

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081284.D
 Acq On : 01 Mar 2024 14:44
 Operator : JC\MD
 Sample : PB153949ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949ZHE#06

Quant Time: Mar 01 22:18:12 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)

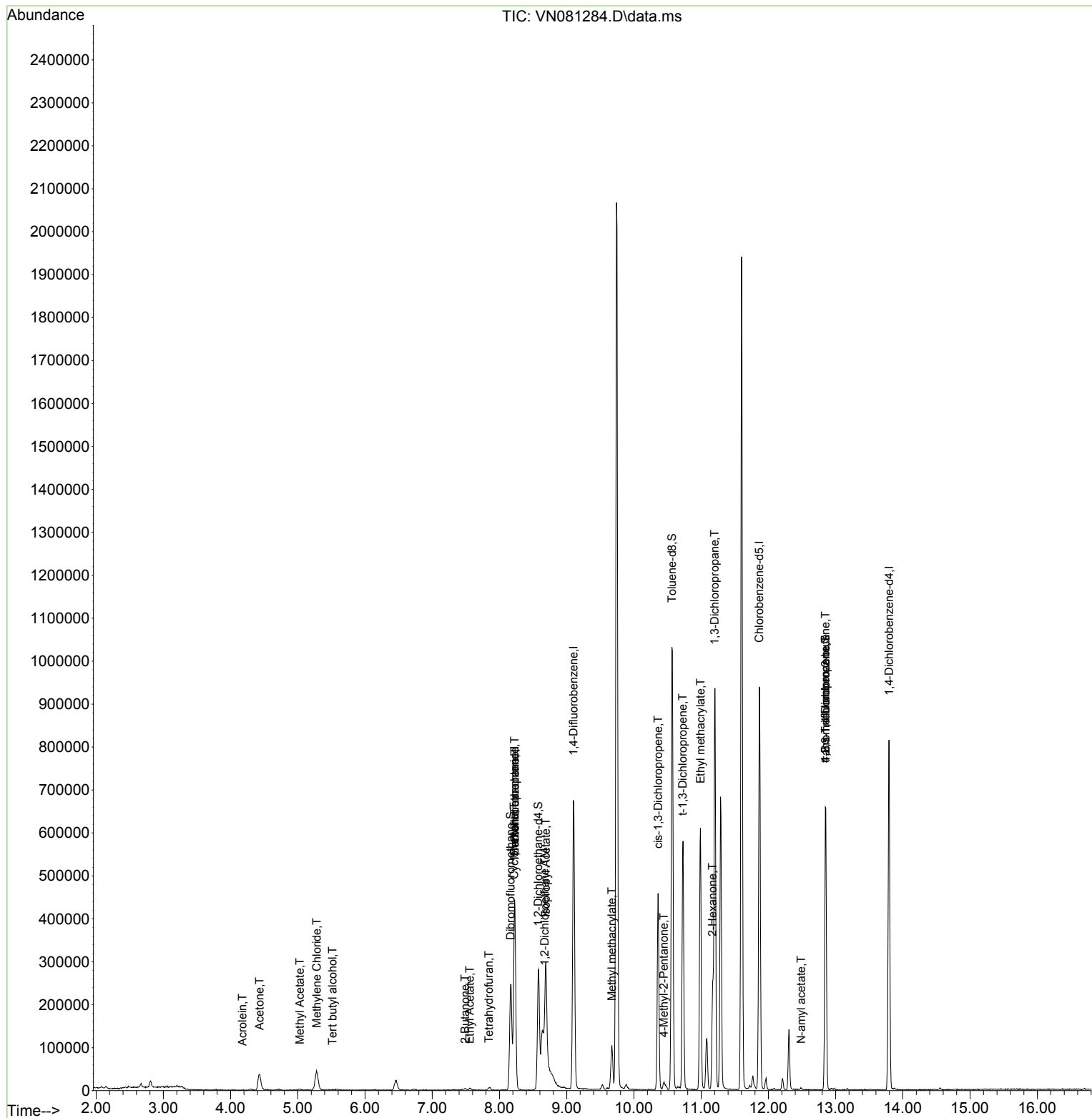
Internal Standards						
1) Pentafluorobenzene	8.224	168	306981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	583781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	529036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	230961	61.381	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.760%			
35) Dibromofluoromethane	8.165	113	179055	54.241	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.480%			
50) Toluene-d8	10.565	98	708392	60.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 120.840%#			
62) 4-Bromofluorobenzene	12.847	95	223736	50.785	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.560%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	758	Below Cal	#	43
6) Chloroethane	3.101	64	158	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	1346	1.945	ug/l #	72
13) Acrolein	4.177	56	400	1.078	ug/l #	15
16) Acetone	4.430	43	71549	48.326	ug/l	97
18) Methyl Acetate	5.030	43	4798	1.328	ug/l #	71
20) Methylene Chloride	5.283	84	35179	8.412	ug/l #	85
25) 2-Butanone	7.489	43	6198	2.591	ug/l	97
29) Tetrahydrofuran	7.841	42	4288	2.686	ug/l #	85
31) Cyclohexane	8.218	56	7707	1.186	ug/l #	18
36) 1,1-Dichloropropene	8.230	75	29426	5.203	ug/l #	52
37) Ethyl Acetate	7.559	43	6860	1.344	ug/l #	88
38) Carbon Tetrachloride	8.224	117	34204	5.978	ug/l #	18
42) 1,2-Dichloroethane	8.671	62	1673	0.293	ug/l #	75
43) Isopropyl Acetate	8.688	43	504902	56.560	ug/l #	74
48) Methyl methacrylate	9.671	41	5882	1.416	ug/l #	47
49) 1,4-Dioxane	9.741	88	183	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.447	43	18978	3.696	ug/l #	81
53) t-1,3-Dichloropropene	10.724	75	1887	0.301	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	83047	12.241	ug/l #	61
56) Ethyl methacrylate	10.988	69	2944	0.483	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	10684	1.550	ug/l #	43
59) 2-Hexanone	11.171	43	186963	45.924	ug/l #	26
74) N-amyl acetate	12.488	43	1834	0.239	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	123571	26.170	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	123571	67.359	ug/l #	14

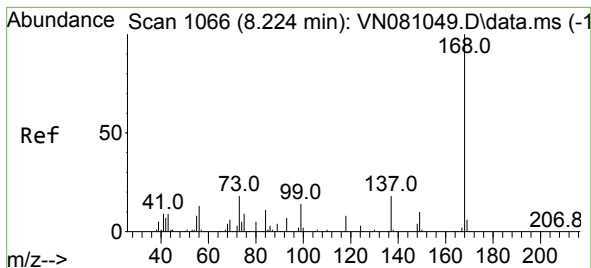
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 10

Delta R.T. -0.000 min

Lab File: VN081284.D

Acq: 01 Mar 2024 14:44

Instrument :

MSVOA_N

ClientSampleId :

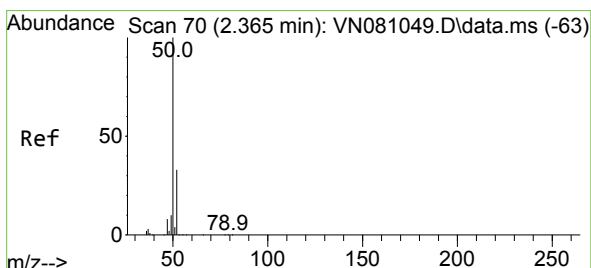
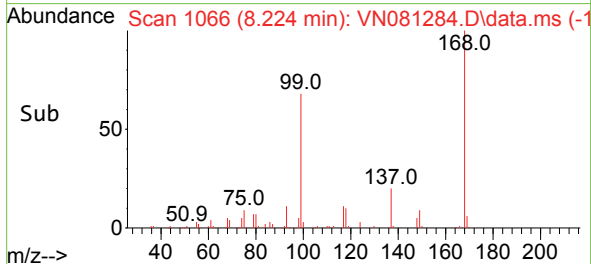
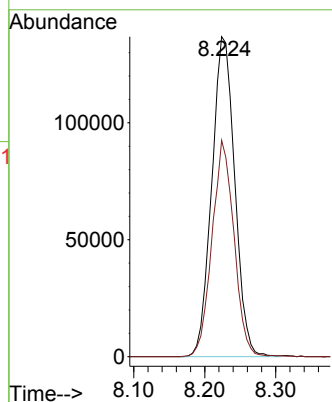
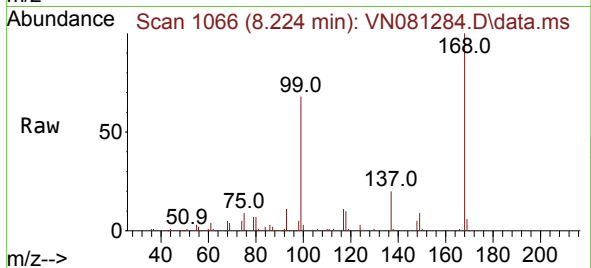
PB153949ZHE#06

Tgt Ion:168 Resp: 306981

Ion Ratio Lower Upper

168 100

99 67.6 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. -0.006 min

Lab File: VN081284.D

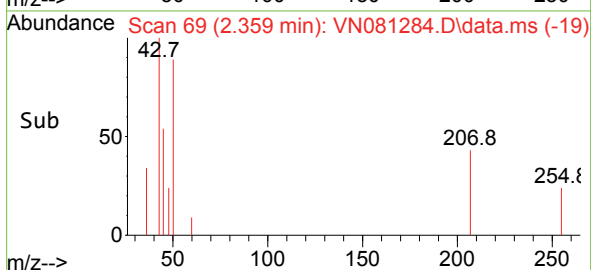
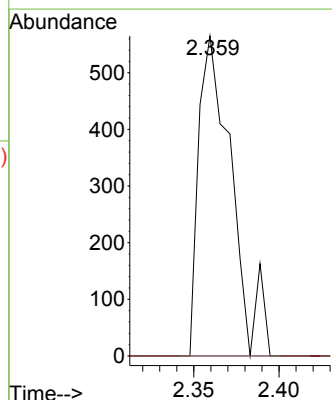
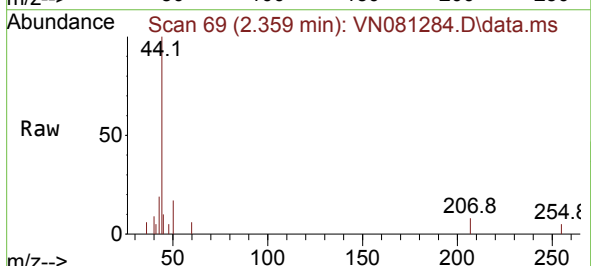
Acq: 01 Mar 2024 14:44

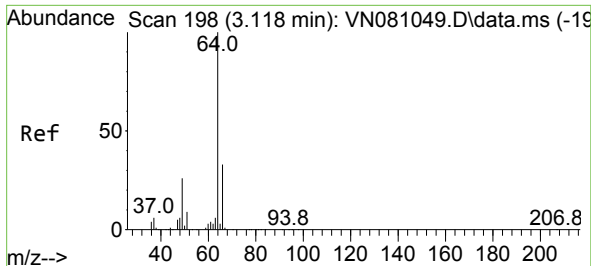
Tgt Ion: 50 Resp: 758

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

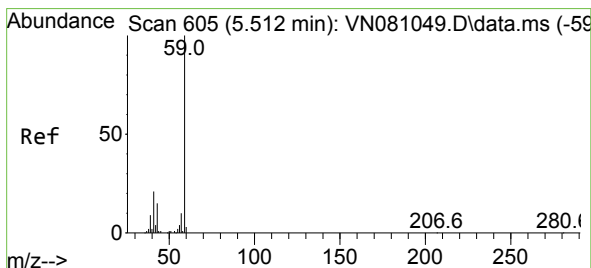
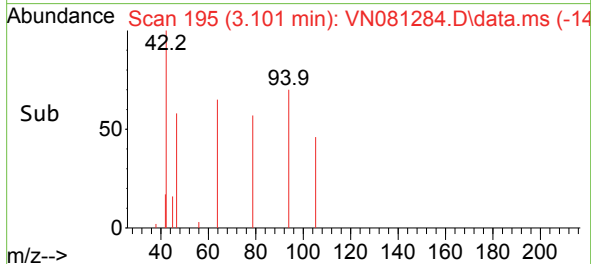
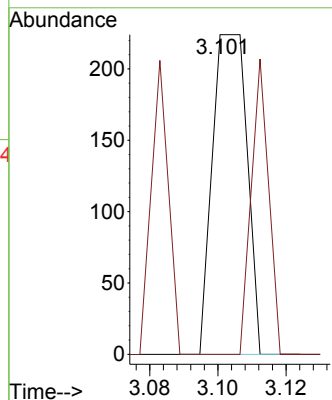
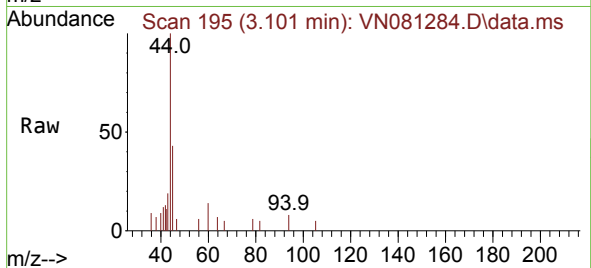




#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

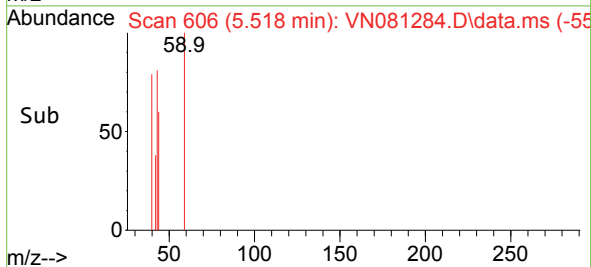
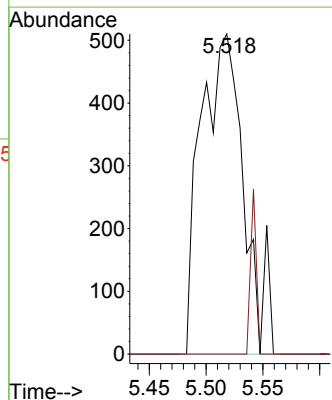
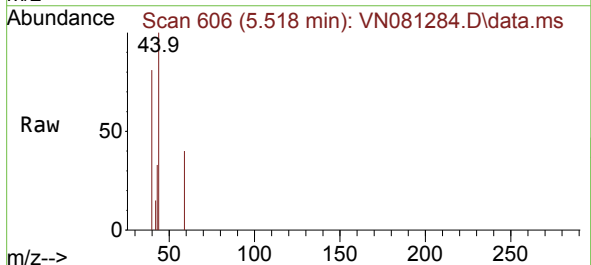
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

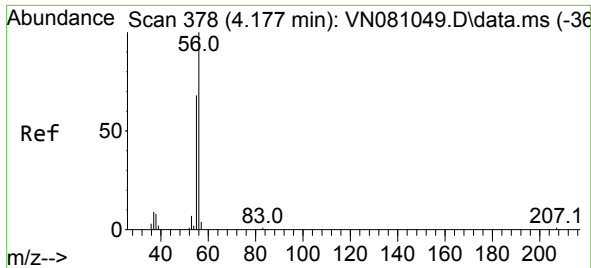
Tgt Ion: 64 Resp: 158
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.945 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion: 59 Resp: 1346
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

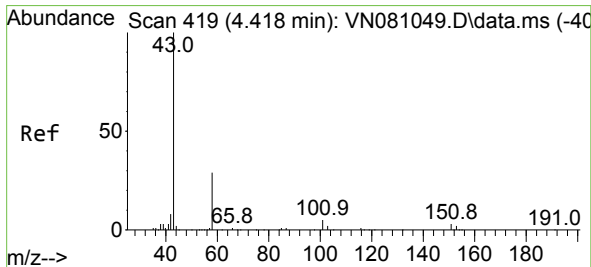
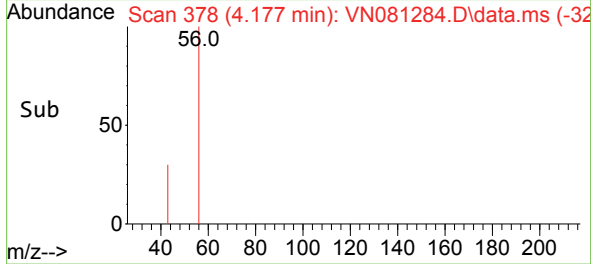
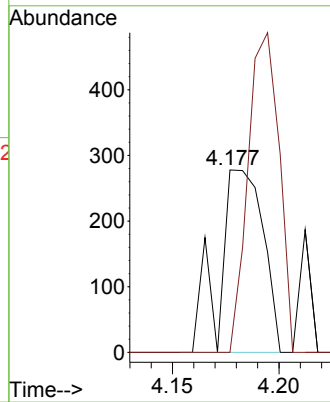
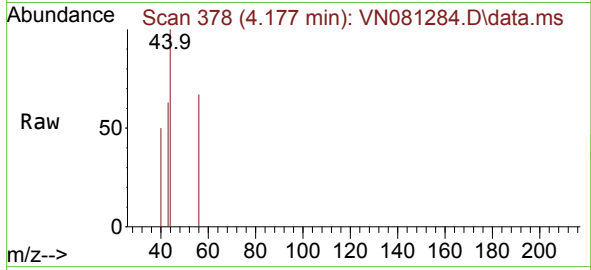




#13
Acrolein
Concen: 1.078 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

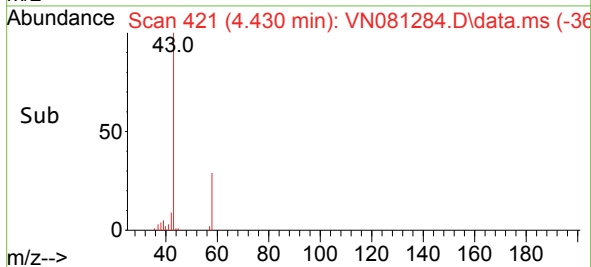
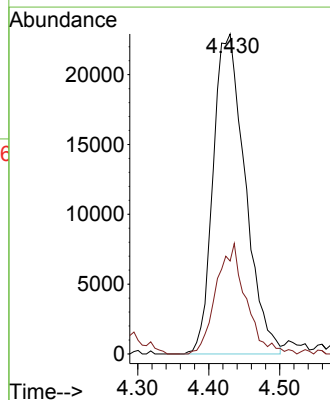
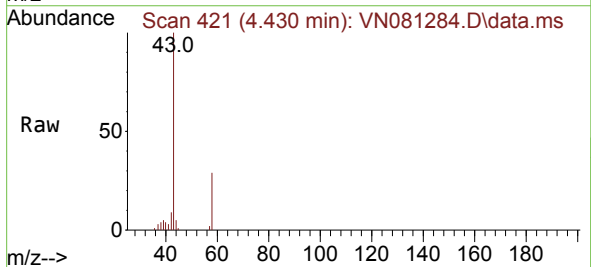
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

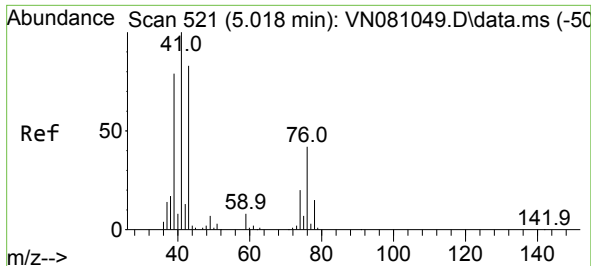
Tgt Ion: 56 Resp: 400
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 48.326 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion: 43 Resp: 71549
Ion Ratio Lower Upper
43 100
58 29.1 24.8 37.2

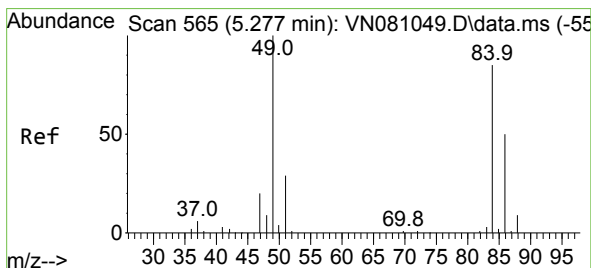
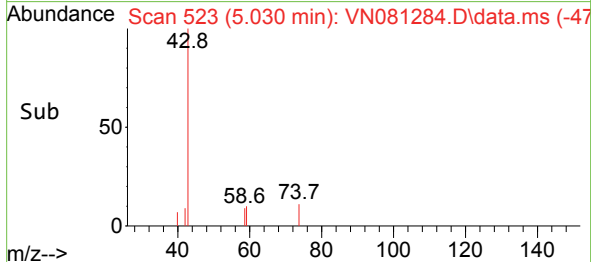
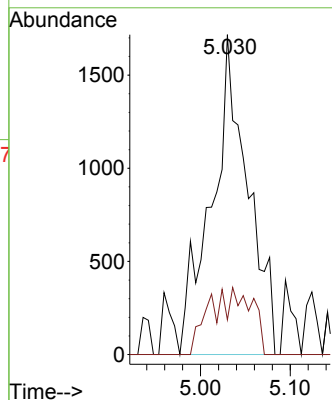
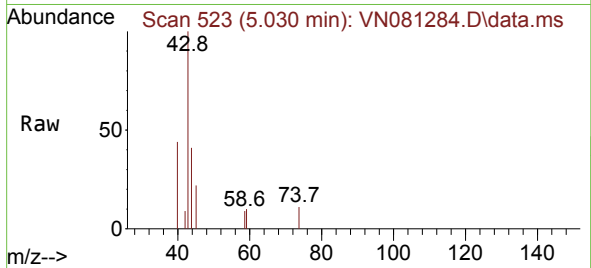




#18
Methyl Acetate
Concen: 1.328 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

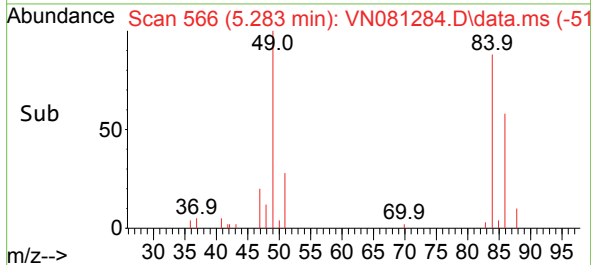
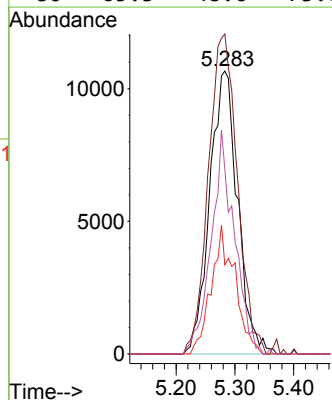
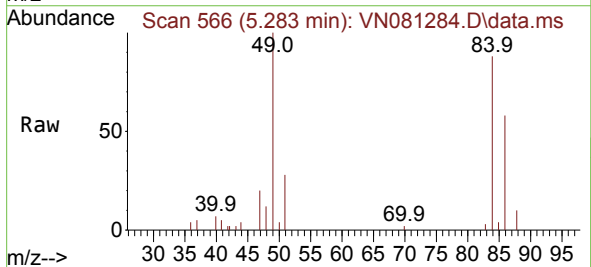
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

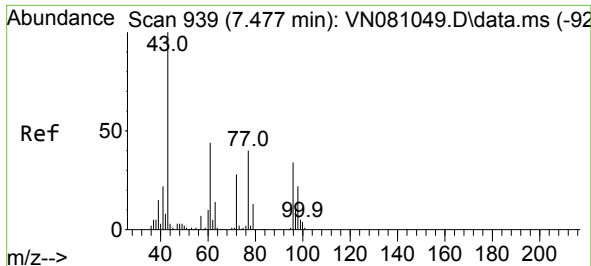
Tgt Ion: 43 Resp: 4798
Ion Ratio Lower Upper
43 100
74 7.7 17.3 25.9#



#20
Methylene Chloride
Concen: 8.412 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion: 84 Resp: 35179
Ion Ratio Lower Upper
84 100
49 113.1 108.1 162.1
51 31.6 32.9 49.3#
86 65.3 48.6 73.0





#25

2-Butanone

Concen: 2.591 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN081284.D

Acq: 01 Mar 2024 14:44

Instrument :

MSVOA_N

ClientSampleId :

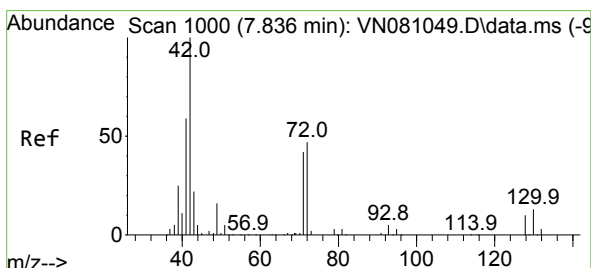
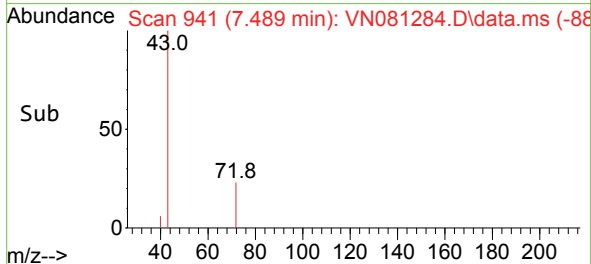
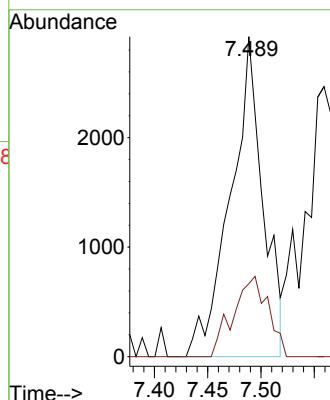
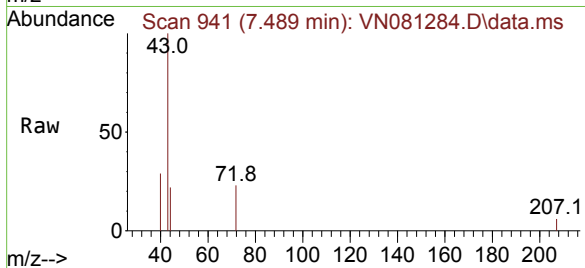
PB153949ZHE#06

Tgt Ion: 43 Resp: 6198

Ion Ratio Lower Upper

43 100

72 22.8 19.5 29.3



#29

Tetrahydrofuran

Concen: 2.686 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN081284.D

Acq: 01 Mar 2024 14:44

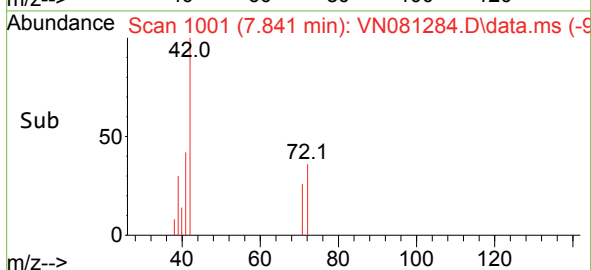
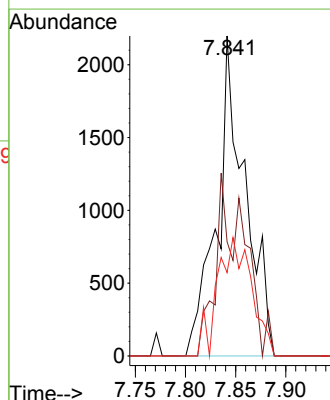
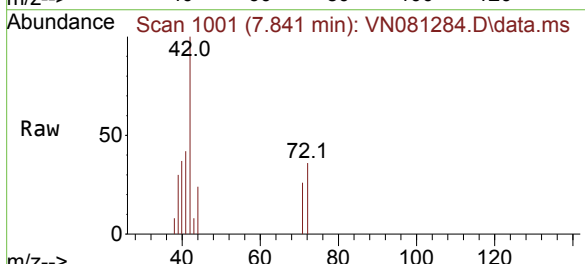
Tgt Ion: 42 Resp: 4288

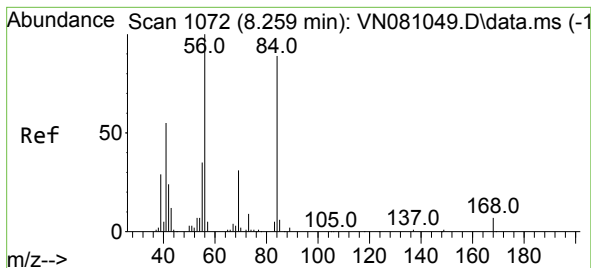
Ion Ratio Lower Upper

42 100

72 30.7 31.1 46.7#

71 44.6 28.3 42.5#





#31

Cyclohexane

Concen: 1.186 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

Lab File: VN081284.D

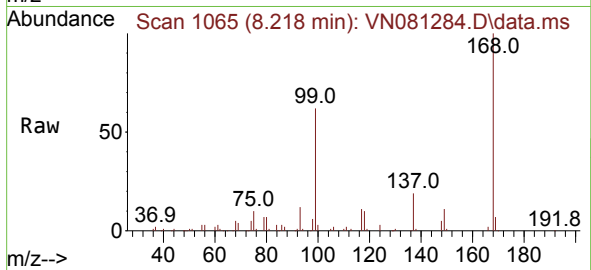
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Instrument :

MSVOA_N

ClientSampleId :

PB153949ZHE#06



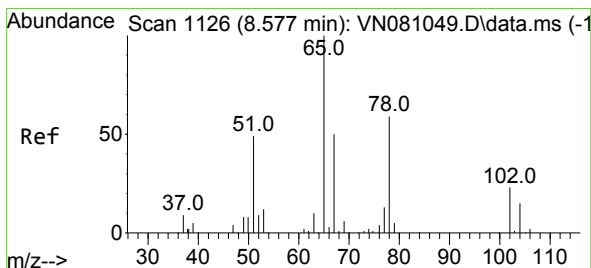
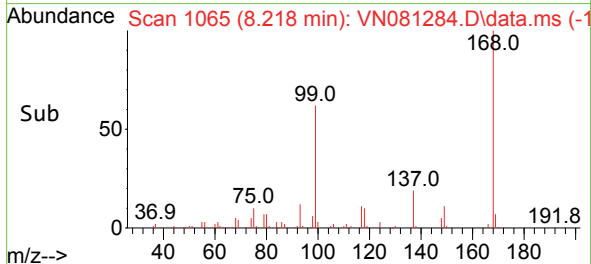
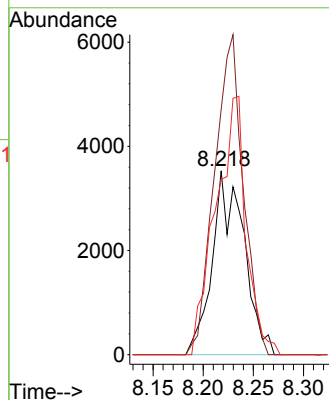
Tgt Ion: 56 Resp: 7707

Ion Ratio Lower Upper

56 100

69 133.4 20.1 30.1#

84 100.1 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 61.381 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081284.D

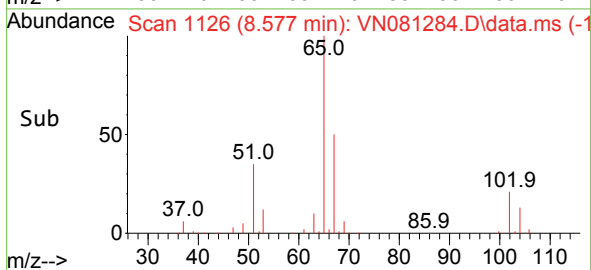
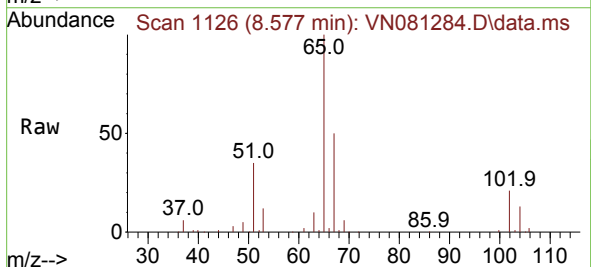
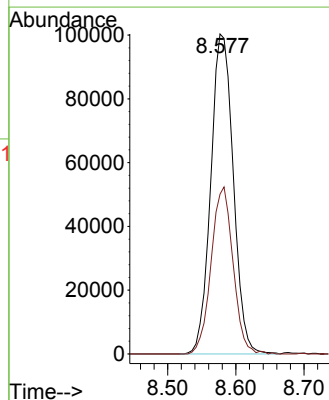
Acq: 01 Mar 2024 14:44

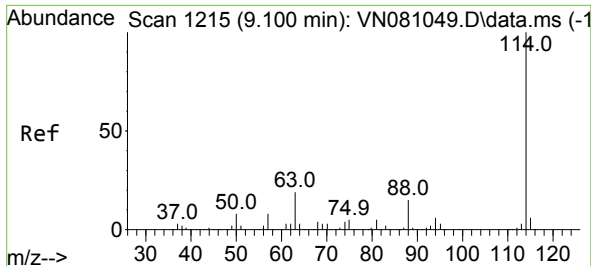
Tgt Ion: 65 Resp: 230961

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.4

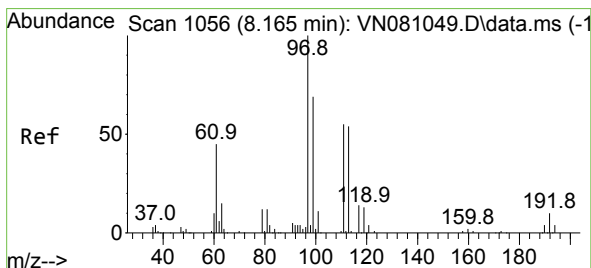
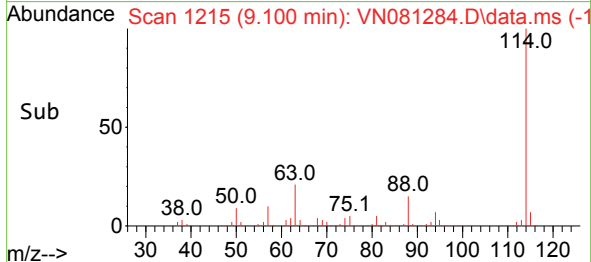
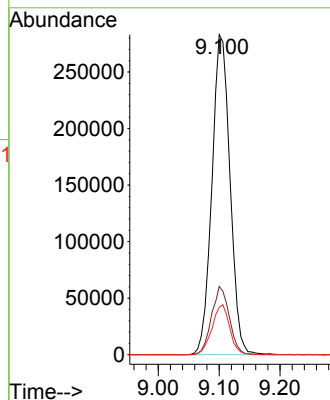
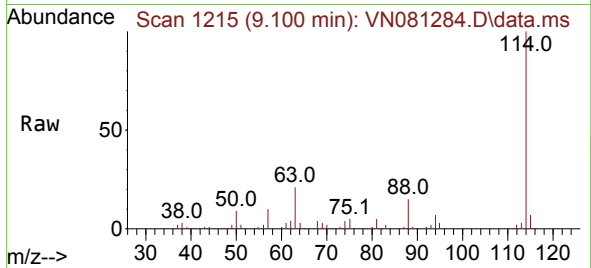




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

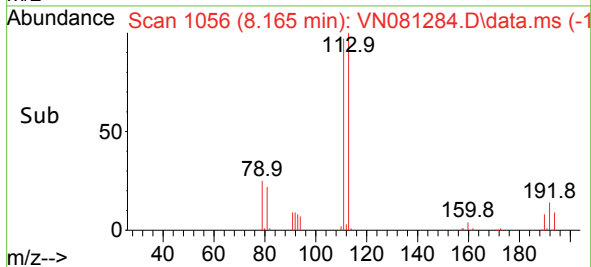
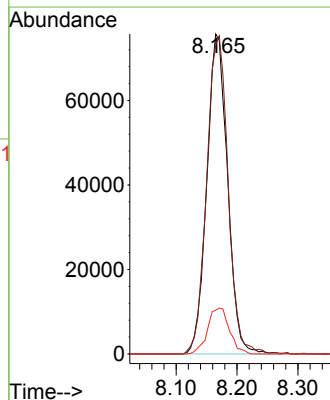
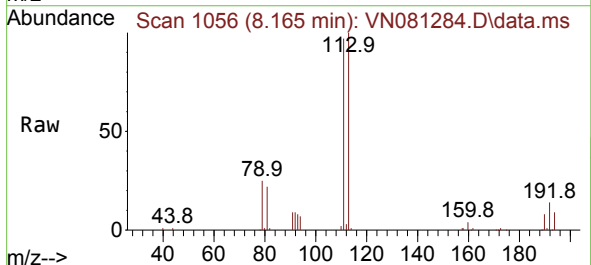
Instrument :
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PB153949ZHE#06

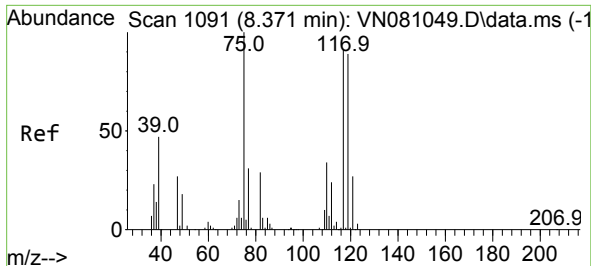
Tgt Ion:114 Resp: 583781
Ion Ratio Lower Upper
114 100
63 21.3 0.0 48.0
88 14.8 0.0 34.8



#35
Dibromofluoromethane
Concen: 54.241 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion:113 Resp: 179055
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 15.1 12.5 18.7

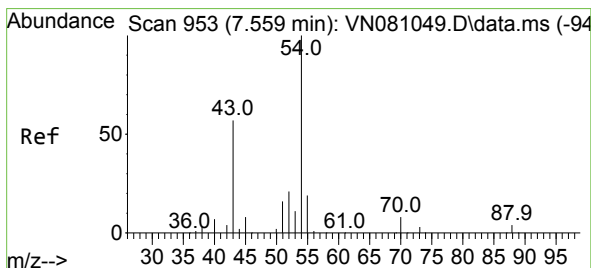
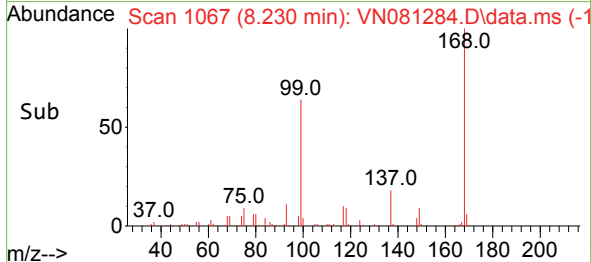
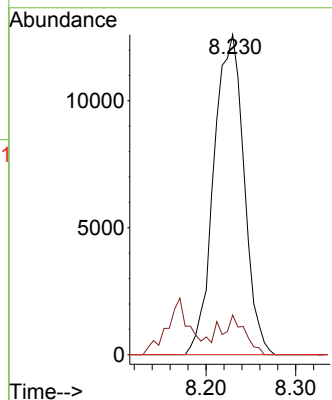
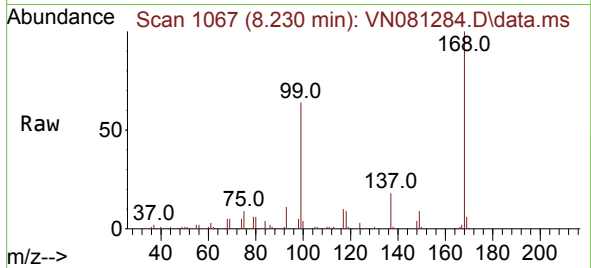




#36
1,1-Dichloropropene
Concen: 5.203 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

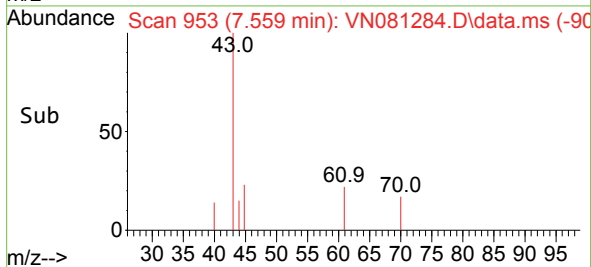
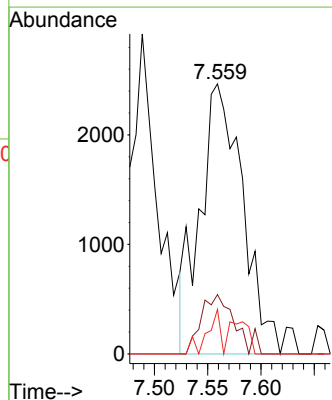
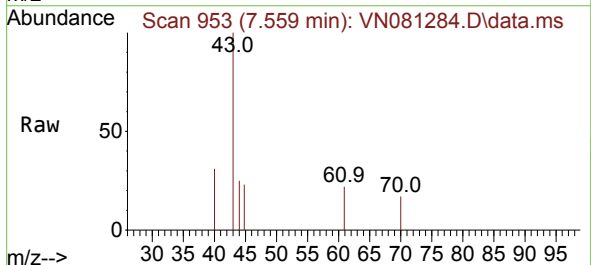
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

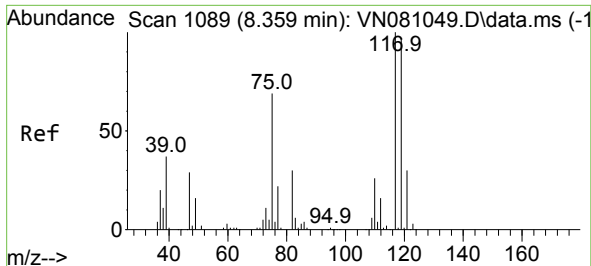
Tgt Ion: 75 Resp: 29426
Ion Ratio Lower Upper
75 100
110 11.0 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.344 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

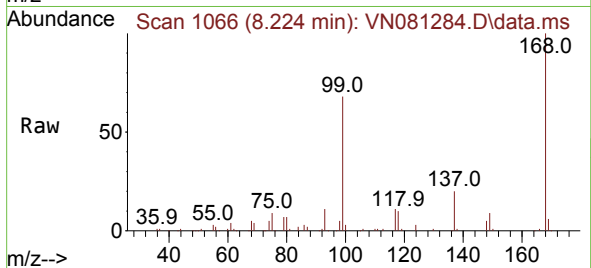
Tgt Ion: 43 Resp: 6860
Ion Ratio Lower Upper
43 100
61 17.4 10.6 15.8#
70 5.0 8.0 12.0#



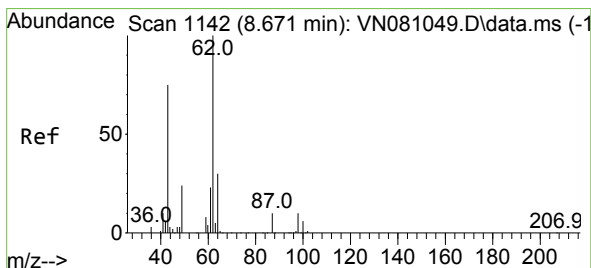
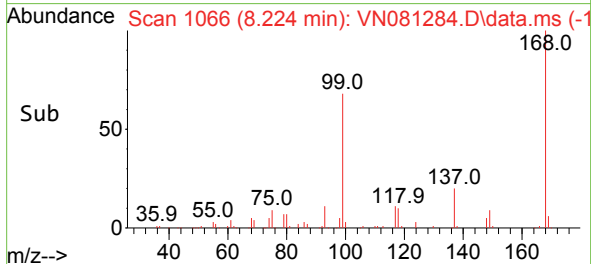
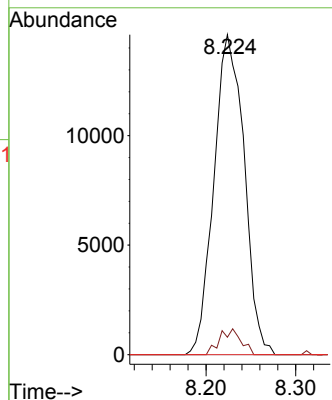


#38
Carbon Tetrachloride
Concen: 5.978 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

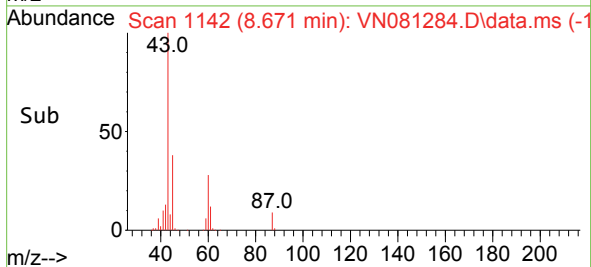
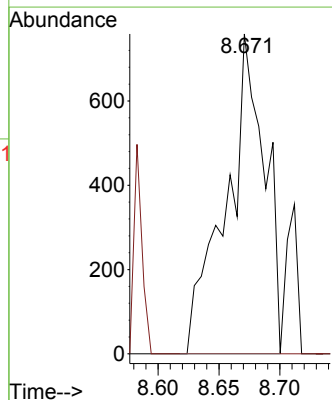
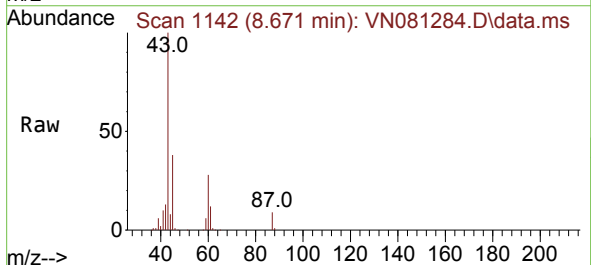


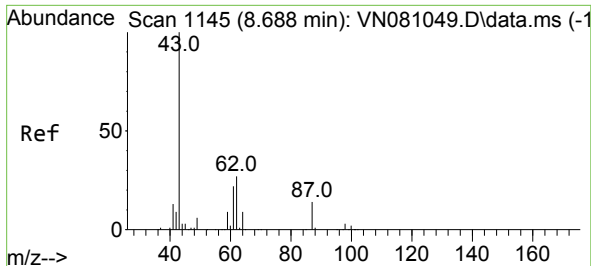
Tgt Ion:117 Resp: 34204
Ion Ratio Lower Upper
117 100
119 5.5 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.293 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion: 62 Resp: 1673
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0

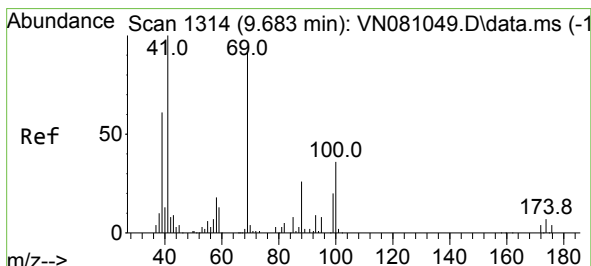
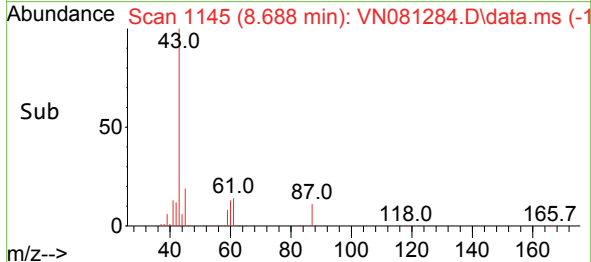
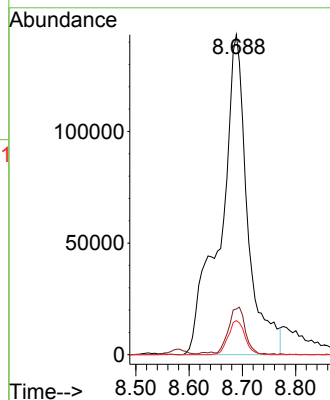
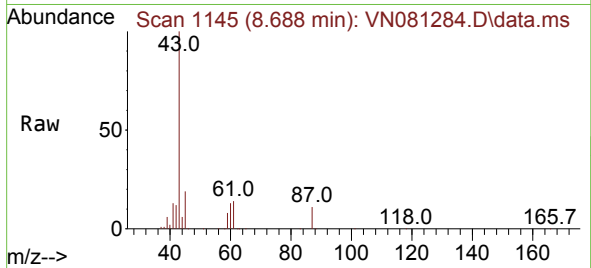




#43
Isopropyl Acetate
Concen: 56.560 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

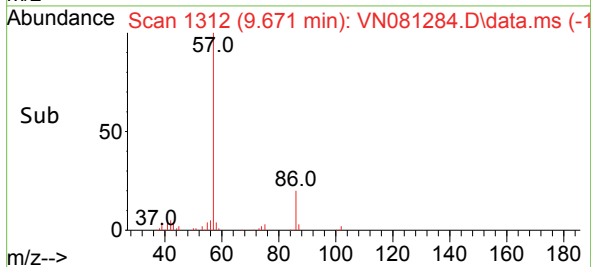
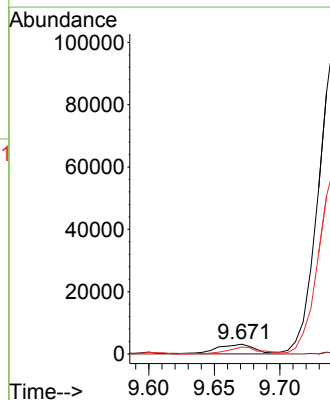
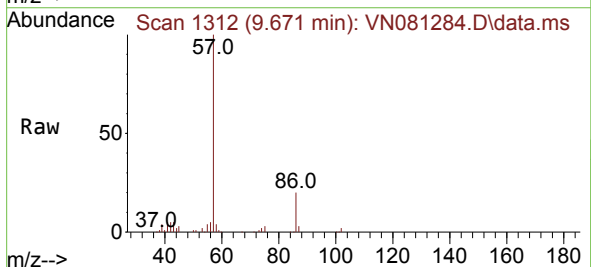
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

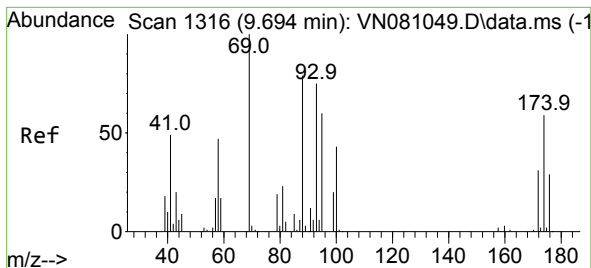
Tgt Ion: 43 Resp: 504902
Ion Ratio Lower Upper
43 100
61 9.1 19.9 29.9#
87 6.6 9.0 13.6#



#48
Methyl methacrylate
Concen: 1.416 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion: 41 Resp: 5882
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 63.9 47.6 71.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN081284.D

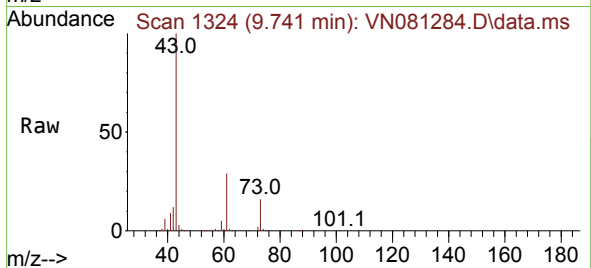
Acq: 01 Mar 2024 14:44

Instrument :

MSVOA_N

ClientSampleId :

PB153949ZHE#06



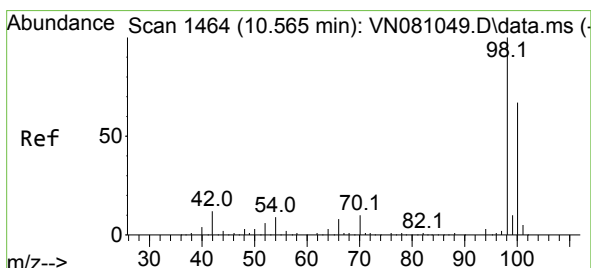
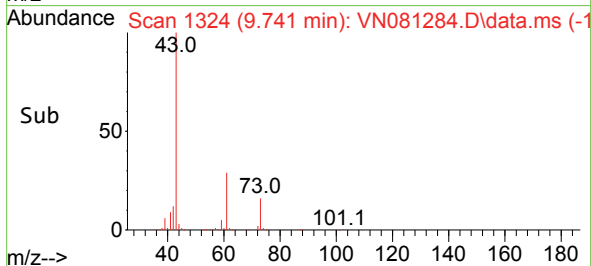
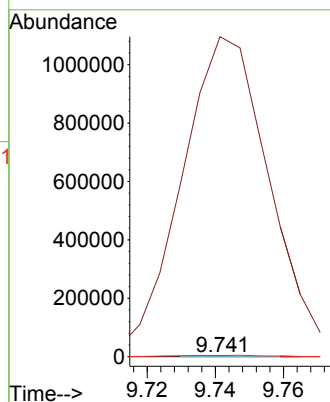
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

43 1083556.3 30.1 45.1#

58 5256.8 63.9 95.9#



#50

Toluene-d8

Concen: 60.419 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN081284.D

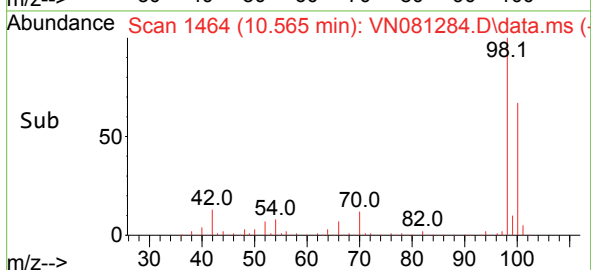
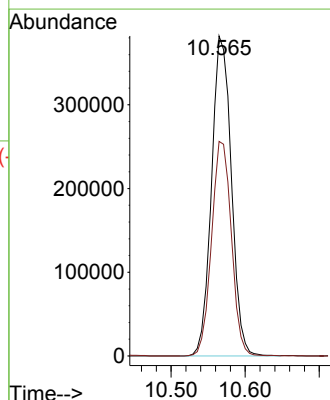
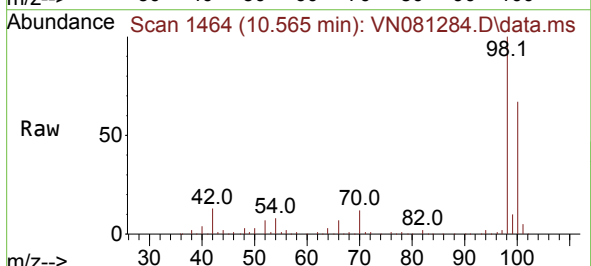
Acq: 01 Mar 2024 14:44

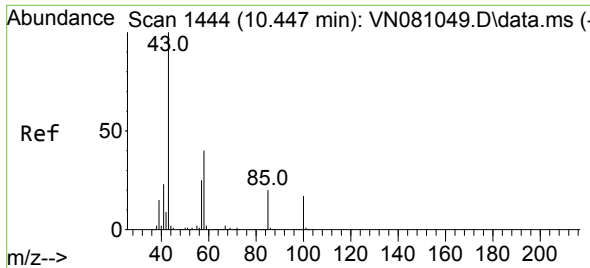
Tgt Ion: 98 Resp: 708392

Ion Ratio Lower Upper

98 100

100 67.1 51.4 77.0

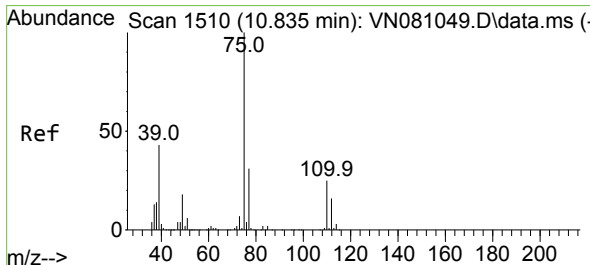
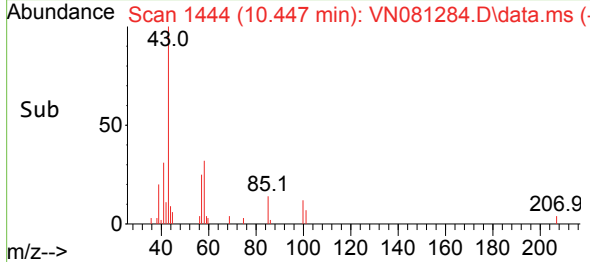
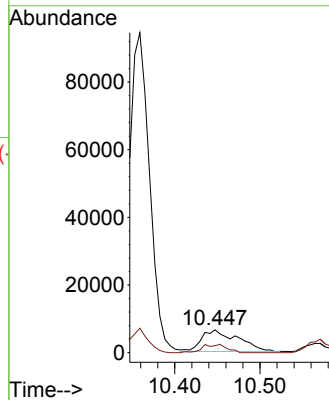
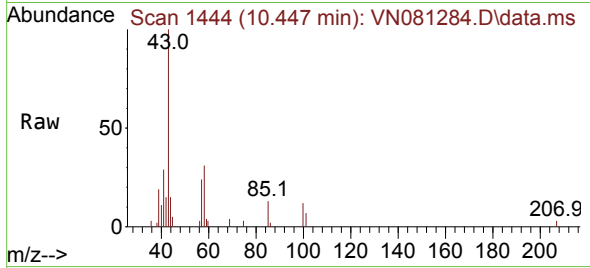




#51
4-Methyl-2-Pentanone
Concen: 3.696 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

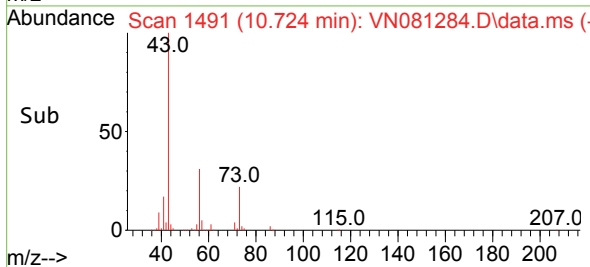
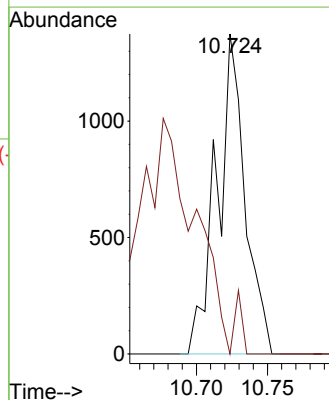
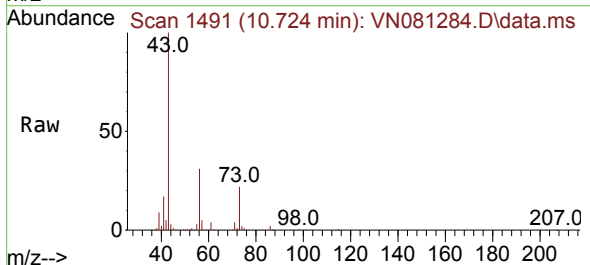
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

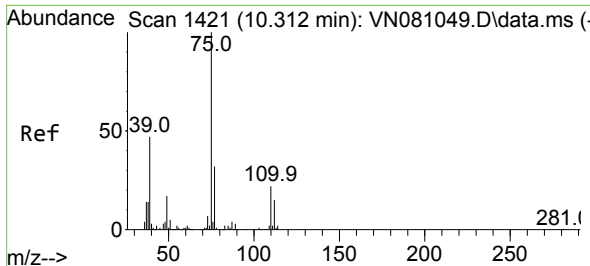
Tgt Ion: 43 Resp: 18978
Ion Ratio Lower Upper
43 100
58 25.2 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 0.301 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion: 75 Resp: 1887
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

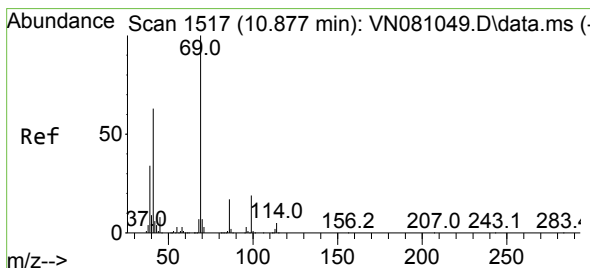
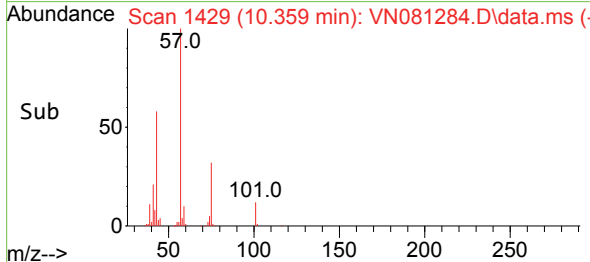
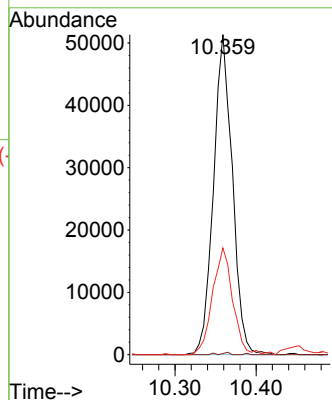
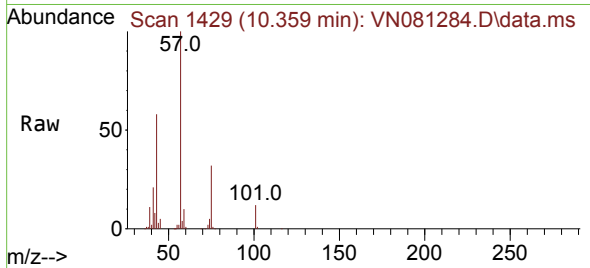




#54
cis-1,3-Dichloropropene
Concen: 12.241 ug/l
RT: 10.359 min Scan# 1421
Delta R.T. 0.047 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

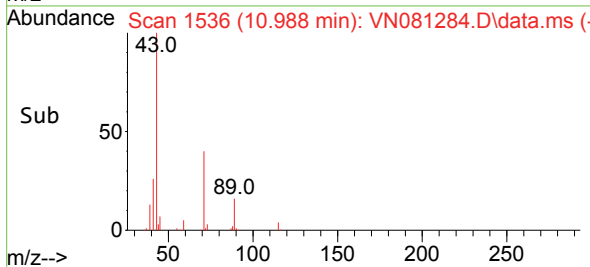
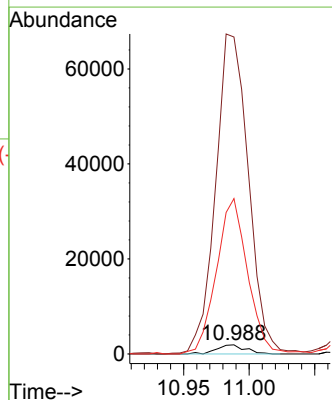
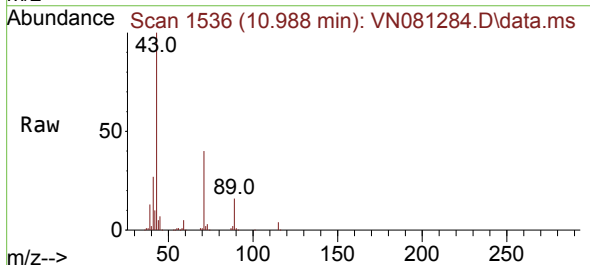
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

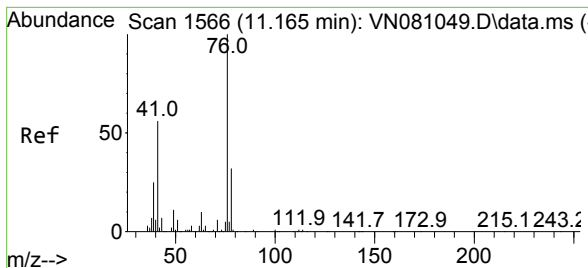
Tgt Ion: 75 Resp: 83047
Ion Ratio Lower Upper
75 100
77 0.3 23.3 34.9#
39 33.3 44.6 66.8#



#56
Ethyl methacrylate
Concen: 0.483 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion: 69 Resp: 2944
Ion Ratio Lower Upper
69 100
41 3988.1 61.0 91.6#
39 1845.9 31.8 47.6#

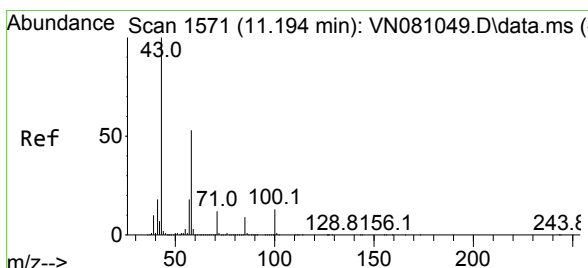
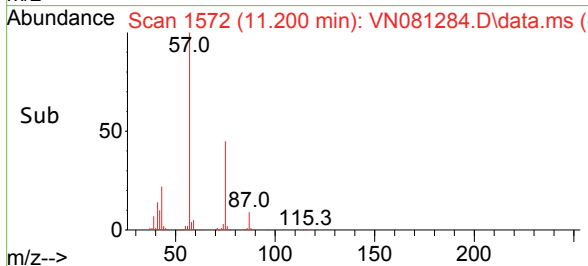
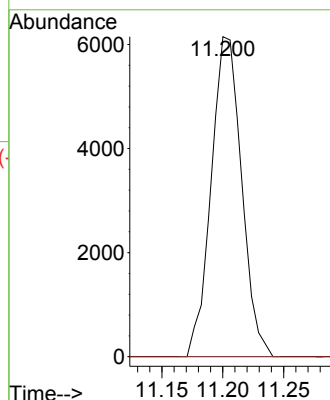
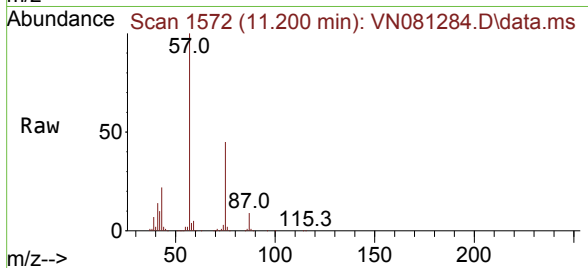




#57
1,3-Dichloropropane
Concen: 1.550 ug/l
RT: 11.200 min Scan# 1119
Delta R.T. 0.035 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

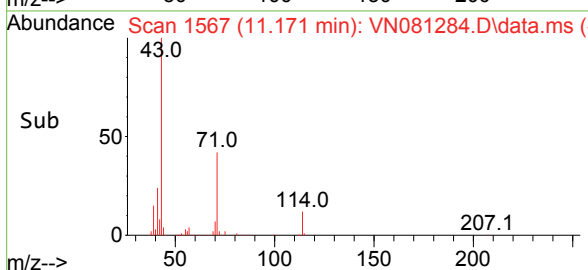
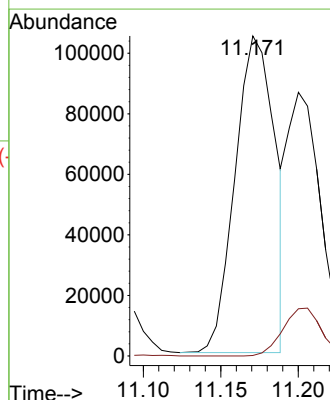
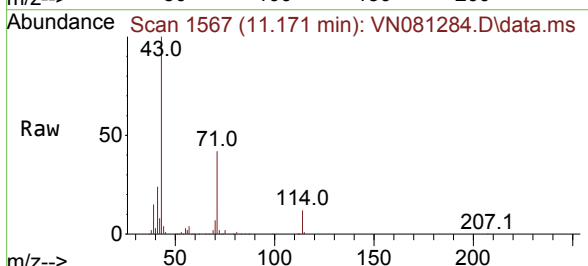
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

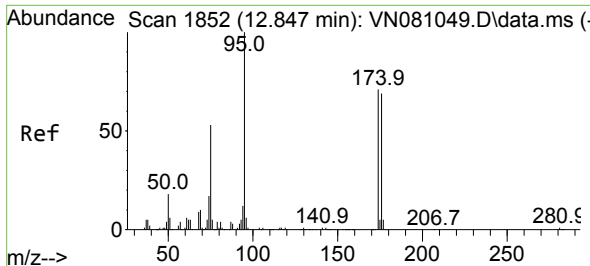
Tgt Ion: 76 Resp: 10684
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 45.924 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion: 43 Resp: 186963
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

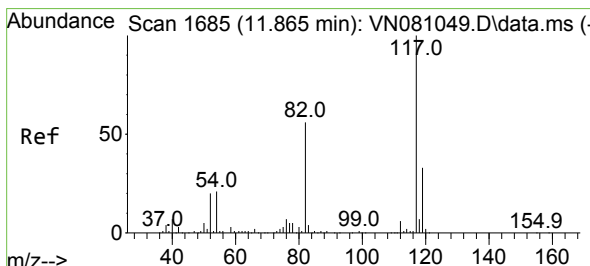
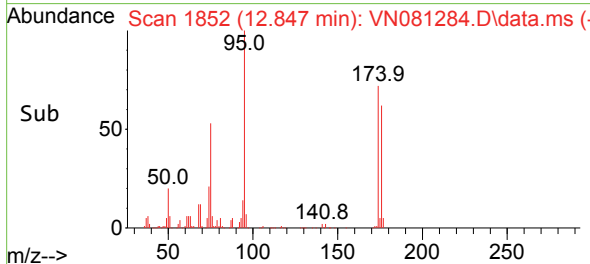
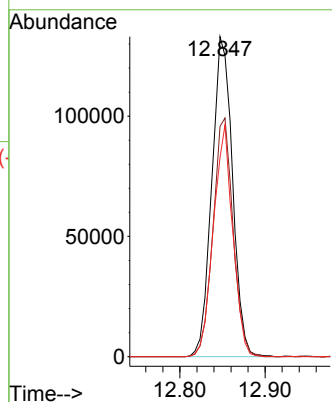
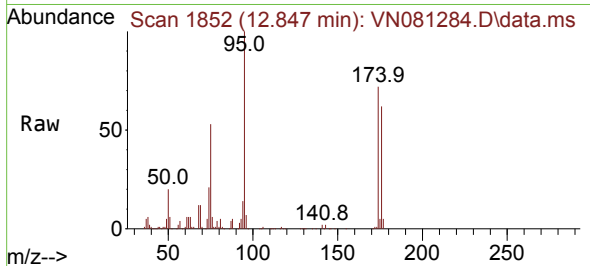




#62
4-Bromofluorobenzene
Concen: 50.785 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

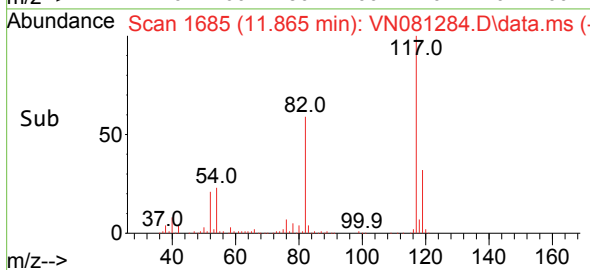
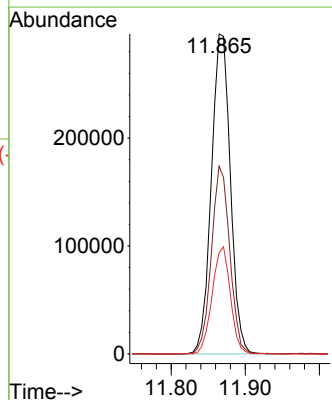
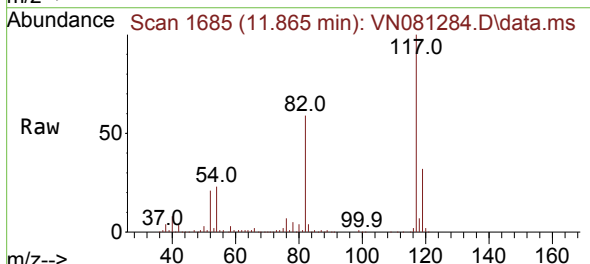
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

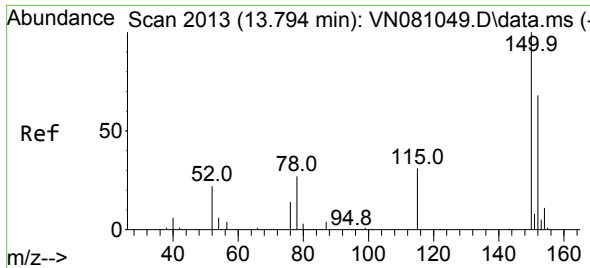
Tgt Ion: 95 Resp: 223736
Ion Ratio Lower Upper
95 100
174 72.7 0.0 120.4
176 68.2 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion: 117 Resp: 529036
Ion Ratio Lower Upper
117 100
82 58.7 52.7 79.1
119 31.7 25.3 37.9

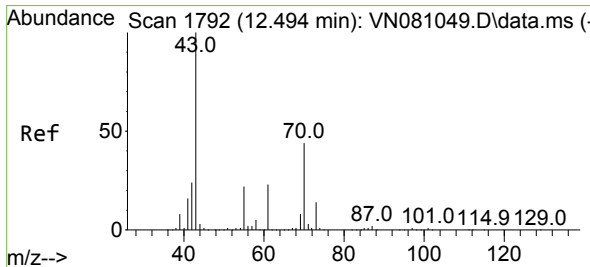
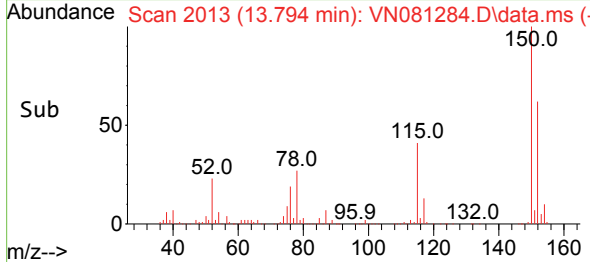
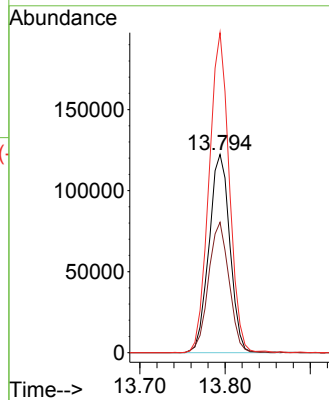
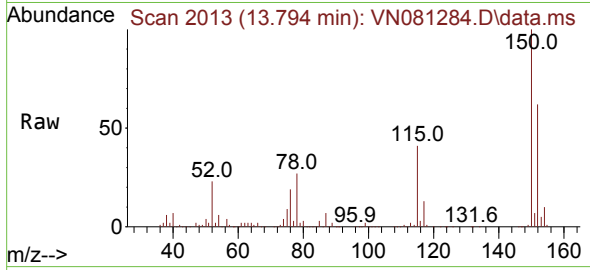




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

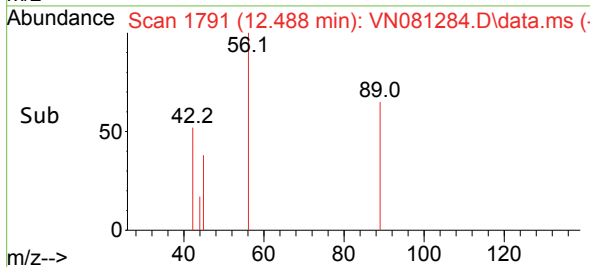
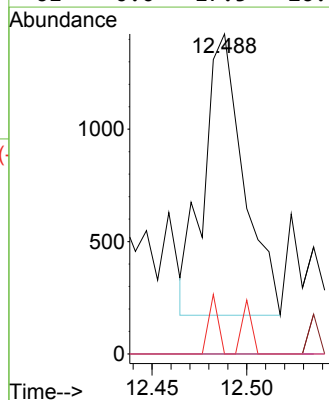
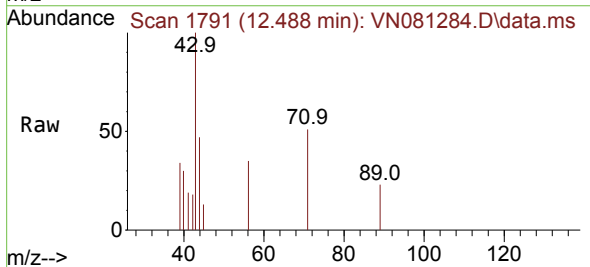
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

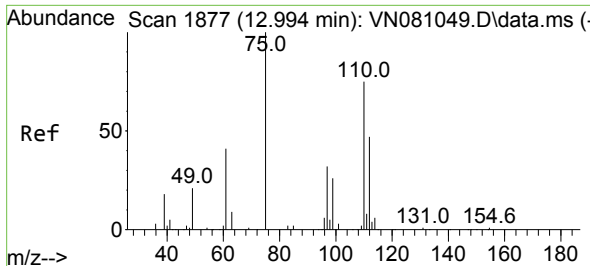
Tgt Ion:152 Resp: 207825
Ion Ratio Lower Upper
152 100
115 65.1 32.3 96.8
150 156.4 0.0 339.8



#74
N-ethyl acetate
Concen: 0.239 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 5.1 17.0 25.4#
61 0.0 17.5 26.3#

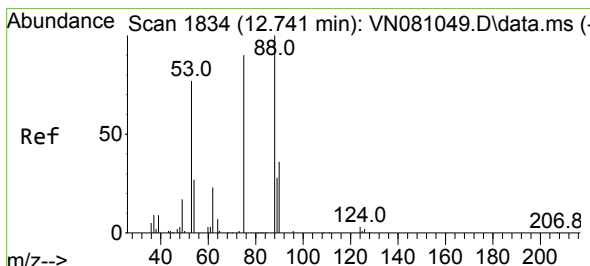
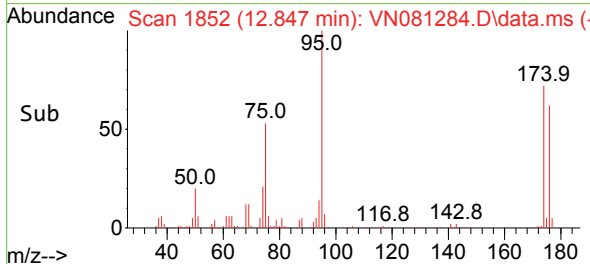
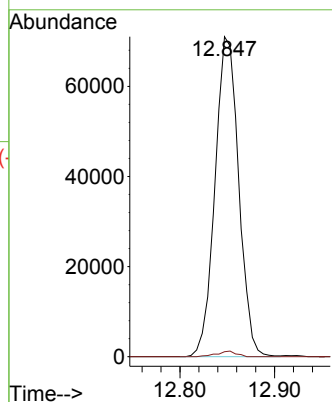
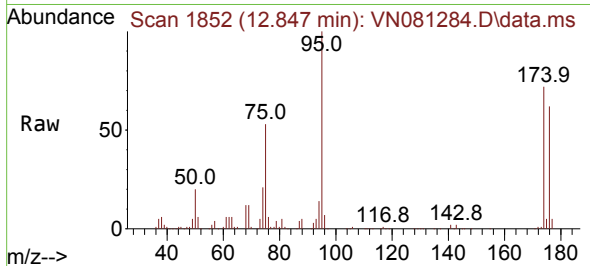




#76
1,2,3-Trichloropropane
Concen: 26.170 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#06

Tgt Ion: 75 Resp: 123571
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.359 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081284.D
Acq: 01 Mar 2024 14:44

Tgt Ion: 75 Resp: 123571
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

