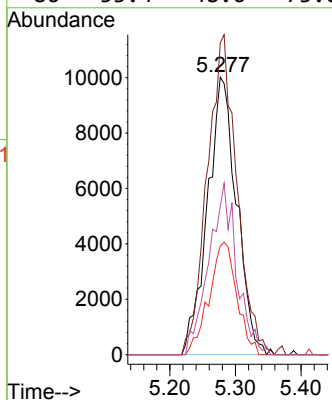


#20
Methylene Chloride
Concen: 6.773 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#01

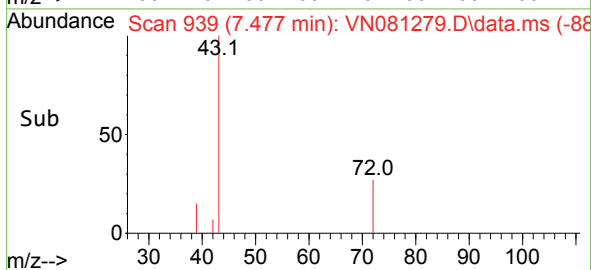
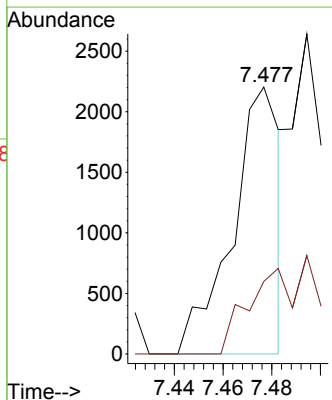
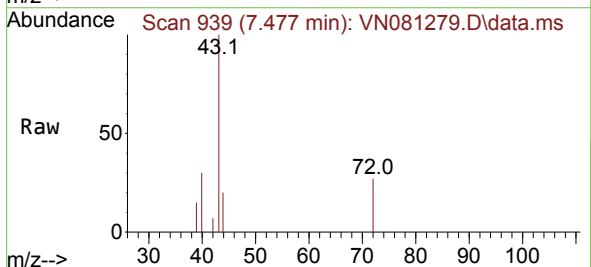


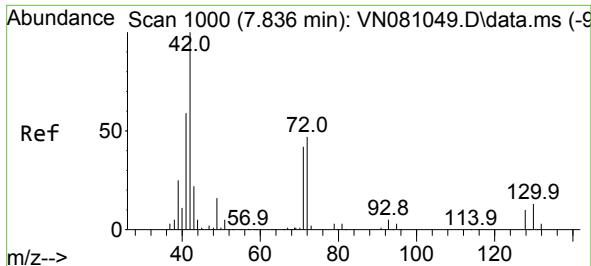
Tgt Ion:	84	Resp:	31007
Ion	Ratio	Lower	Upper
84	100		
49	112.3	108.1	162.1
51	39.1	32.9	49.3
86	53.4	48.6	73.0



#25
2-Butanone
Concen: 1.172 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.000 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Tgt Ion:	43	Resp:	2996
Ion	Ratio	Lower	Upper
43	100		
72	27.2	19.5	29.3

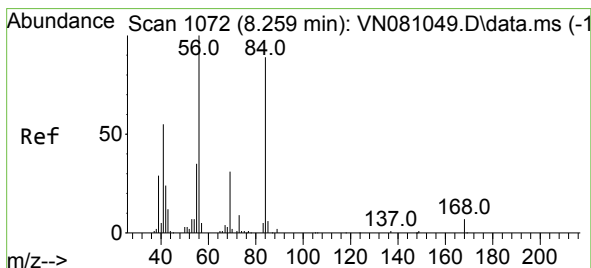
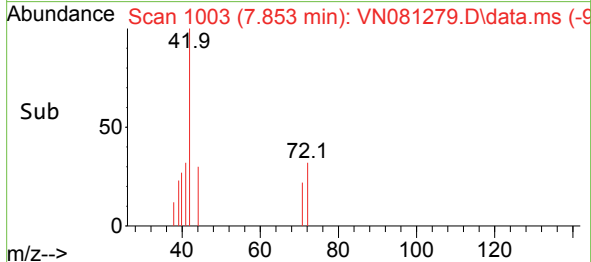
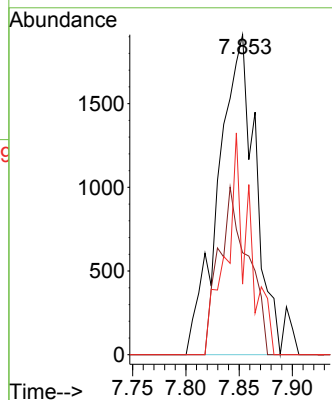
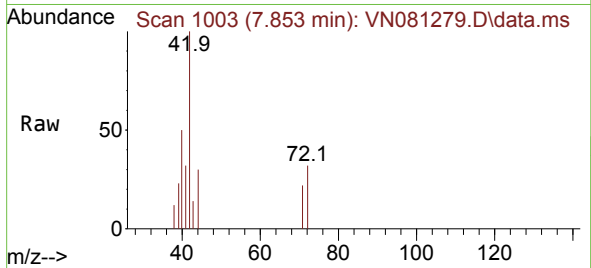




#29
Tetrahydrofuran
Concen: 2.700 ug/l
RT: 7.853 min Scan# 1066
Delta R.T. 0.018 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

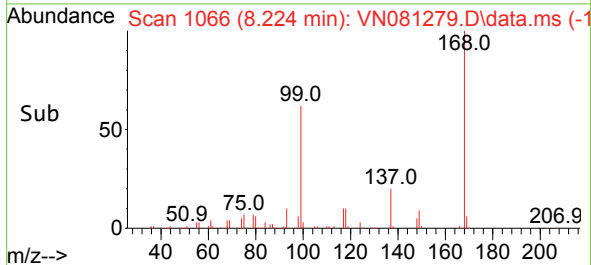
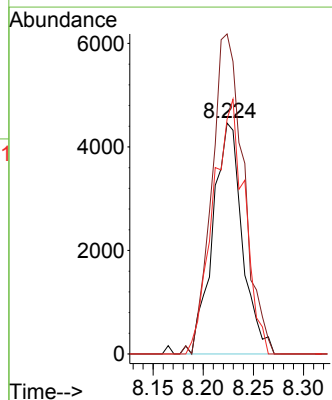
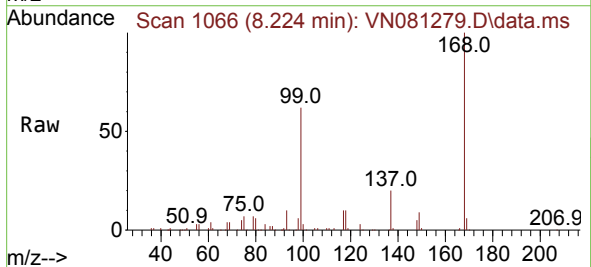
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PB153949ZHE#01

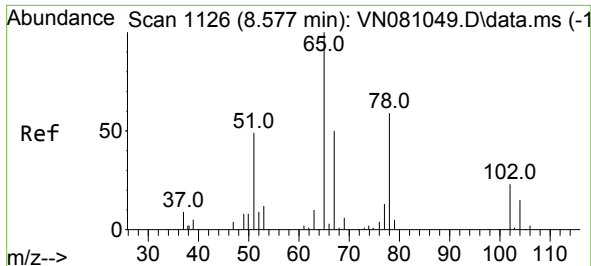
Tgt Ion: 42 Resp: 4606
Ion Ratio Lower Upper
42 100
72 41.5 31.1 46.7
71 43.4 28.3 42.5#



#31
Cyclohexane
Concen: 1.323 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Tgt Ion: 56 Resp: 9187
Ion Ratio Lower Upper
56 100
69 138.6 20.1 30.1#
84 101.7 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 59.065 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081279.D

Acq: 01 Mar 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :

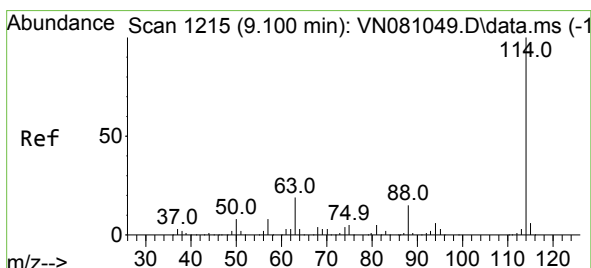
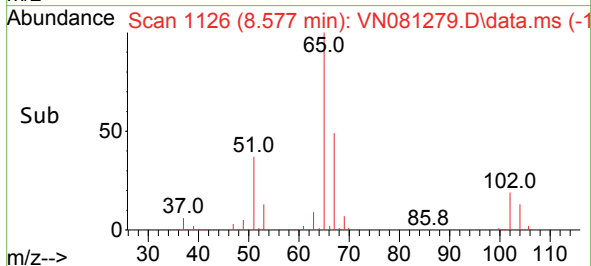
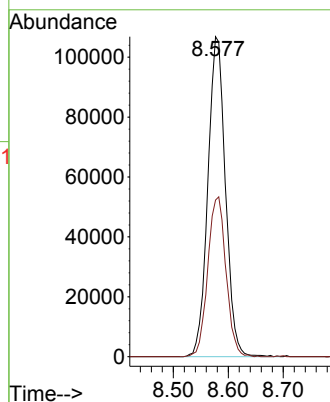
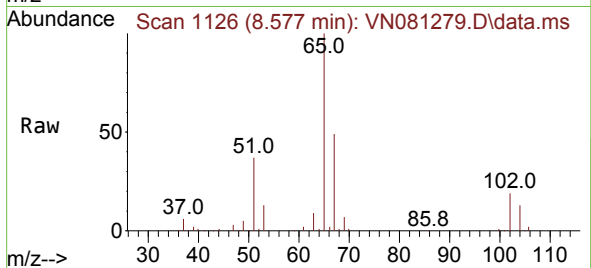
PB153949ZHE#01

Tgt Ion: 65 Resp: 237473

Ion Ratio Lower Upper

65 100

67 51.7 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: VN081279.D

Acq: 01 Mar 2024 12:45

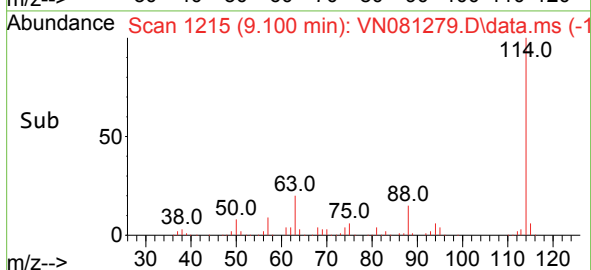
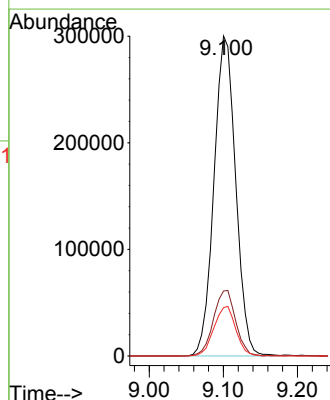
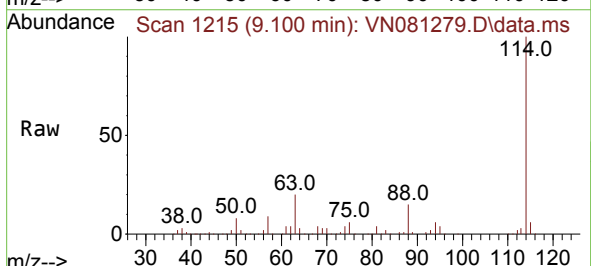
Tgt Ion: 114 Resp: 610378

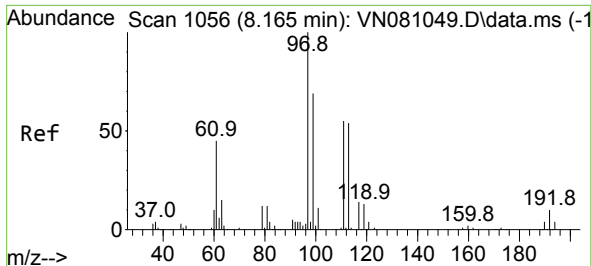
Ion Ratio Lower Upper

114 100

63 20.3 0.0 48.0

88 15.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 54.807 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081279.D

Acq: 01 Mar 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :

PB153949ZHE#01

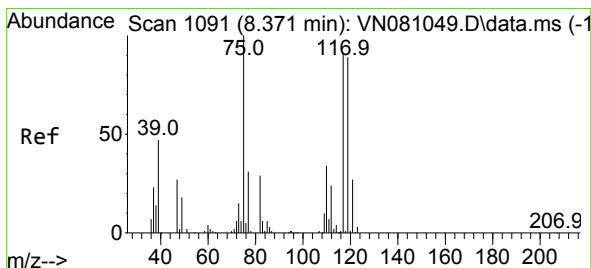
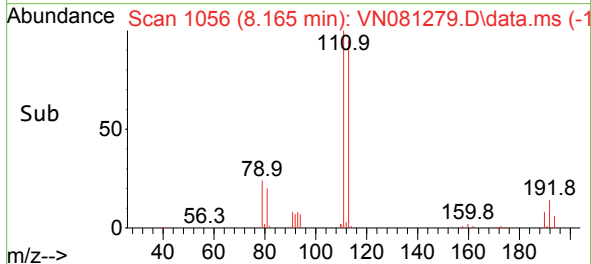
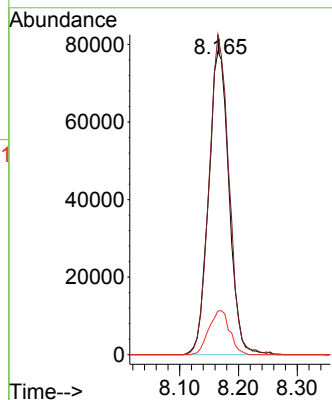
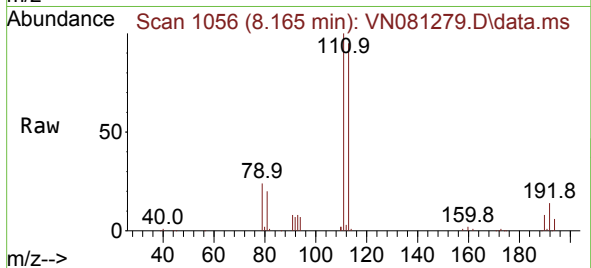
Tgt Ion:113 Resp: 189167

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 14.8 12.5 18.7



#36

1,1-Dichloropropene

Concen: 5.055 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081279.D

Acq: 01 Mar 2024 12:45

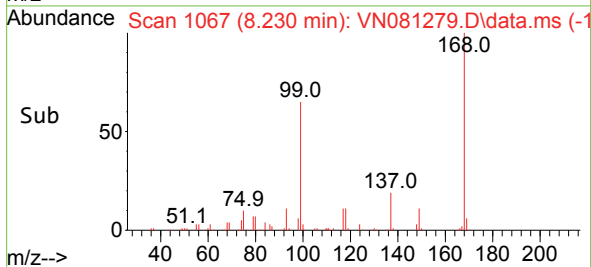
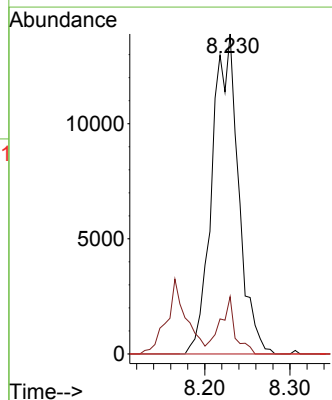
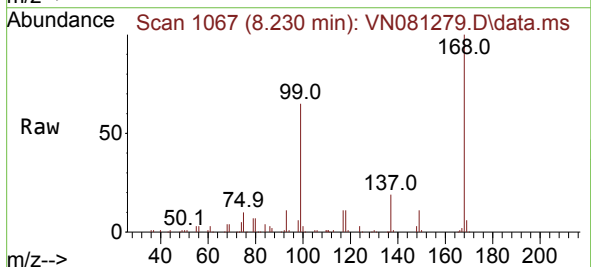
Tgt Ion: 75 Resp: 29893

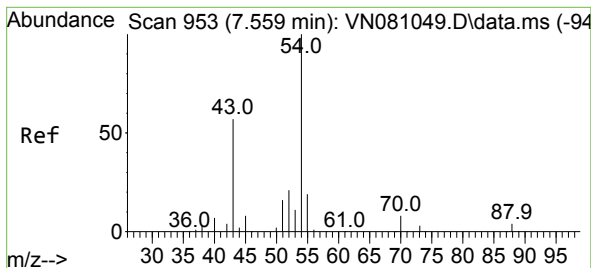
Ion Ratio Lower Upper

75 100

110 10.4 16.0 48.0#

77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 1.098 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN081279.D

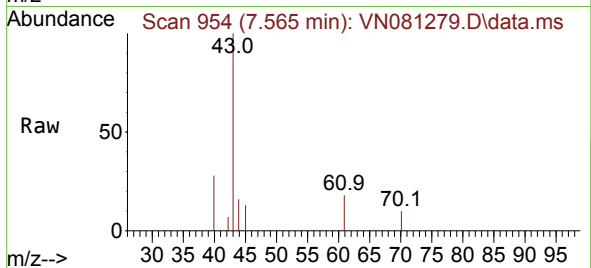
Acq: 01 Mar 2024 12:45

Instrument :

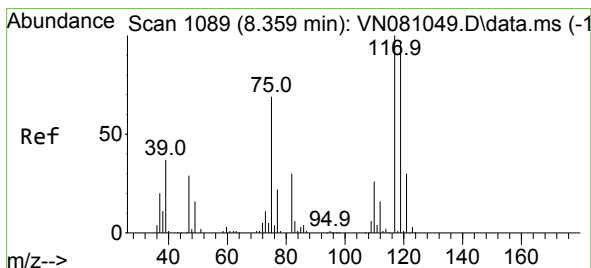
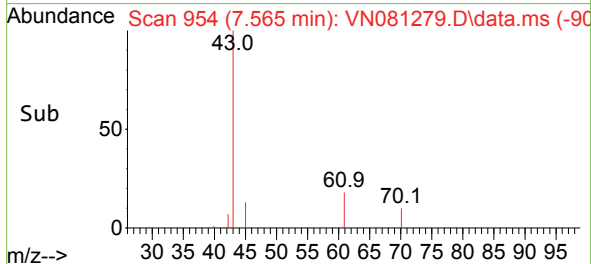
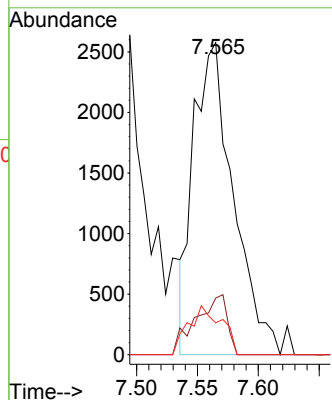
MSVOA_N

ClientSampleId :

PB153949ZHE#01



Tgt Ion:	43	Resp:	5860
Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.6	15.8
70	13.1	8.0	12.0



#38

Carbon Tetrachloride

Concen: 6.131 ug/l

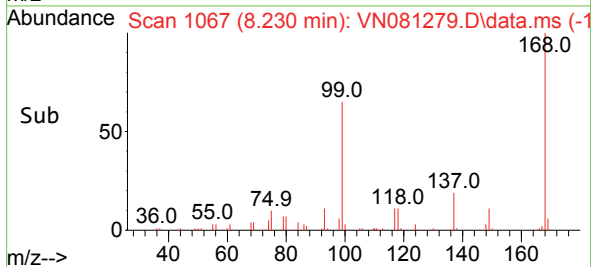
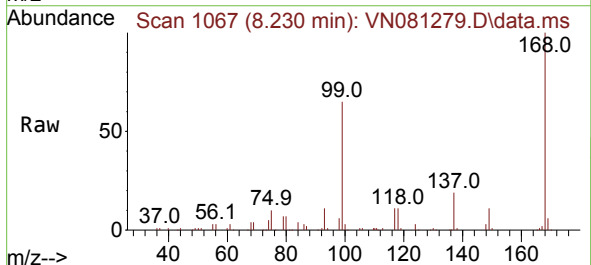
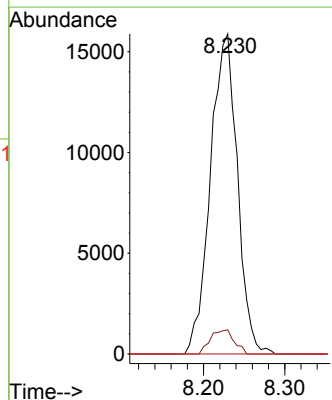
RT: 8.230 min Scan# 1067

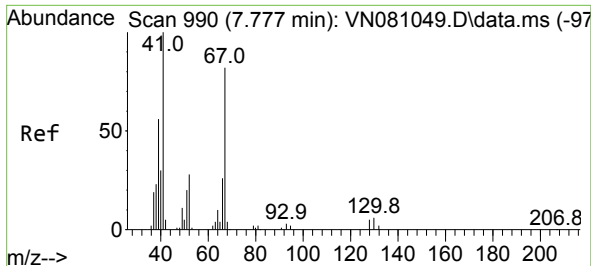
Delta R.T. -0.129 min

Lab File: VN081279.D

Acq: 01 Mar 2024 12:45

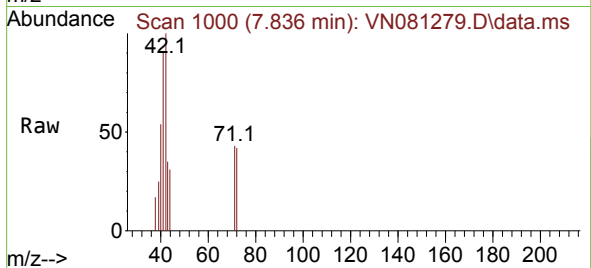
Tgt Ion:	117	Resp:	36678
Ion	Ratio	Lower	Upper
117	100		
119	7.6	73.4	110.2
121	0.0	24.4	36.6



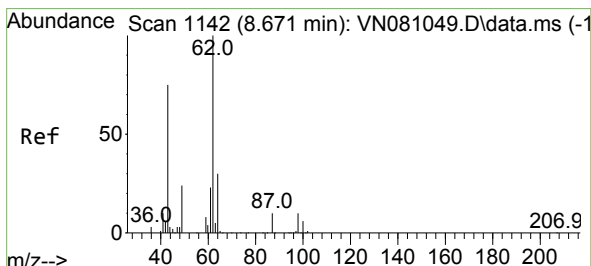
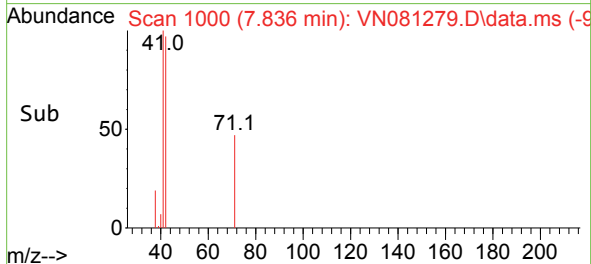
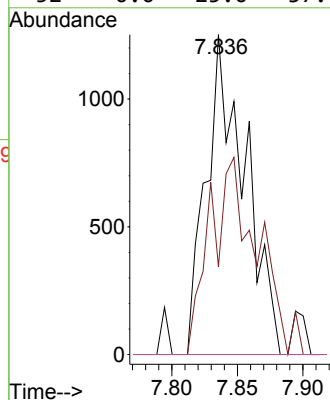


#41
Methacrylonitrile
Concen: 0.848 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.059 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#01

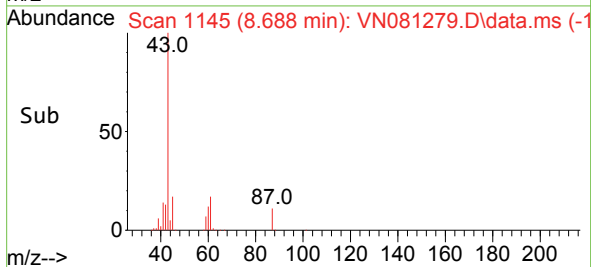
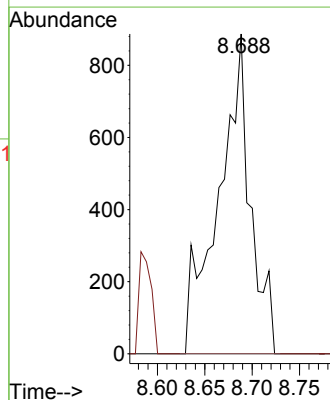
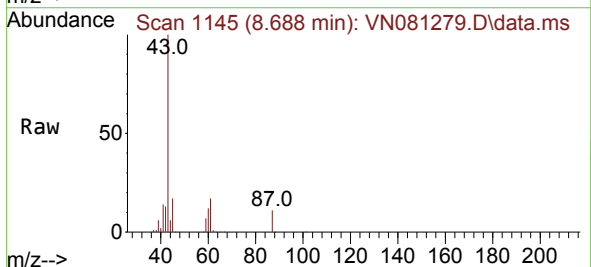


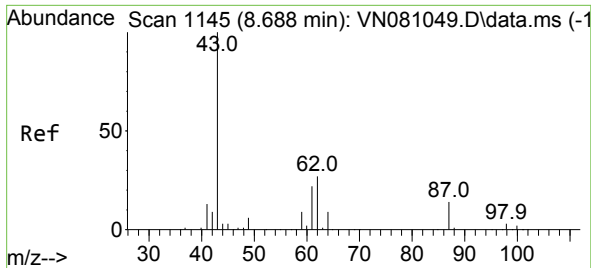
Tgt Ion:	41	Resp:	2575
Ion	Ratio	Lower	Upper
41	100		
39	75.4	48.4	72.6#
67	0.0	56.8	85.2#
52	0.0	25.0	37.4#



#42
1,2-Dichloroethane
Concen: 0.347 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Tgt Ion:	62	Resp:	2070
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.0

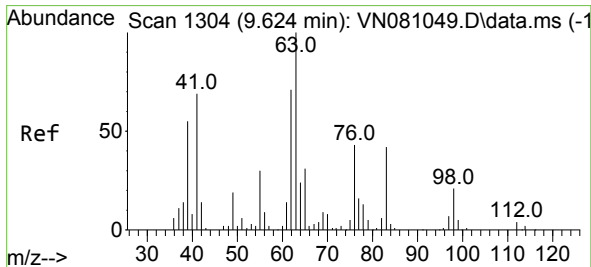
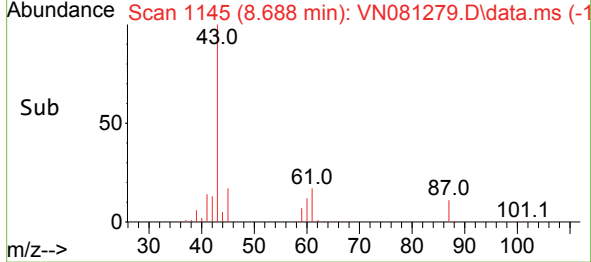
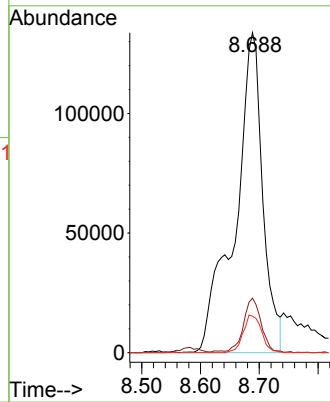
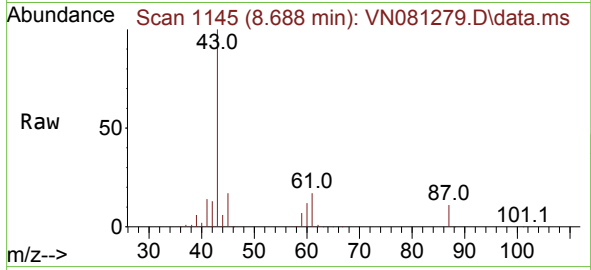




#43
Isopropyl Acetate
Concen: 46.984 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

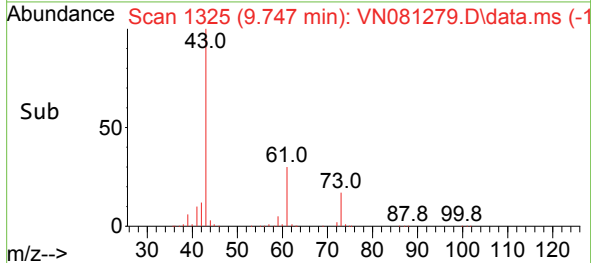
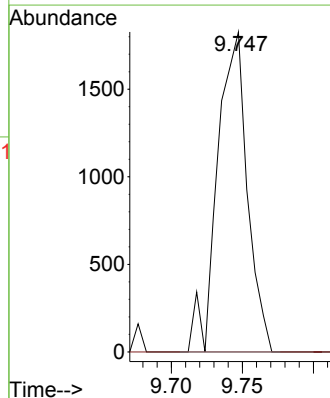
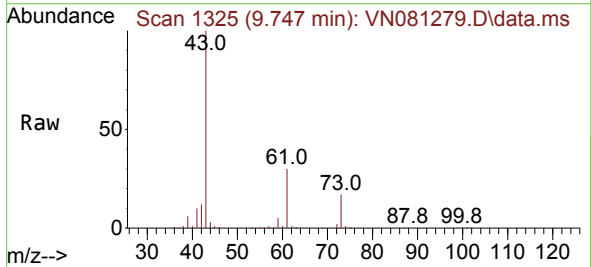
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#01

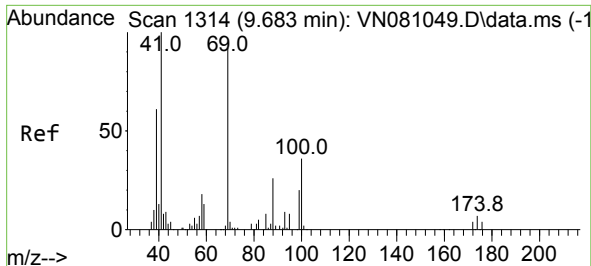
Tgt Ion: 43 Resp: 438529
Ion Ratio Lower Upper
43 100
61 11.0 19.9 29.9#
87 7.7 9.0 13.6#



#45
1,2-Dichloropropane
Concen: 0.626 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Tgt Ion: 63 Resp: 2679
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

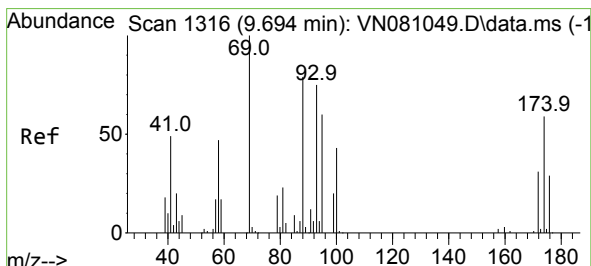
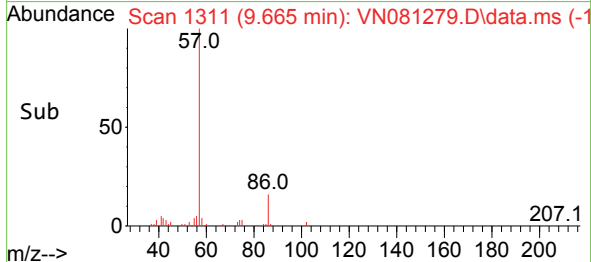
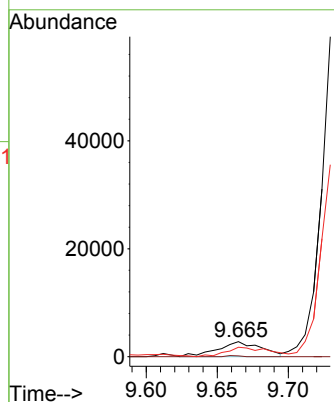
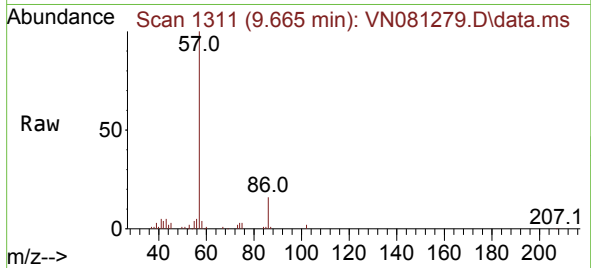




#48
Methyl methacrylate
Concen: 1.352 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

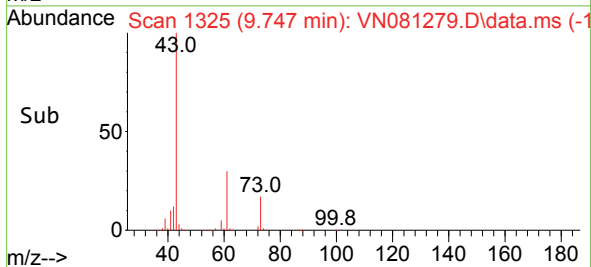
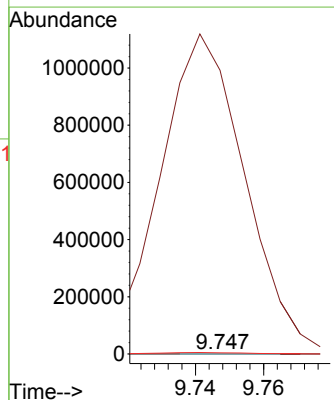
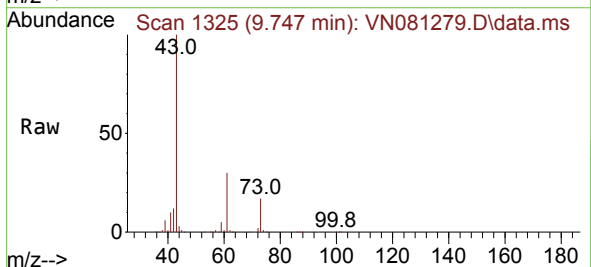
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#01

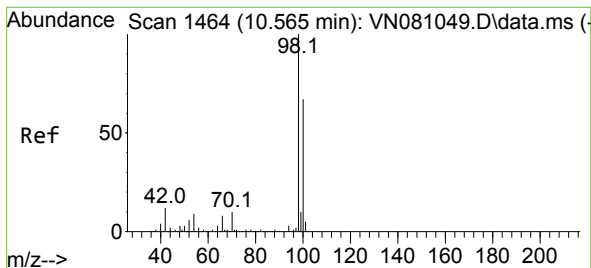
Tgt Ion: 41 Resp: 5872
Ion Ratio Lower Upper
41 100
69 2.1 62.2 93.2#
39 63.3 47.6 71.4



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Tgt Ion: 88 Resp: 160
Ion Ratio Lower Upper
88 100
43 1229093.8 30.1 45.1#
58 5825.0 63.9 95.9#





#50

Toluene-d8

Concen: 61.080 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN081279.D

Acq: 01 Mar 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :

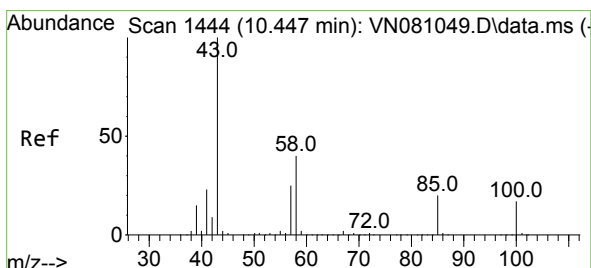
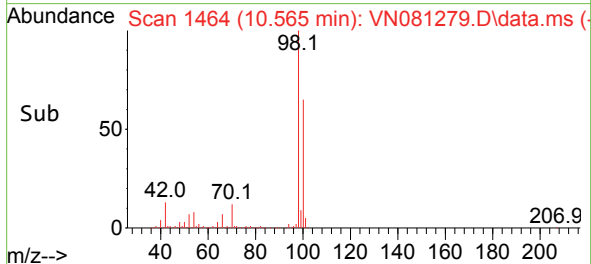
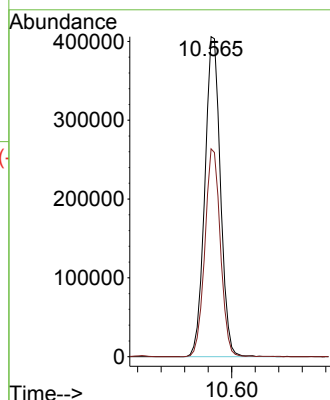
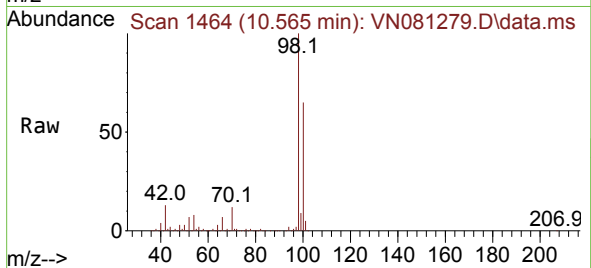
PB153949ZHE#01

Tgt Ion: 98 Resp: 748769

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 3.659 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

Lab File: VN081279.D

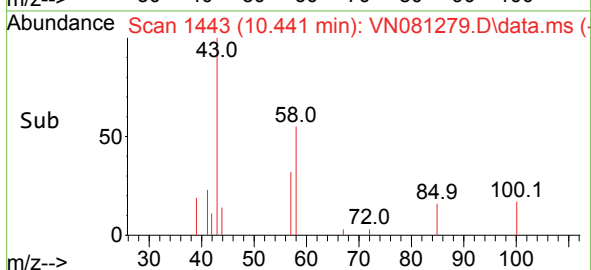
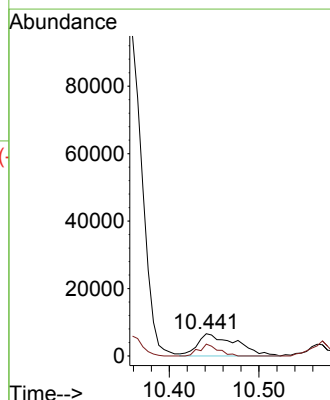
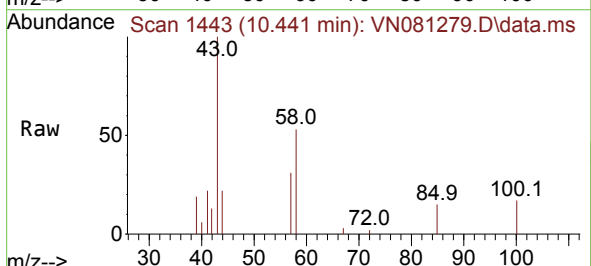
Acq: 01 Mar 2024 12:45

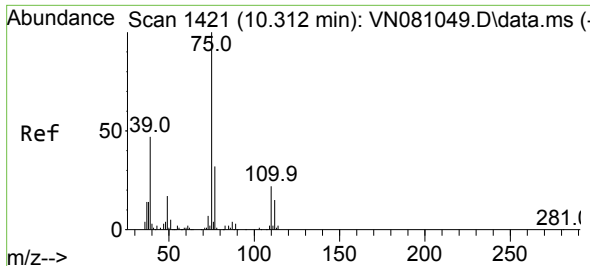
Tgt Ion: 43 Resp: 19648

Ion Ratio Lower Upper

43 100

58 26.3 29.4 44.0#

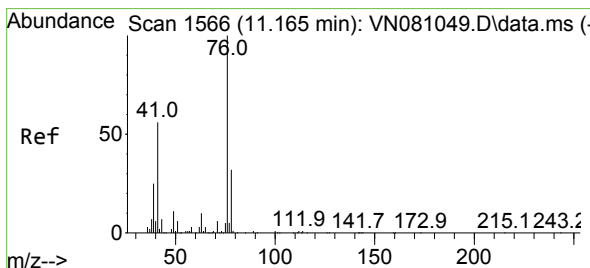
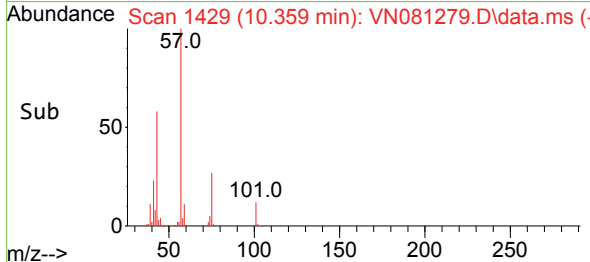
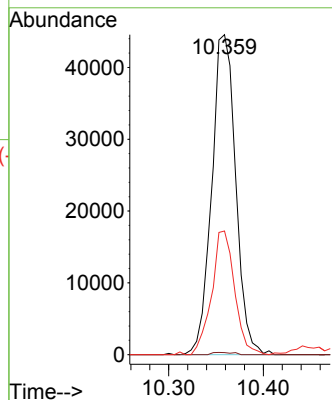
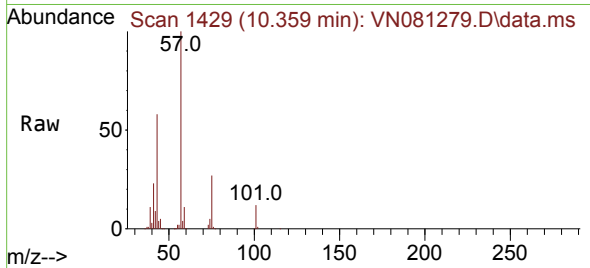




#54
cis-1,3-Dichloropropene
Concen: 11.065 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

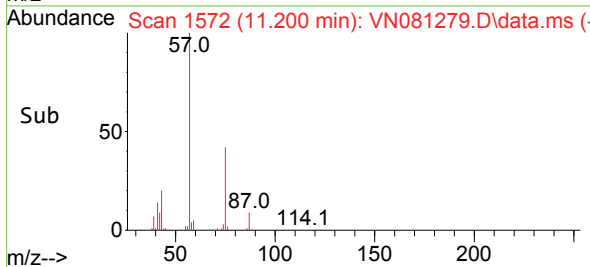
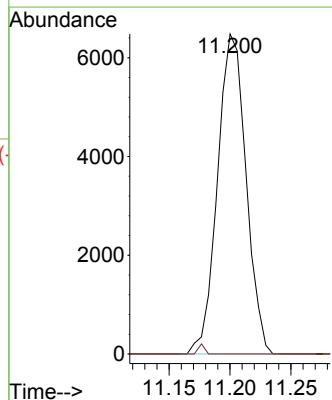
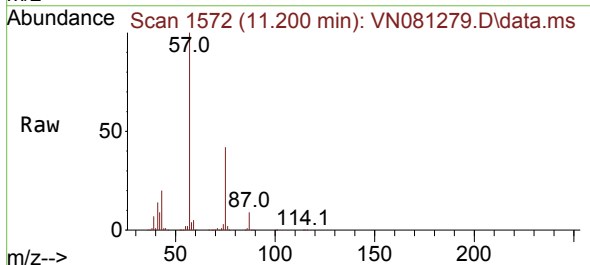
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#01

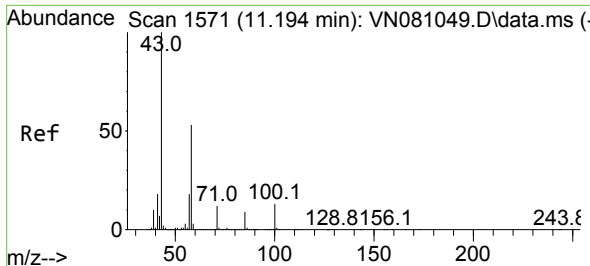
Tgt Ion: 75 Resp: 78491
Ion Ratio Lower Upper
75 100
77 0.7 23.3 34.9#
39 38.2 44.6 66.8#



#57
1,3-Dichloropropane
Concen: 1.468 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Tgt Ion: 76 Resp: 10578
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

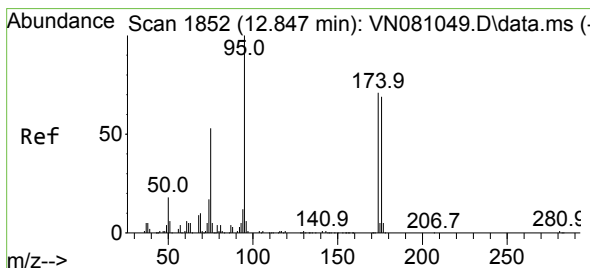
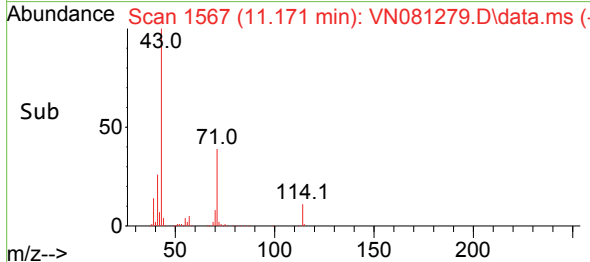
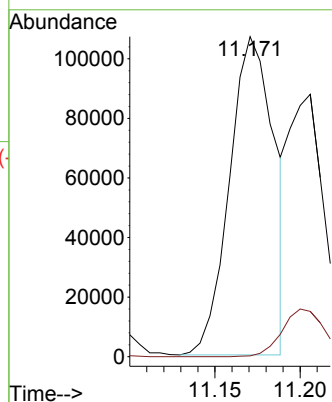
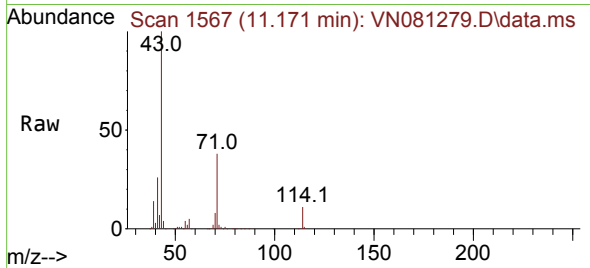




#59
2-Hexanone
Concen: 45.677 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

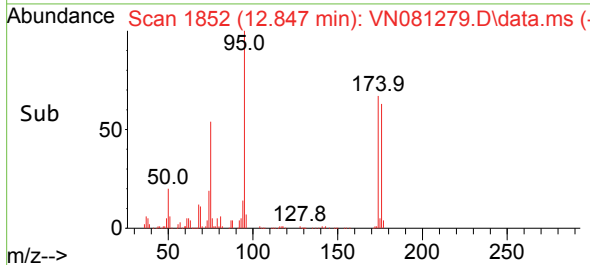
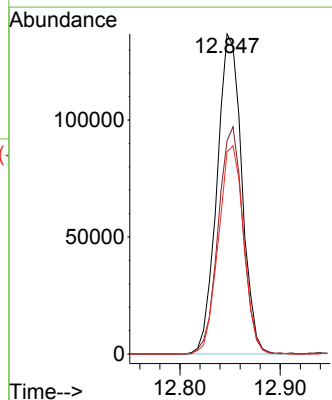
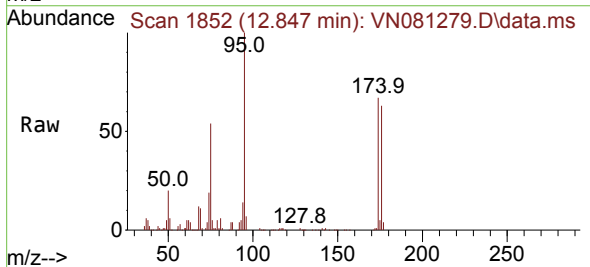
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#01

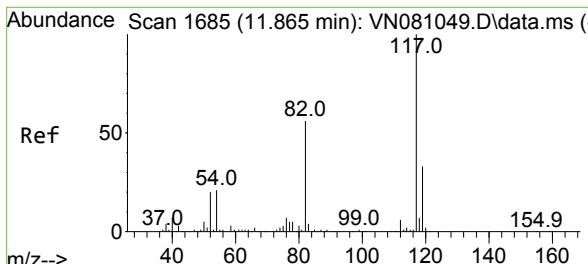
Tgt Ion: 43 Resp: 194430
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 50.874 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Tgt Ion: 95 Resp: 234340
Ion Ratio Lower Upper
95 100
174 70.8 0.0 120.4
176 66.3 0.0 121.0

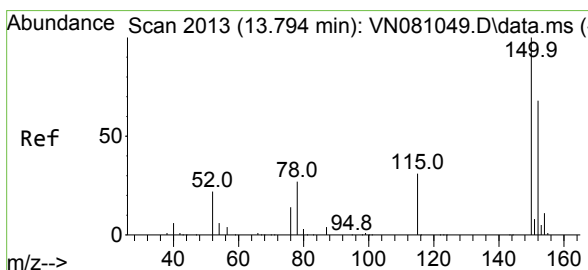
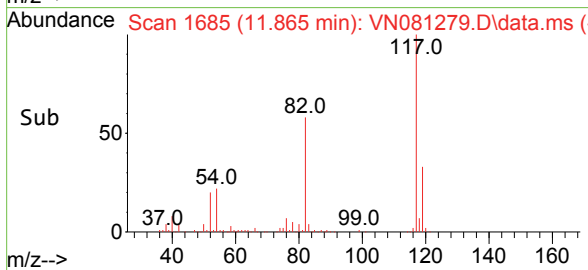
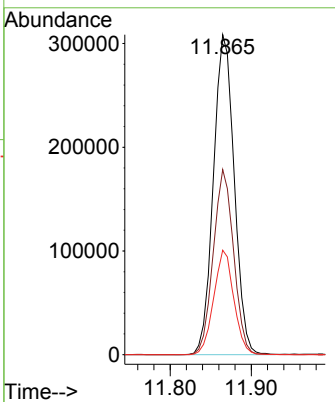
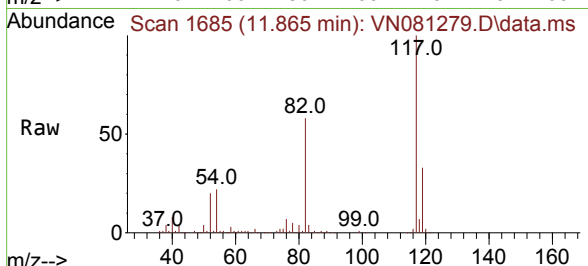




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 117
 Delta R.T. -0.000 min
 Lab File: VN081279.D
 Acq: 01 Mar 2024 12:45

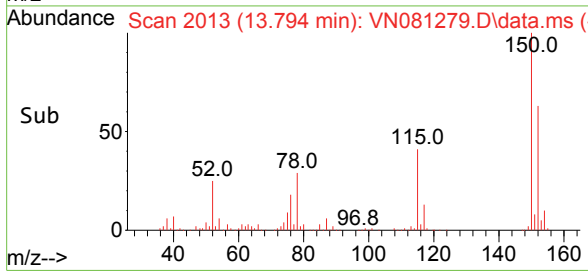
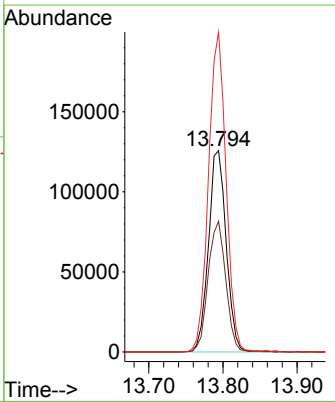
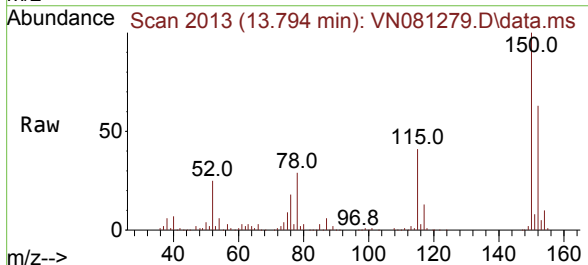
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949ZHE#01

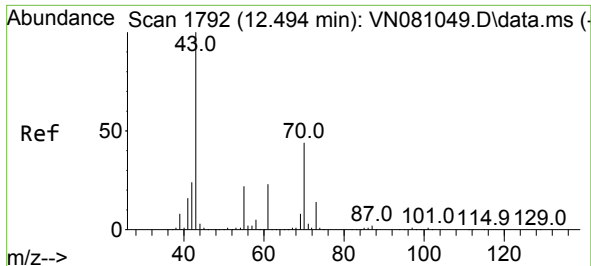
Tgt Ion:	117	Resp:	550129
Ion Ratio	Lower	Upper	
117	100		
82	57.8	52.7	79.1
119	32.6	25.3	37.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN081279.D
 Acq: 01 Mar 2024 12:45

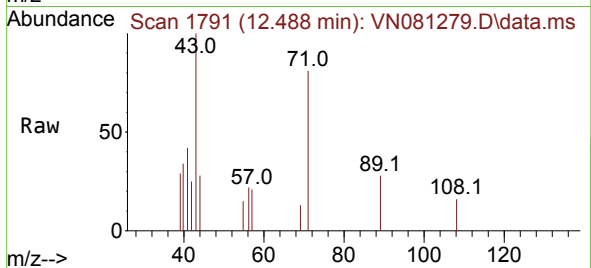
Tgt Ion:	152	Resp:	208862
Ion Ratio	Lower	Upper	
152	100		
115	65.0	32.3	96.8
150	157.1	0.0	339.8



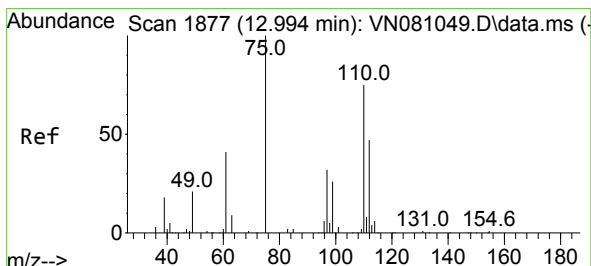
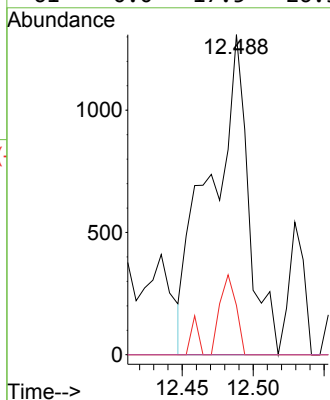
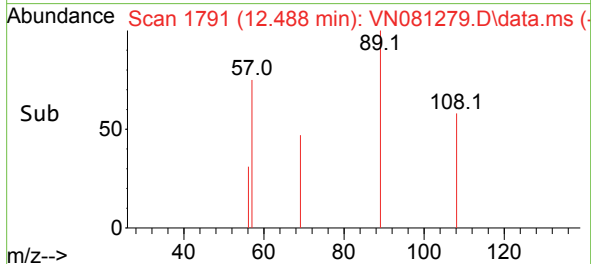


#74
N-amy1 acetate
Concen: 0.322 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#01

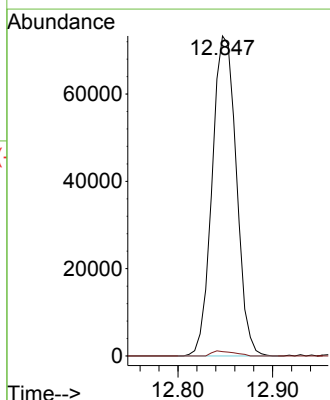
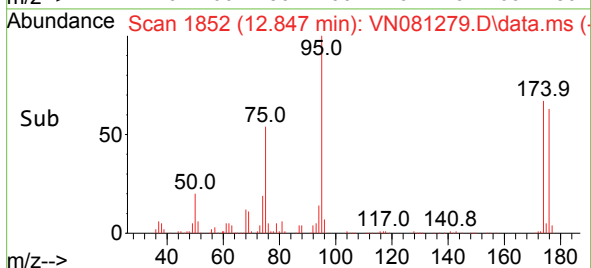
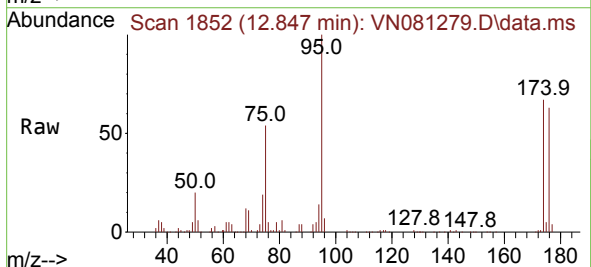


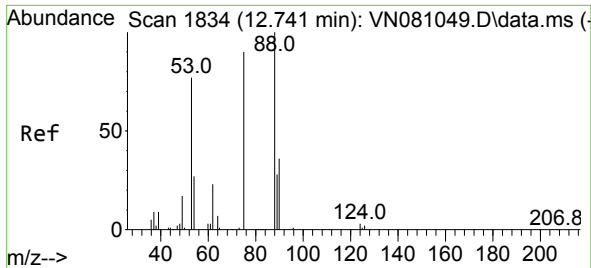
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	10.5	17.0	25.4#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 27.421 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081279.D
Acq: 01 Mar 2024 12:45

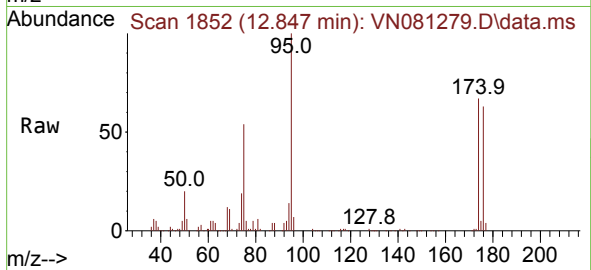
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	91.0	272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.579 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081279.D
 Acq: 01 Mar 2024 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949ZHE#01



Tgt Ion: 75 Resp: 130125
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.1 33.4 50.0#

