

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031924\
 Data File : VN081473.D
 Acq On : 19 Mar 2024 16:09
 Operator : JC\MD
 Sample : PB159649TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159649TB

Quant Time: Mar 20 01:19:31 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

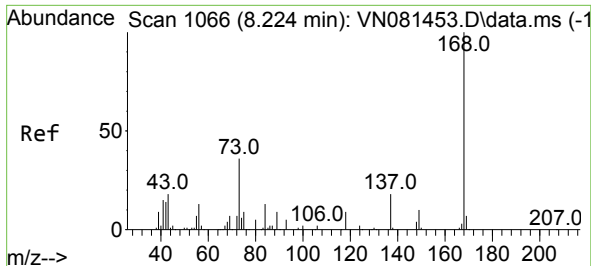
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	424014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	741136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	661486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	250145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	278703	51.542	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.080%	
35) Dibromofluoromethane	8.165	113	230069	49.188	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.380%	
50) Toluene-d8	10.565	98	894729	52.918	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.840%	
62) 4-Bromofluorobenzene	12.847	95	269587	45.250	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 90.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1144	0.201	ug/l #	73
5) Bromomethane	2.971	94	1504	0.333	ug/l	95
11) Tert butyl alcohol	5.518	59	11153	11.836	ug/l #	86
16) Acetone	4.430	43	53366	30.538	ug/l	100
18) Methyl Acetate	5.042	43	3047	0.566	ug/l #	65
20) Methylene Chloride	5.283	84	29769	5.200	ug/l #	89
25) 2-Butanone	7.483	43	50016	16.687	ug/l	97
29) Tetrahydrofuran	7.853	42	1498	0.742	ug/l #	78
31) Cyclohexane	8.224	56	9202	1.046	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	35739	4.540	ug/l #	50
37) Ethyl Acetate	7.553	43	9493	1.408	ug/l #	95
38) Carbon Tetrachloride	8.224	117	45672	5.297	ug/l #	20
41) Methacrylonitrile	7.841	41	1192	0.334	ug/l #	40
42) 1,2-Dichloroethane	8.688	62	2270	0.280	ug/l #	75
43) Isopropyl Acetate	8.688	43	372230	33.316	ug/l #	84
48) Methyl methacrylate	9.659	41	13429	2.606	ug/l #	49
49) 1,4-Dioxane	9.747	88	195	1.575	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	17860	2.620	ug/l #	80
52) Toluene	10.624	92	3850	0.263	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	89172	9.301	ug/l #	63
56) Ethyl methacrylate	10.982	69	2829	0.925	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	11178	1.158	ug/l #	43
59) 2-Hexanone	11.171	43	206110	40.891	ug/l #	26
74) N-amyl acetate	12.459	43	12345	1.600	ug/l #	53
76) 1,2,3-Trichloropropane	12.853	75	141473	23.644	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	141473	63.892	ug/l #	14

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

Quant Time: Mar 20 01:19:31 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

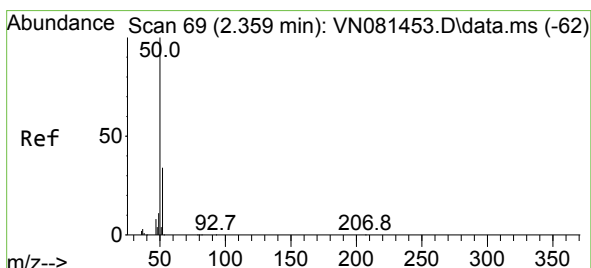
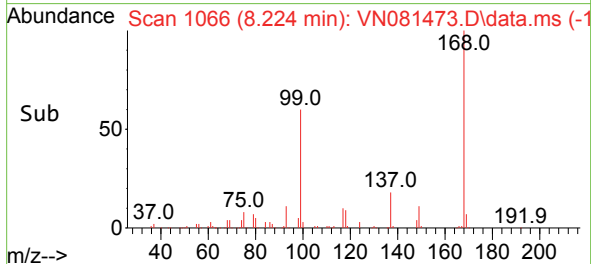
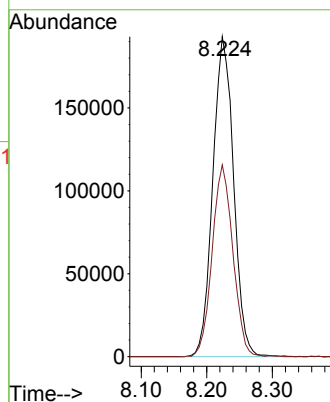
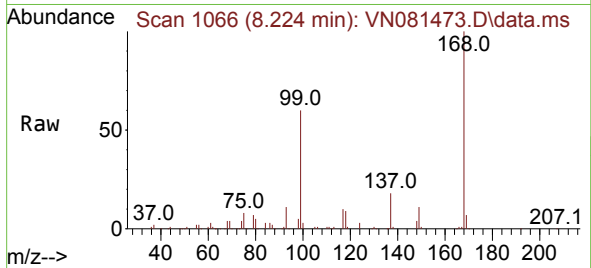




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

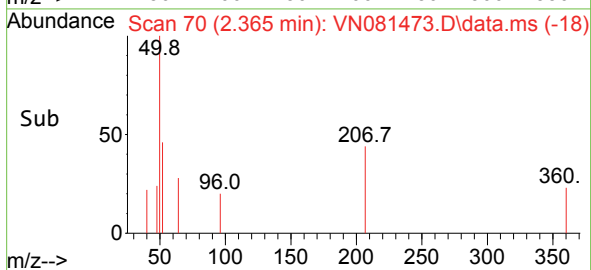
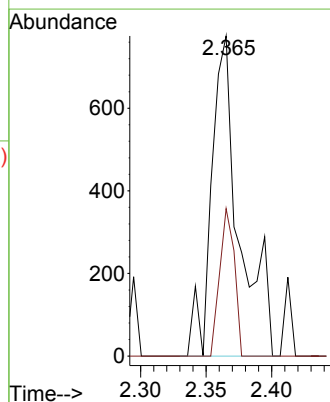
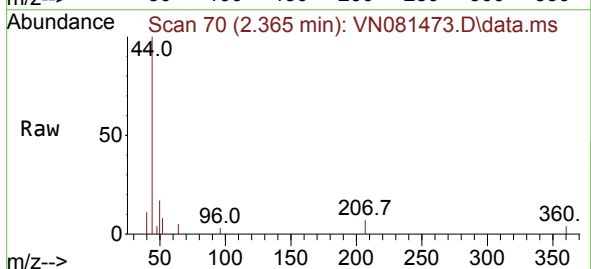
Instrument :
MSVOA_N
ClientSampleId :
PB159649TB

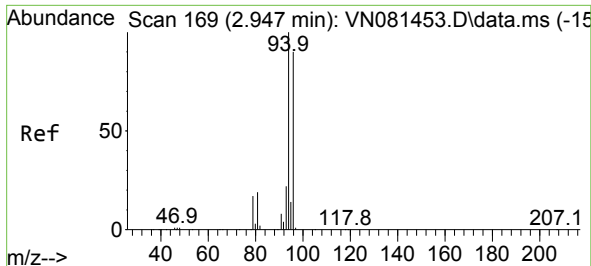
Tgt Ion:168 Resp: 424014
Ion Ratio Lower Upper
168 100
99 60.0 59.9 89.9



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Tgt Ion: 50 Resp: 1144
Ion Ratio Lower Upper
50 100
52 46.1 25.0 37.4#

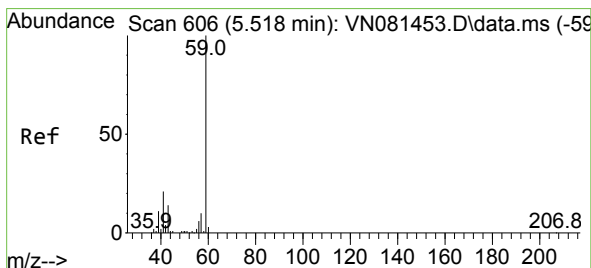
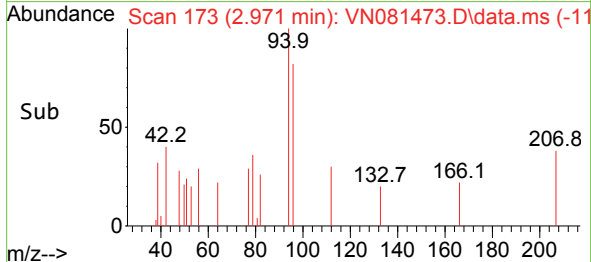
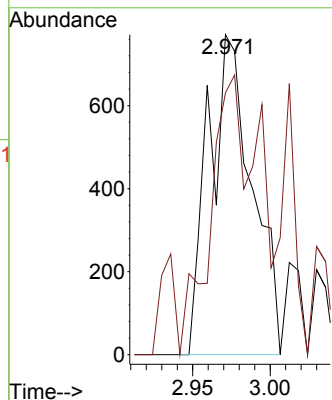
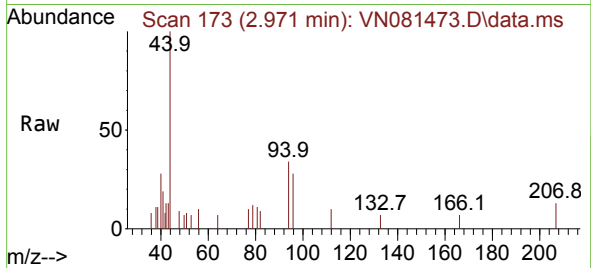




#5
Bromomethane
Concen: 0.333 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

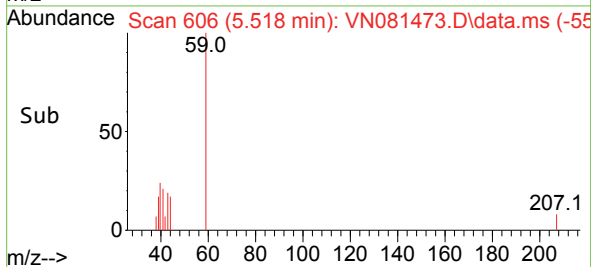
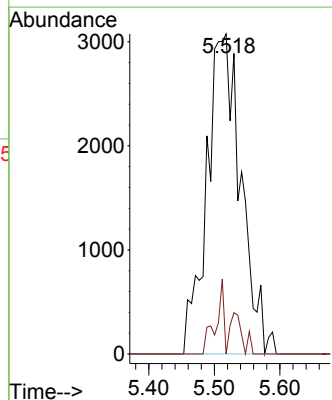
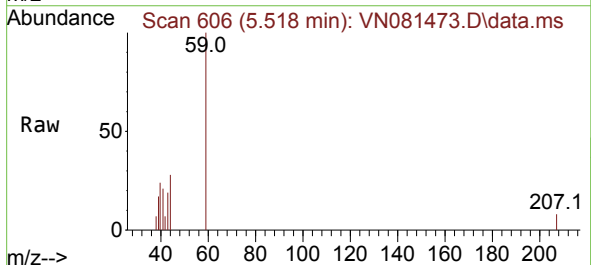
Instrument :
MSVOA_N
ClientSampleId :
PB159649TB

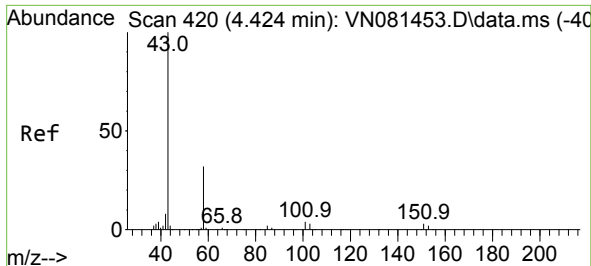
Tgt Ion: 94 Resp: 1504
Ion Ratio Lower Upper
94 100
96 81.8 69.2 103.8



#11
Tert butyl alcohol
Concen: 11.836 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Tgt Ion: 59 Resp: 11153
Ion Ratio Lower Upper
59 100
57 5.5 8.6 12.8#

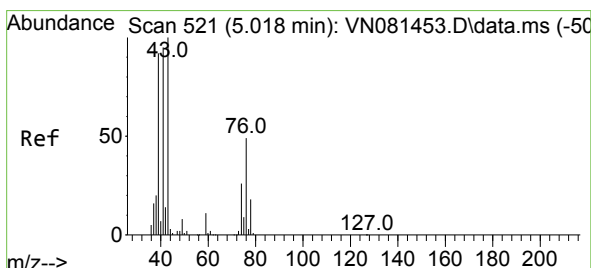
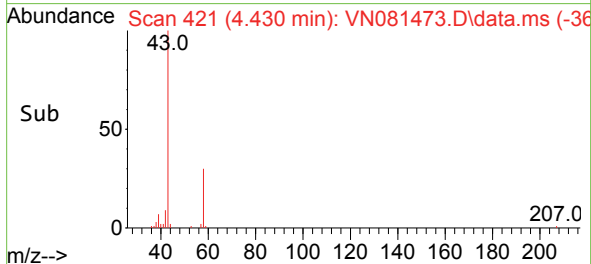
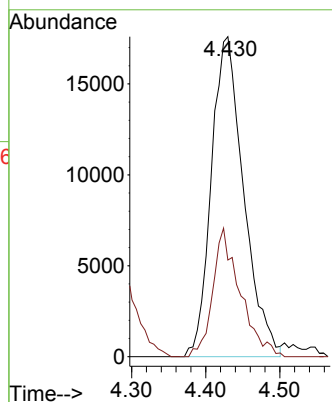
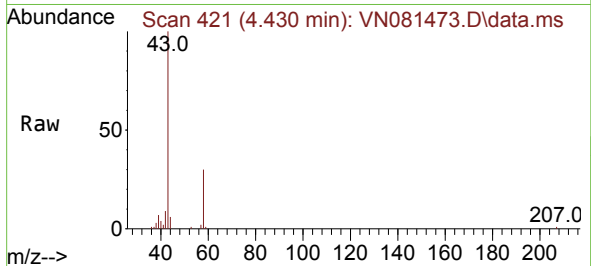




#16
Acetone
Concen: 30.538 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

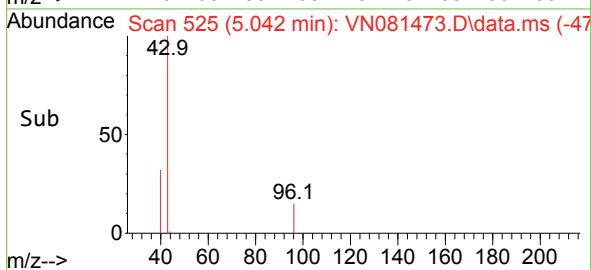
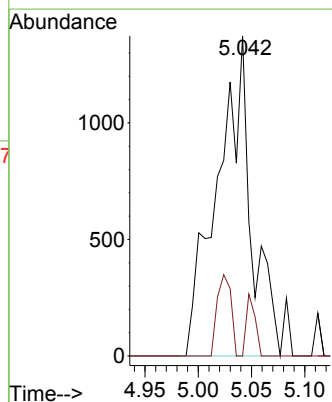
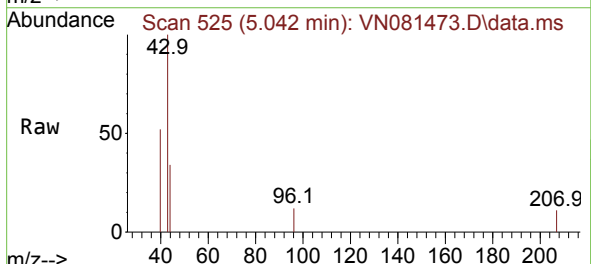
Instrument :
MSVOA_N
ClientSampleId :
PB159649TB

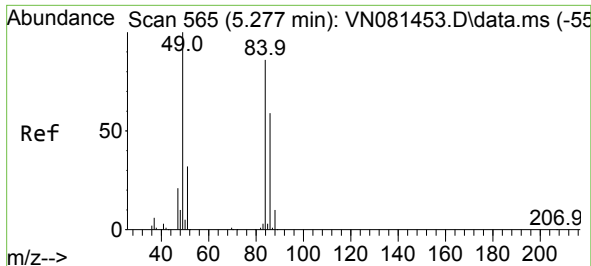
Tgt Ion: 43 Resp: 53366
Ion Ratio Lower Upper
43 100
58 31.2 24.8 37.2



#18
Methyl Acetate
Concen: 0.566 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.024 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Tgt Ion: 43 Resp: 3047
Ion Ratio Lower Upper
43 100
74 5.0 17.3 25.9#

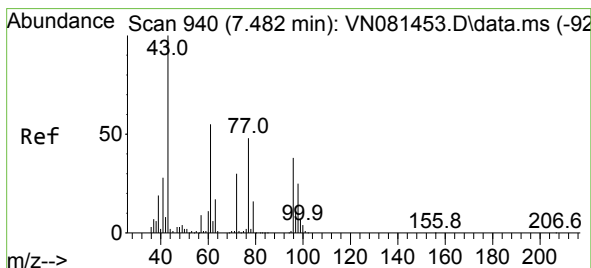
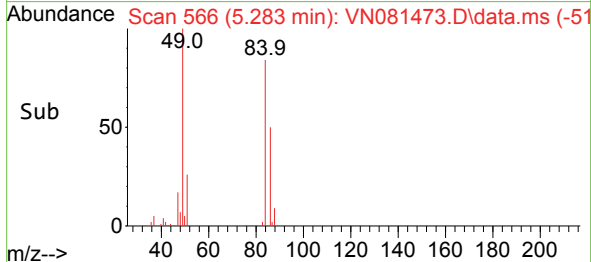
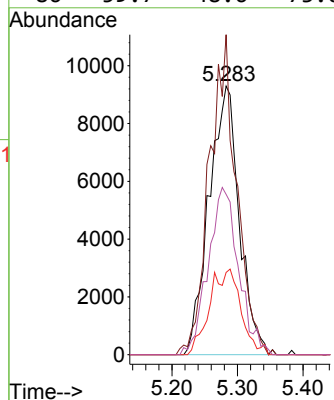
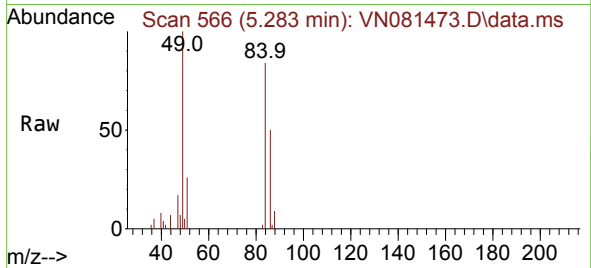




#20
Methylene Chloride
Concen: 5.200 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

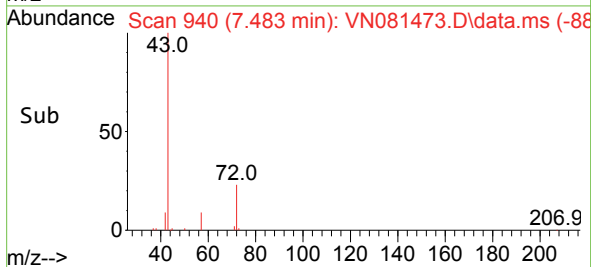
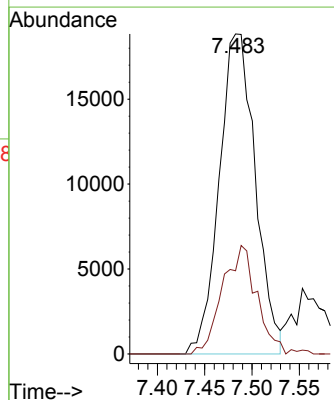
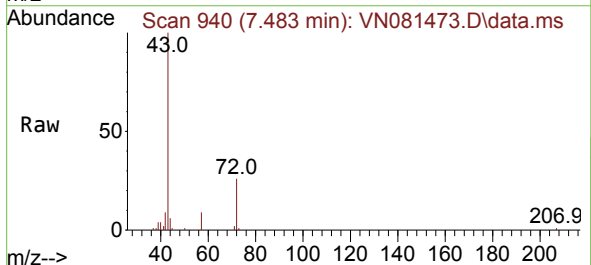
Instrument :
MSVOA_N
ClientSampleId :
PB159649TB

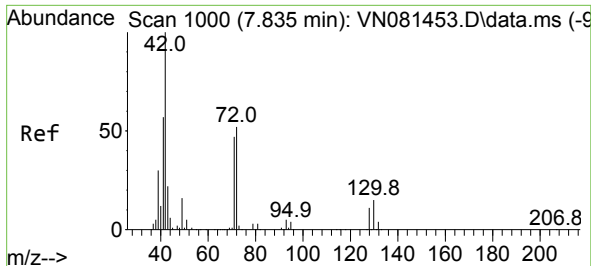
Tgt Ion:	84	Resp:	29769
Ion	Ratio	Lower	Upper
84	100		
49	119.1	108.1	162.1
51	30.6	32.9	49.3#
86	59.7	48.6	73.0



#25
2-Butanone
Concen: 16.687 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Tgt Ion:	43	Resp:	50016
Ion	Ratio	Lower	Upper
43	100		
72	26.0	19.5	29.3





#29

Tetrahydrofuran

Concen: 0.742 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN081473.D

Acq: 19 Mar 2024 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB159649TB

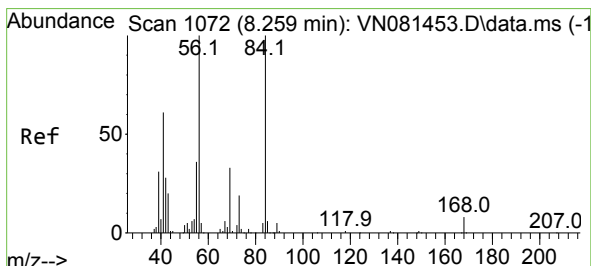
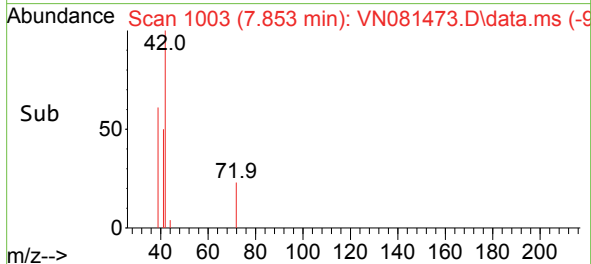
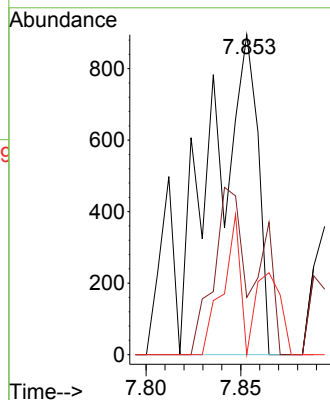
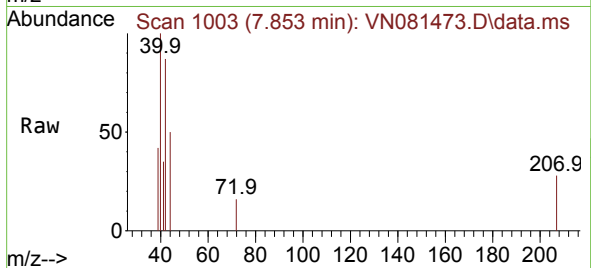
Tgt Ion: 42 Resp: 1498

Ion Ratio Lower Upper

42 100

72 46.9 31.1 46.7#

71 16.8 28.3 42.5#



#31

Cyclohexane

Concen: 1.046 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081473.D

Acq: 19 Mar 2024 16:09

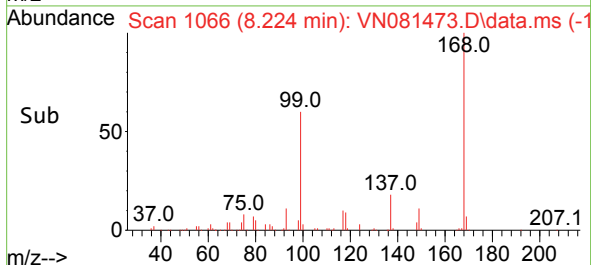
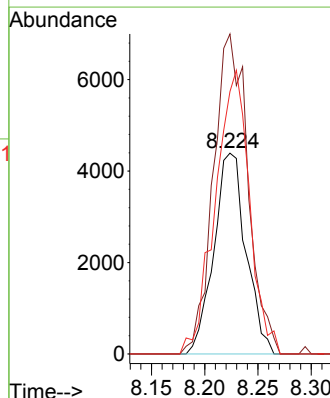
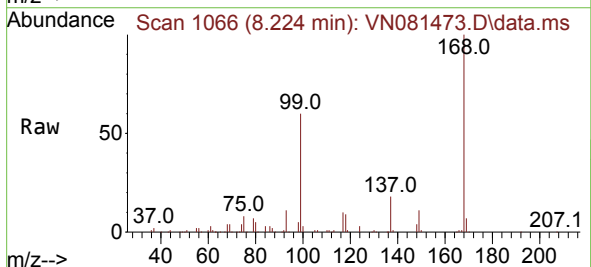
Tgt Ion: 56 Resp: 9202

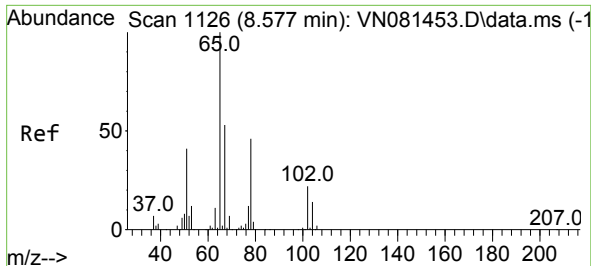
Ion Ratio Lower Upper

56 100

69 159.3 20.1 30.1#

84 130.6 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 51.542 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081473.D

Acq: 19 Mar 2024 16:09

Instrument :

MSVOA_N

ClientSampleId :

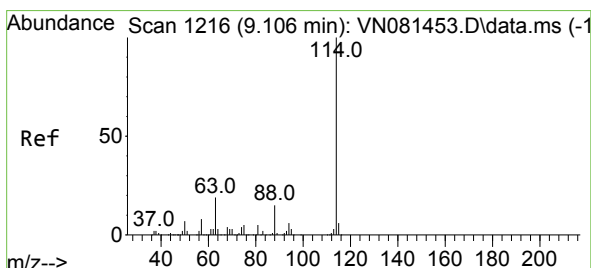
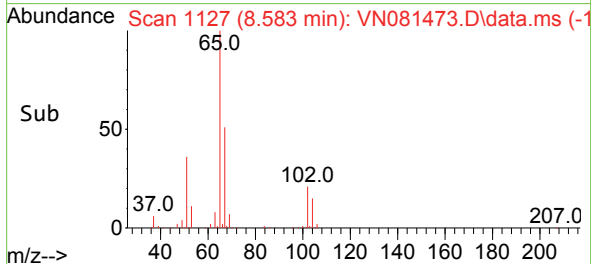
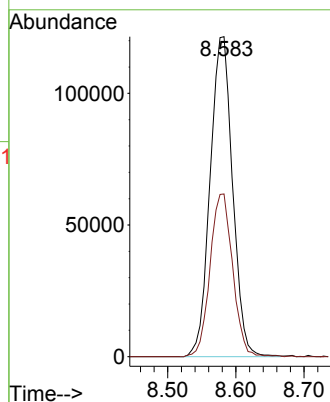
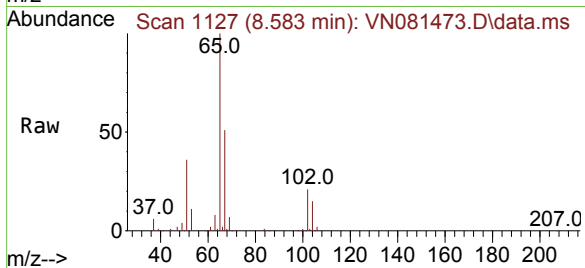
PB159649TB

Tgt Ion: 65 Resp: 278703

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081473.D

Acq: 19 Mar 2024 16:09

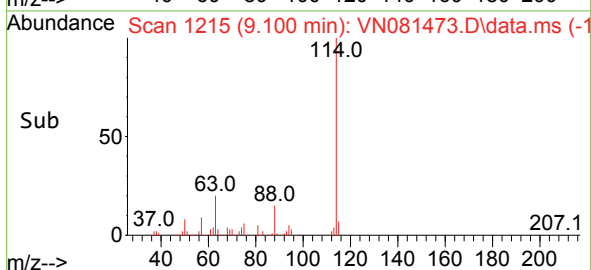
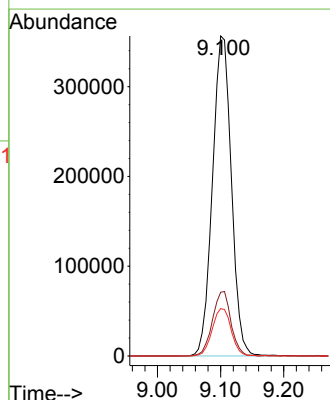
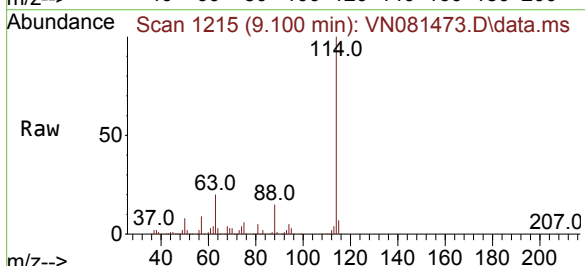
Tgt Ion: 114 Resp: 741136

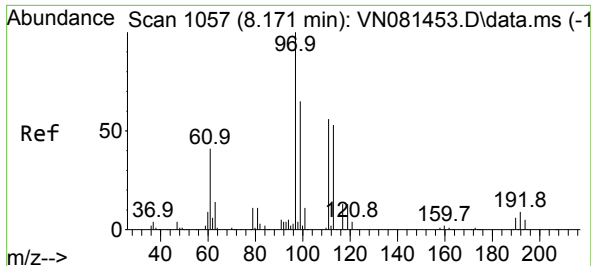
Ion Ratio Lower Upper

114 100

63 19.9 0.0 48.0

88 14.8 0.0 34.8

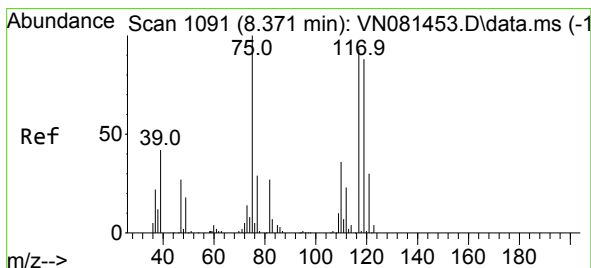
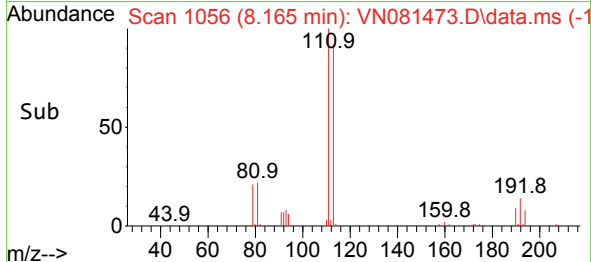
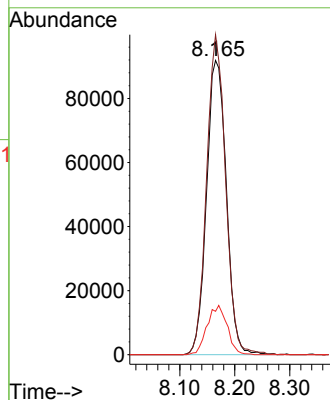
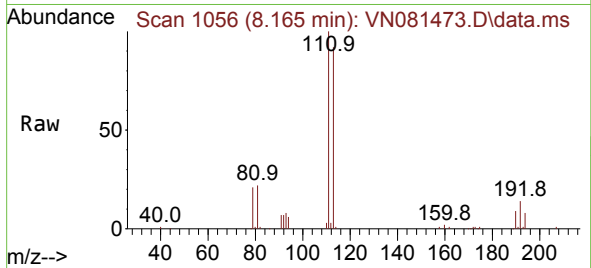




#35
Dibromofluoromethane
Concen: 49.188 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

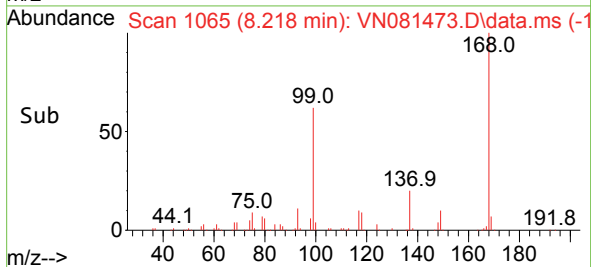
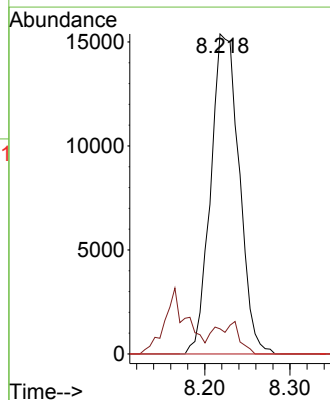
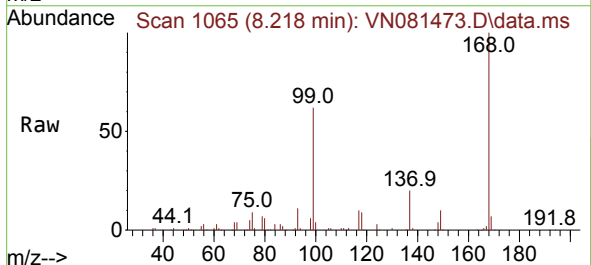
Instrument :
MSVOA_N
ClientSampleId :
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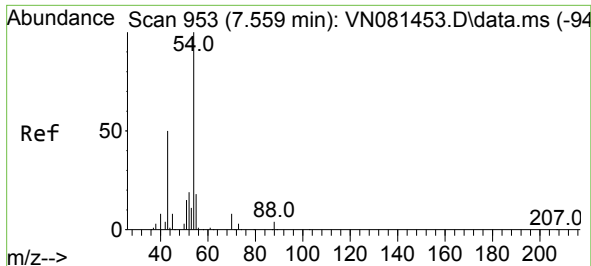
Tgt Ion:113 Resp: 230069
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.4
192 17.0 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.540 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Tgt Ion: 75 Resp: 35739
Ion Ratio Lower Upper
75 100
110 8.6 16.0 48.0#
77 0.0 25.8 38.6#

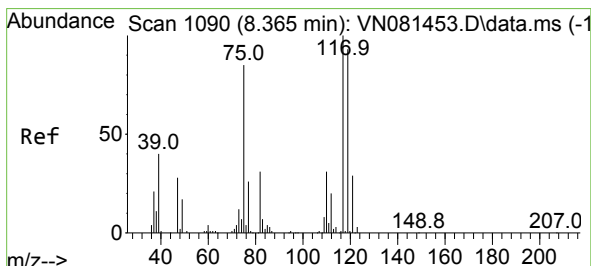
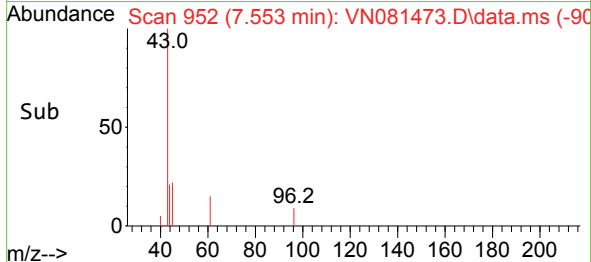
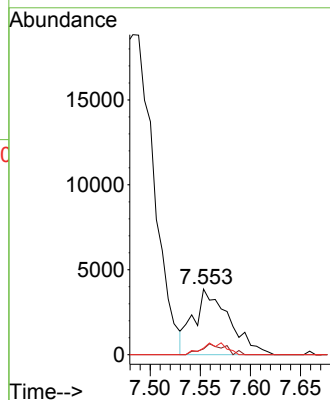
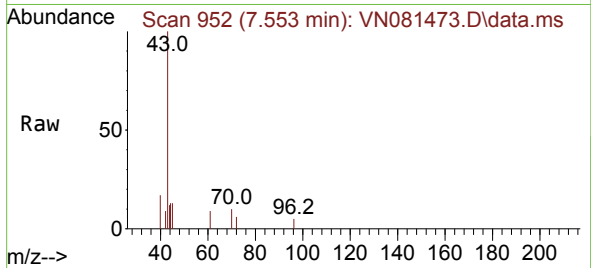




#37
Ethyl Acetate
Concen: 1.408 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

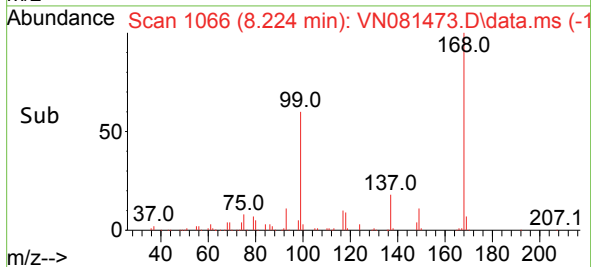
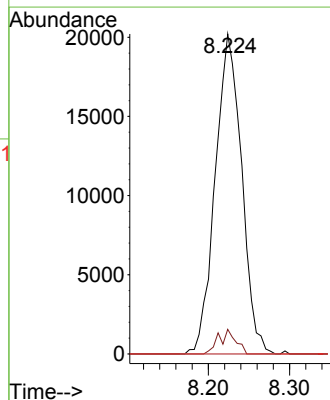
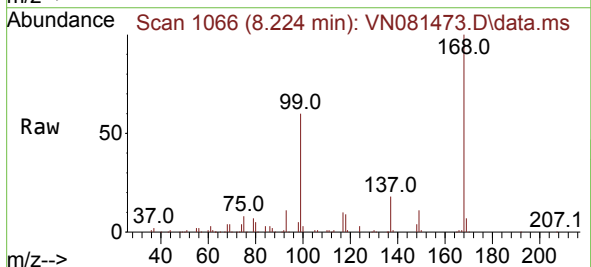
Instrument :
MSVOA_N
ClientSampleId :
PB159649TB

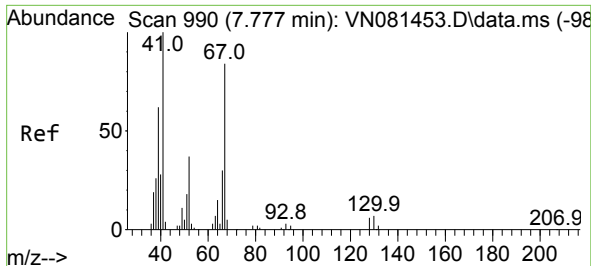
Tgt Ion: 43 Resp: 9493
Ion Ratio Lower Upper
43 100
61 11.3 10.6 15.8
70 12.1 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.297 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Tgt Ion: 117 Resp: 45672
Ion Ratio Lower Upper
117 100
119 7.7 73.4 110.2#
121 0.0 24.4 36.6#

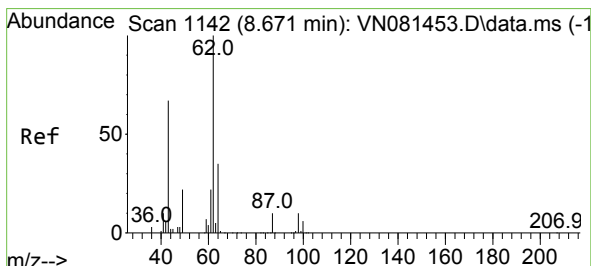
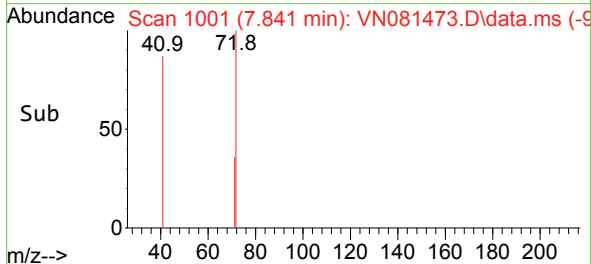
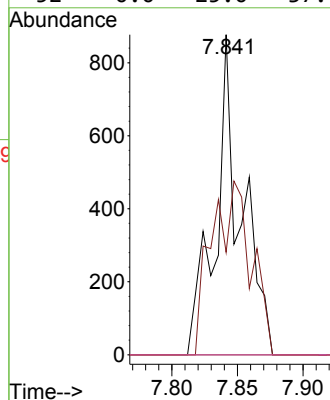
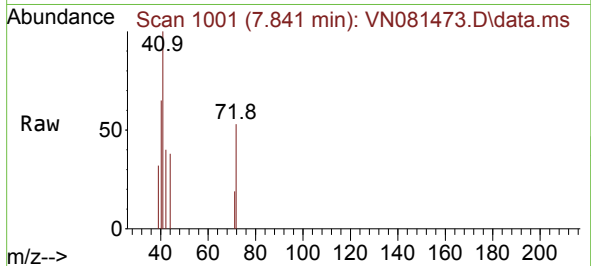




#41
Methacrylonitrile
Concen: 0.334 ug/l
RT: 7.841 min Scan# 1192
Delta R.T. 0.065 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

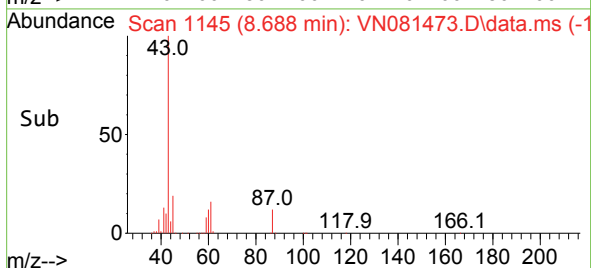
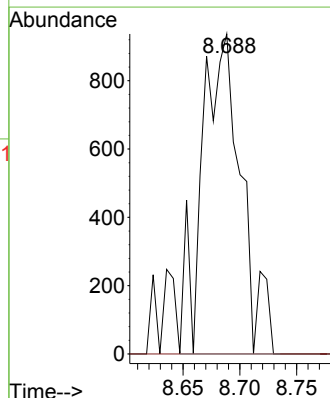
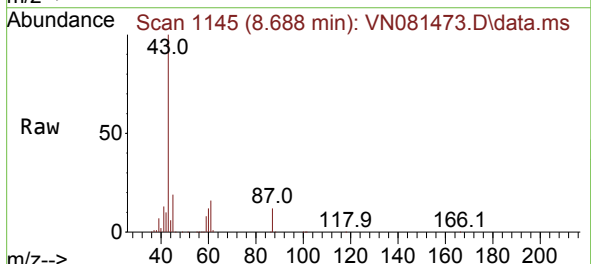
Instrument :
MSVOA_N
ClientSampleId :
PB159649TB

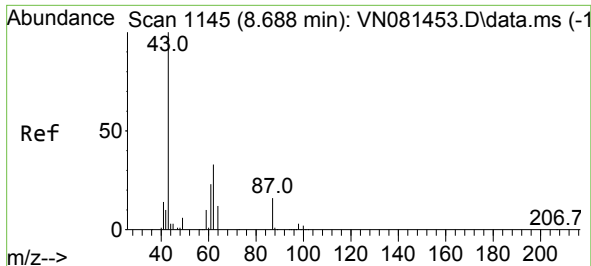
Tgt Ion:	41	Resp:	1192
Ion	Ratio	Lower	Upper
41	100		
39	83.6	48.4	72.6#
67	0.0	56.8	85.2#
52	0.0	25.0	37.4#



#42
1,2-Dichloroethane
Concen: 0.280 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Tgt Ion:	62	Resp:	2270
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.0

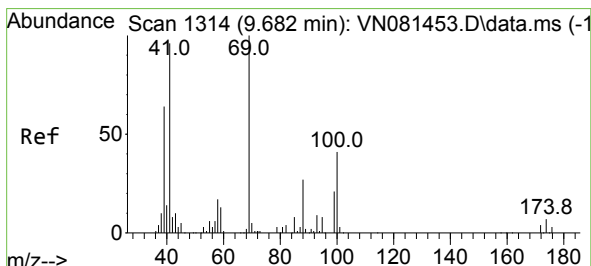
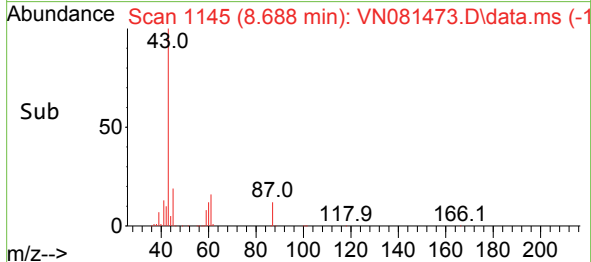
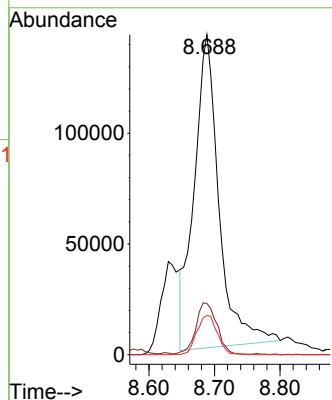
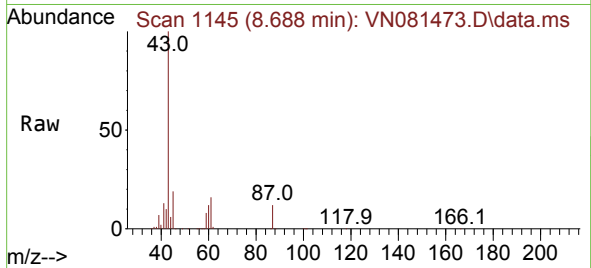




#43
Isopropyl Acetate
Concen: 33.316 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

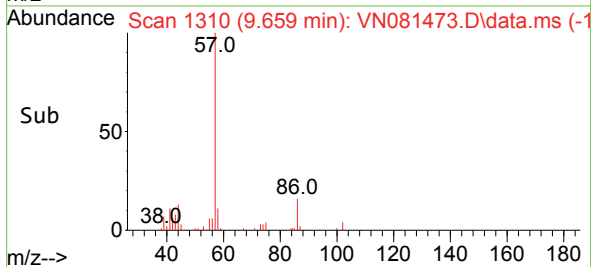
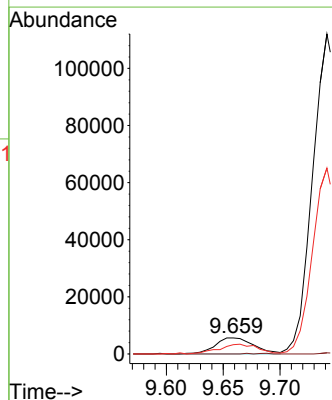
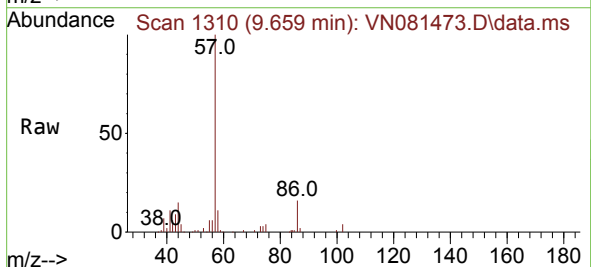
Instrument :
MSVOA_N
ClientSampleId :
PB159649TB

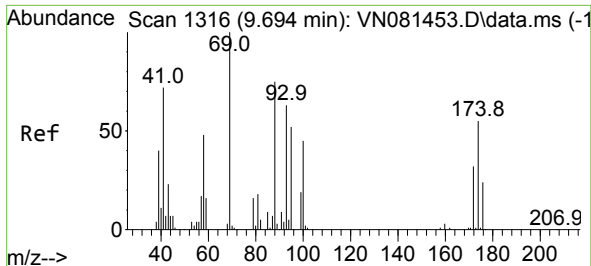
Tgt Ion: 43 Resp: 372230
Ion Ratio Lower Upper
43 100
61 14.0 19.9 29.9#
87 10.4 9.0 13.6



#48
Methyl methacrylate
Concen: 2.606 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.023 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Tgt Ion: 41 Resp: 13429
Ion Ratio Lower Upper
41 100
69 0.6 62.2 93.2#
39 60.9 47.6 71.4





#49

1,4-Dioxane

Concen: 1.575 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN081473.D

Acq: 19 Mar 2024 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB159649TB

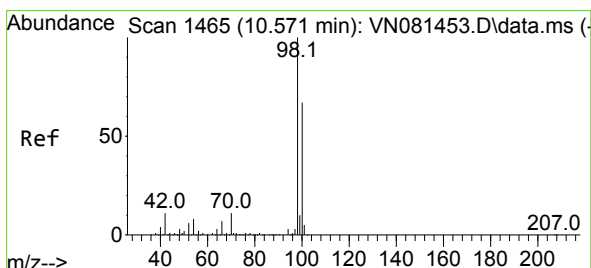
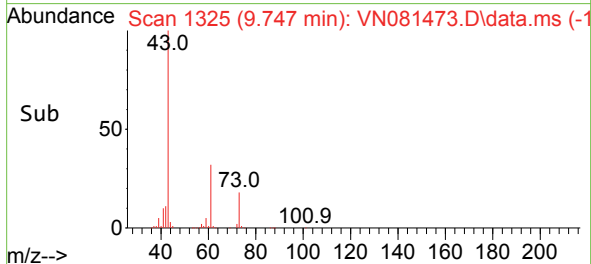
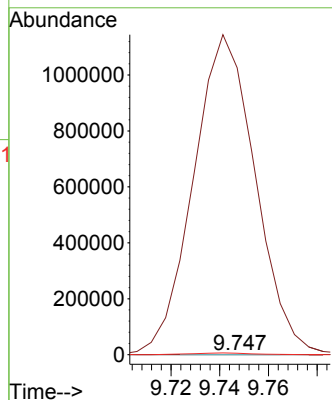
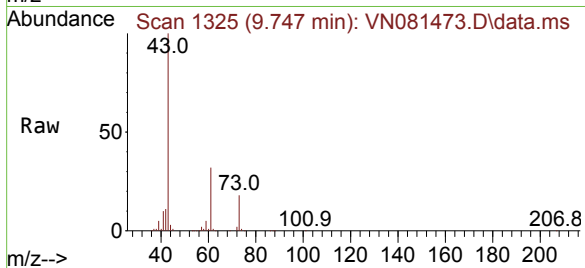
Tgt Ion: 88 Resp: 195

Ion Ratio Lower Upper

88 100

43 1045828.7 30.1 45.1#

58 5422.6 63.9 95.9#



#50

Toluene-d8

Concen: 52.918 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081473.D

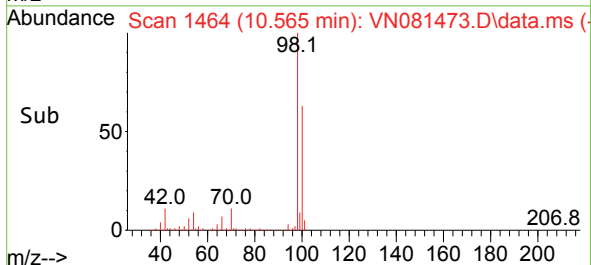
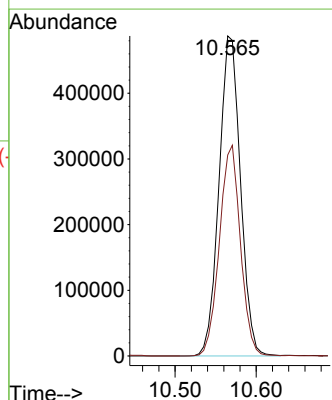
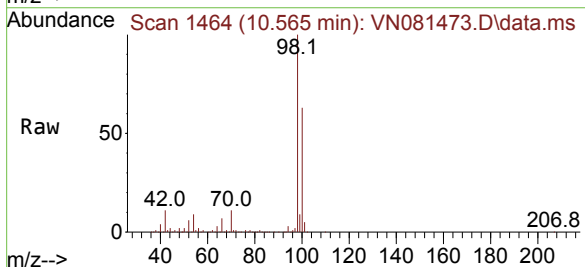
Acq: 19 Mar 2024 16:09

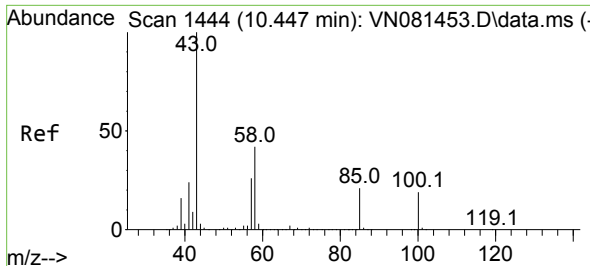
Tgt Ion: 98 Resp: 894729

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 2.620 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN081473.D

Acq: 19 Mar 2024 16:09

Instrument :

MSVOA_N

ClientSampleId :

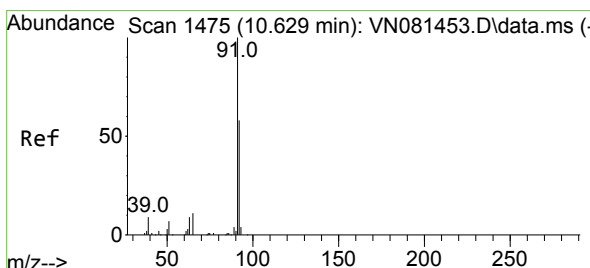
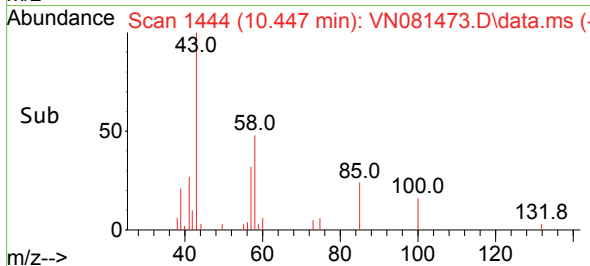
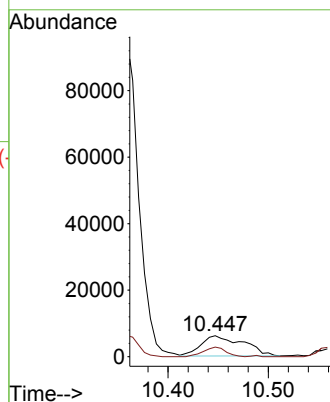
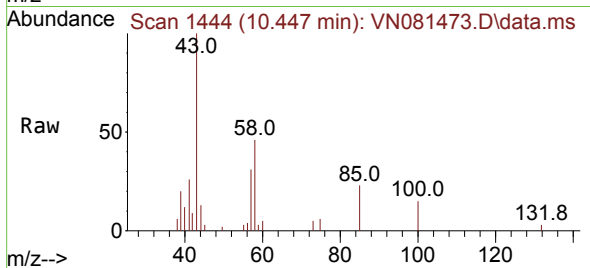
PB159649TB

Tgt Ion: 43 Resp: 17860

Ion Ratio Lower Upper

43 100

58 24.9 29.4 44.0#



#52

Toluene

Concen: 0.263 ug/l

RT: 10.624 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN081473.D

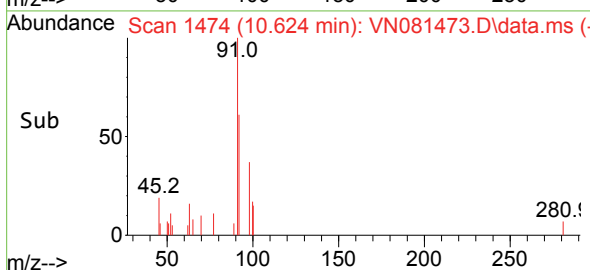
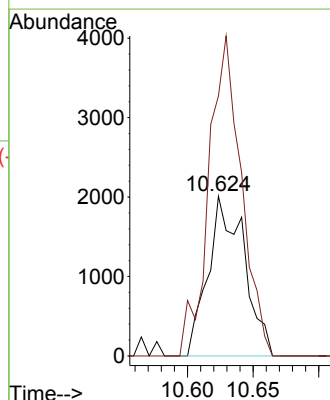
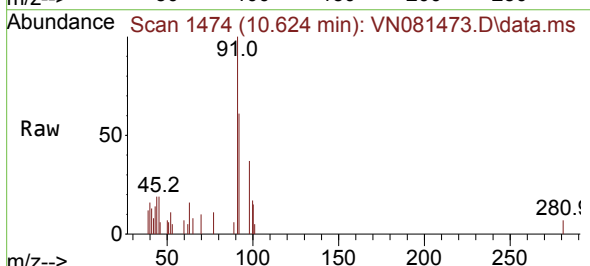
Acq: 19 Mar 2024 16:09

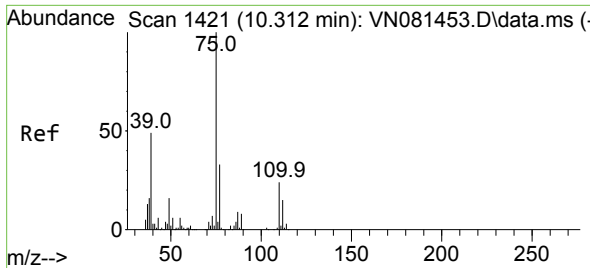
Tgt Ion: 92 Resp: 3850

Ion Ratio Lower Upper

92 100

91 181.0 139.4 209.0

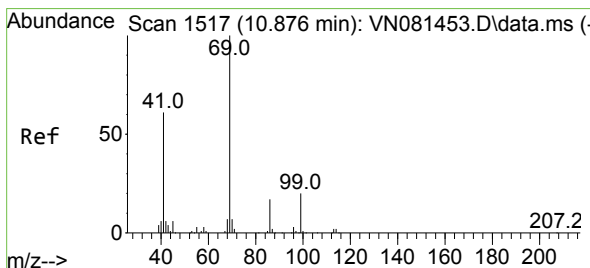
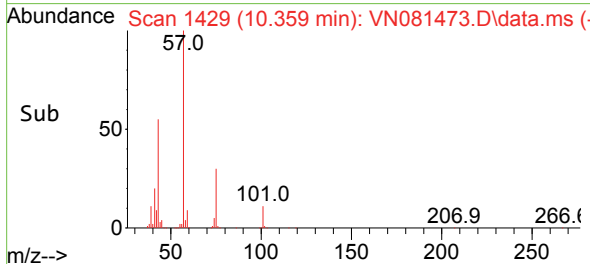
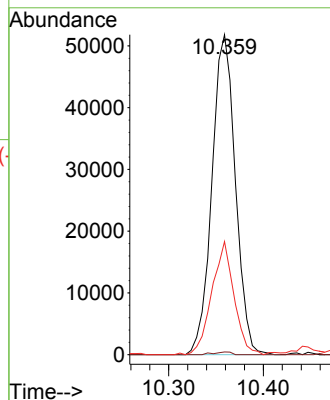
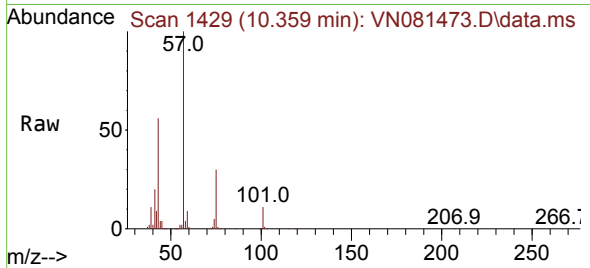




#54
 cis-1,3-Dichloropropene
 Concen: 9.301 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081473.D
 Acq: 19 Mar 2024 16:09

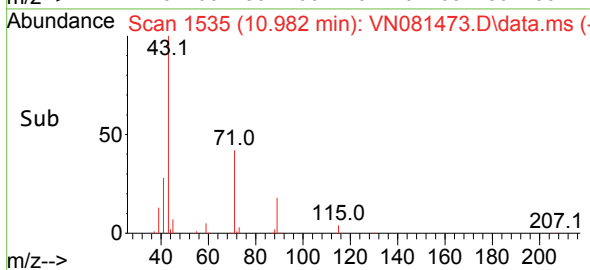
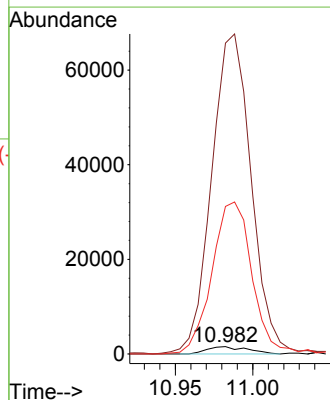
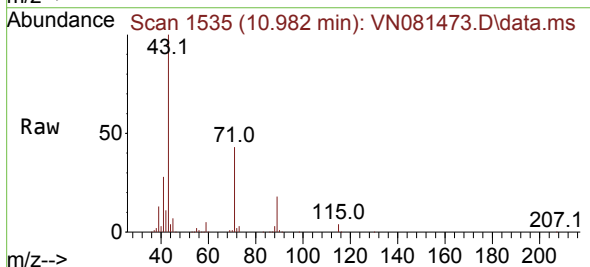
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159649TB

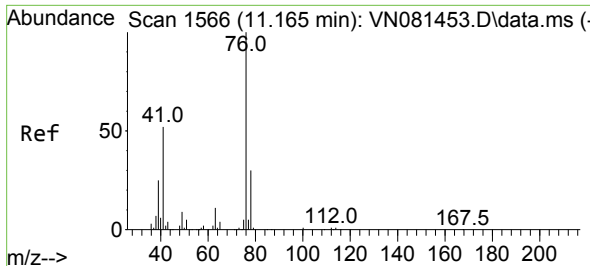
Tgt Ion: 75 Resp: 89172
 Ion Ratio Lower Upper
 75 100
 77 0.8 23.3 34.9#
 39 34.9 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.925 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN081473.D
 Acq: 19 Mar 2024 16:09

Tgt Ion: 69 Resp: 2829
 Ion Ratio Lower Upper
 69 100
 41 4266.8 61.0 91.6#
 39 2044.1 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.158 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN081473.D

Acq: 19 Mar 2024 16:09

Instrument :

MSVOA_N

ClientSampleId :

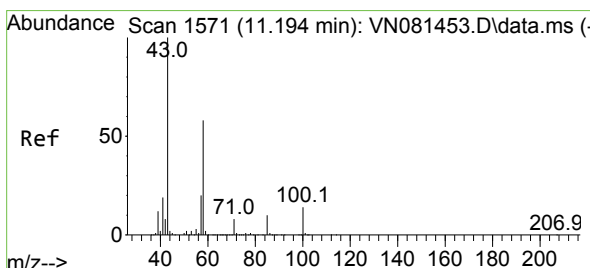
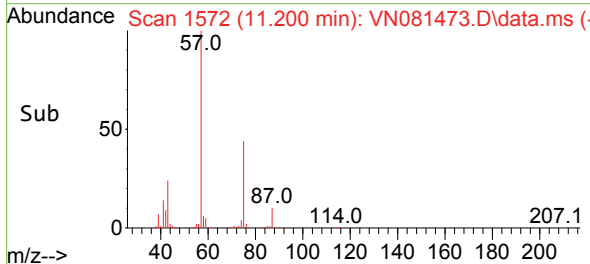
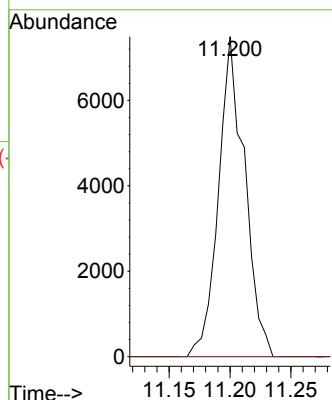
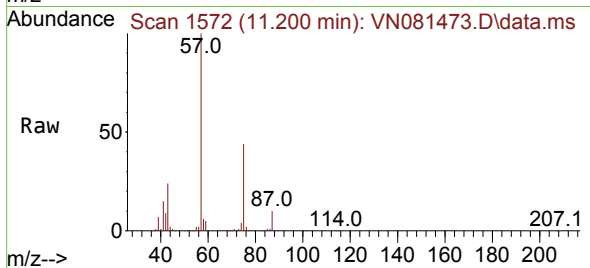
PB159649TB

Tgt Ion: 76 Resp: 11178

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 40.891 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN081473.D

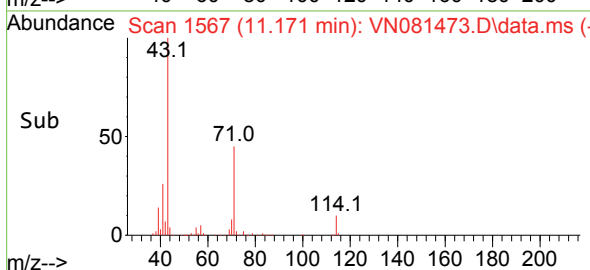
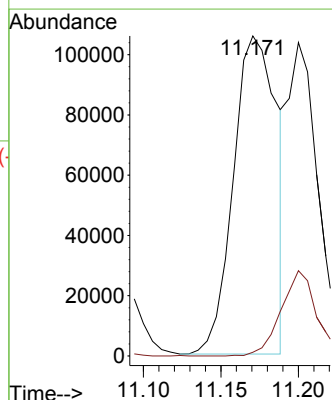
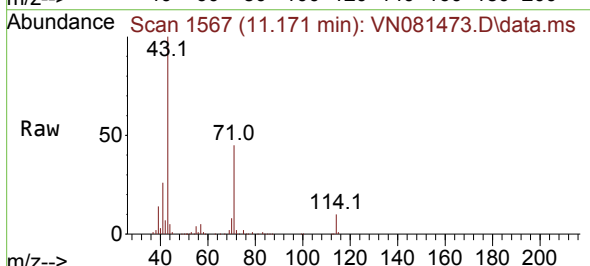
Acq: 19 Mar 2024 16:09

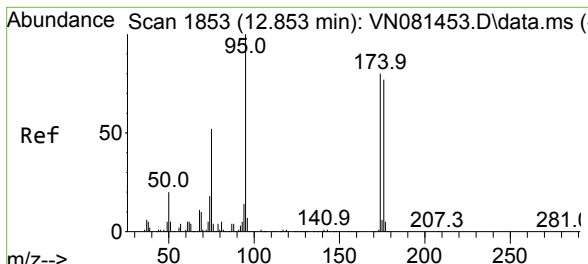
Tgt Ion: 43 Resp: 206110

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

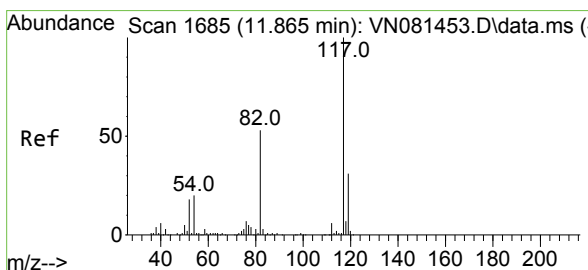
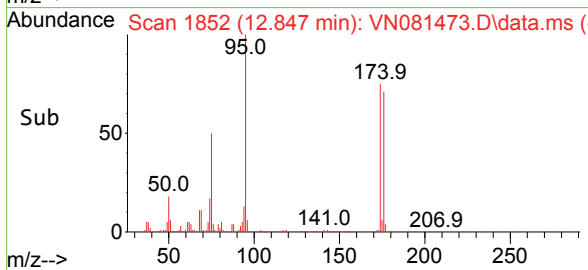
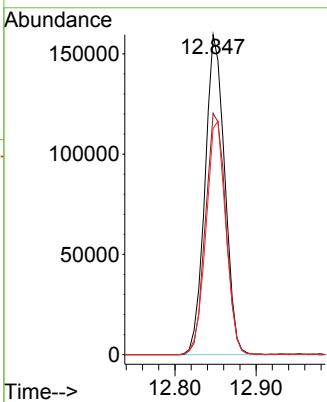
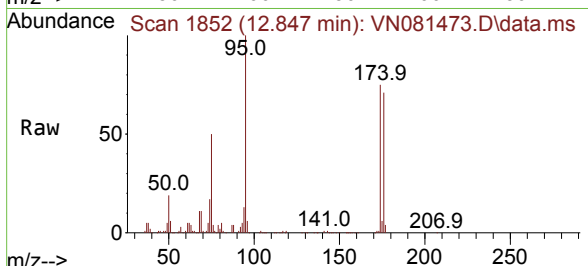




#62
4-Bromofluorobenzene
Concen: 45.250 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

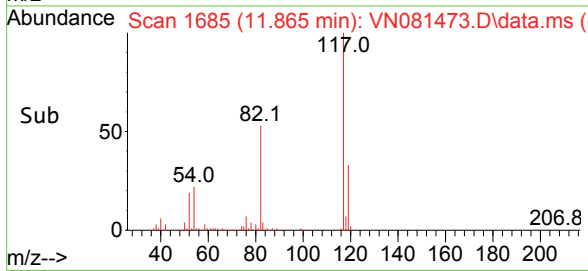
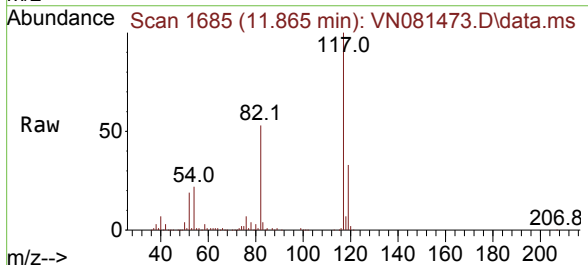
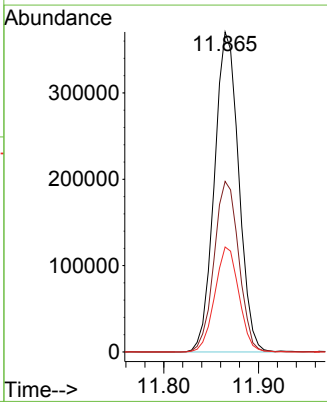
Instrument :
MSVOA_N
ClientSampleId :
PB159649TB

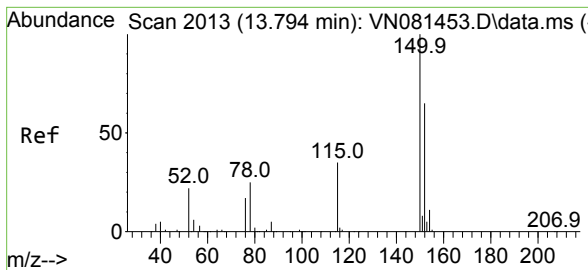
Tgt Ion:	95	Resp:	269587
Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	120.4
176	73.4	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Tgt Ion:	117	Resp:	661486
Ion	Ratio	Lower	Upper
117	100		
82	53.3	52.7	79.1
119	32.8	25.3	37.9

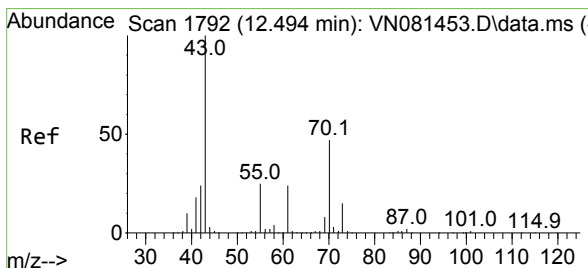
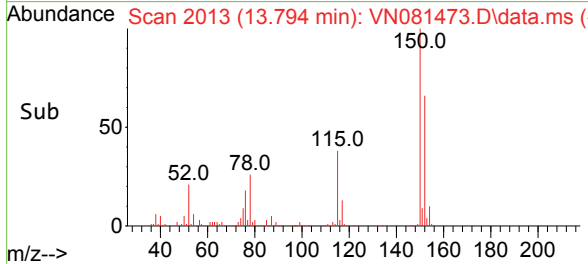
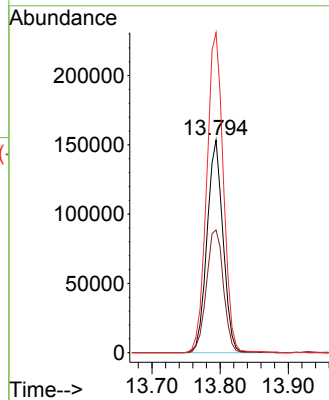
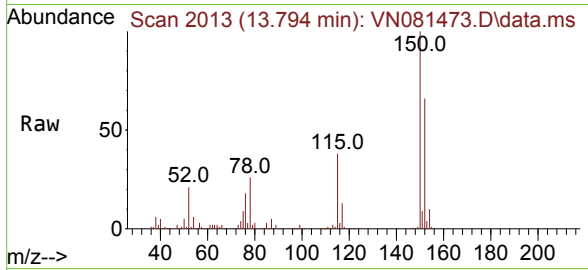




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

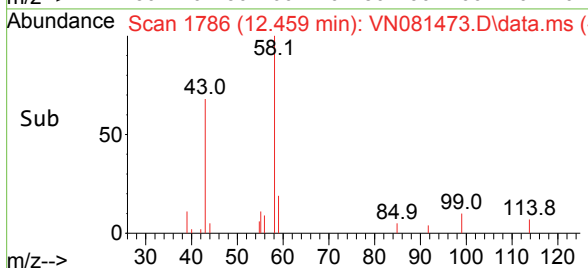
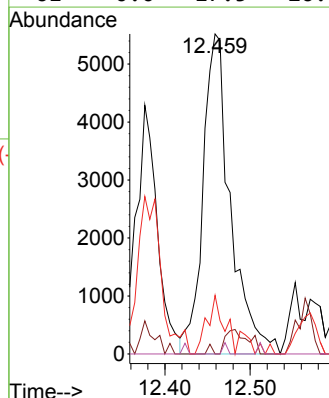
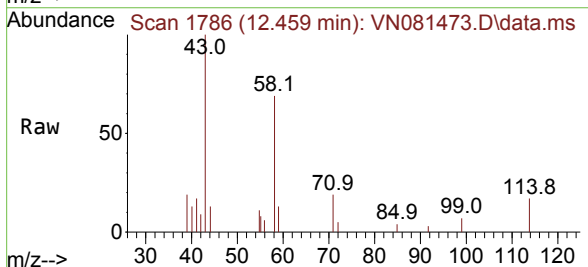
Instrument :
MSVOA_N
ClientSampleId :
PB159649TB

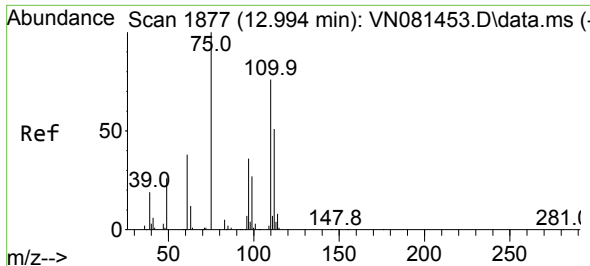
Tgt Ion:152 Resp: 250145
Ion Ratio Lower Upper
152 100
115 61.6 32.3 96.8
150 156.8 0.0 339.8



#74
N-ethyl acetate
Concen: 1.600 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Tgt Ion: 43 Resp: 12345
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 11.2 17.0 25.4#
61 0.0 17.5 26.3#

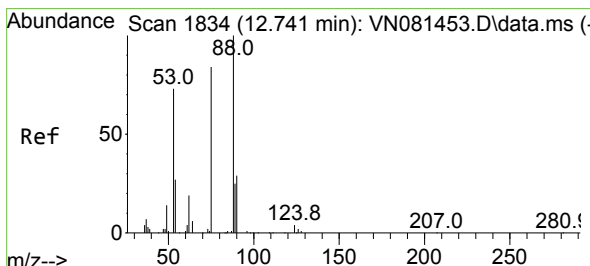
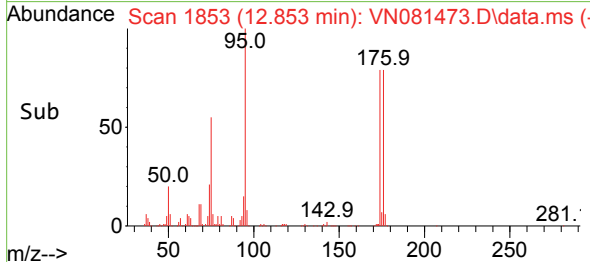
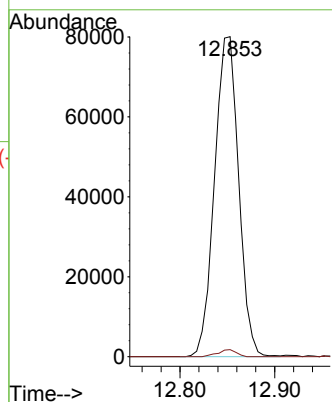
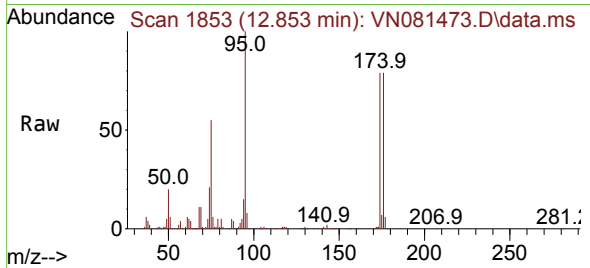




#76
1,2,3-Trichloropropane
Concen: 23.644 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Instrument :
MSVOA_N
ClientSampleId :
PB159649TB

Tgt Ion: 75 Resp: 141473
Ion Ratio Lower Upper
75 100
77 1.7 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.892 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081473.D
Acq: 19 Mar 2024 16:09

Tgt Ion: 75 Resp: 141473
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.1 33.4 50.0#

