

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020724\
 Data File : VN080944.D
 Acq On : 07 Feb 2024 18:27
 Operator : JC\MD
 Sample : PB158850ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB158850ZHE#08

Quant Time: Feb 08 00:30:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

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

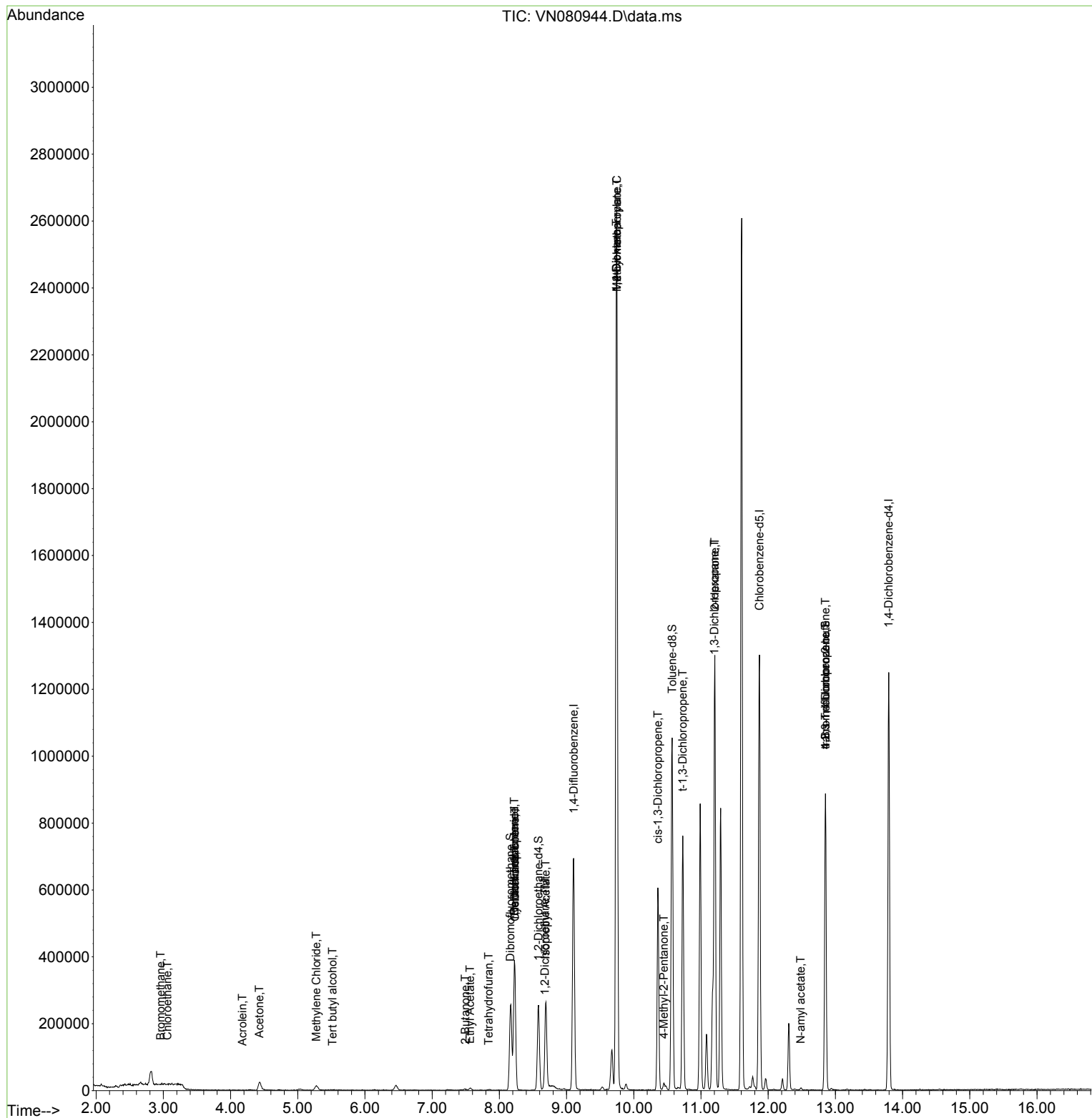
Internal Standards						
1) Pentafluorobenzene	8.224	168	276361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	609234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	761427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	321564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	203089	58.253	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.500%			
35) Dibromofluoromethane	8.165	113	187252	57.279	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.560%			
50) Toluene-d8	10.571	98	729233	61.670	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 123.340%#			
62) 4-Bromofluorobenzene	12.853	95	310090	72.187	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 144.380%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	3959	Below Cal	#	83
5) Bromomethane	2.959	94	1135	0.431	ug/l #	17
6) Chloroethane	3.059	64	804	0.279	ug/l #	82
11) Tert butyl alcohol	5.518	59	527	1.097	ug/l #	72
13) Acrolein	4.177	56	231	0.382	ug/l #	15
16) Acetone	4.430	43	44622	38.904	ug/l #	80
18) Methyl Acetate	5.042	43	6938	Below Cal	#	75
20) Methylene Chloride	5.277	84	10473	3.014	ug/l #	76
25) 2-Butanone	7.494	43	5455	2.963	ug/l #	51
29) Tetrahydrofuran	7.841	42	1135	1.008	ug/l #	65
31) Cyclohexane	8.230	56	7091	1.488	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	23785	4.891	ug/l #	52
37) Ethyl Acetate	7.565	43	8277	2.249	ug/l	96
38) Carbon Tetrachloride	8.224	117	30949	6.208	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	1059	0.205	ug/l #	75
43) Isopropyl Acetate	8.688	43	301510	44.556	ug/l #	89
45) 1,2-Dichloropropane	9.747	63	3917	0.981	ug/l #	42
48) Methyl methacrylate	9.747	41	238090	62.448	ug/l #	48
49) 1,4-Dioxane	9.741	88	264	3.750	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11277	2.765	ug/l #	86
53) t-1,3-Dichloropropene	10.729	75	1854	0.332	ug/l #	85
54) cis-1,3-Dichloropropene	10.359	75	112301	17.897	ug/l #	61
57) 1,3-Dichloropropane	11.200	76	14127	2.272	ug/l #	43
59) 2-Hexanone	11.206	43	140085	45.322	ug/l #	62
74) N-amyl acetate	12.482	43	3412	0.378	ug/l #	51
76) 1,2,3-Trichloropropane	12.853	75	162687	24.813	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	162687	67.414	ug/l #	14

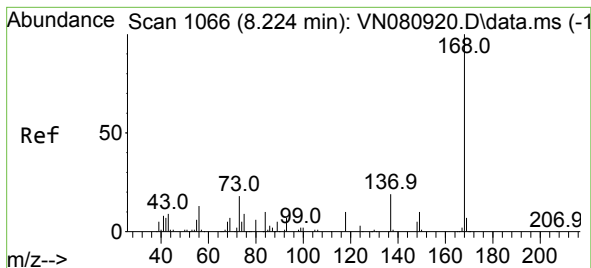
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020724\
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Quant Title : SW846 8260
QLast Update : Wed Feb 07 06:22:23 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080944.D

Acq: 07 Feb 2024 18:27

Instrument :

MSVOA_N

ClientSampleId :

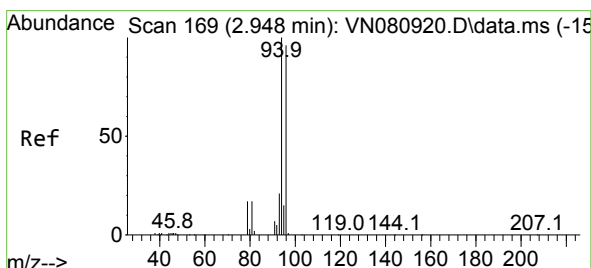
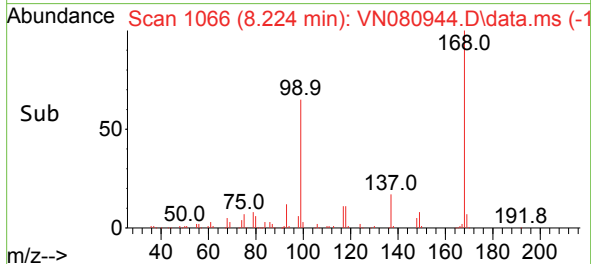
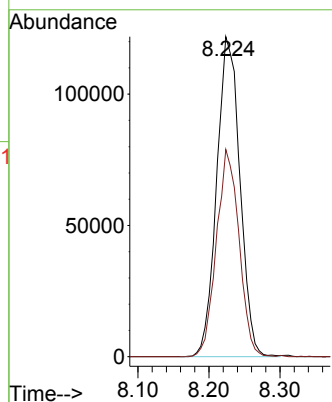
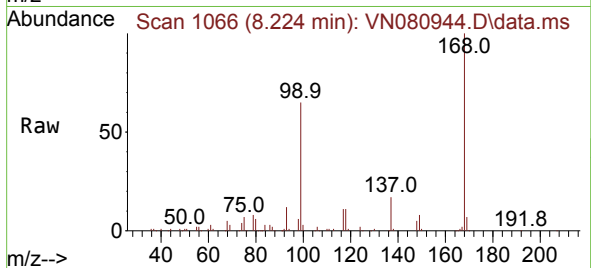
PB158850ZHE#08

Tgt Ion:168 Resp: 276361

Ion Ratio Lower Upper

168 100

99 64.8 59.9 89.9



#5

Bromomethane

Concen: 0.431 ug/l

RT: 2.959 min Scan# 171

Delta R.T. 0.012 min

Lab File: VN080944.D

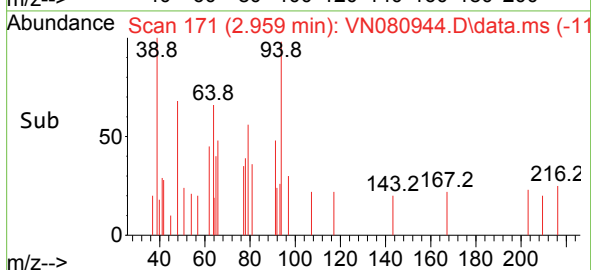
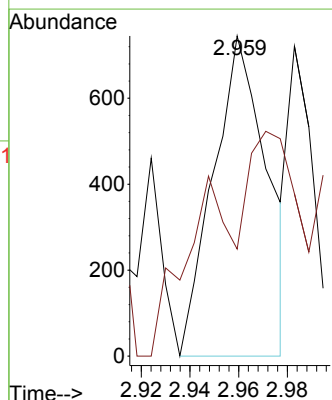
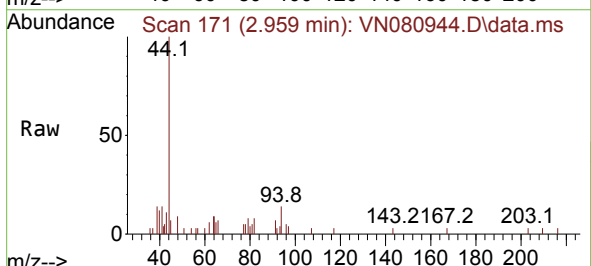
Acq: 07 Feb 2024 18:27

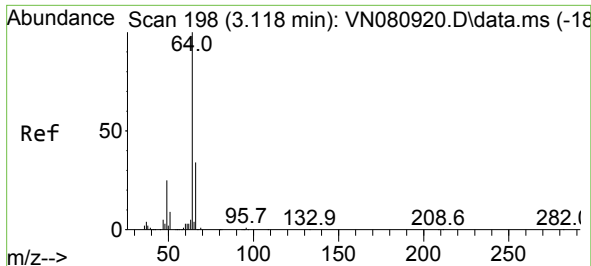
Tgt Ion: 94 Resp: 1135

Ion Ratio Lower Upper

94 100

96 9.7 69.2 103.8#

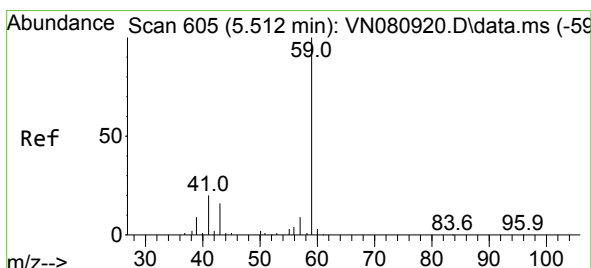
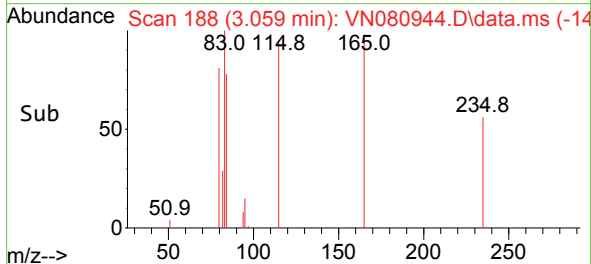
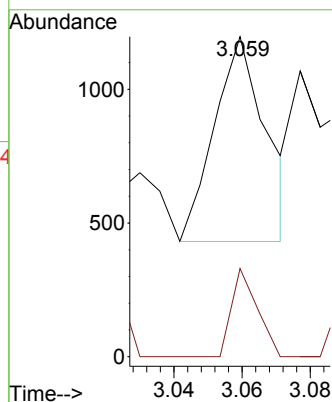
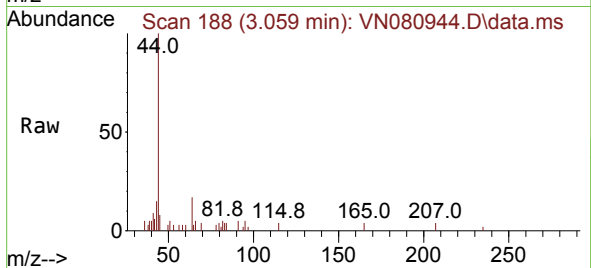




#6
Chloroethane
Concen: 0.279 ug/l
RT: 3.059 min Scan# 11
Delta R.T. -0.059 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

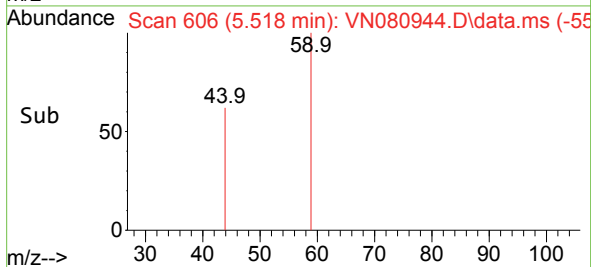
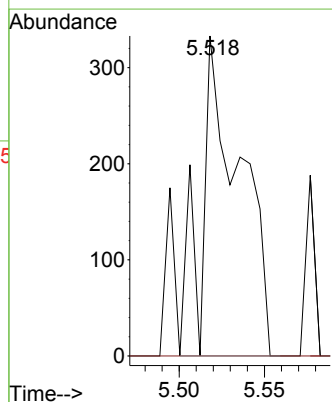
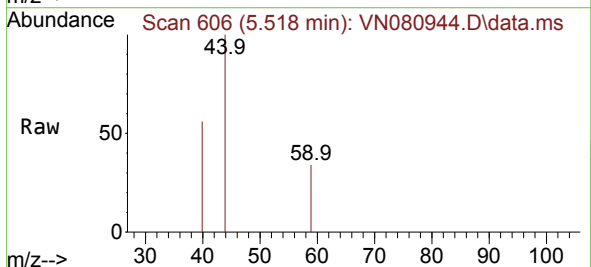
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#08

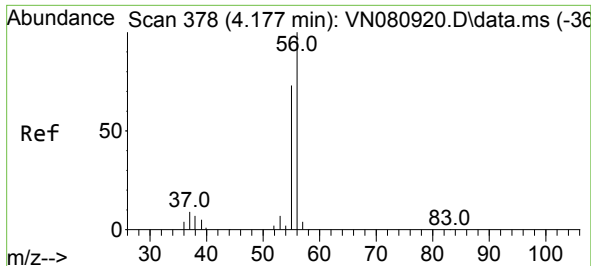
Tgt Ion: 64 Resp: 804
Ion Ratio Lower Upper
64 100
66 43.1 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.097 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion: 59 Resp: 527
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

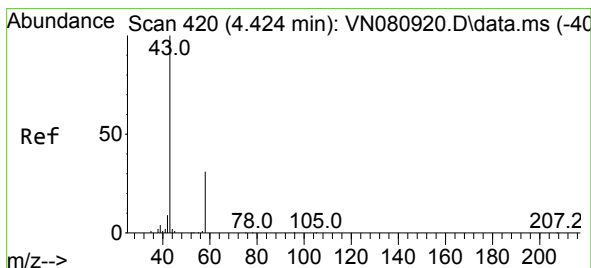
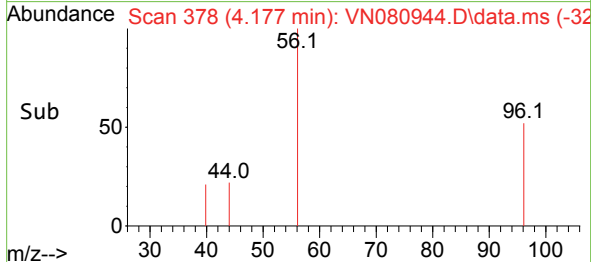
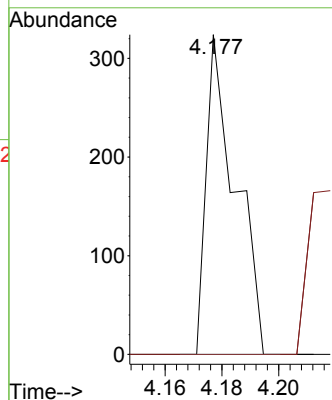
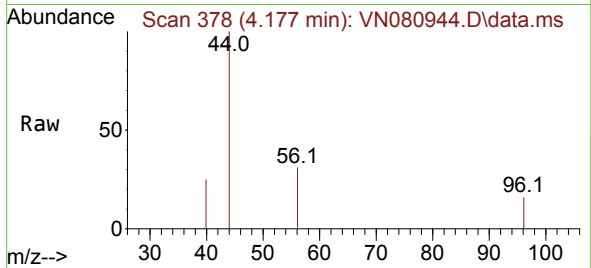




#13
Acrolein
Concen: 0.382 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

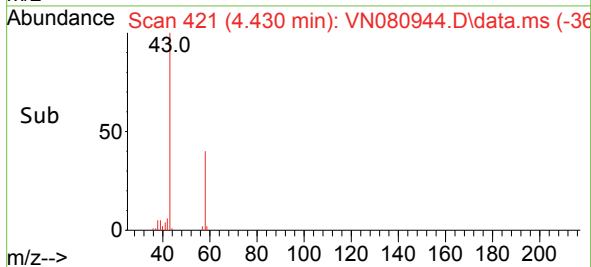
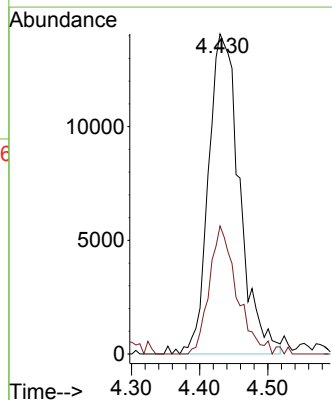
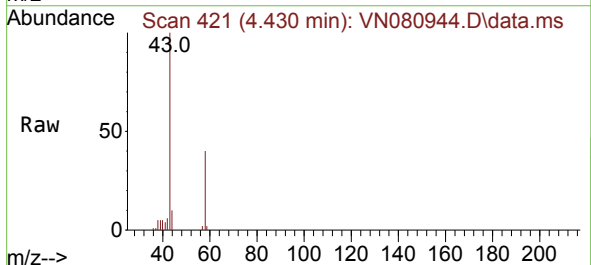
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#08

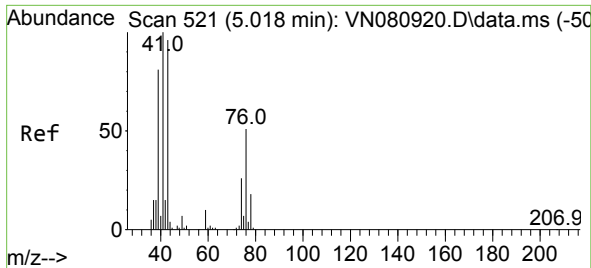
Tgt Ion: 56 Resp: 231
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 38.904 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion: 43 Resp: 44622
Ion Ratio Lower Upper
43 100
58 42.0 24.8 37.2#

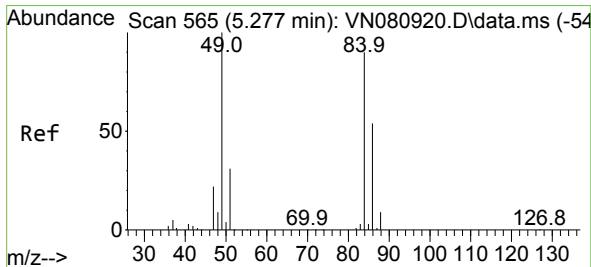
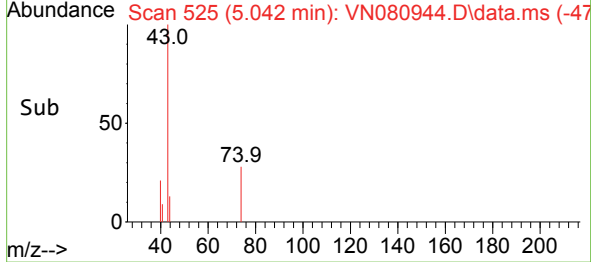
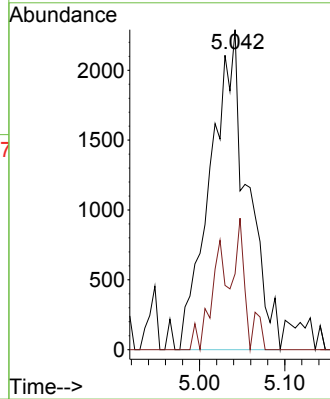
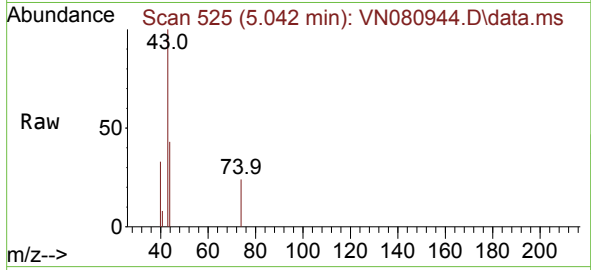




#18
Methyl Acetate
Concen: Below Cal
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

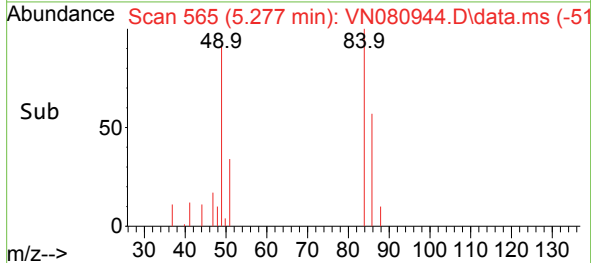
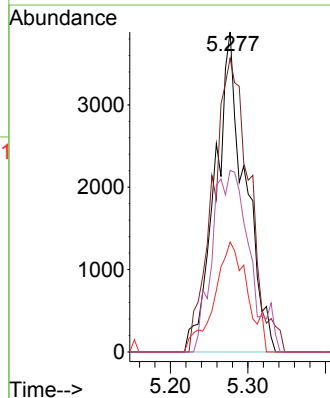
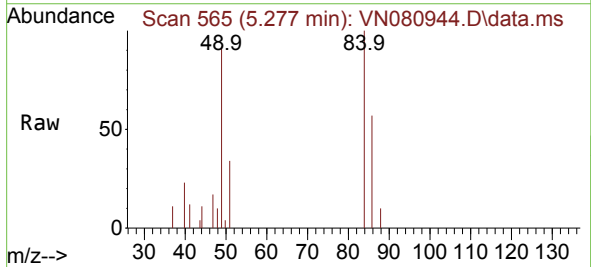
Instrument :
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ClientSampleId :
PB158850ZHE#08

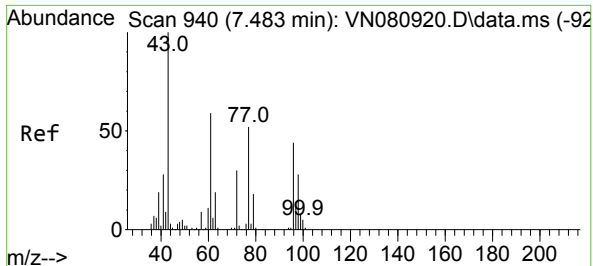
Tgt Ion: 43 Resp: 6938
Ion Ratio Lower Upper
43 100
74 9.7 17.3 25.9#



#20
Methylene Chloride
Concen: 3.014 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion: 84 Resp: 10473
Ion Ratio Lower Upper
84 100
49 91.8 108.1 162.1#
51 34.4 32.9 49.3
86 56.8 48.6 73.0

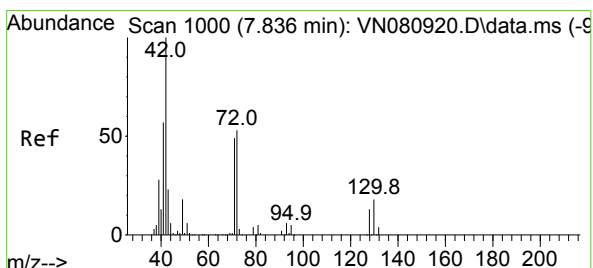
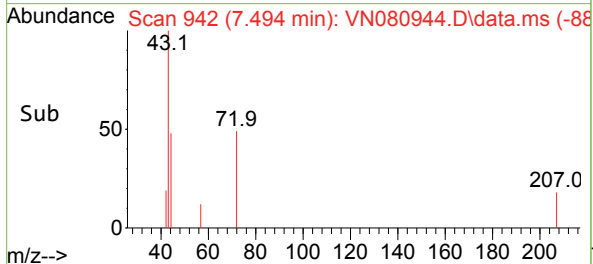
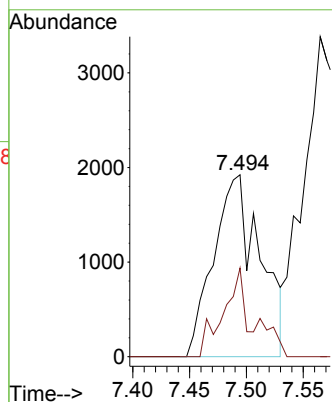
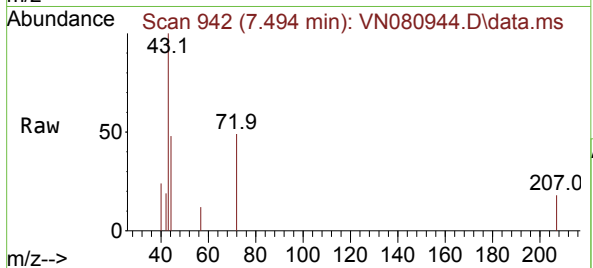




#25
2-Butanone
Concen: 2.963 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

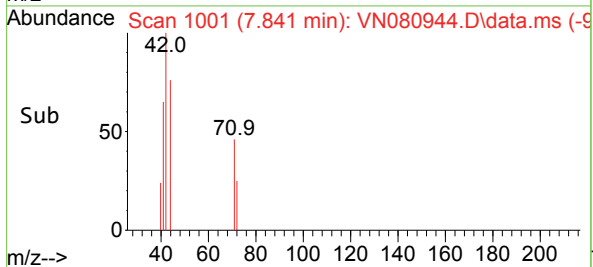
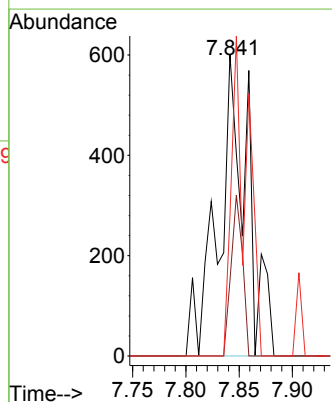
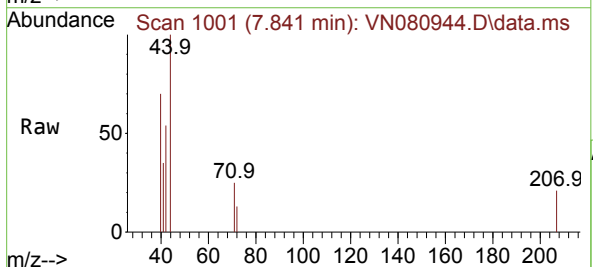
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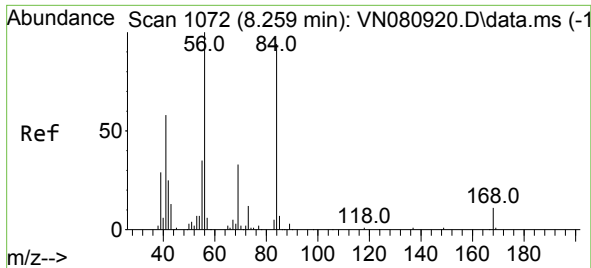
Tgt Ion: 43 Resp: 5455
Ion Ratio Lower Upper
43 100
72 48.7 19.5 29.3#



#29
Tetrahydrofuran
Concen: 1.008 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion: 42 Resp: 1135
Ion Ratio Lower Upper
42 100
72 20.9 31.1 46.7#
71 58.8 28.3 42.5#

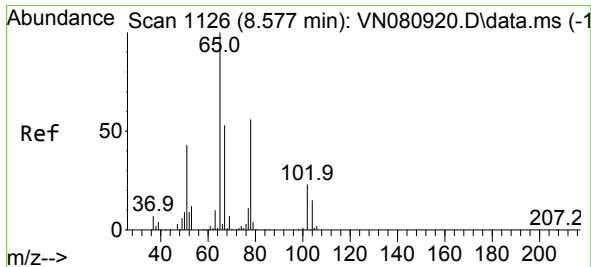
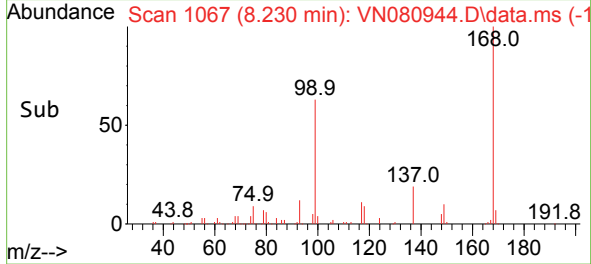
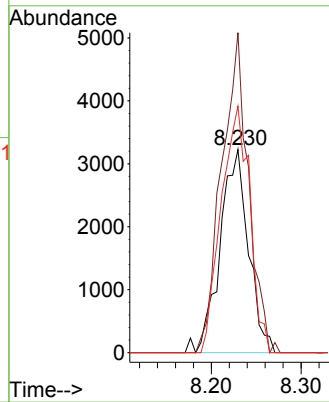
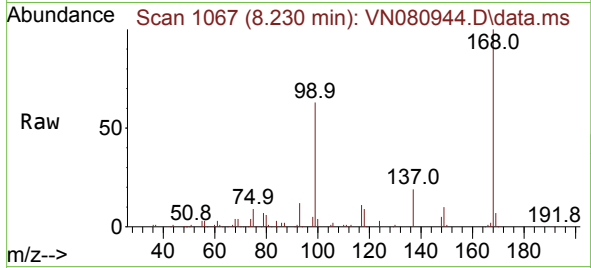




#31
Cyclohexane
Concen: 1.488 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

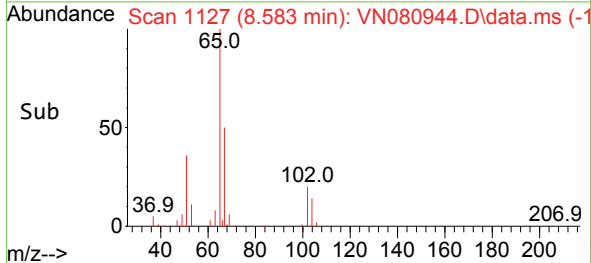
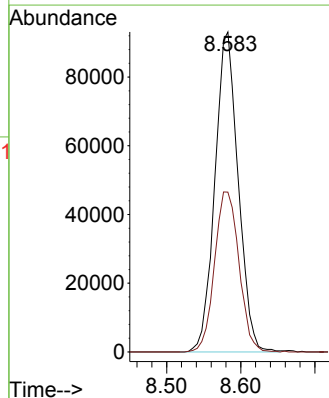
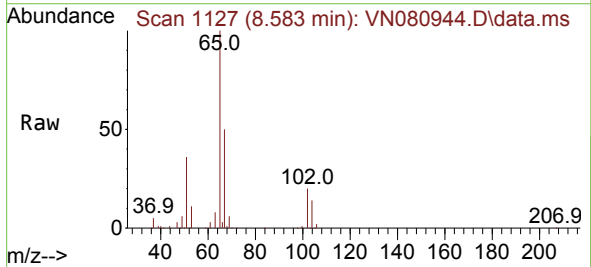
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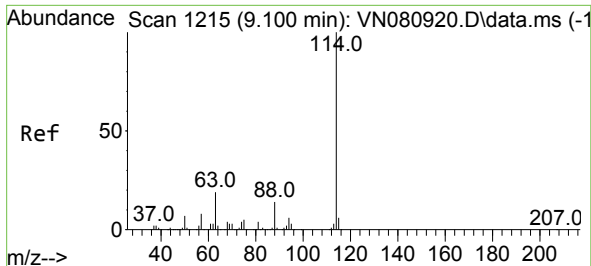
Tgt Ion: 56 Resp: 7091
Ion Ratio Lower Upper
56 100
69 157.4 20.1 30.1#
84 121.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 58.253 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion: 65 Resp: 203089
Ion Ratio Lower Upper
65 100
67 52.6 0.0 102.4

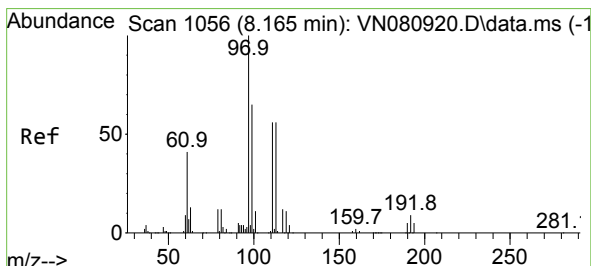
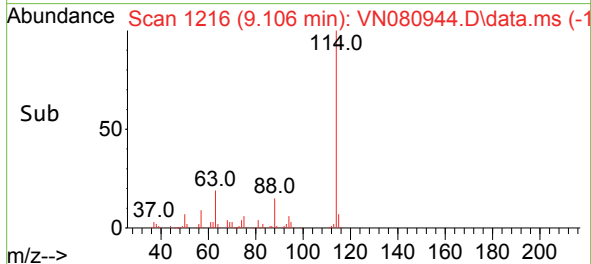
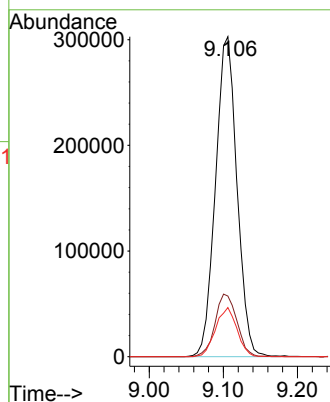
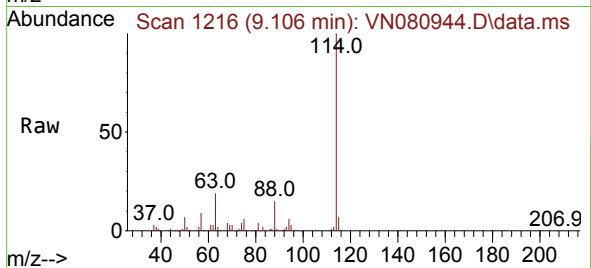




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

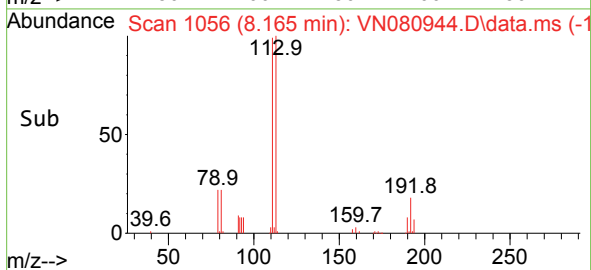
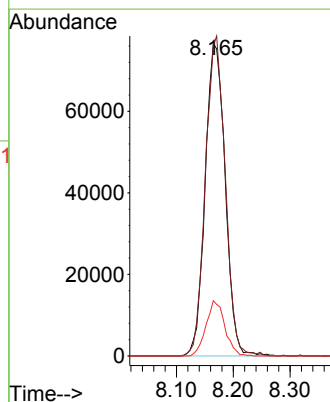
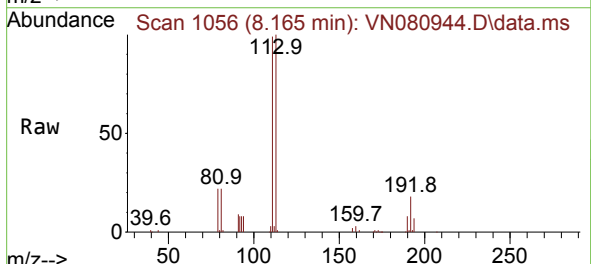
Instrument :
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ClientSampleId :
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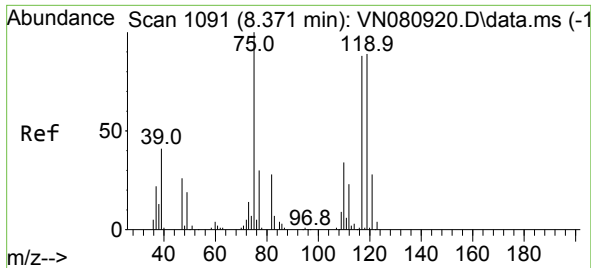
Tgt Ion:114 Resp: 609234
Ion Ratio Lower Upper
114 100
63 18.9 0.0 48.0
88 15.4 0.0 34.8



#35
Dibromofluoromethane
Concen: 57.279 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion:113 Resp: 187252
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.4
192 16.7 12.5 18.7

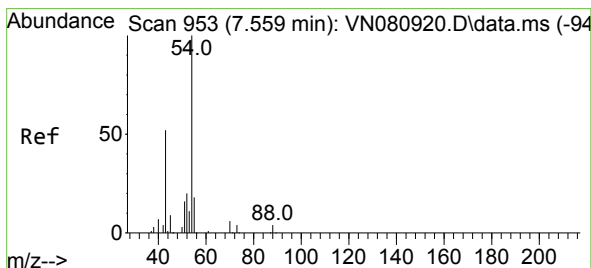
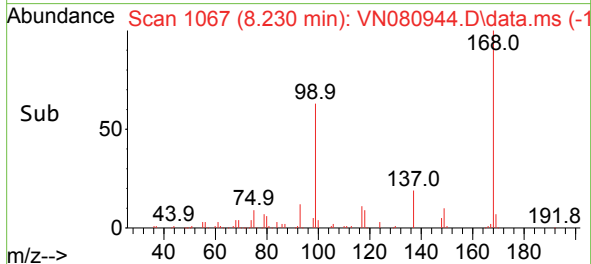
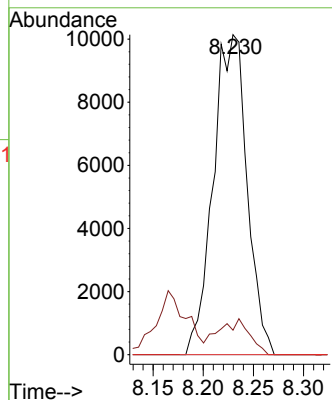
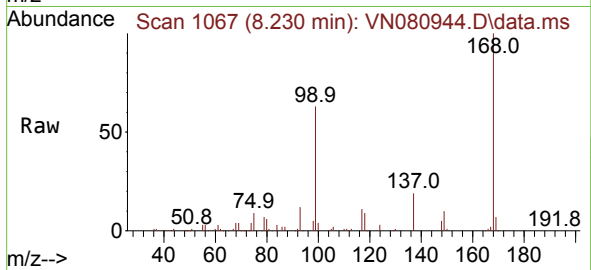




#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

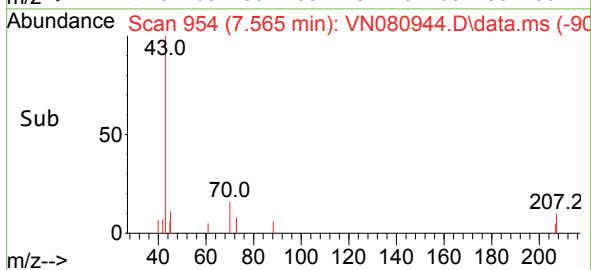
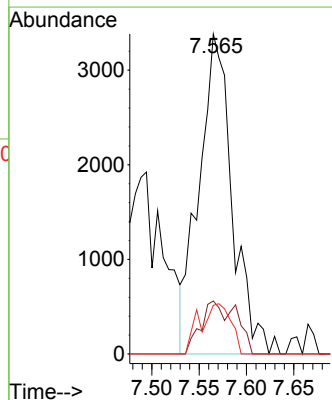
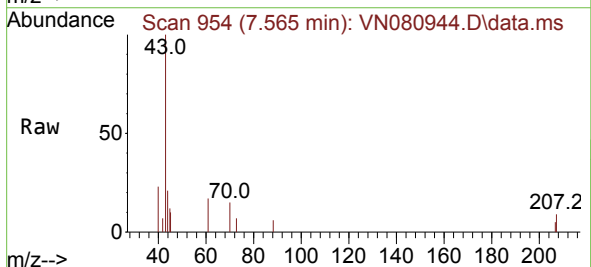
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#08

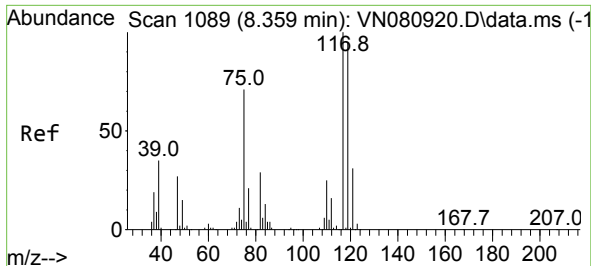
Tgt Ion: 75 Resp: 23785
Ion Ratio Lower Upper
75 100
110 10.4 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 2.249 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

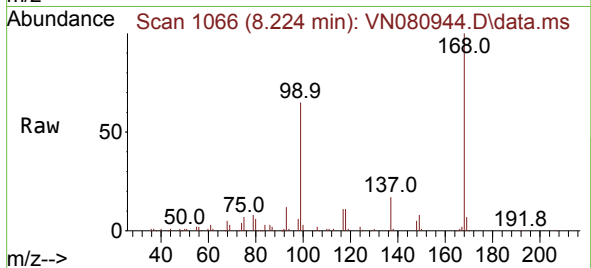
Tgt Ion: 43 Resp: 8277
Ion Ratio Lower Upper
43 100
61 11.1 10.6 15.8
70 10.7 8.0 12.0



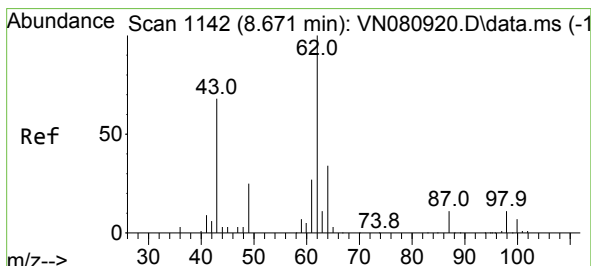
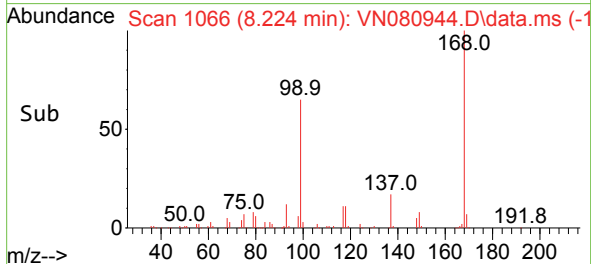
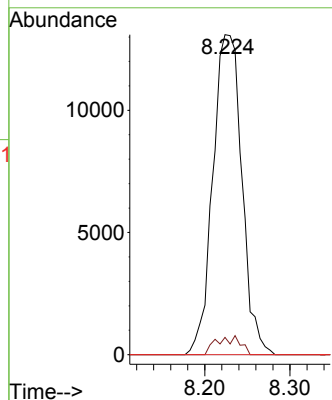


#38
Carbon Tetrachloride
Concen: 6.208 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#08

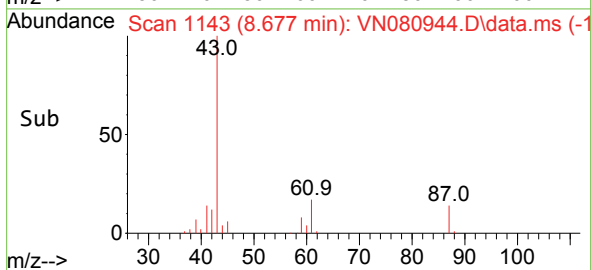
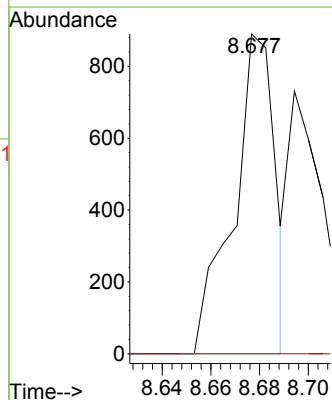
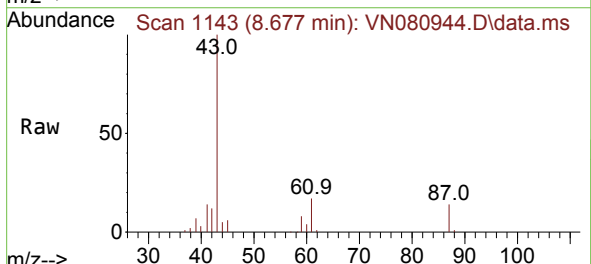


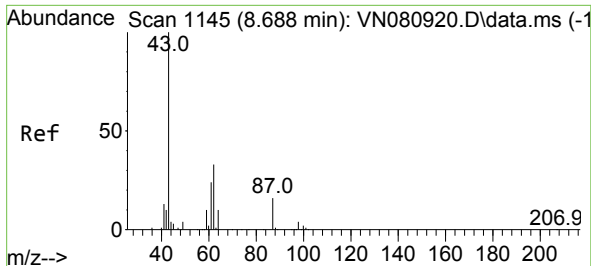
Tgt Ion:117 Resp: 30949
Ion Ratio Lower Upper
117 100
119 5.4 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.205 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion: 62 Resp: 1059
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0

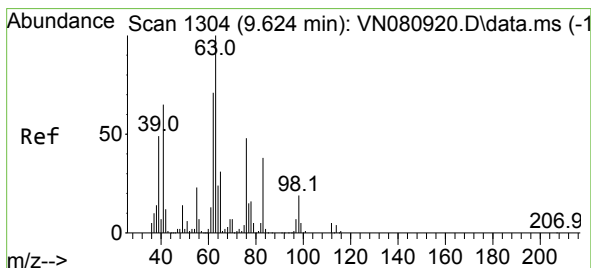
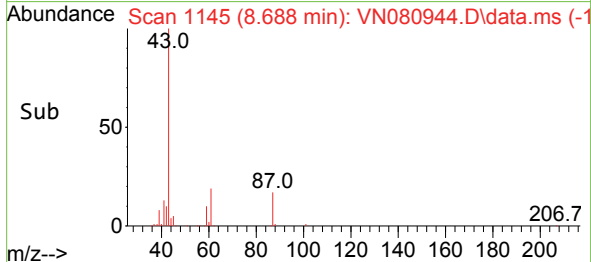
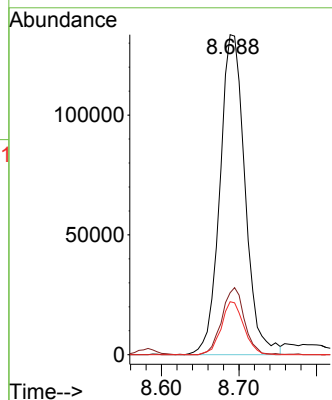
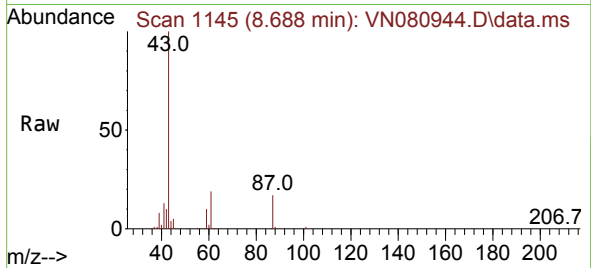




#43
Isopropyl Acetate
Concen: 44.556 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

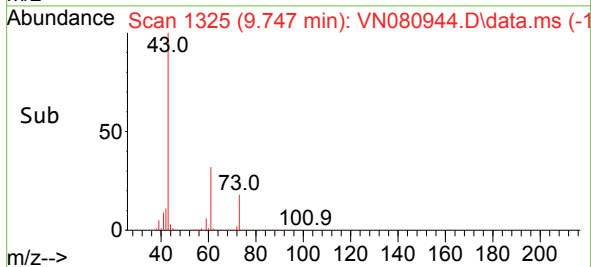
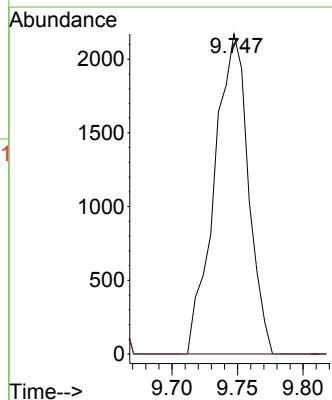
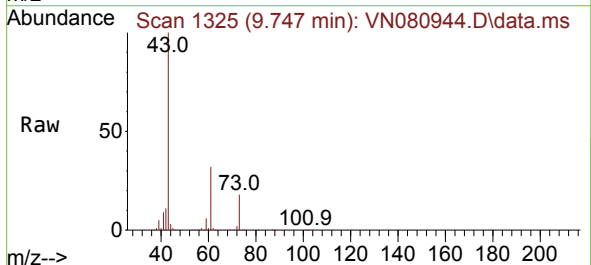
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#08

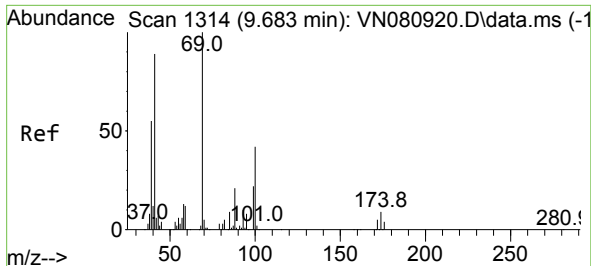
Tgt Ion: 43 Resp: 301510
Ion Ratio Lower Upper
43 100
61 18.8 19.9 29.9#
87 14.8 9.0 13.6#



#45
1,2-Dichloropropane
Concen: 0.981 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion: 63 Resp: 3917
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

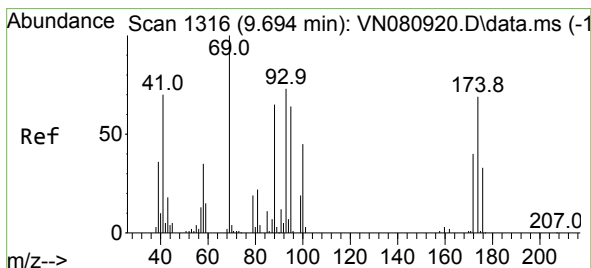
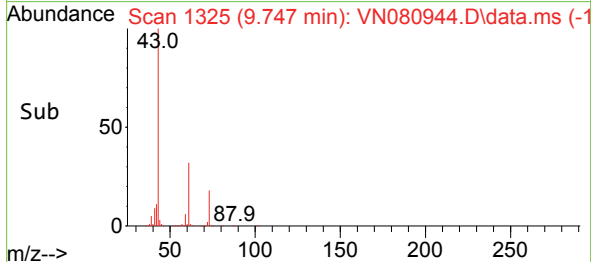
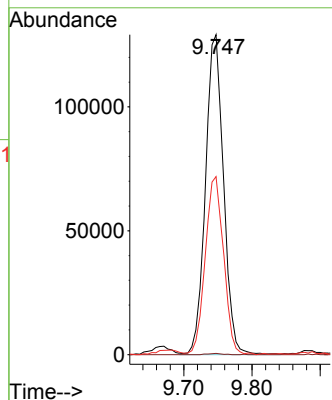
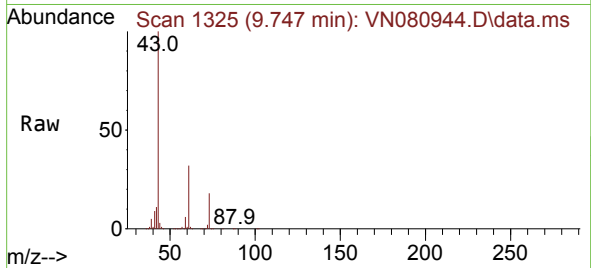




#48
Methyl methacrylate
Concen: 62.448 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

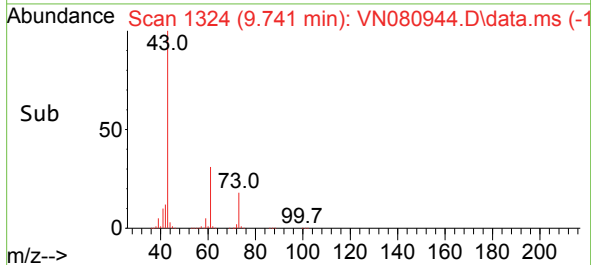
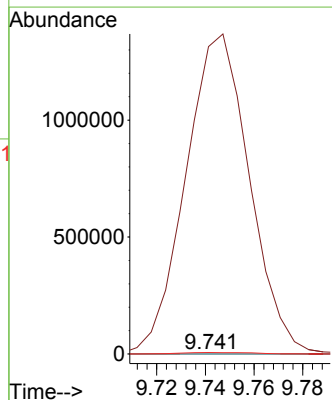
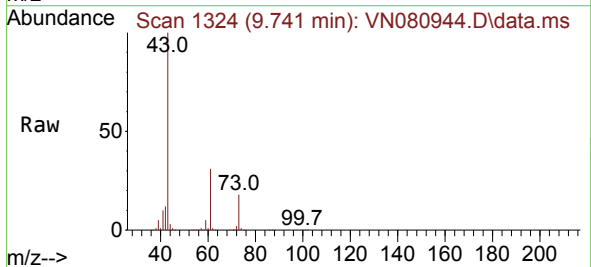
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#08

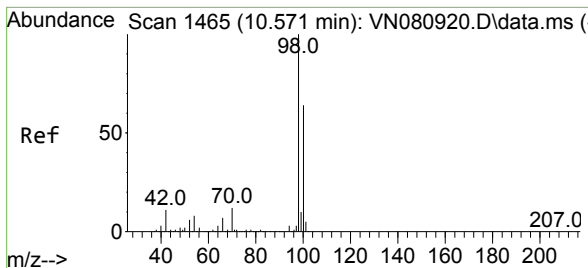
Tgt Ion: 41 Resp: 238090
Ion Ratio Lower Upper
41 100
69 0.3 62.2 93.2#
39 56.6 47.6 71.4



#49
1,4-Dioxane
Concen: 3.750 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion: 88 Resp: 264
Ion Ratio Lower Upper
88 100
43 946315.9 30.1 45.1#
58 4949.6 63.9 95.9#

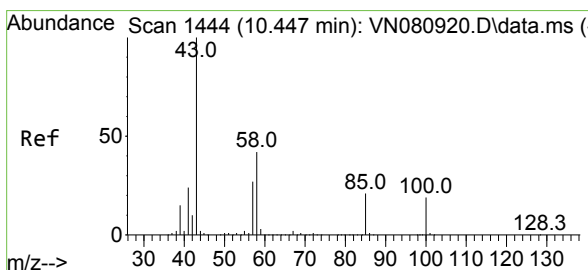
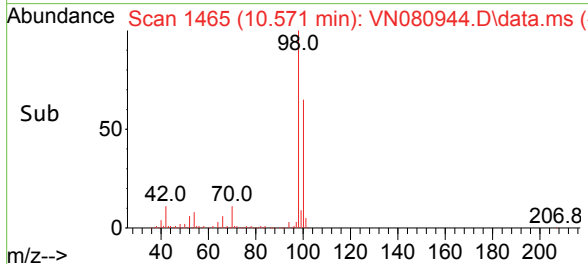
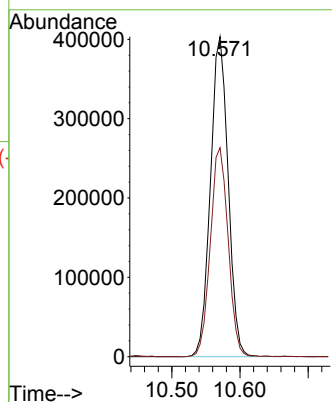
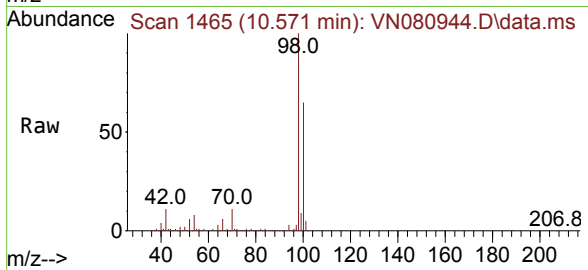




#50
Toluene-d8
Concen: 61.670 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

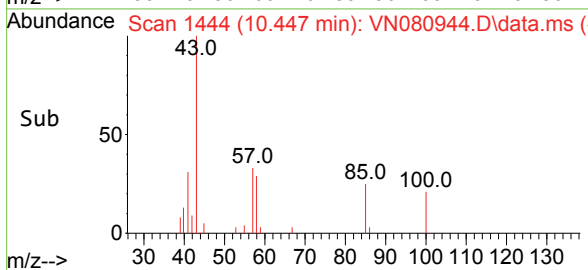
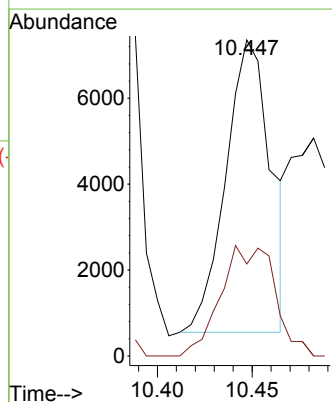
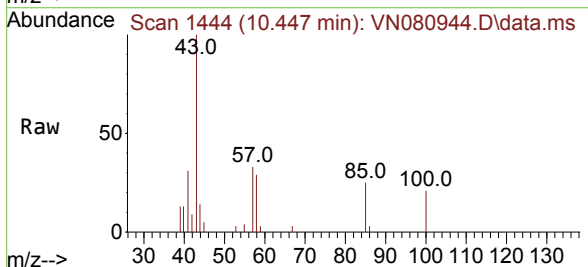
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#08

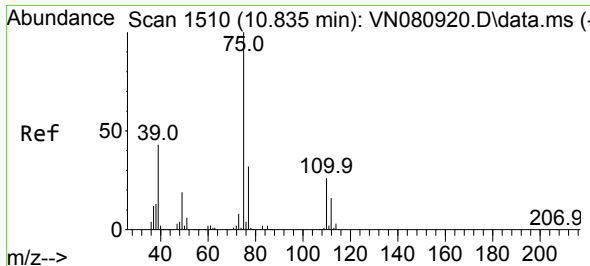
Tgt Ion: 98 Resp: 729233
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.765 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

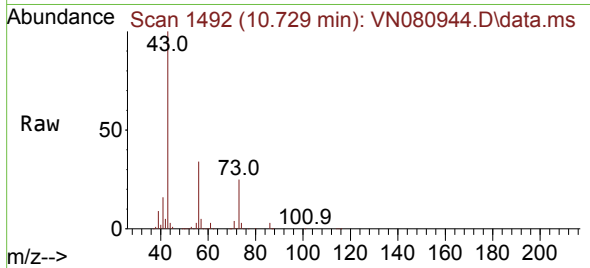
Tgt Ion: 43 Resp: 11277
Ion Ratio Lower Upper
43 100
58 45.1 29.4 44.0#



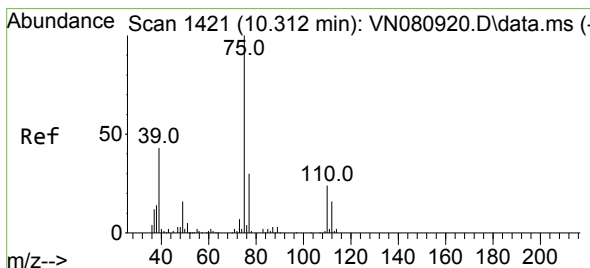
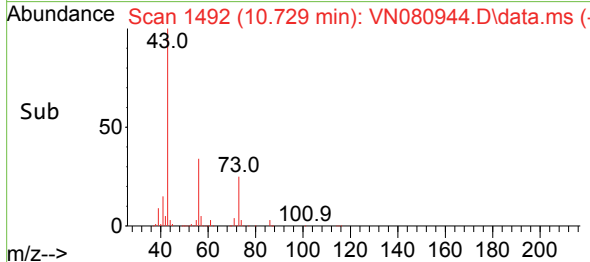
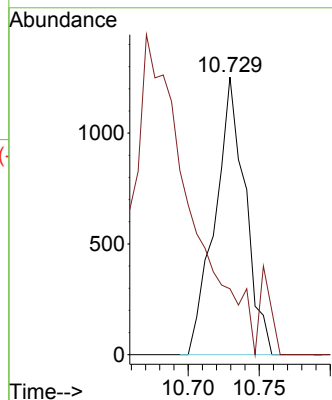


#53
t-1,3-Dichloropropene
Concen: 0.332 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#08

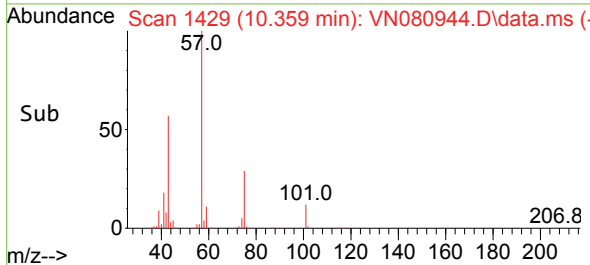
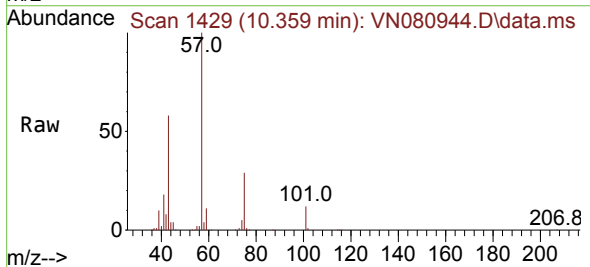
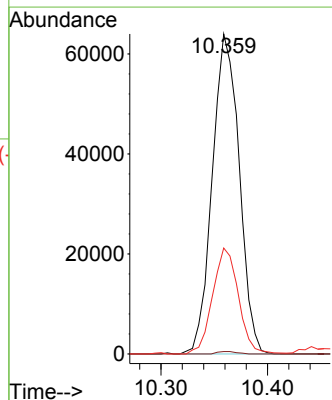


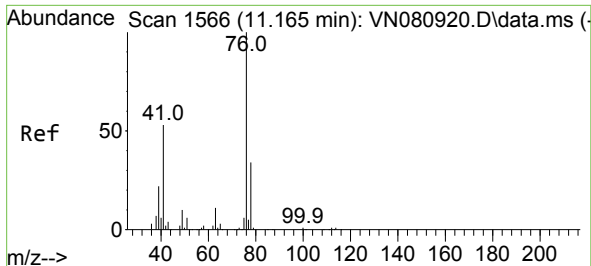
Tgt Ion: 75 Resp: 1854
Ion Ratio Lower Upper
75 100
77 23.8 25.5 38.3#



#54
cis-1,3-Dichloropropene
Concen: 17.897 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion: 75 Resp: 112301
Ion Ratio Lower Upper
75 100
77 0.8 23.3 34.9#
39 33.1 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 2.272 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN080944.D

Acq: 07 Feb 2024 18:27

Instrument :

MSVOA_N

ClientSampleId :

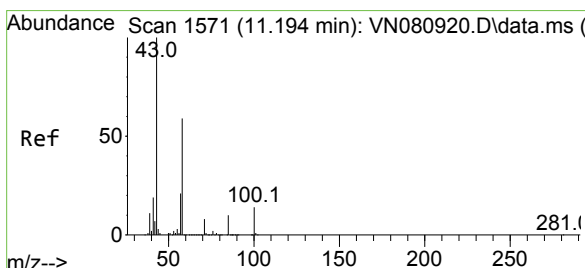
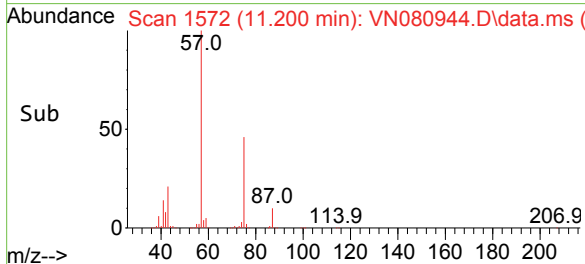
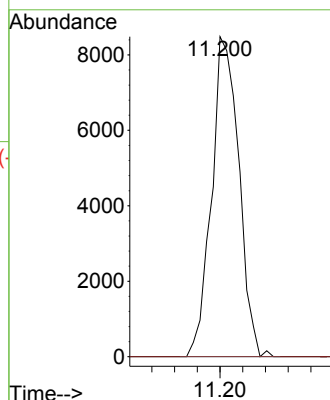
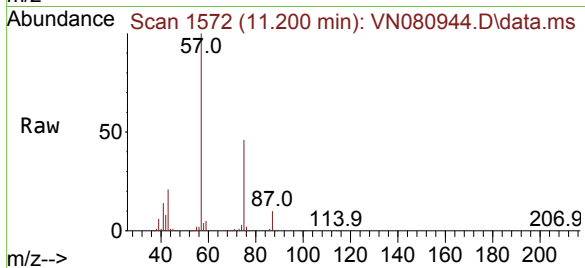
PB158850ZHE#08

Tgt Ion: 76 Resp: 14127

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 45.322 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN080944.D

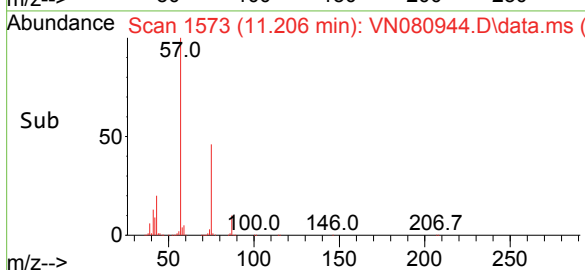
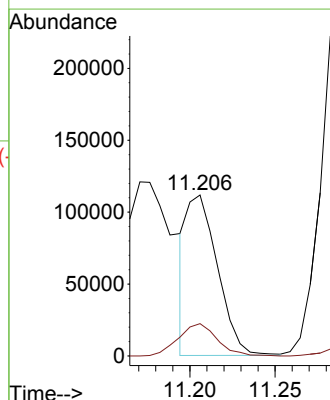
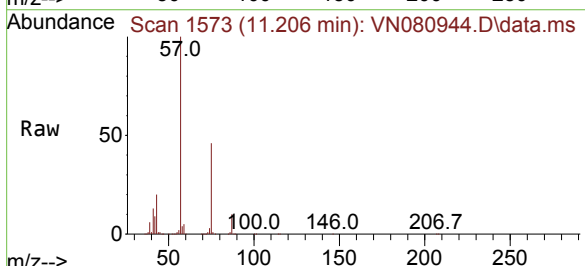
Acq: 07 Feb 2024 18:27

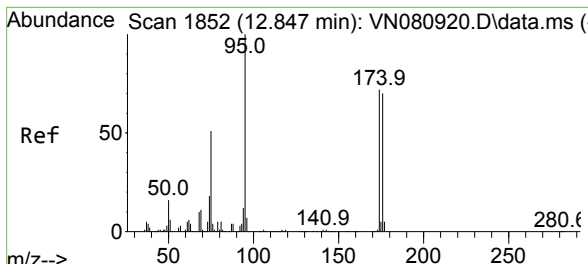
Tgt Ion: 43 Resp: 140085

Ion Ratio Lower Upper

43 100

58 25.4 25.9 77.8#

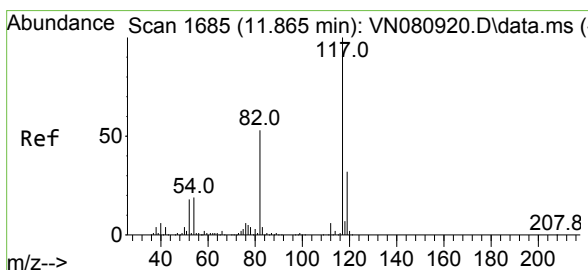
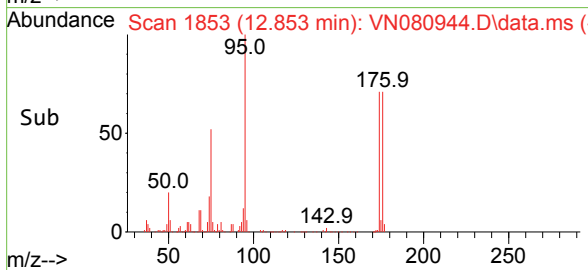
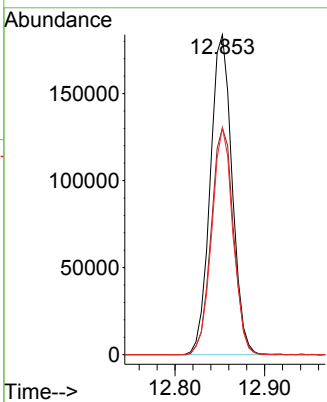
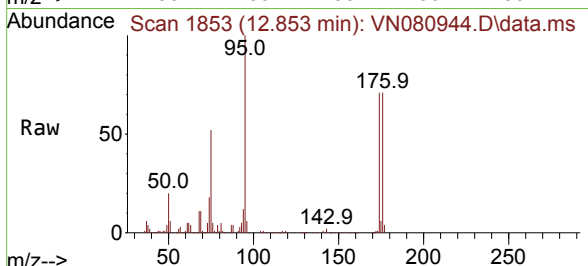




#62
4-Bromofluorobenzene
Concen: 72.187 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

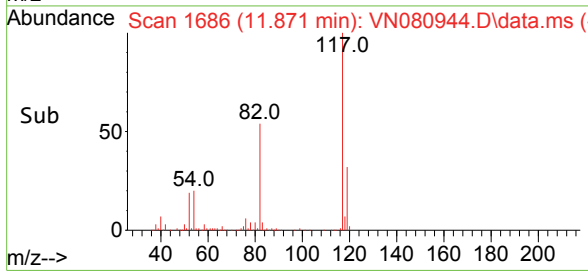
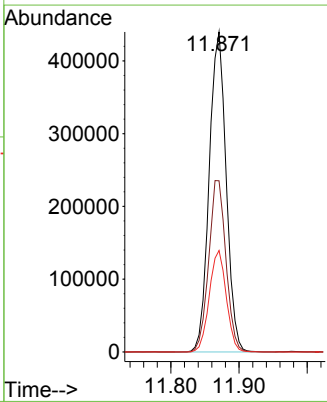
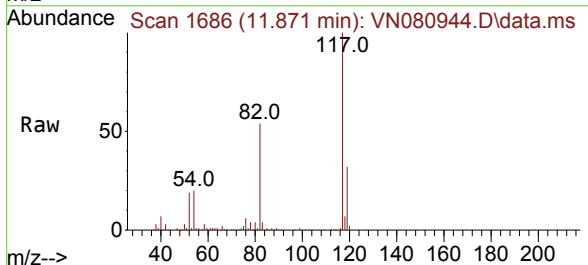
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#08

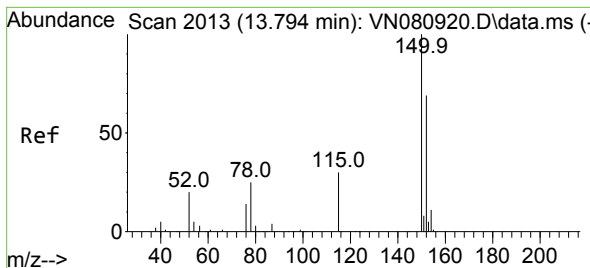
Tgt Ion:	95	Resp:	310090
Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	120.4
176	69.2	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion:	117	Resp:	761427
Ion	Ratio	Lower	Upper
117	100		
82	53.5	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: VN080944.D

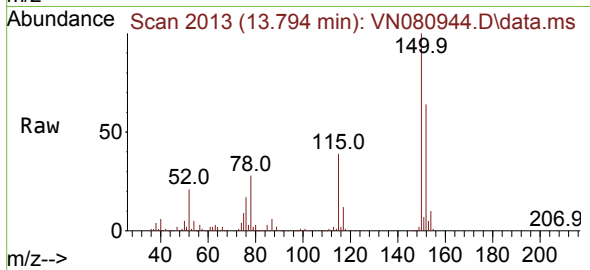
Acq: 07 Feb 2024 18:27

Instrument :

MSVOA_N

ClientSampleId :

PB158850ZHE#08



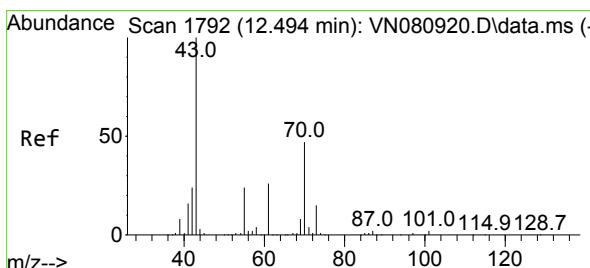
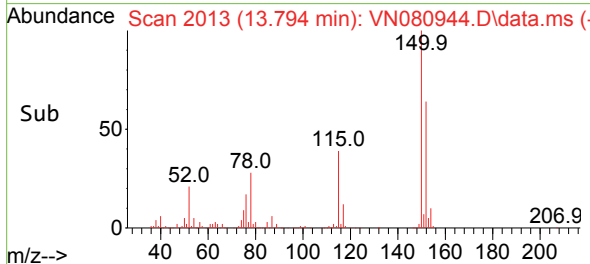
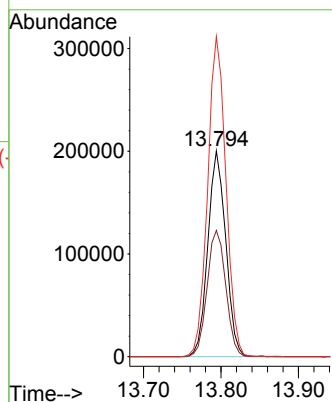
Tgt Ion:152 Resp: 321564

Ion Ratio Lower Upper

152 100

115 64.0 32.3 96.8

150 158.6 0.0 339.8



#74

N-ethyl acetate

Concen: 0.378 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN080944.D

Acq: 07 Feb 2024 18:27

Tgt Ion: 43 Resp: 3412

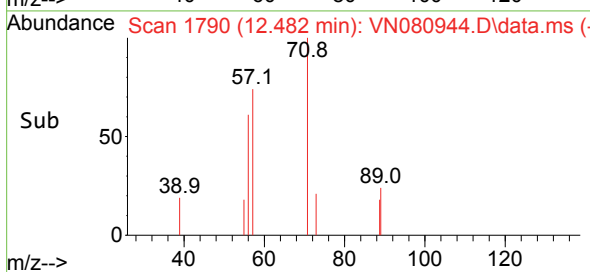
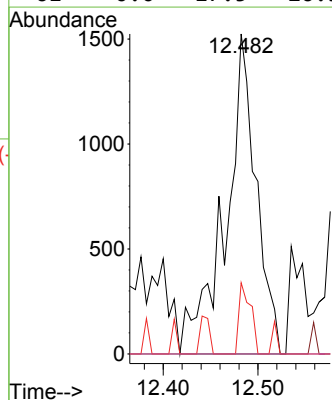
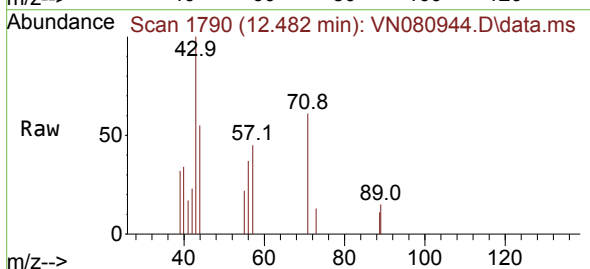
Ion Ratio Lower Upper

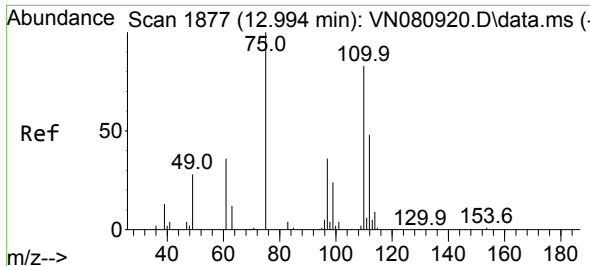
43 100

70 0.0 30.1 45.1#

55 8.4 17.0 25.4#

61 0.0 17.5 26.3#

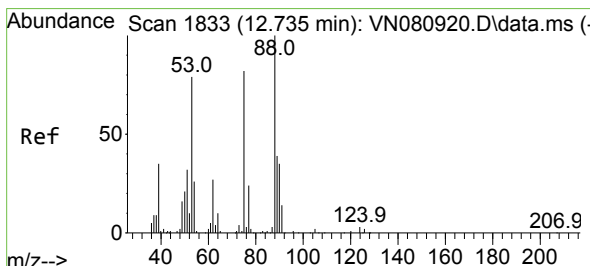
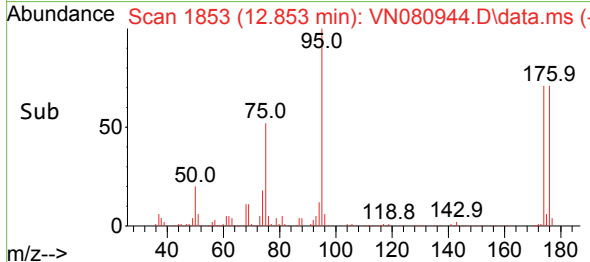
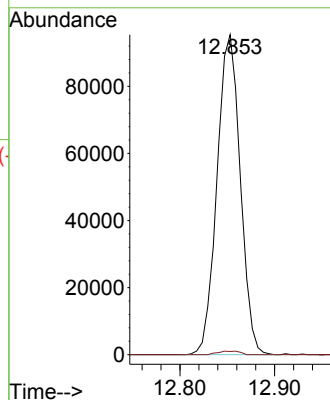
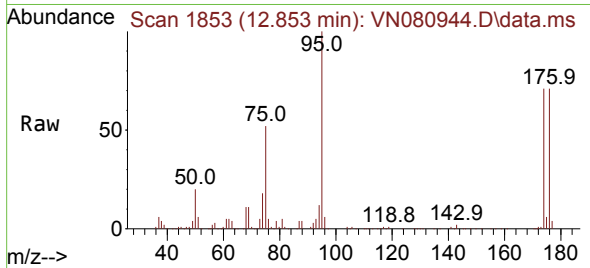




#76
1,2,3-Trichloropropane
Concen: 24.813 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#08

Tgt Ion: 75 Resp: 162687
Ion Ratio Lower Upper
75 100
77 1.0 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.414 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080944.D
Acq: 07 Feb 2024 18:27

Tgt Ion: 75 Resp: 162687
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

