

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081278.D
 Acq On : 01 Mar 2024 12:21
 Operator : JC\MD
 Sample : PB153949TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949TB

Quant Time: Mar 01 22:15:19 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

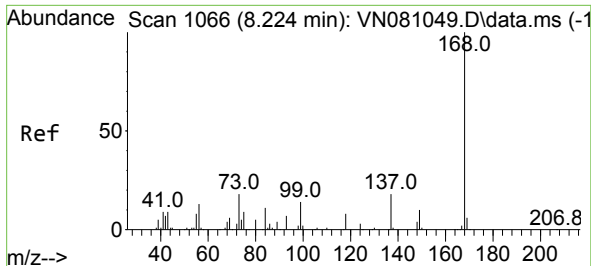
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	323827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	606793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	545342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	209332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	219879	55.396	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.800%			
35) Dibromofluoromethane	8.165	113	171703	50.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.080%			
50) Toluene-d8	10.565	98	687868	56.444	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.880%			
62) 4-Bromofluorobenzene	12.847	95	218163	47.642	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.280%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1048	Below Cal	#	80
5) Bromomethane	2.971	94	1310	0.396	ug/l #	40
6) Chloroethane	3.106	64	60	Below Cal	#	42
11) Tert butyl alcohol	5.512	59	850	1.164	ug/l #	72
13) Acrolein	4.189	56	333	0.851	ug/l #	59
16) Acetone	4.418	43	77601	49.687	ug/l #	86
18) Methyl Acetate	5.042	43	3341	0.877	ug/l #	65
20) Methylene Chloride	5.277	84	22958	4.843	ug/l	95
25) 2-Butanone	7.494	43	6884	2.728	ug/l #	77
29) Tetrahydrofuran	7.835	42	5023	2.982	ug/l #	81
31) Cyclohexane	8.224	56	9021	1.316	ug/l #	28
36) 1,1-Dichloropropene	8.224	75	29621	5.039	ug/l #	51
37) Ethyl Acetate	7.553	43	6235	1.175	ug/l #	76
38) Carbon Tetrachloride	8.224	117	38264	6.434	ug/l #	17
41) Methacrylonitrile	7.841	41	2597	0.860	ug/l #	48
42) 1,2-Dichloroethane	8.694	62	1739	0.293	ug/l #	75
43) Isopropyl Acetate	8.688	43	419681	45.231	ug/l #	78
48) Methyl methacrylate	9.741	41	184294	42.686	ug/l #	48
49) 1,4-Dioxane	9.724	88	80	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.441	43	12222	2.290	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	79749	11.309	ug/l #	60
56) Ethyl methacrylate	10.982	69	2974	0.470	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	10217	1.426	ug/l #	43
59) 2-Hexanone	11.171	43	197559	46.686	ug/l #	26
71) Bromoform	12.847	173	1114	0.414	ug/l #	1
74) N-amyl acetate	12.488	43	3171	0.410	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	119233	25.069	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	119233	64.526	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.400	180	904	0.218	ug/l	83

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

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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration

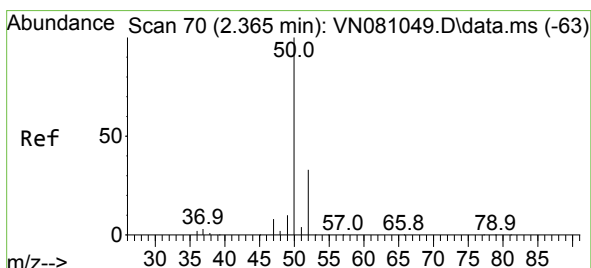
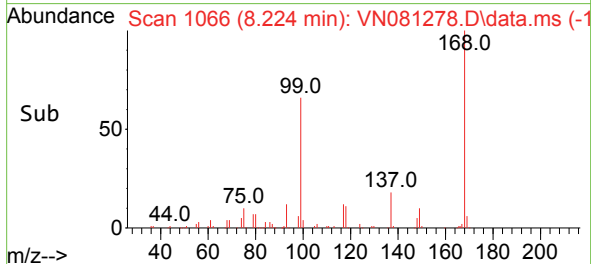
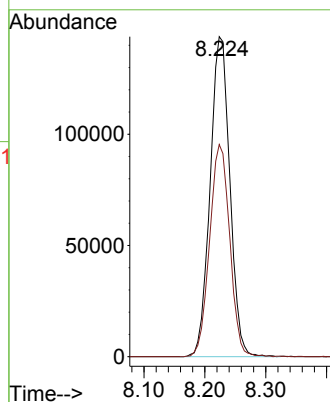
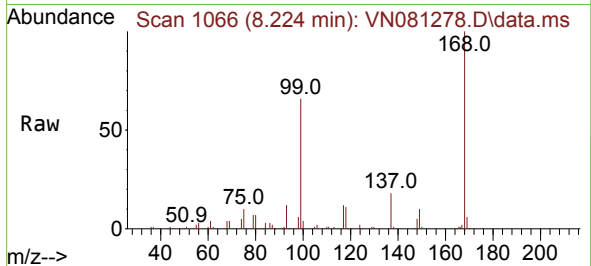




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

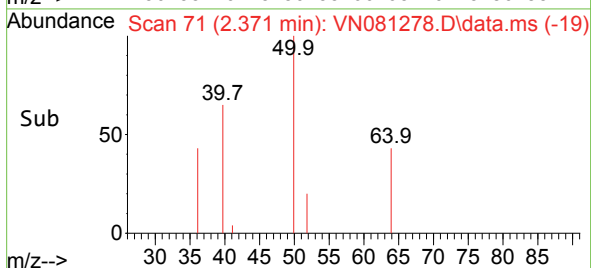
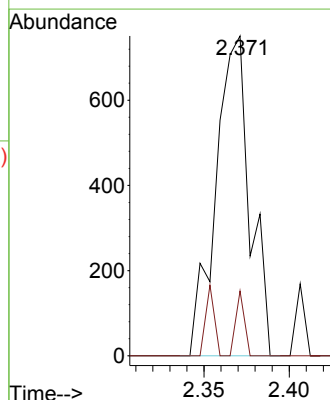
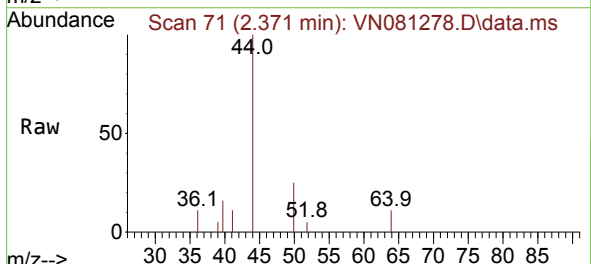
Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

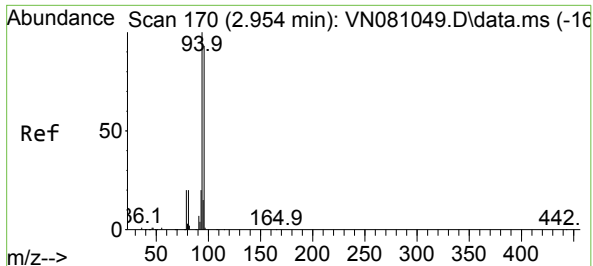
Tgt Ion:168 Resp: 323827
Ion Ratio Lower Upper
168 100
99 66.3 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Tgt Ion: 50 Resp: 1048
Ion Ratio Lower Upper
50 100
52 20.2 25.0 37.4#

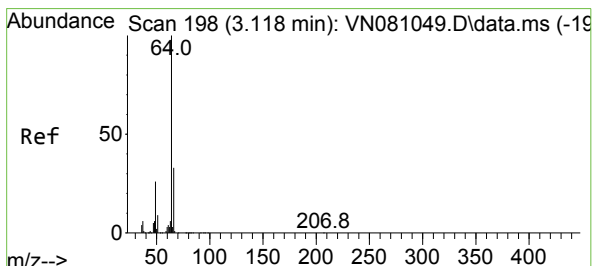
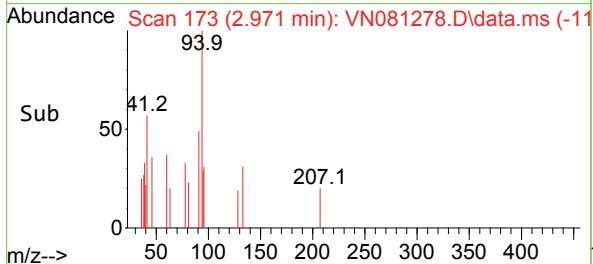
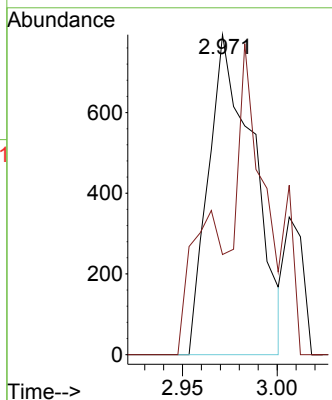
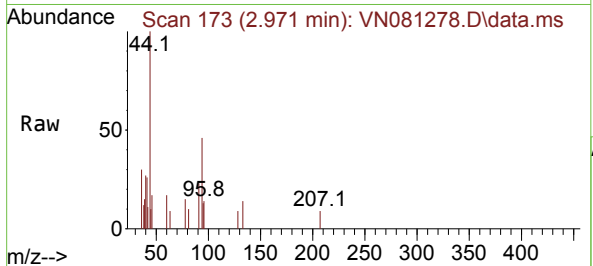




#5
Bromomethane
Concen: 0.396 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

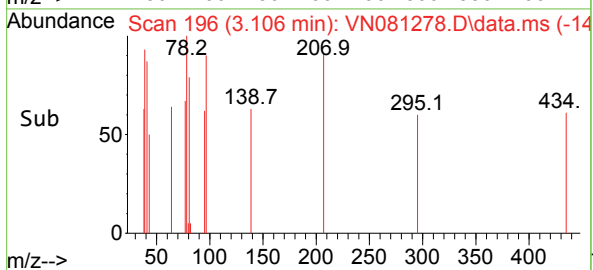
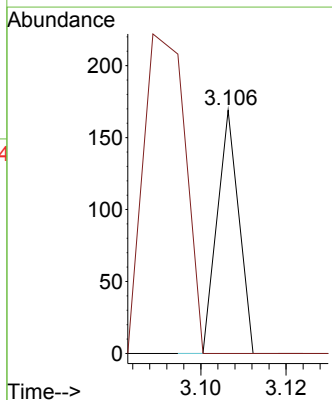
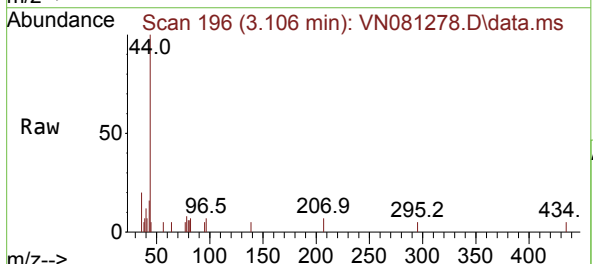
Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

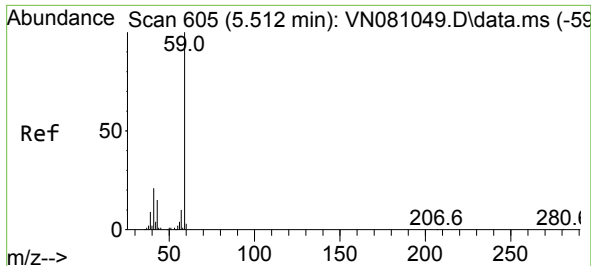
Tgt Ion: 94 Resp: 1310
Ion Ratio Lower Upper
94 100
96 31.3 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

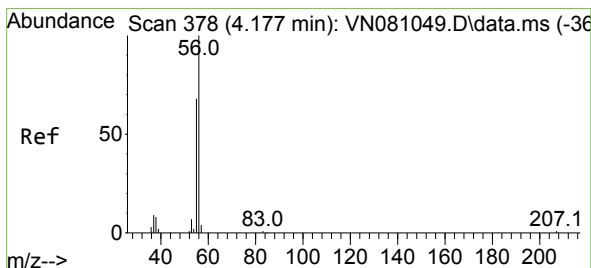
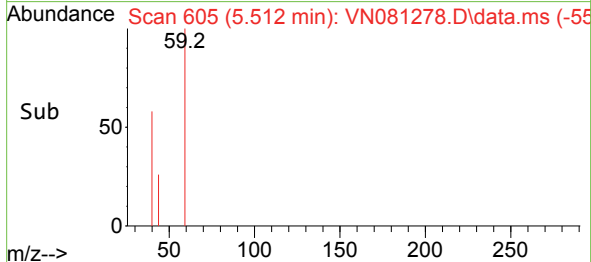
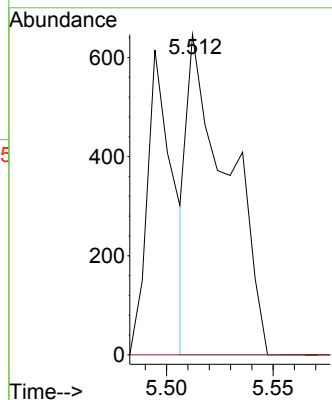
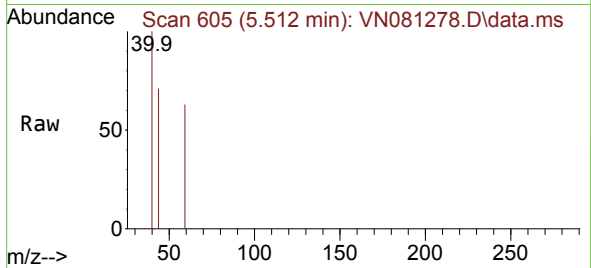




#11
Tert butyl alcohol
Concen: 1.164 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

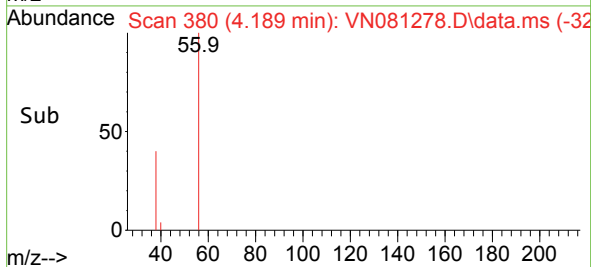
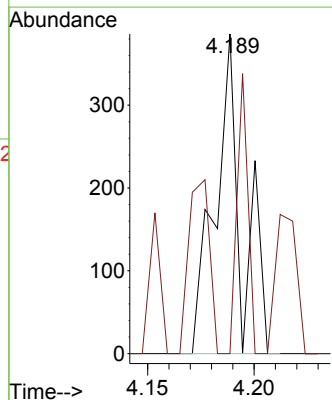
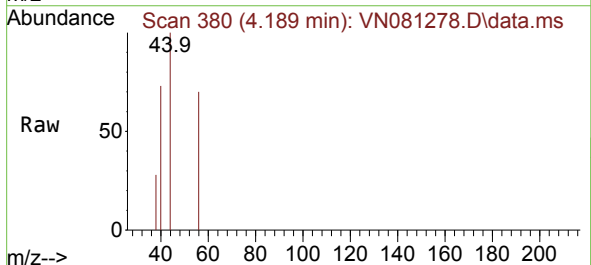
Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

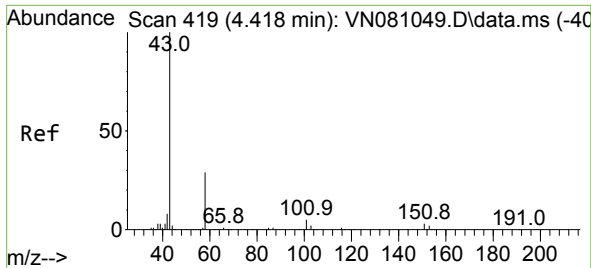
Tgt Ion: 59 Resp: 850
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.851 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

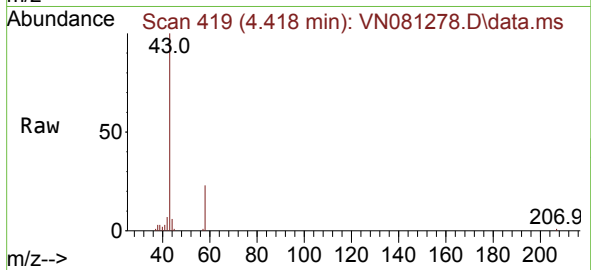
Tgt Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
55 35.7 55.3 82.9#



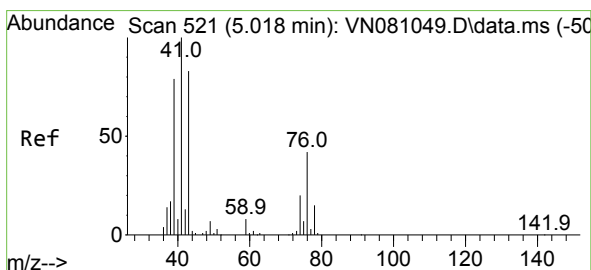
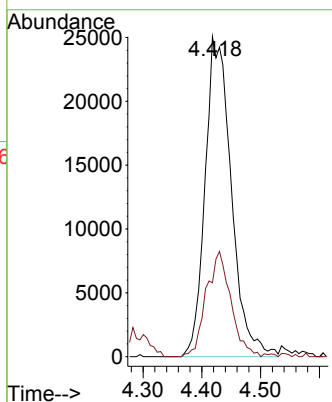
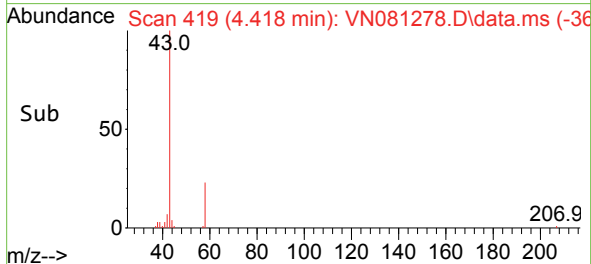


#16
Acetone
Concen: 49.687 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

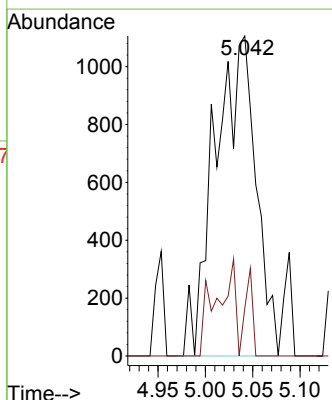
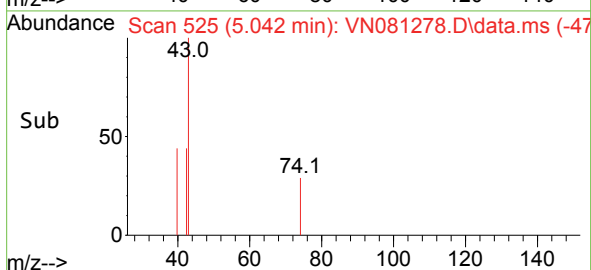
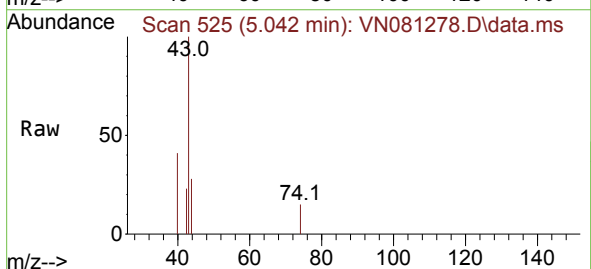


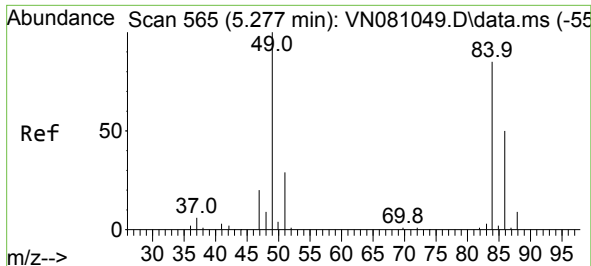
Tgt Ion: 43 Resp: 77601
Ion Ratio Lower Upper
43 100
58 23.1 24.8 37.2#



#18
Methyl Acetate
Concen: 0.877 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

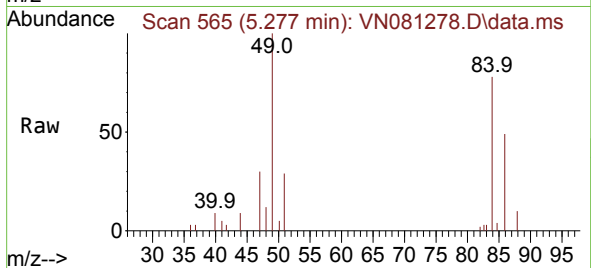
Tgt Ion: 43 Resp: 3341
Ion Ratio Lower Upper
43 100
74 4.9 17.3 25.9#



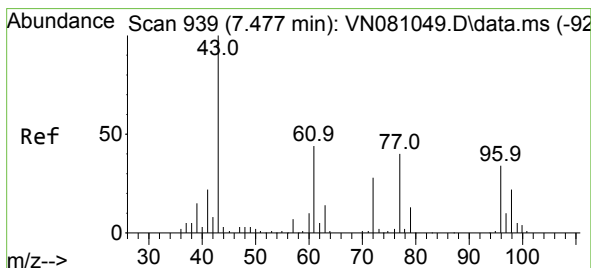
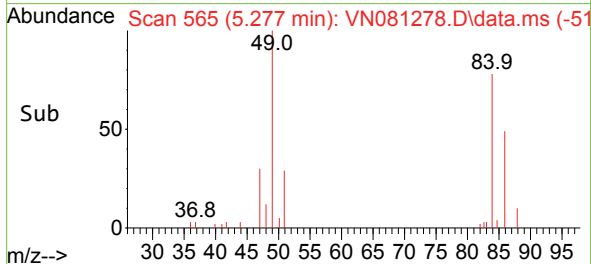
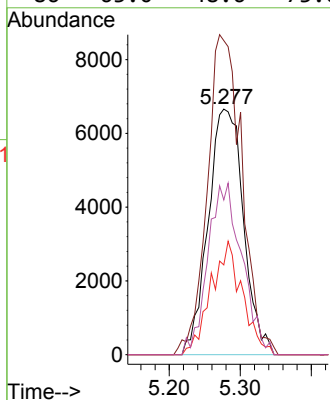


#20
Methylene Chloride
Concen: 4.843 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

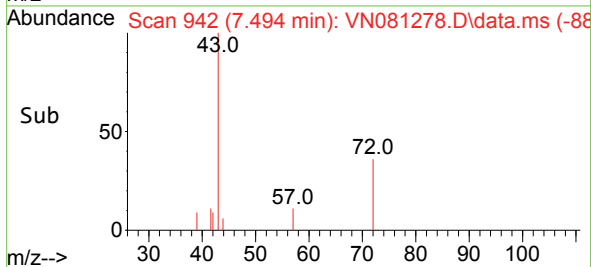
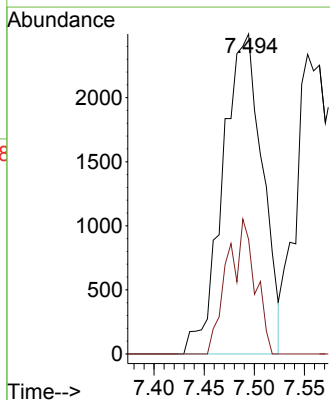
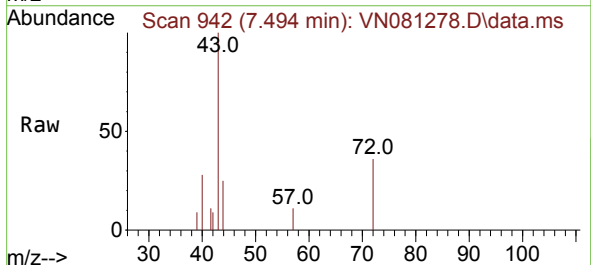


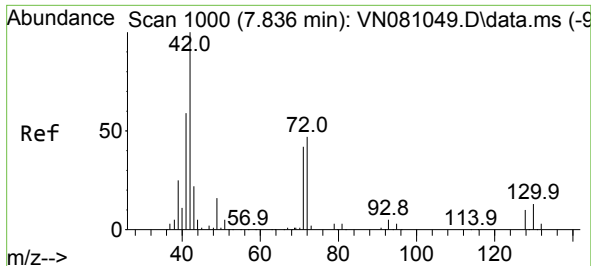
Tgt Ion	84	Resp:	22958
Ion	Ratio	Lower	Upper
84	100		
49	127.9	108.1	162.1
51	36.5	32.9	49.3
86	63.0	48.6	73.0



#25
2-Butanone
Concen: 2.728 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Tgt Ion	43	Resp:	6884
Ion	Ratio	Lower	Upper
43	100		
72	35.8	19.5	29.3#





#29

Tetrahydrofuran

Concen: 2.982 ug/l

RT: 7.835 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN081278.D

Acq: 01 Mar 2024 12:21

Instrument :

MSVOA_N

ClientSampleId :

PB153949TB

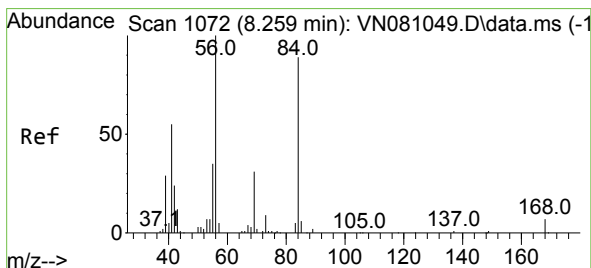
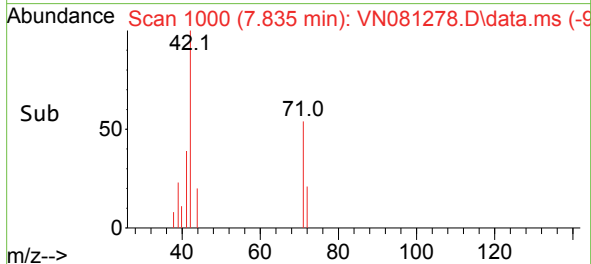
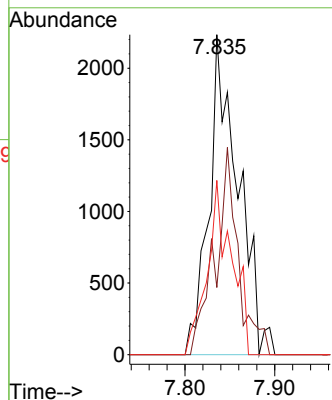
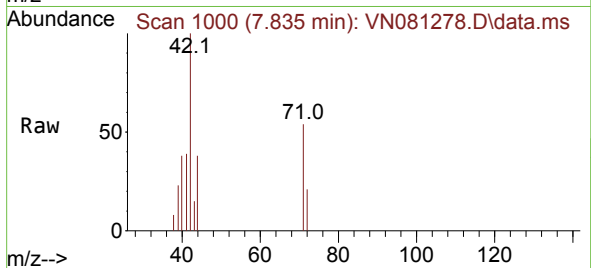
Tgt Ion: 42 Resp: 5023

Ion Ratio Lower Upper

42 100

72 51.6 31.1 46.7#

71 45.8 28.3 42.5#



#31

Cyclohexane

Concen: 1.316 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081278.D

Acq: 01 Mar 2024 12:21

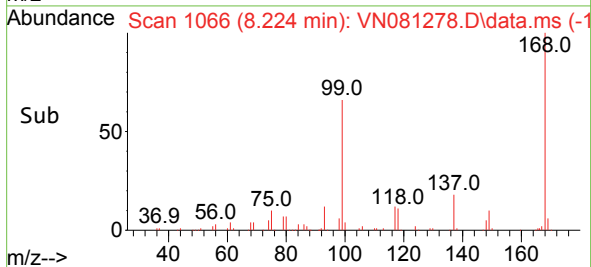
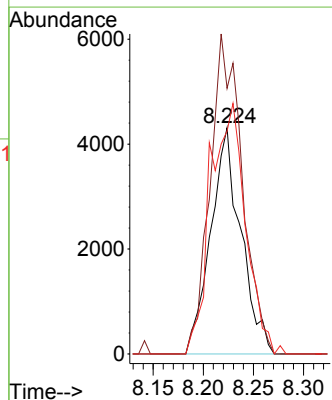
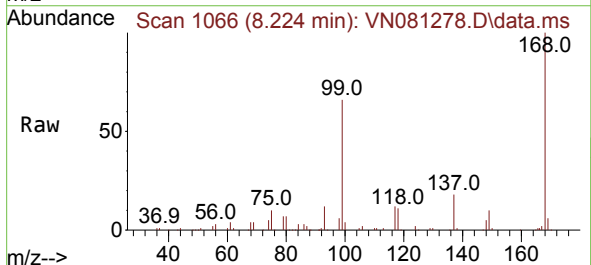
Tgt Ion: 56 Resp: 9021

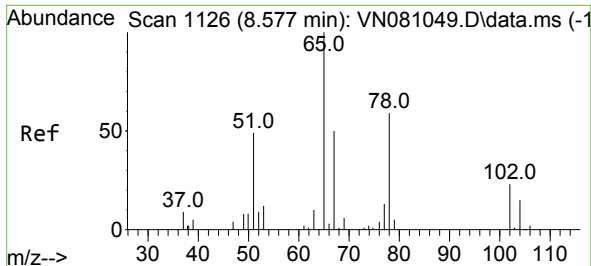
Ion Ratio Lower Upper

56 100

69 117.4 20.1 30.1#

84 98.5 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 55.396 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081278.D

Acq: 01 Mar 2024 12:21

Instrument :

MSVOA_N

ClientSampleId :

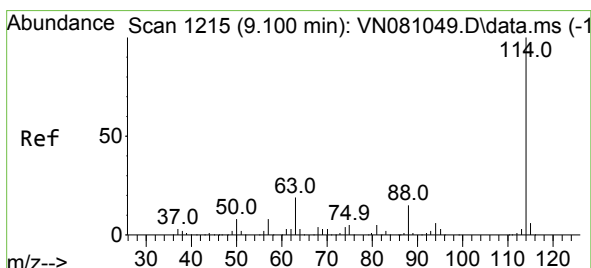
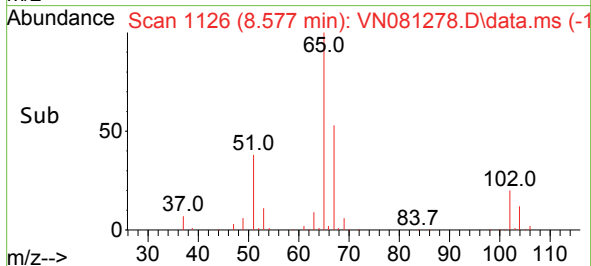
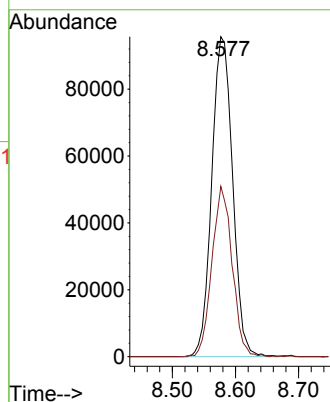
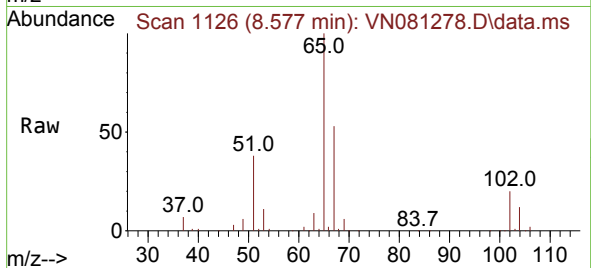
PB153949TB

Tgt Ion: 65 Resp: 219879

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081278.D

Acq: 01 Mar 2024 12:21

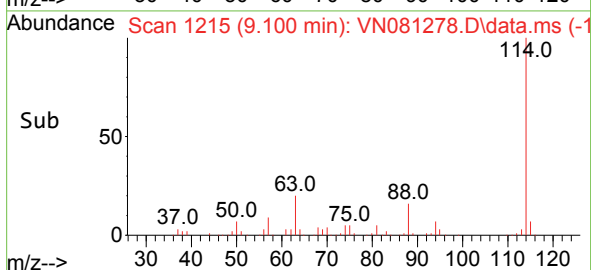
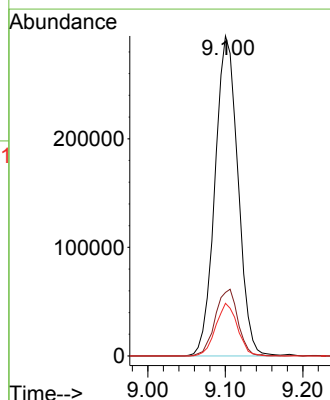
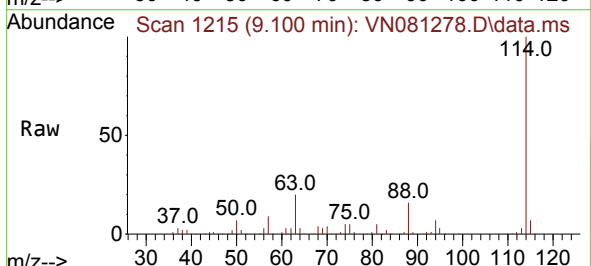
Tgt Ion: 114 Resp: 606793

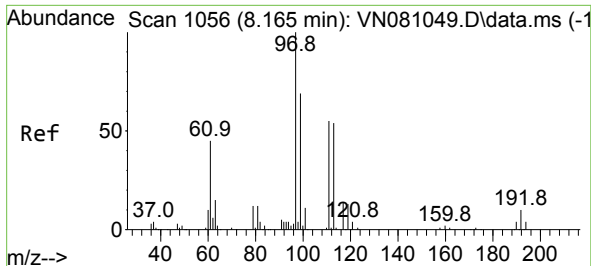
Ion Ratio Lower Upper

114 100

63 19.9 0.0 48.0

88 16.5 0.0 34.8

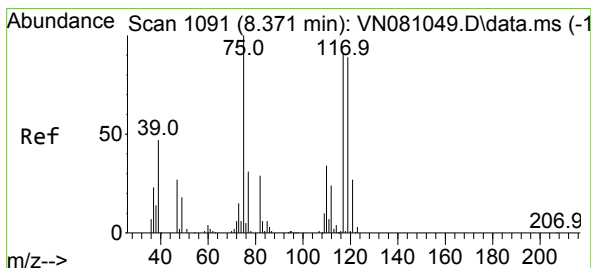
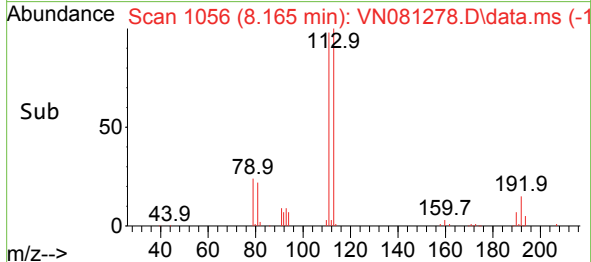
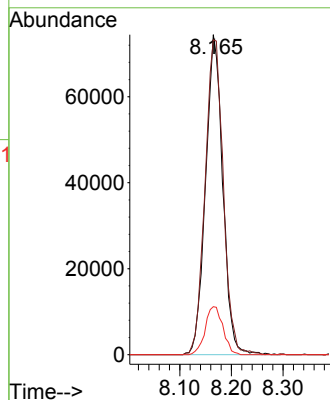
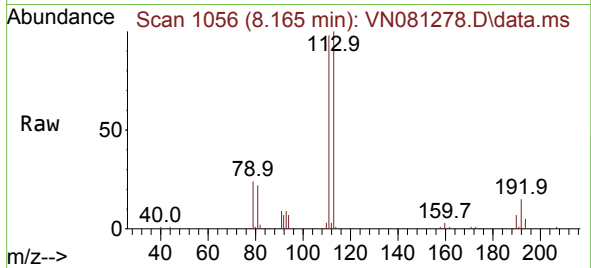




#35
Dibromofluoromethane
Concen: 50.041 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

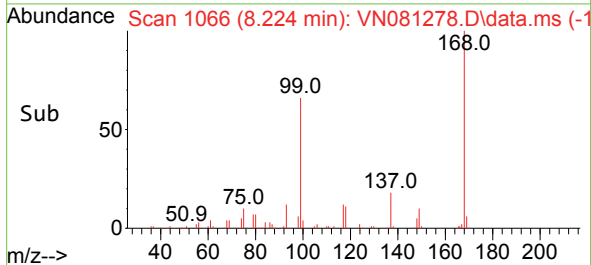
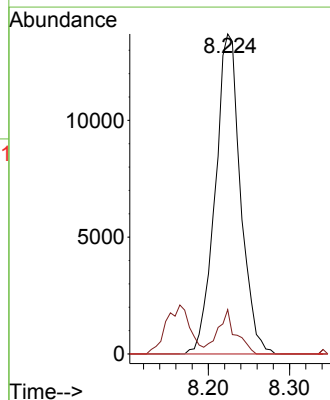
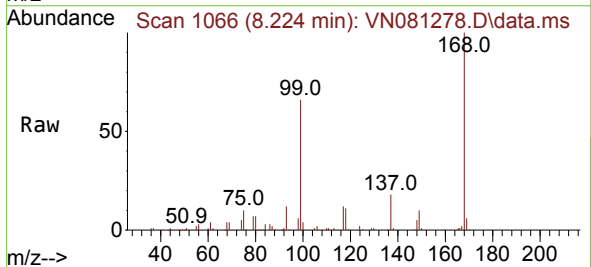
Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

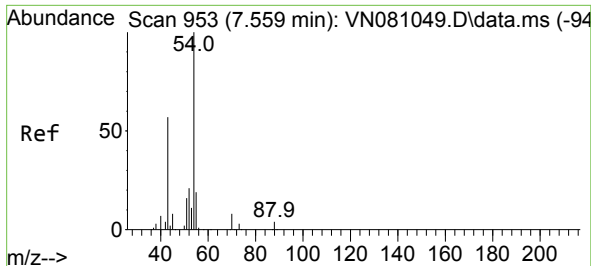
Tgt Ion:113 Resp: 171703
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.4
192 15.5 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.039 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Tgt Ion: 75 Resp: 29621
Ion Ratio Lower Upper
75 100
110 9.9 16.0 48.0#
77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 1.175 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN081278.D

Acq: 01 Mar 2024 12:21

Instrument :

MSVOA_N

ClientSampleId :

PB153949TB

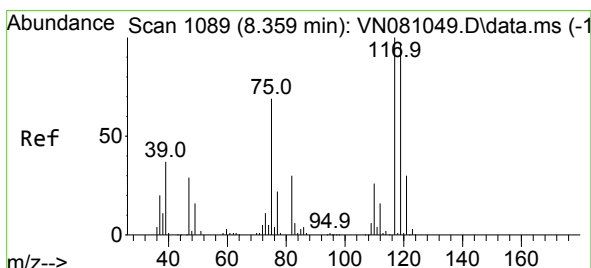
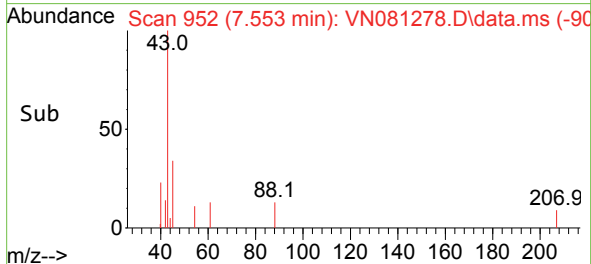
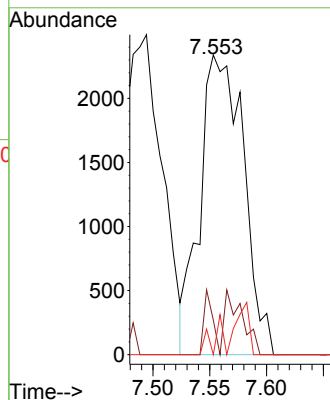
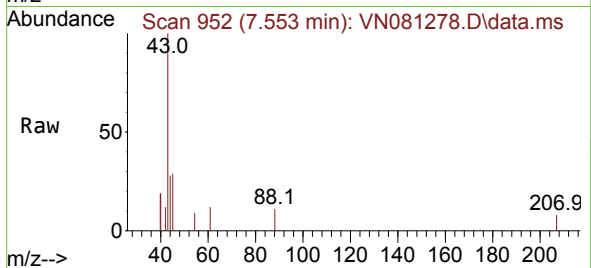
Tgt Ion: 43 Resp: 6235

Ion Ratio Lower Upper

43 100

61 4.4 10.6 15.8#

70 0.0 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 6.434 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081278.D

Acq: 01 Mar 2024 12:21

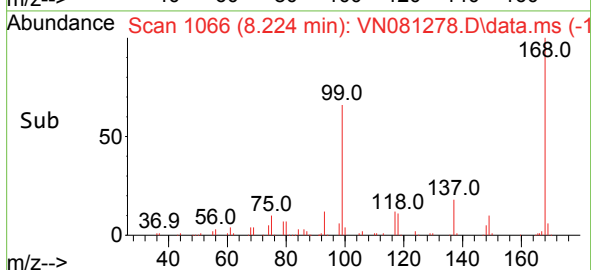
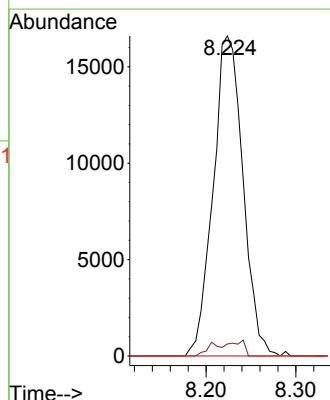
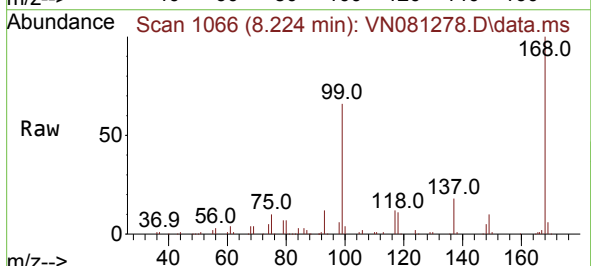
Tgt Ion: 117 Resp: 38264

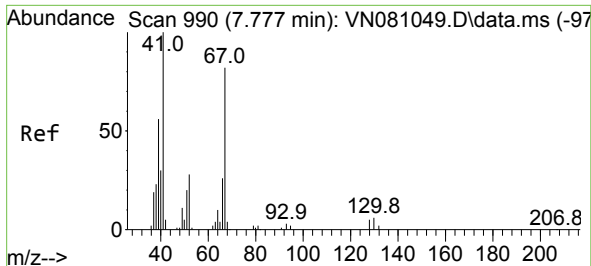
Ion Ratio Lower Upper

117 100

119 3.8 73.4 110.2#

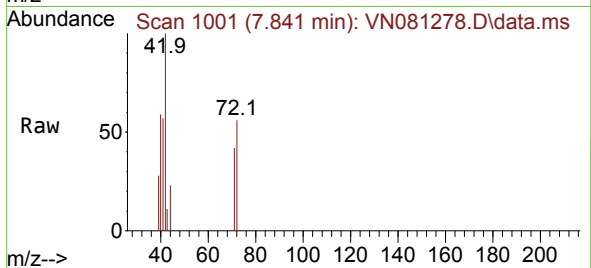
121 0.0 24.4 36.6#



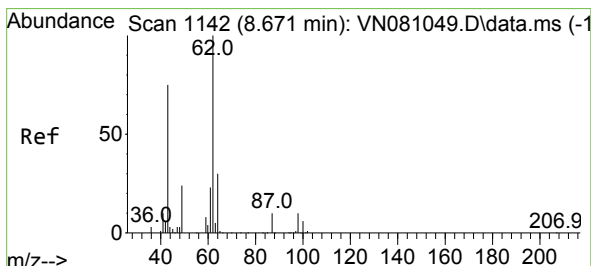
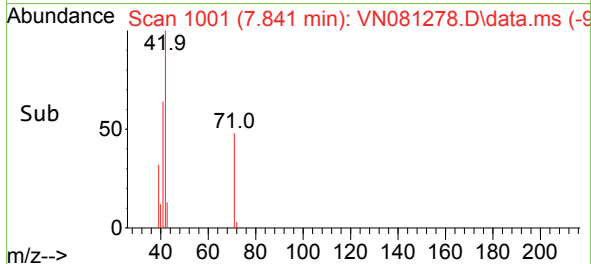
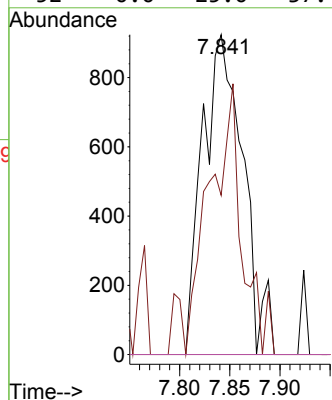


#41
Methacrylonitrile
Concen: 0.860 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

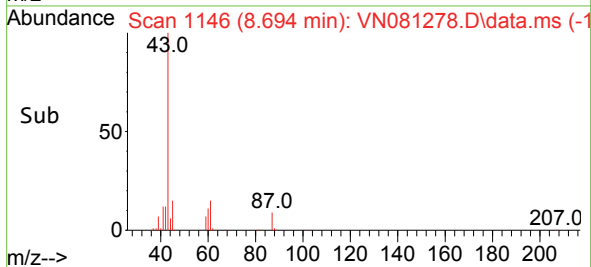
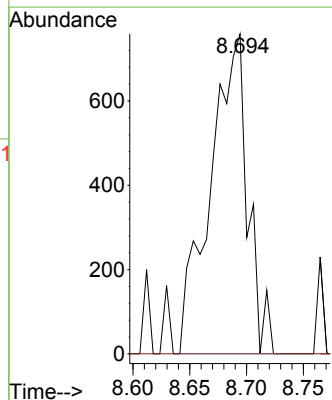
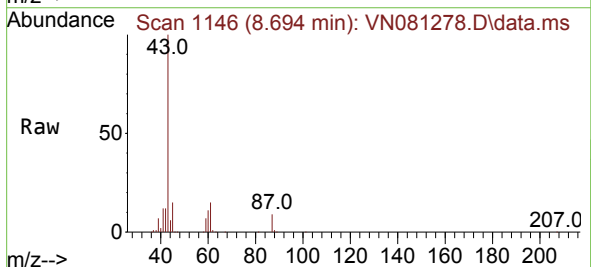


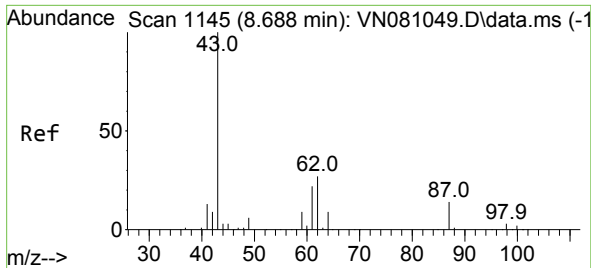
Tgt Ion:	41	Resp:	2597
Ion	Ratio	Lower	Upper
41	100		
39	67.5	48.4	72.6
67	0.0	56.8	85.2#
52	0.0	25.0	37.4#



#42
1,2-Dichloroethane
Concen: 0.293 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.023 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Tgt Ion:	62	Resp:	1739
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.0

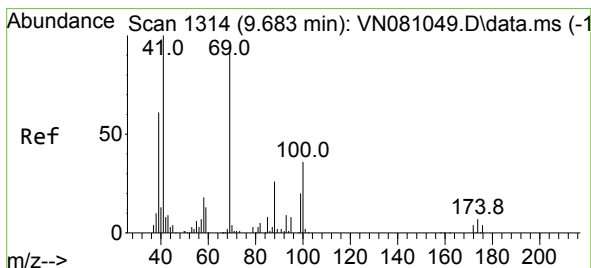
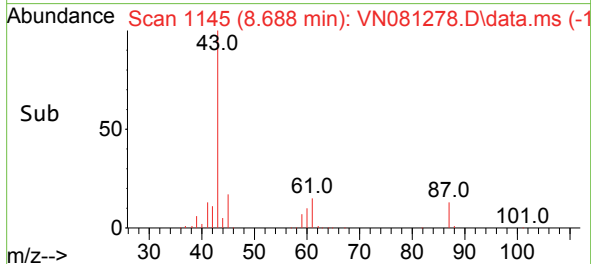
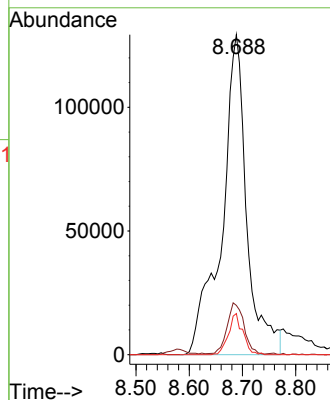
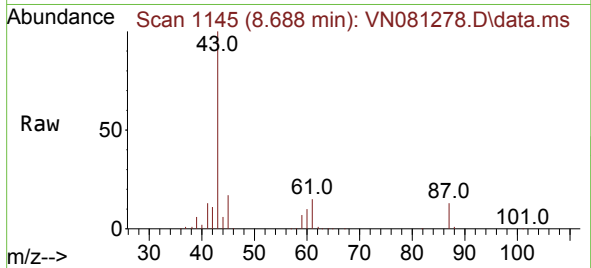




#43
Isopropyl Acetate
Concen: 45.231 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

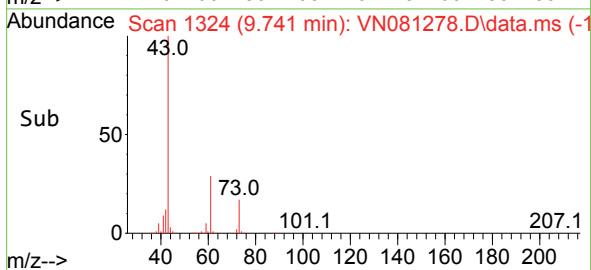
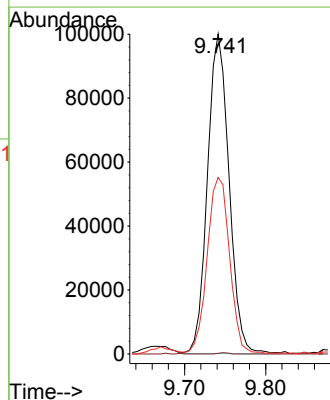
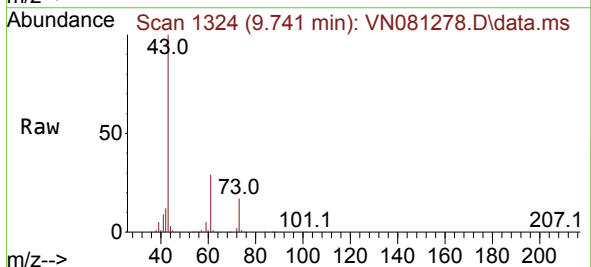
Instrument : MSVOA_N
ClientSampleId : PB153949TB

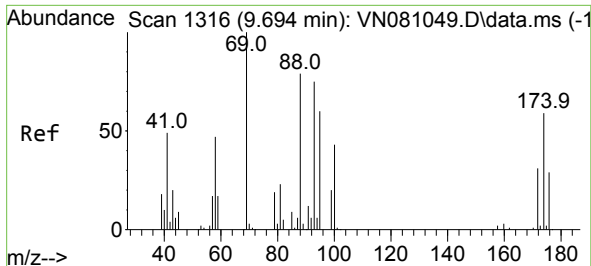
Tgt Ion: 43 Resp: 419681
Ion Ratio Lower Upper
43 100
61 10.9 19.9 29.9#
87 7.4 9.0 13.6#



#48
Methyl methacrylate
Concen: 42.686 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Tgt Ion: 41 Resp: 184294
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.2#
39 57.8 47.6 71.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.724 min Scan# 11

Delta R.T. 0.030 min

Lab File: VN081278.D

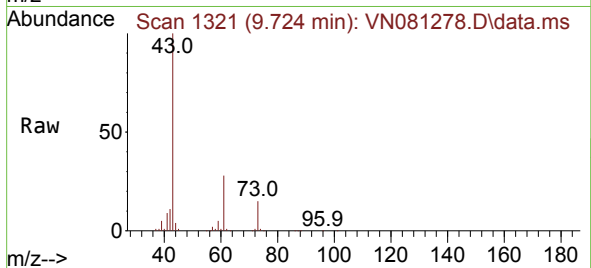
Acq: 01 Mar 2024 12:21

Instrument :

MSVOA_N

ClientSampleId :

PB153949TB



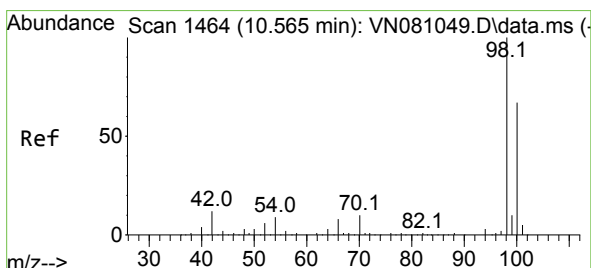
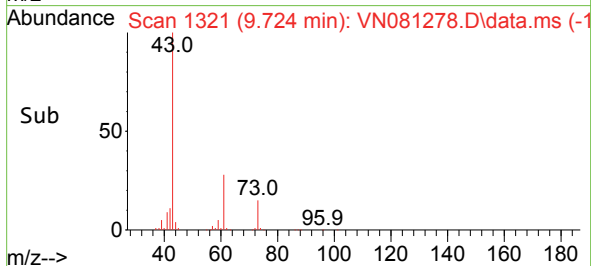
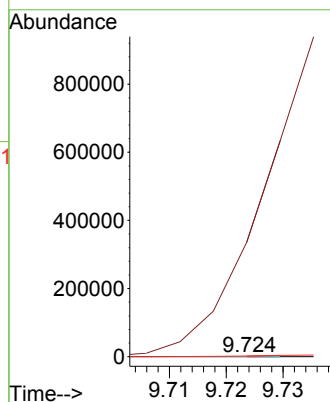
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 56.444 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN081278.D

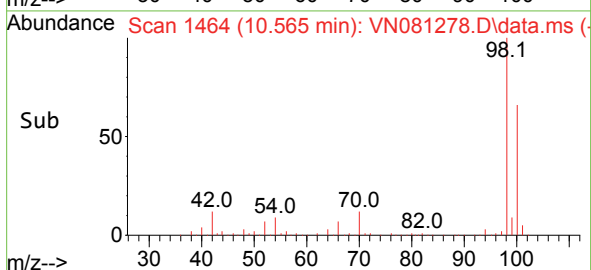
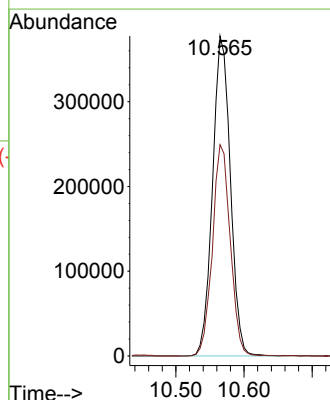
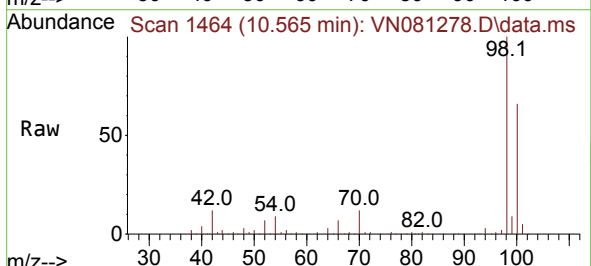
Acq: 01 Mar 2024 12:21

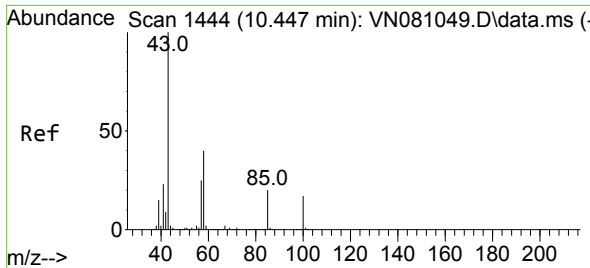
Tgt Ion: 98 Resp: 687868

Ion Ratio Lower Upper

98 100

100 66.0 51.4 77.0

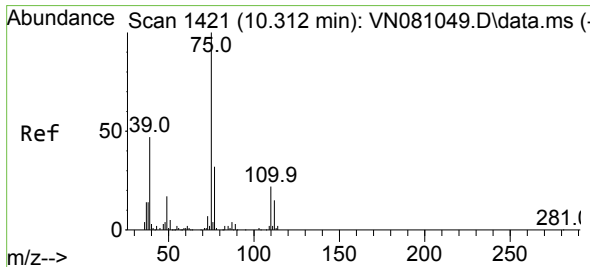
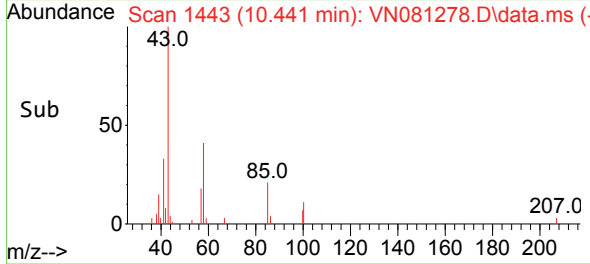
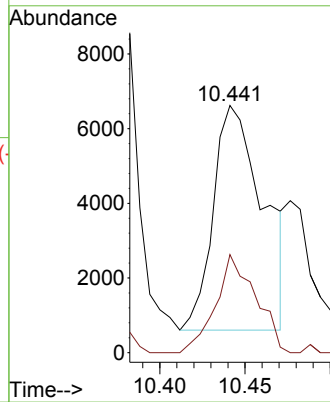
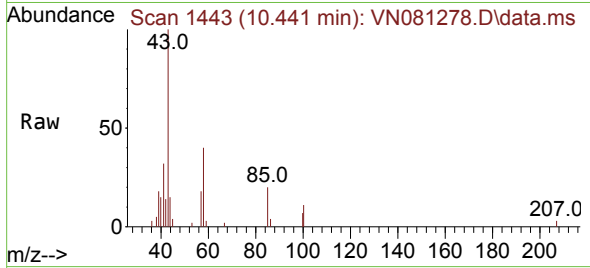




#51
4-Methyl-2-Pentanone
Concen: 2.290 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

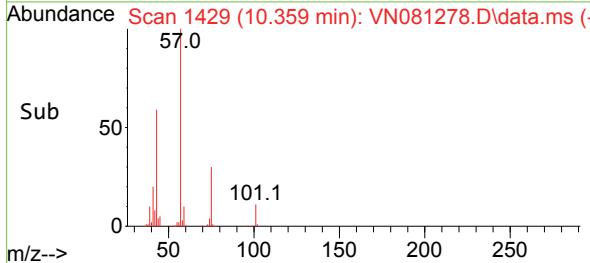
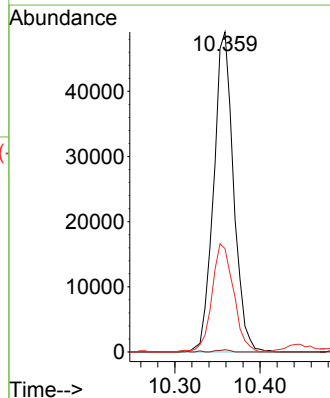
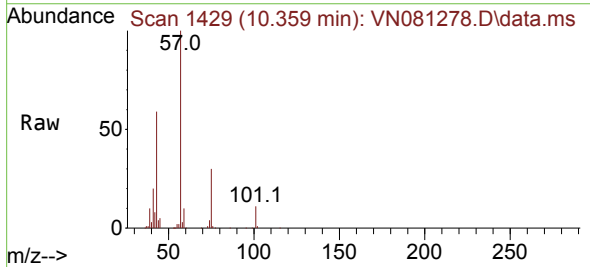
Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

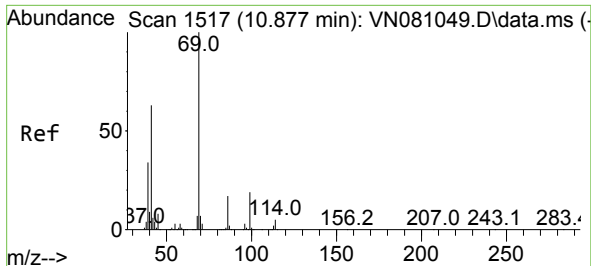
Tgt Ion: 43 Resp: 12222
Ion Ratio Lower Upper
43 100
58 35.2 29.4 44.0



#54
cis-1,3-Dichloropropene
Concen: 11.309 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Tgt Ion: 75 Resp: 79749
Ion Ratio Lower Upper
75 100
77 0.7 23.3 34.9#
39 31.9 44.6 66.8#

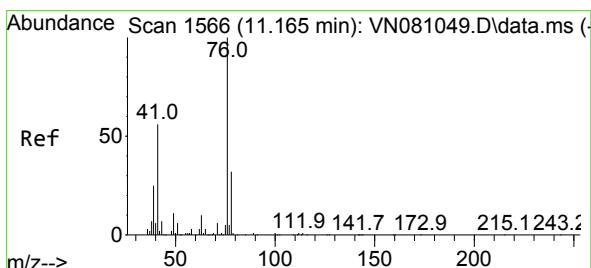
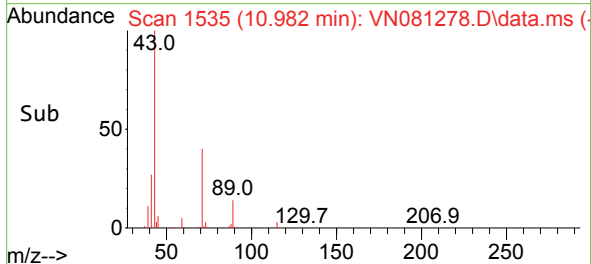
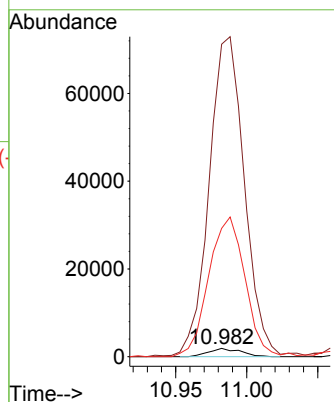
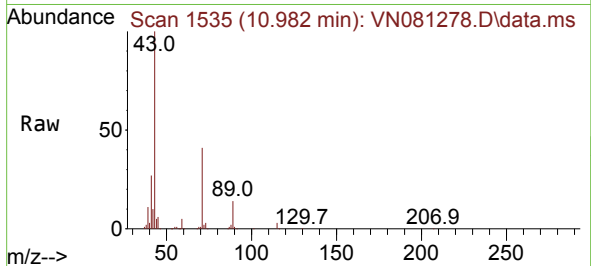




#56
Ethyl methacrylate
Concen: 0.470 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

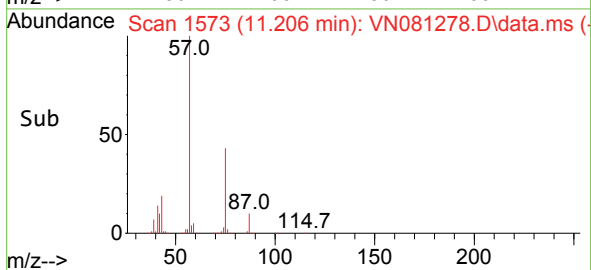
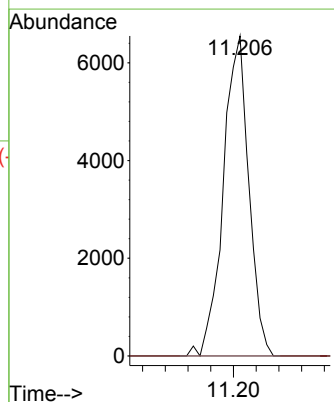
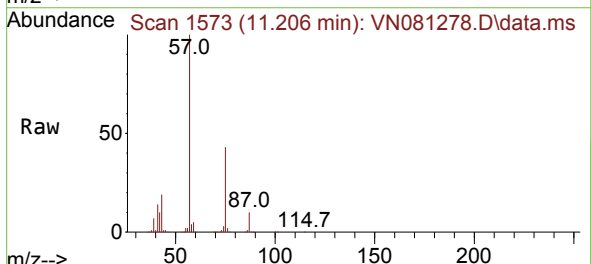
Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

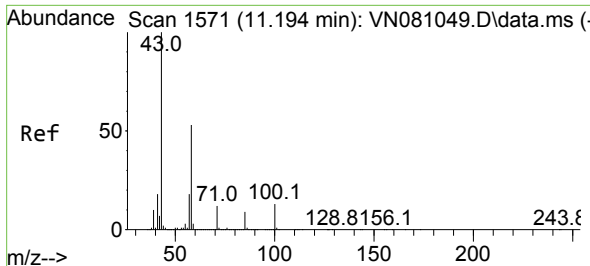
Tgt Ion: 69 Resp: 2974
Ion Ratio Lower Upper
69 100
41 4254.6 61.0 91.6#
39 1916.1 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.426 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Tgt Ion: 76 Resp: 10217
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

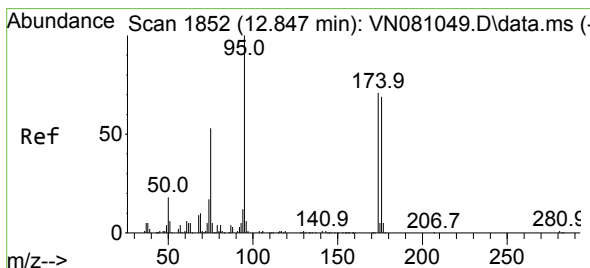
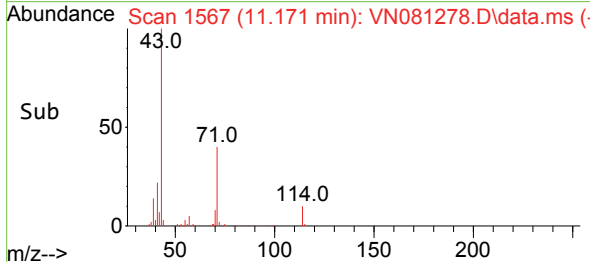
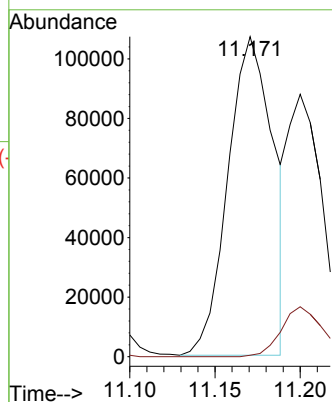
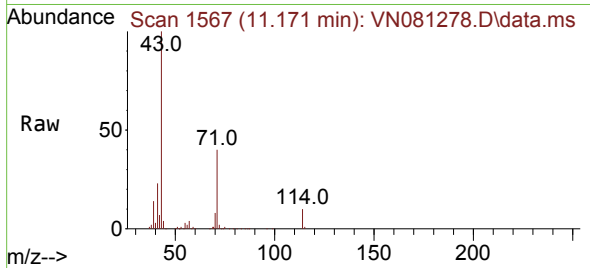




#59
2-Hexanone
Concen: 46.686 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

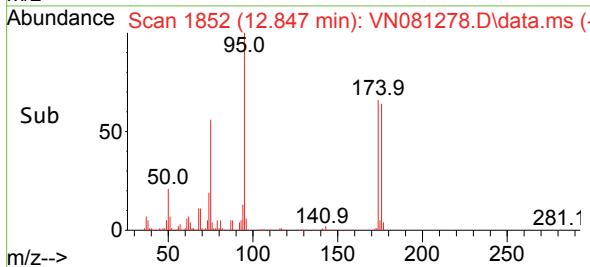
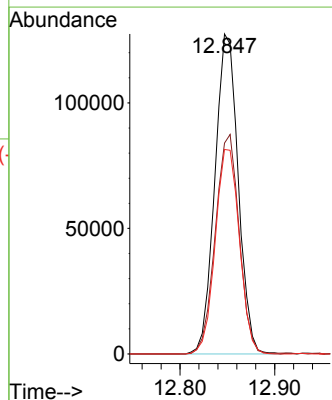
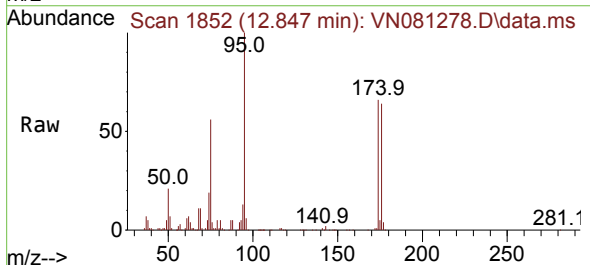
Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

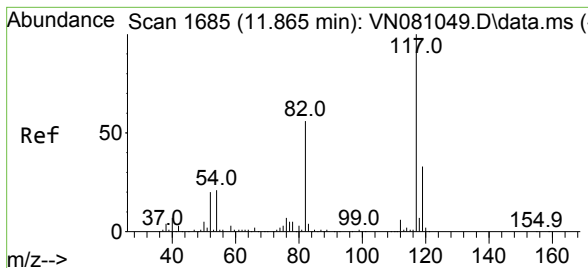
Tgt Ion: 43 Resp: 197559
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.642 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Tgt Ion: 95 Resp: 218163
Ion Ratio Lower Upper
95 100
174 70.2 0.0 120.4
176 66.3 0.0 121.0

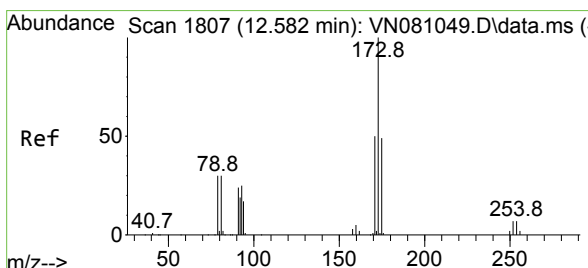
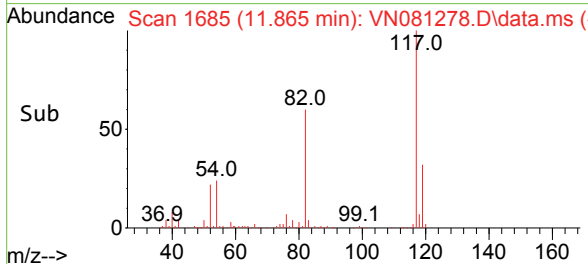
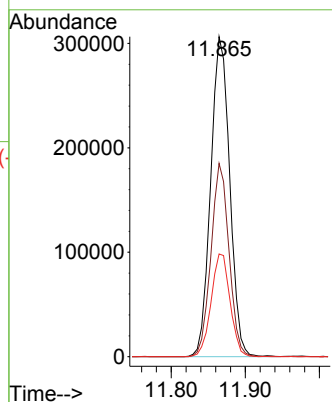
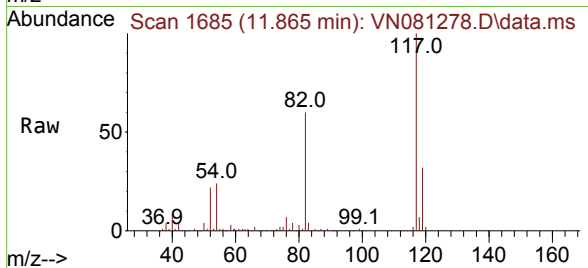




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

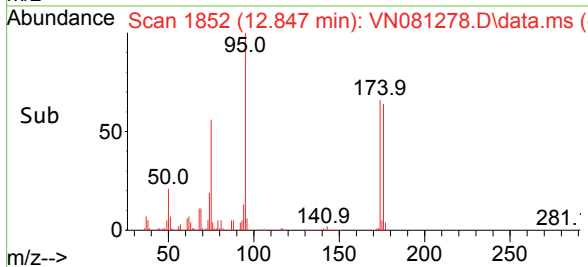
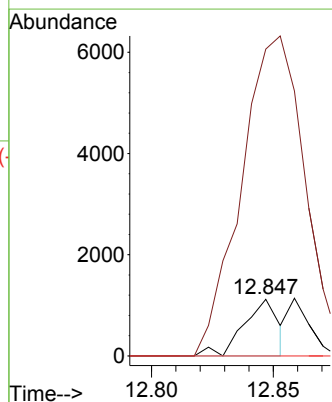
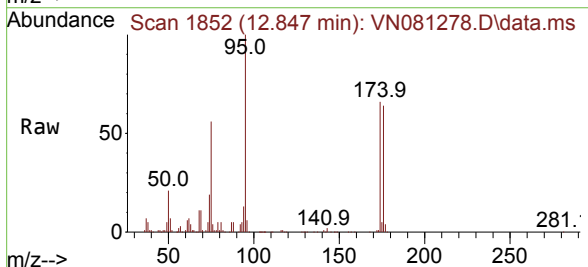
Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

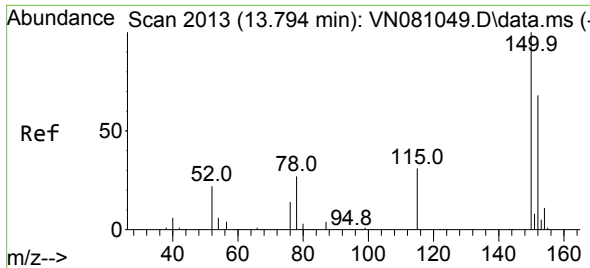
Tgt Ion:117 Resp: 545342
Ion Ratio Lower Upper
117 100
82 60.4 52.7 79.1
119 32.1 25.3 37.9



#71
Bromoform
Concen: 0.414 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Tgt Ion:173 Resp: 1114
Ion Ratio Lower Upper
173 100
175 877.7 23.1 69.2#
254 0.0 0.0 0.0

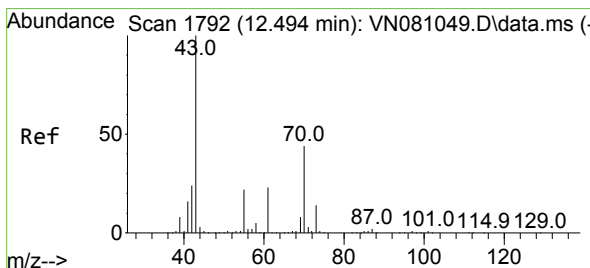
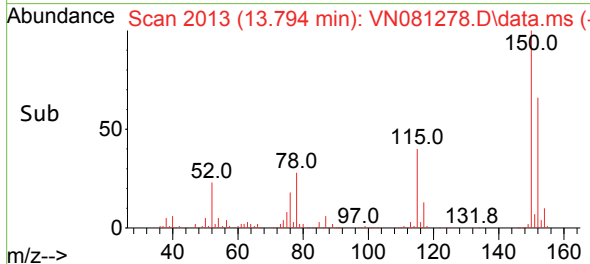
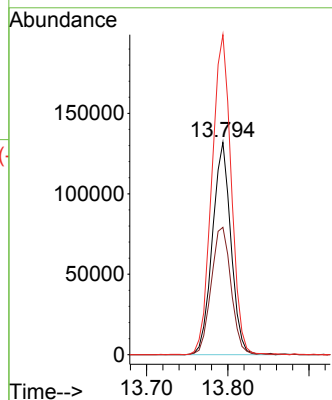
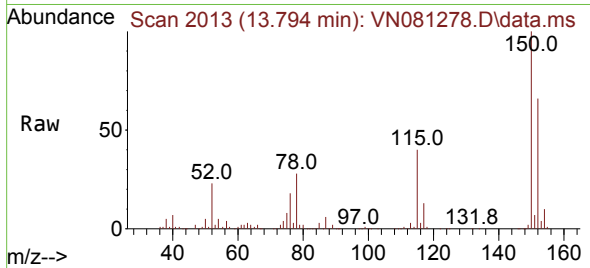




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

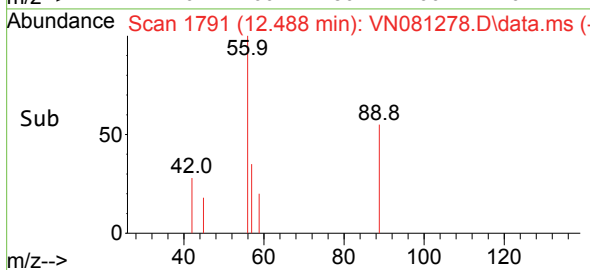
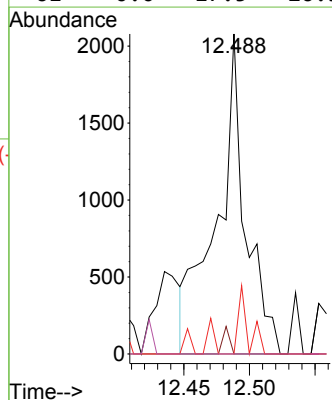
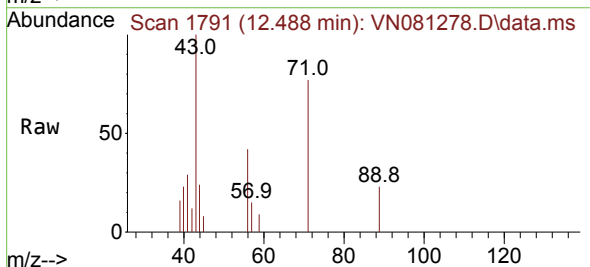
Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

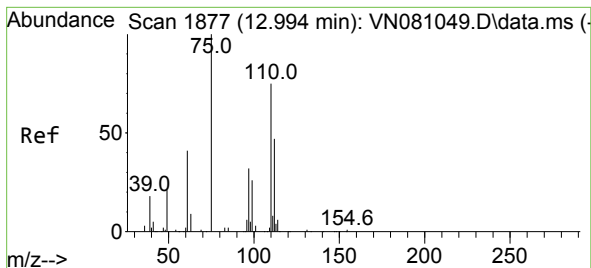
Tgt Ion:152 Resp: 209332
Ion Ratio Lower Upper
152 100
115 64.3 32.3 96.8
150 157.2 0.0 339.8



#74
N-ethyl acetate
Concen: 0.410 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

Tgt Ion: 43 Resp: 3171
Ion Ratio Lower Upper
43 100
70 2.0 30.1 45.1#
55 7.3 17.0 25.4#
61 0.0 17.5 26.3#

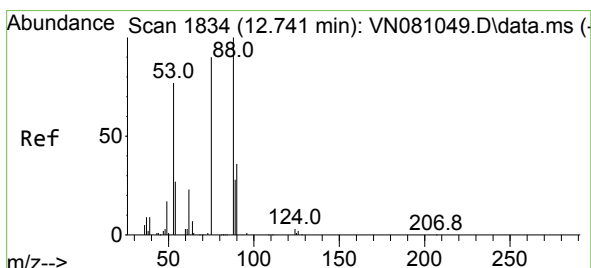
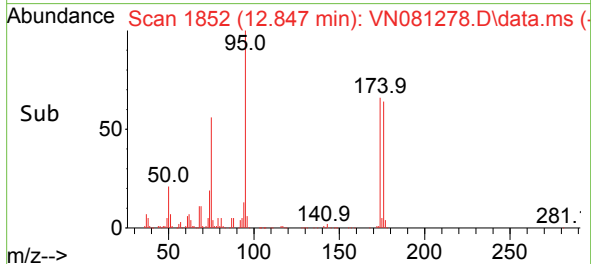
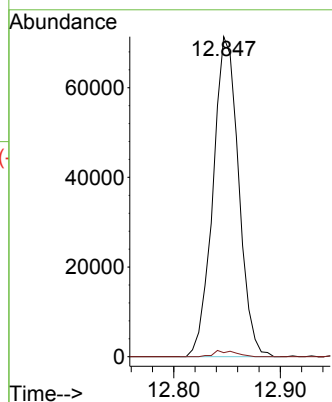
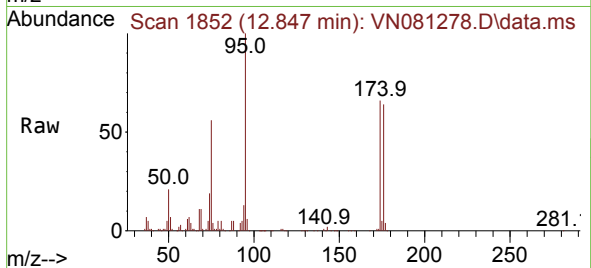




#76
1,2,3-Trichloropropane
Concen: 25.069 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

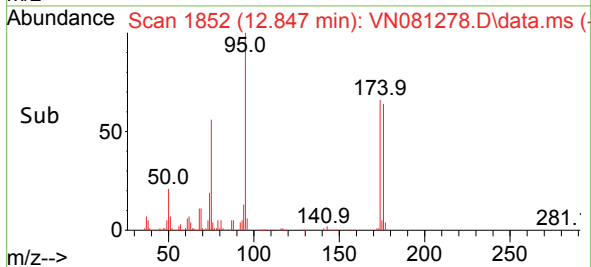
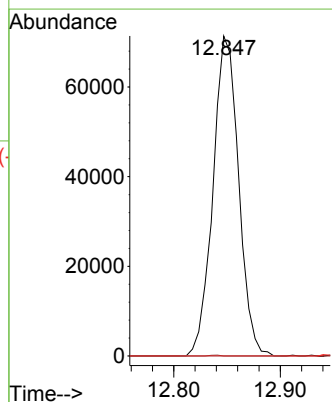
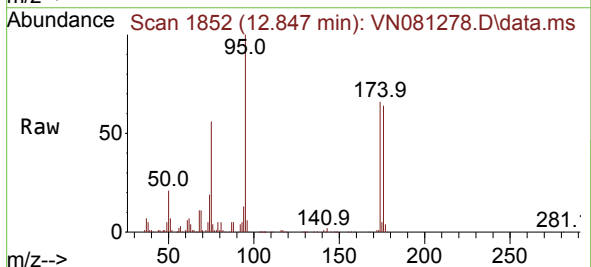
Instrument :
MSVOA_N
ClientSampleId :
PB153949TB

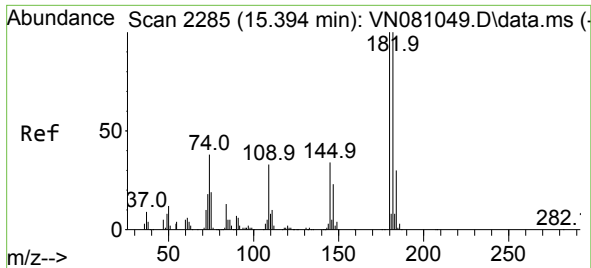
Tgt Ion: 75 Resp: 119233
Ion Ratio Lower Upper
75 100
77 1.6 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.526 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081278.D
Acq: 01 Mar 2024 12:21

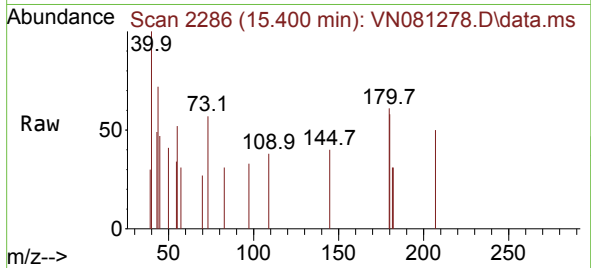
Tgt Ion: 75 Resp: 119233
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.218 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081278.D
 Acq: 01 Mar 2024 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949TB



Tgt Ion:	180	Resp:	904
Ion Ratio	Lower	Upper	
180	100		
182	72.2	46.6	139.7
145	35.1	16.8	50.3

