

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020724\
 Data File : VN080937.D
 Acq On : 07 Feb 2024 15:15
 Operator : JC\MD
 Sample : PB158850TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB158850TB

Quant Time: Feb 08 00:26:44 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)

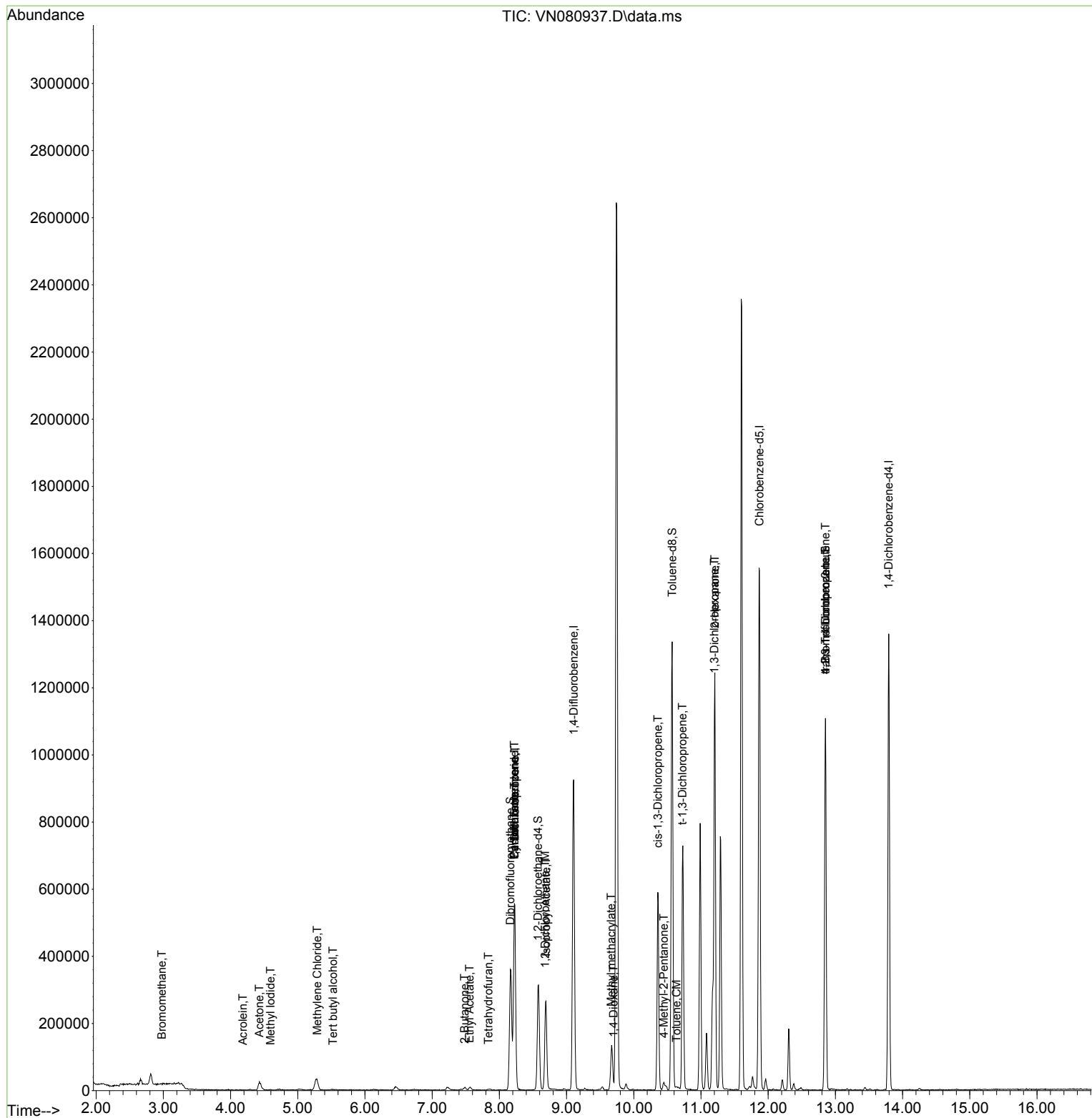
Internal Standards						
1) Pentafluorobenzene	8.224	168	422913	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	852341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	971358	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	364296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	255792	47.945	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.900%		
35) Dibromofluoromethane	8.165	113	258778	56.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	113.160%		
50) Toluene-d8	10.571	98	934335	56.478	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	112.960%		
62) 4-Bromofluorobenzene	12.853	95	377926	62.885	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	125.780%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	4153	Below Cal	#	80
5) Bromomethane	2.977	94	2337	0.581	ug/l #	64
10) Methyl Iodide	4.594	142	1009	0.226	ug/l #	74
11) Tert butyl alcohol	5.524	59	1177	1.601	ug/l #	72
13) Acrolein	4.183	56	332	0.358	ug/l #	59
16) Acetone	4.430	43	44510	25.358	ug/l #	88
18) Methyl Acetate	5.030	43	5960	Below Cal	#	77
20) Methylene Chloride	5.289	84	29068	5.466	ug/l #	68
25) 2-Butanone	7.483	43	11897	4.223	ug/l #	89
29) Tetrahydrofuran	7.835	42	1085	0.630	ug/l #	84
31) Cyclohexane	8.224	56	9283	1.273	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	30790	4.525	ug/l #	51
37) Ethyl Acetate	7.559	43	11319	2.199	ug/l #	93
38) Carbon Tetrachloride	8.224	117	45059	6.460	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1977	0.274	ug/l #	75
43) Isopropyl Acetate	8.694	43	296745	31.344	ug/l #	92
48) Methyl methacrylate	9.665	41	8635	1.619	ug/l #	45
49) 1,4-Dioxane	9.700	88	110	1.117	ug/l #	18
51) 4-Methyl-2-Pentanone	10.447	43	20432	3.581	ug/l #	85
52) Toluene	10.635	92	3469	0.250	ug/l	84
53) t-1,3-Dichloropropene	10.724	75	2248	0.287	ug/l #	62
54) cis-1,3-Dichloropropene	10.359	75	115605	13.169	ug/l #	59
57) 1,3-Dichloropropane	11.200	76	13240	1.522	ug/l #	44
59) 2-Hexanone	11.206	43	129367	29.917	ug/l	63
76) 1,2,3-Trichloropropane	12.853	75	191202	25.741	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	191202	69.936	ug/l #	14

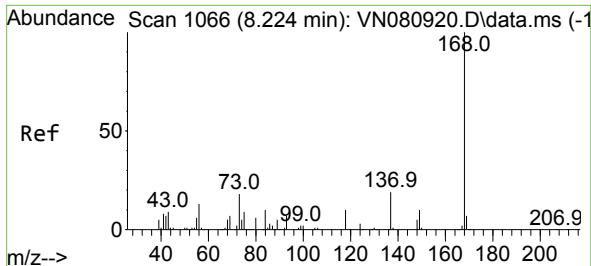
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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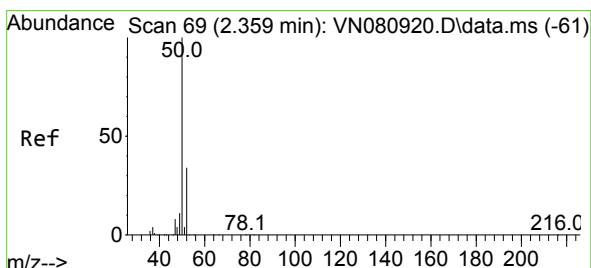
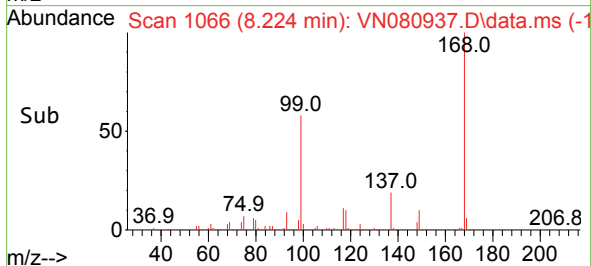
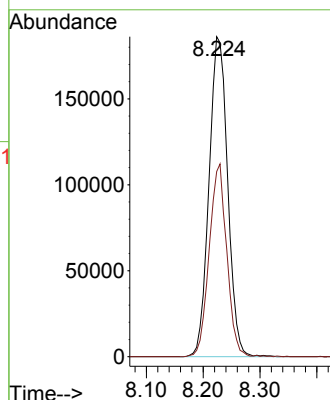
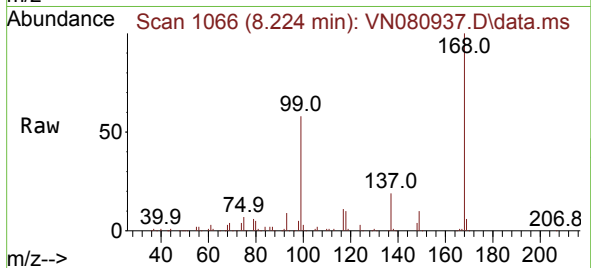




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

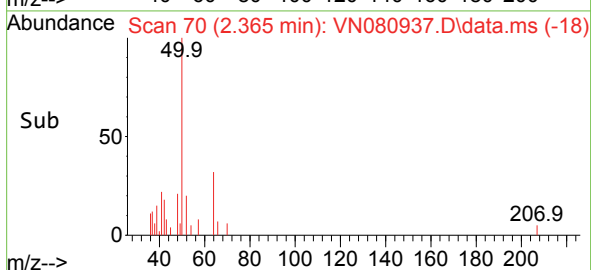
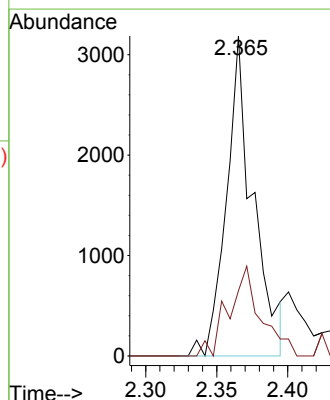
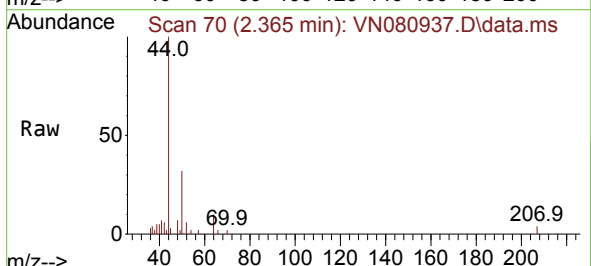
Instrument :
MSVOA_N
ClientSampleId :
PB158850TB

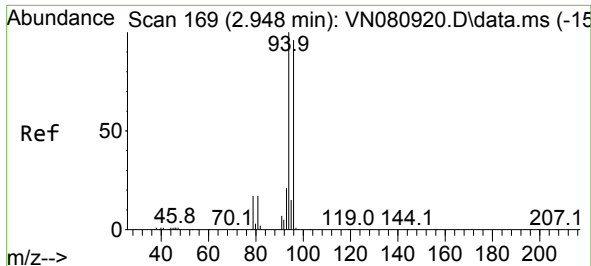
Tgt Ion:168 Resp: 422913
Ion Ratio Lower Upper
168 100
99 57.9 59.9 89.9#



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion: 50 Resp: 4153
Ion Ratio Lower Upper
50 100
52 20.4 25.0 37.4#

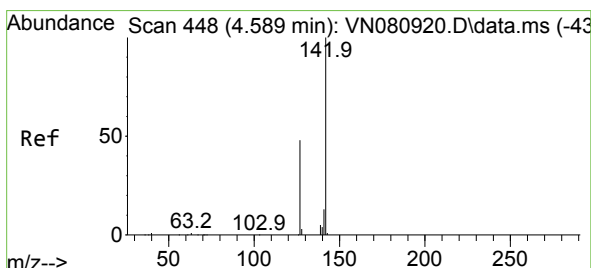
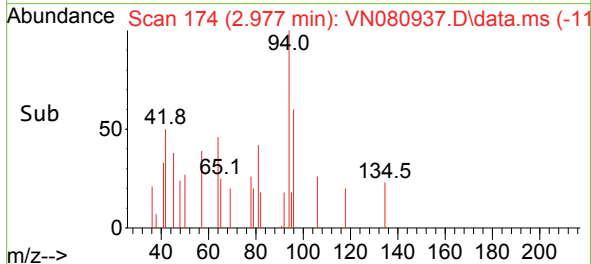
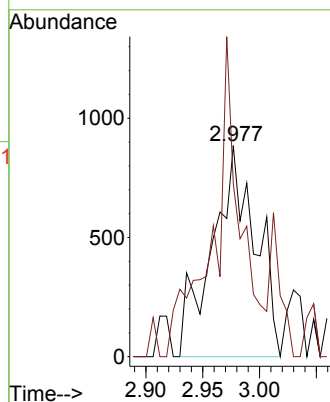
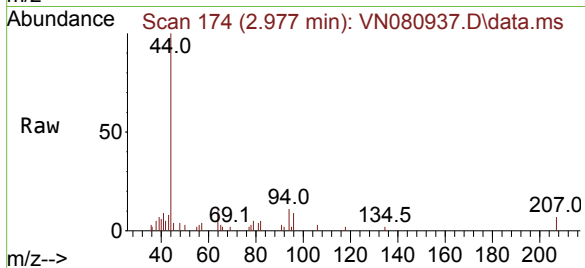




#5
Bromomethane
Concen: 0.581 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

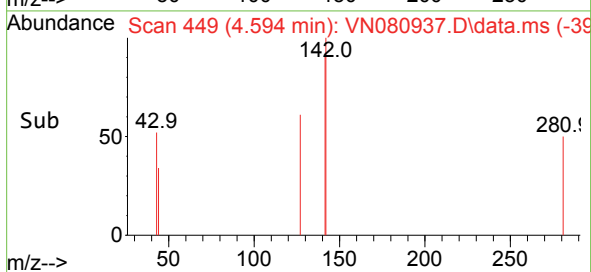
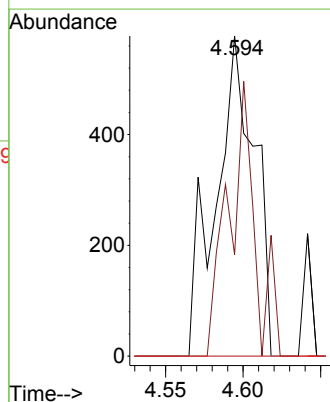
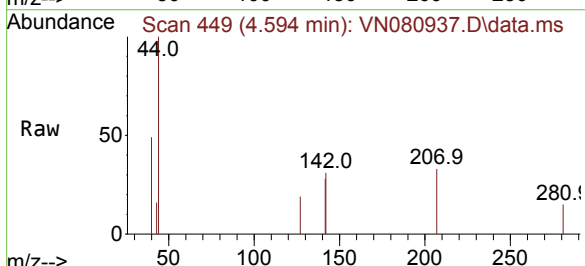
Instrument :
MSVOA_N
ClientSampleId :
PB158850TB

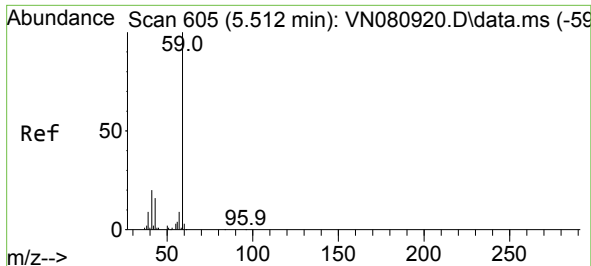
Tgt Ion: 94 Resp: 2337
Ion Ratio Lower Upper
94 100
96 53.0 69.2 103.8#



#10
Methyl Iodide
Concen: 0.226 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion:142 Resp: 1009
Ion Ratio Lower Upper
142 100
127 31.7 37.0 55.4#
141 0.0 12.5 18.7#

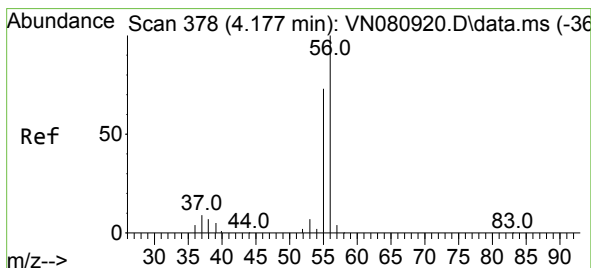
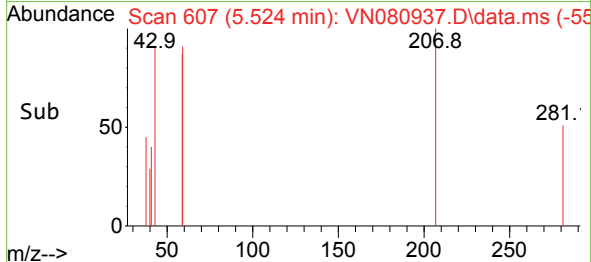
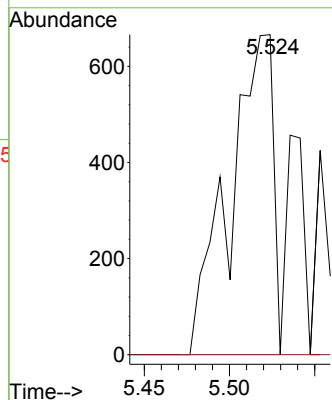
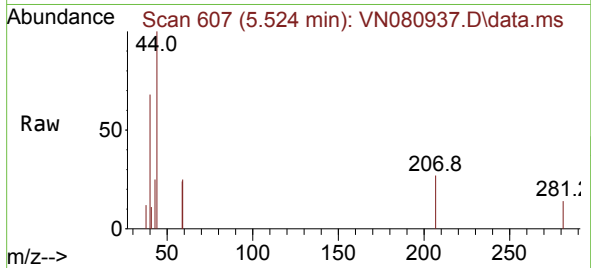




#11
Tert butyl alcohol
Concen: 1.601 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

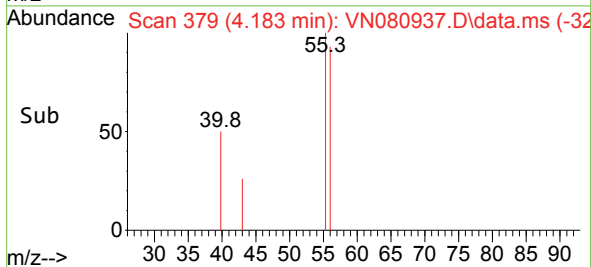
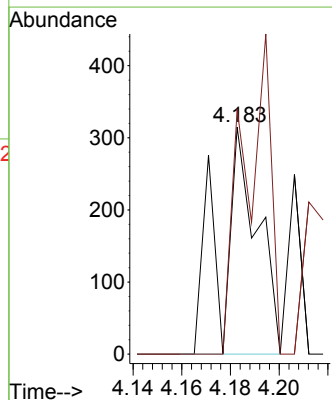
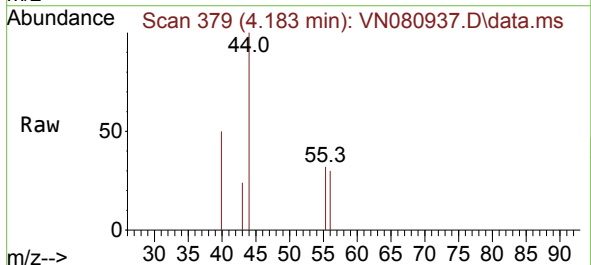
Instrument :
MSVOA_N
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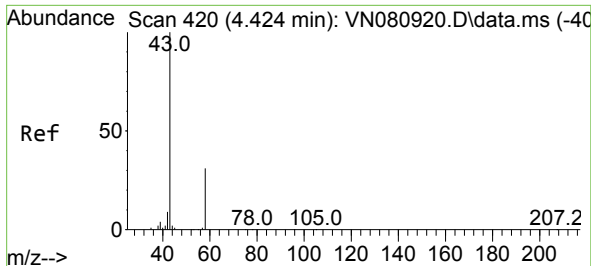
Tgt Ion: 59 Resp: 1177
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.358 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion: 56 Resp: 332
Ion Ratio Lower Upper
56 100
55 102.7 55.3 82.9#

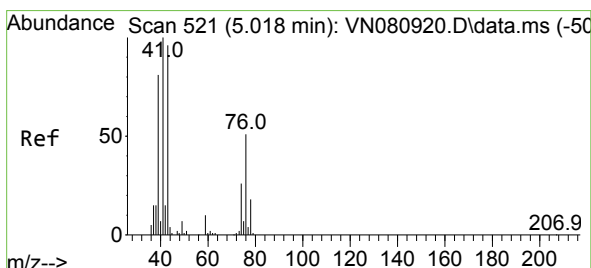
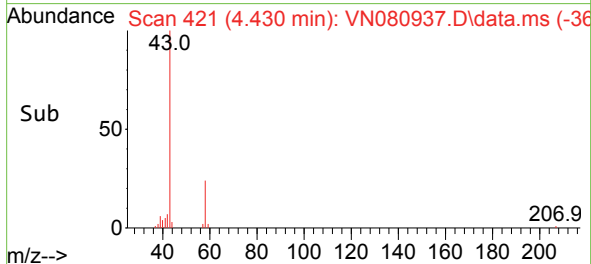
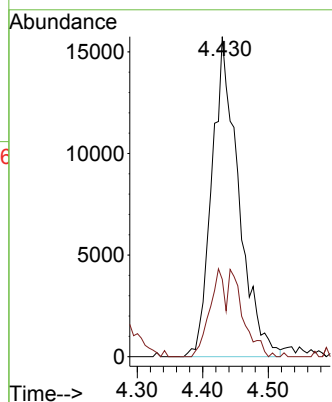
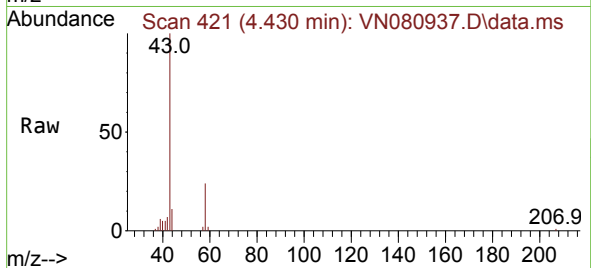




#16
Acetone
Concen: 25.358 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

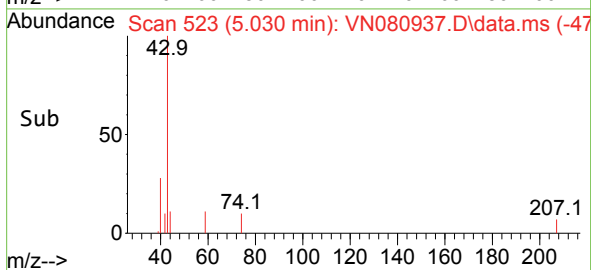
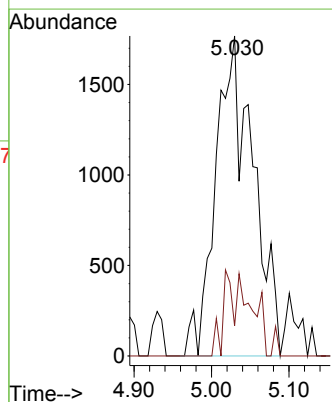
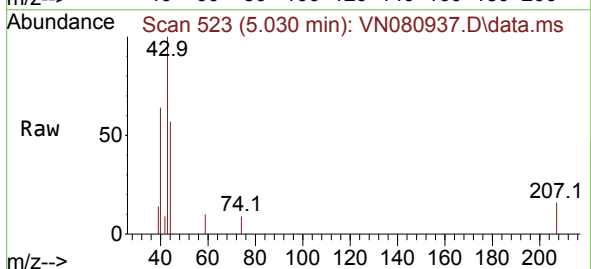
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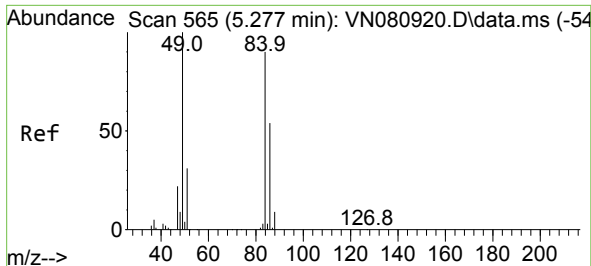
Tgt Ion: 43 Resp: 44510
Ion Ratio Lower Upper
43 100
58 24.2 24.8 37.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion: 43 Resp: 5960
Ion Ratio Lower Upper
43 100
74 10.9 17.3 25.9#

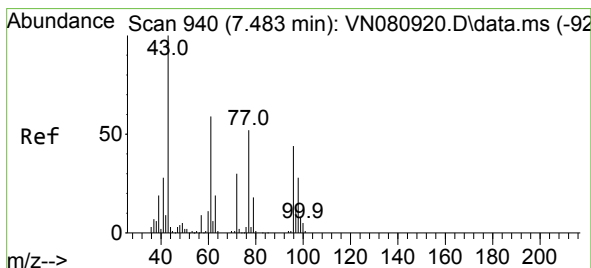
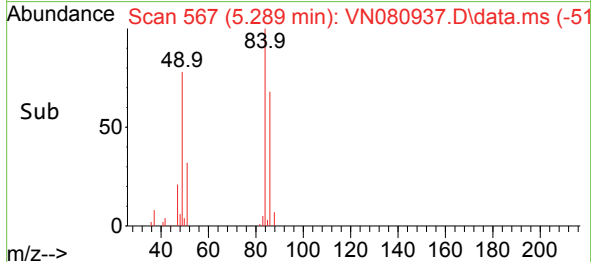
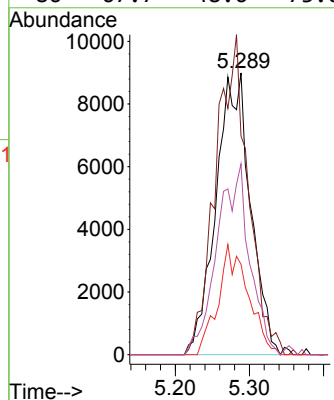
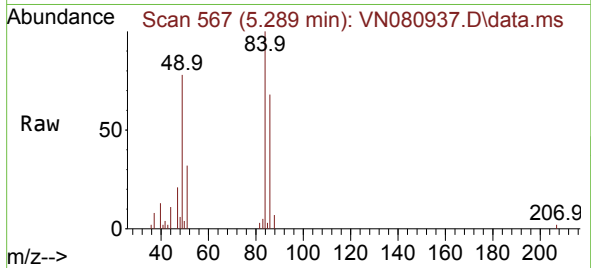




#20
Methylene Chloride
Concen: 5.466 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

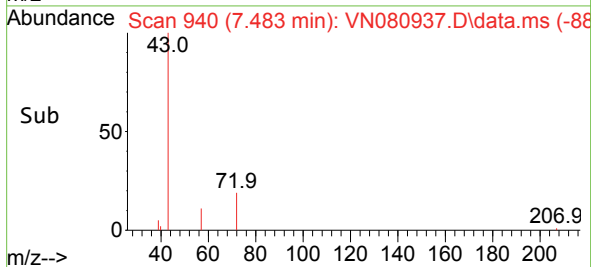
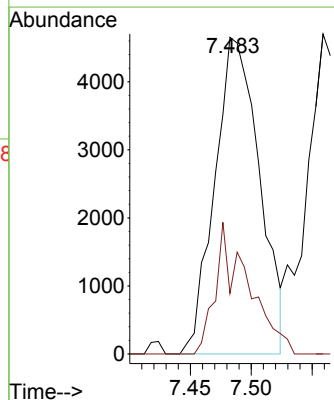
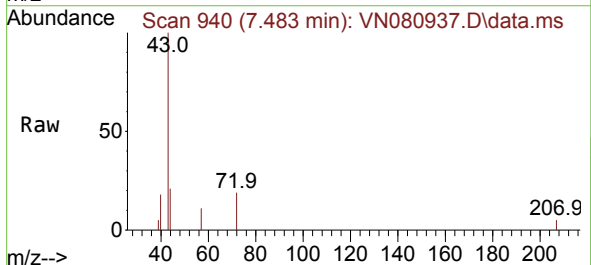
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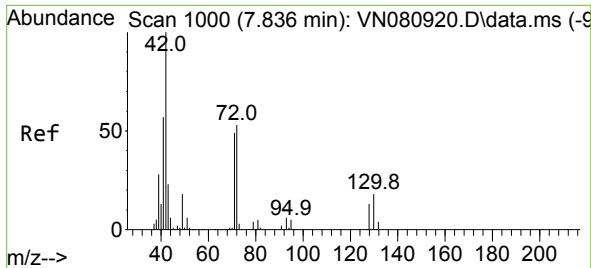
Tgt Ion:	84	Resp:	29068
Ion	Ratio	Lower	Upper
84	100		
49	77.6	108.1	162.1#
51	32.1	32.9	49.3#
86	67.7	48.6	73.0



#25
2-Butanone
Concen: 4.223 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion:	43	Resp:	11897
Ion	Ratio	Lower	Upper
43	100		
72	19.1	19.5	29.3#

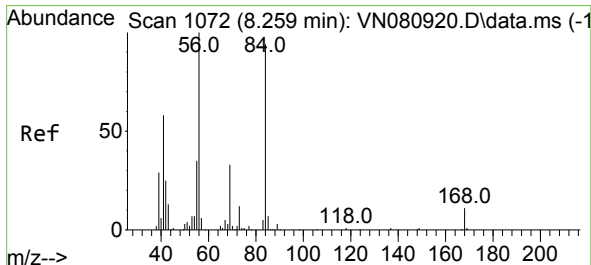
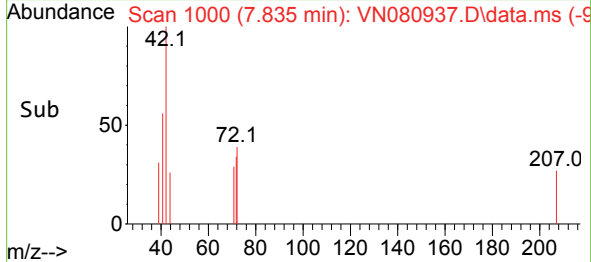
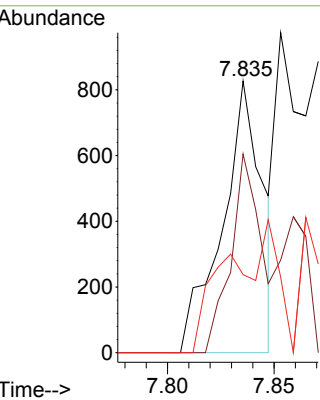
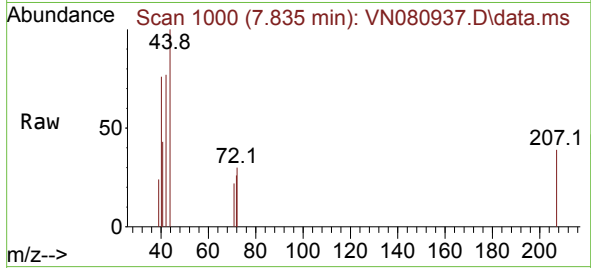




#29
Tetrahydrofuran
Concen: 0.630 ug/l
RT: 7.835 min Scan# 1085
Delta R.T. -0.000 min
Lab File: VN080937.D
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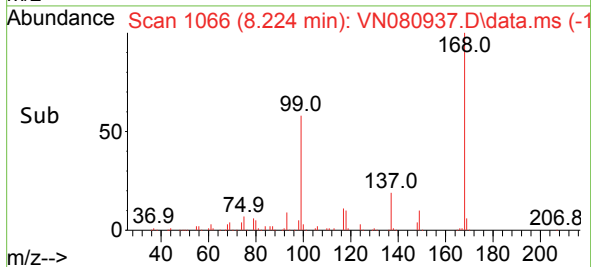
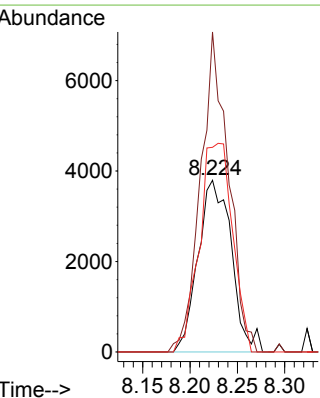
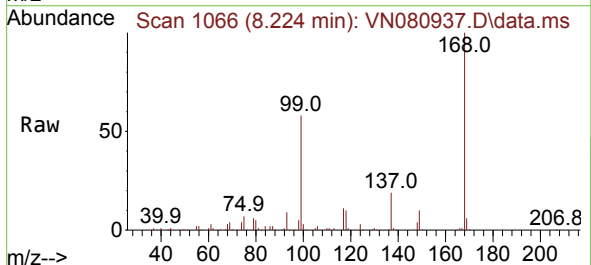
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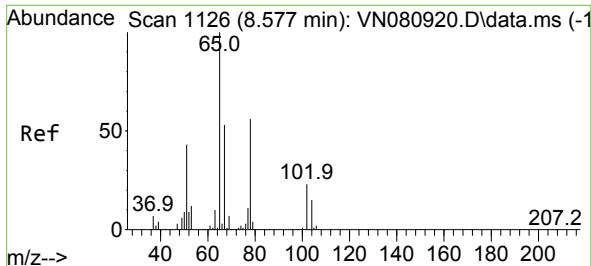
Tgt Ion: 42 Resp: 1085
Ion Ratio Lower Upper
42 100
72 53.7 31.1 46.7#
71 39.7 28.3 42.5



#31
Cyclohexane
Concen: 1.273 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion: 56 Resp: 9283
Ion Ratio Lower Upper
56 100
69 186.3 20.1 30.1#
84 119.2 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 47.945 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080937.D

Acq: 07 Feb 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

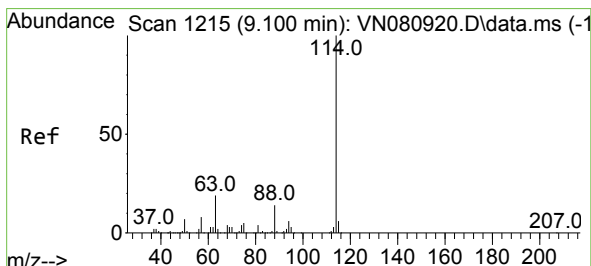
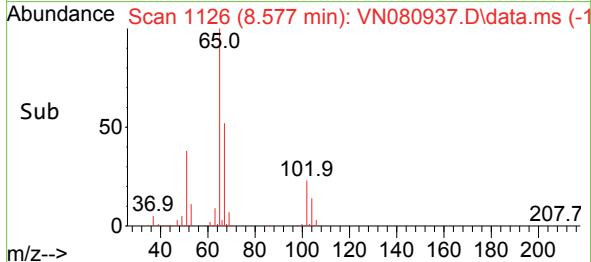
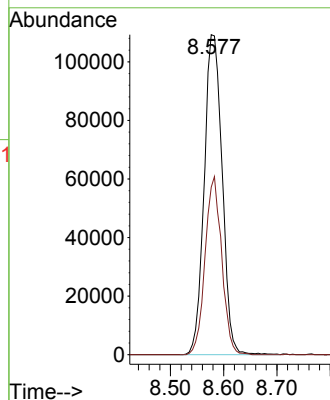
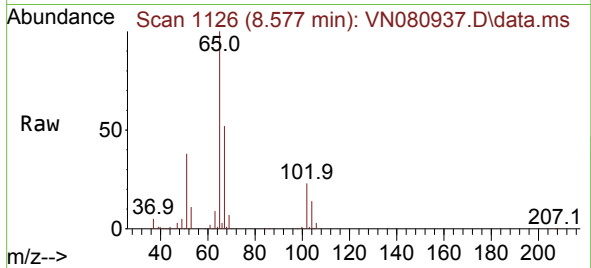
PB158850TB

Tgt Ion: 65 Resp: 255792

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080937.D

Acq: 07 Feb 2024 15:15

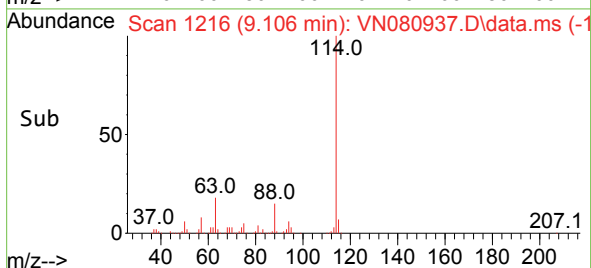
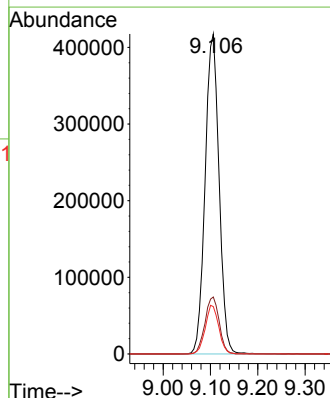
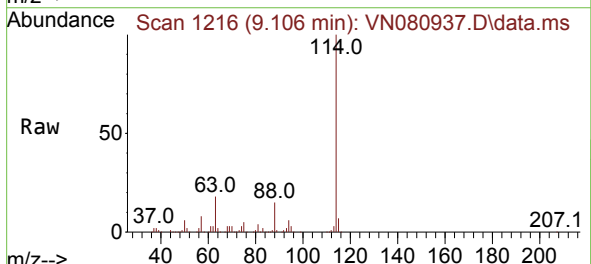
Tgt Ion: 114 Resp: 852341

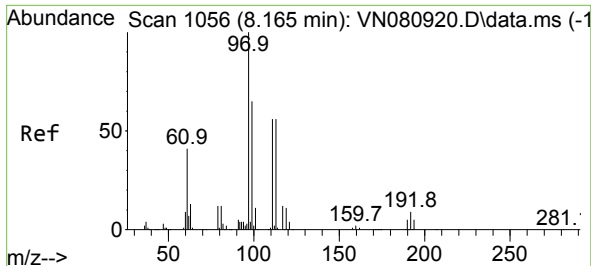
Ion Ratio Lower Upper

114 100

63 17.8 0.0 48.0

88 14.8 0.0 34.8

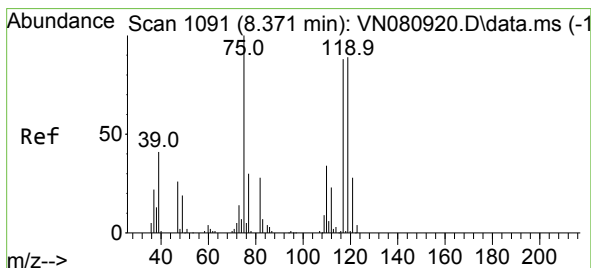
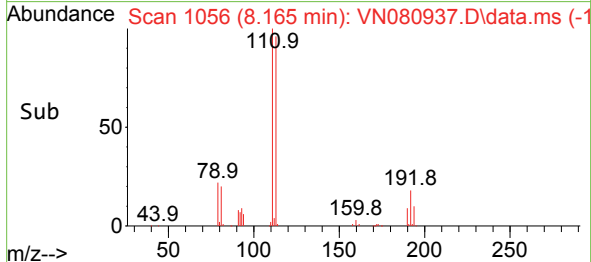
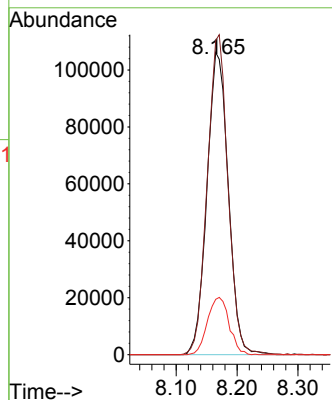
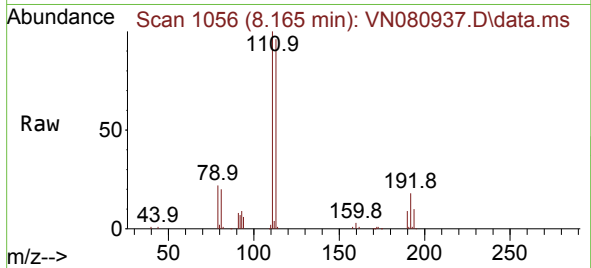




#35
Dibromofluoromethane
Concen: 56.580 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

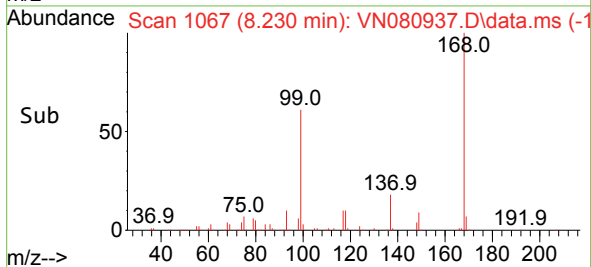
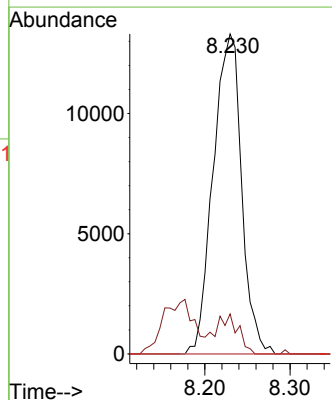
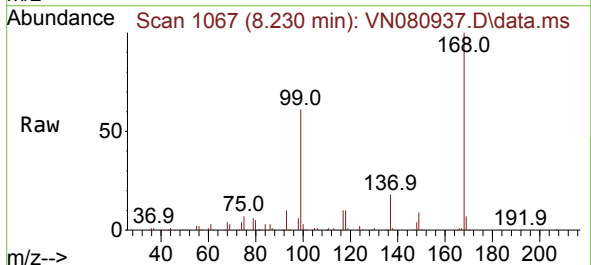
Instrument :
MSVOA_N
ClientSampleId :
PB158850TB

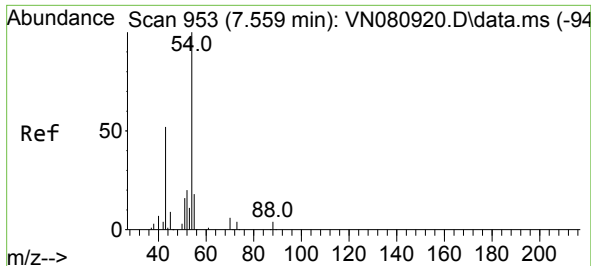
Tgt Ion:113 Resp: 258778
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 19.2 12.5 18.7#



#36
1,1-Dichloropropene
Concen: 4.525 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion: 75 Resp: 30790
Ion Ratio Lower Upper
75 100
110 9.9 16.0 48.0#
77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 2.199 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN080937.D

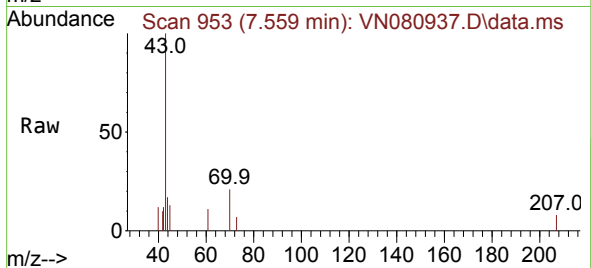
Acq: 07 Feb 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB158850TB



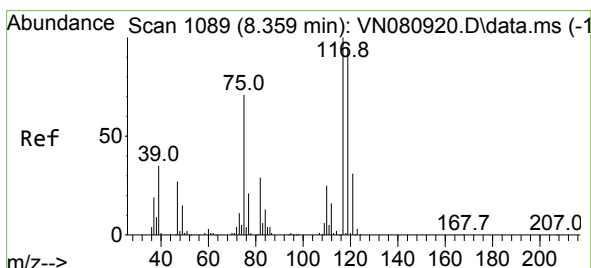
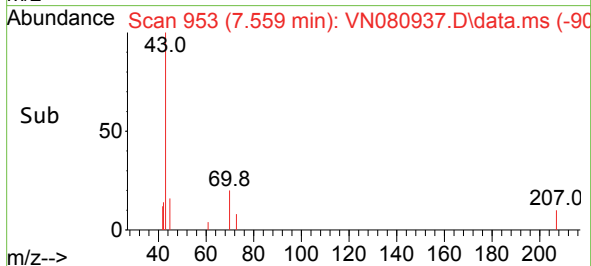
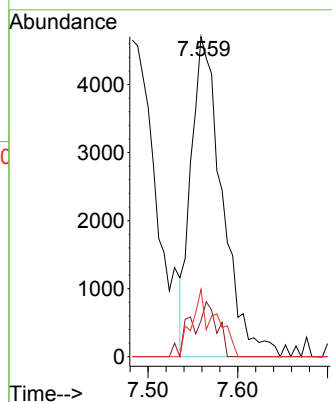
Tgt Ion: 43 Resp: 11319

Ion Ratio Lower Upper

43 100

61 9.0 10.6 15.8#

70 10.8 8.0 12.0



#38

Carbon Tetrachloride

Concen: 6.460 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN080937.D

Acq: 07 Feb 2024 15:15

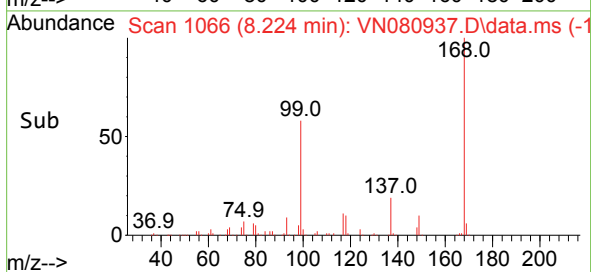
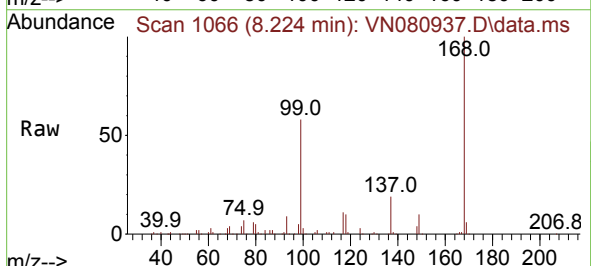
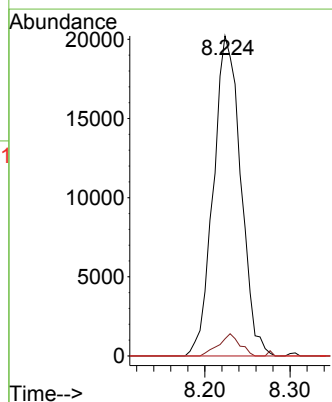
Tgt Ion: 117 Resp: 45059

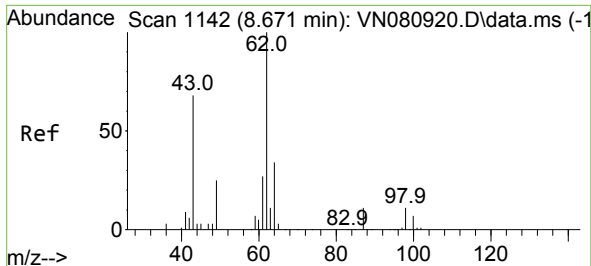
Ion Ratio Lower Upper

117 100

119 5.3 73.4 110.2#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.274 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080937.D

Acq: 07 Feb 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

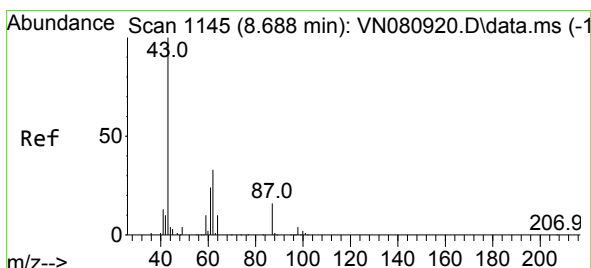
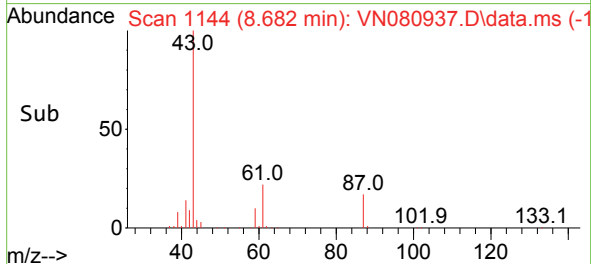
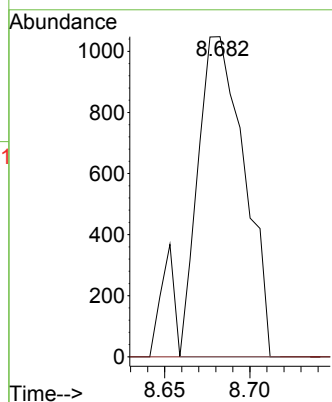
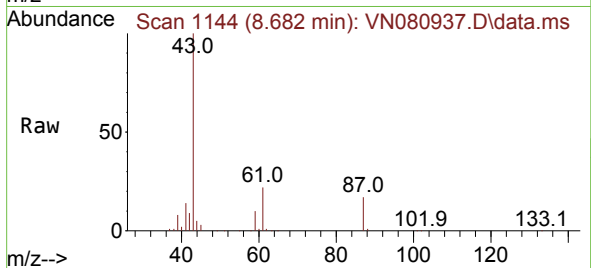
PB158850TB

Tgt Ion: 62 Resp: 1977

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 31.344 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080937.D

Acq: 07 Feb 2024 15:15

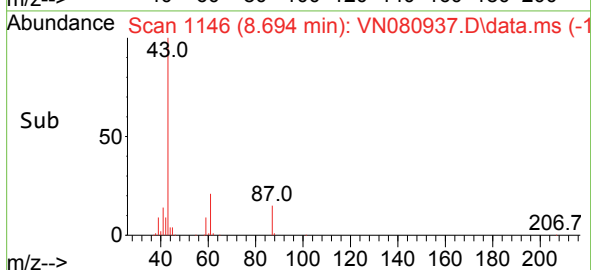
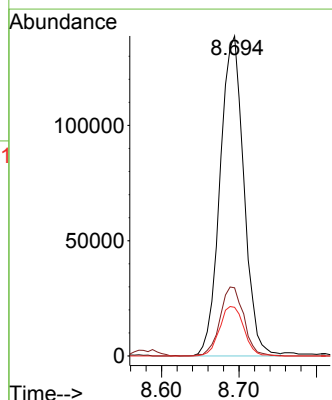
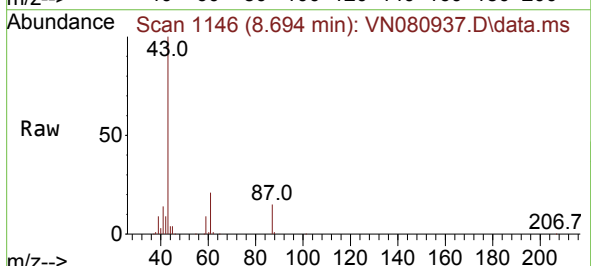
Tgt Ion: 43 Resp: 296745

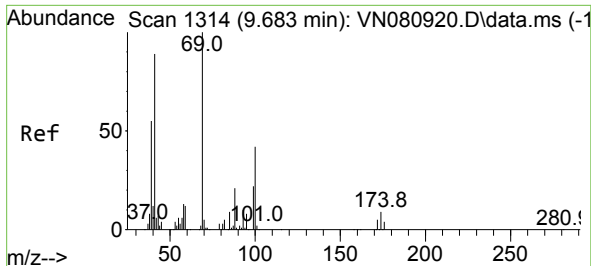
Ion Ratio Lower Upper

43 100

61 21.5 19.9 29.9

87 15.8 9.0 13.6#

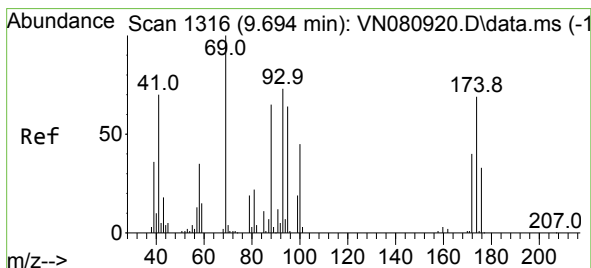
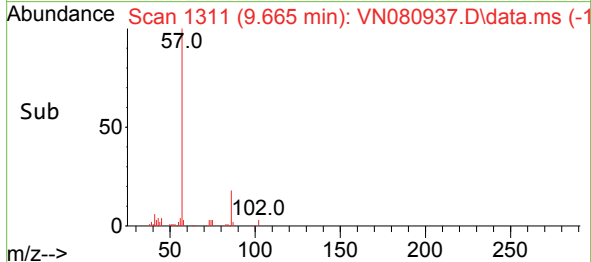
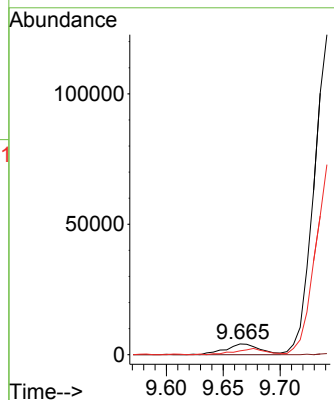
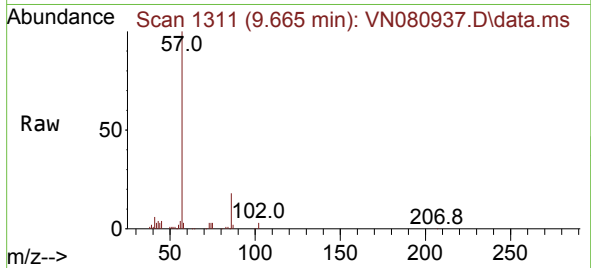




#48
Methyl methacrylate
Concen: 1.619 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

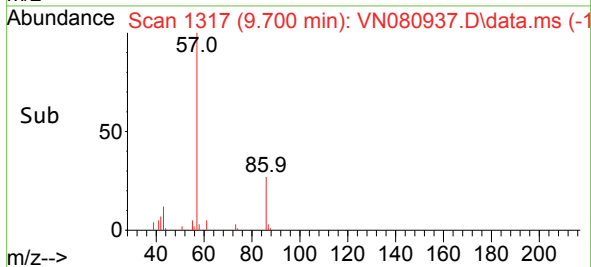
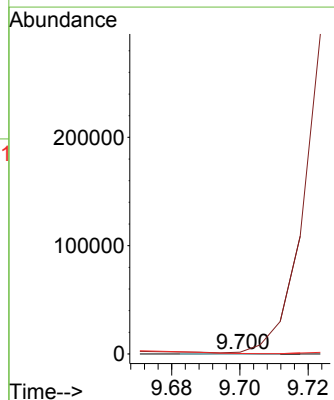
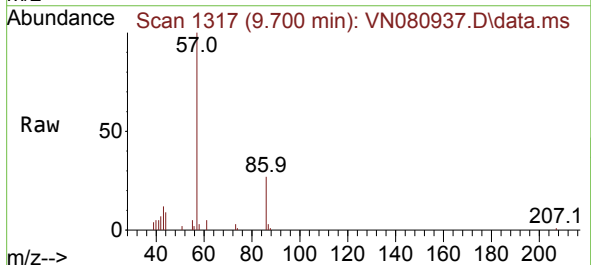
Instrument :
MSVOA_N
ClientSampleId :
PB158850TB

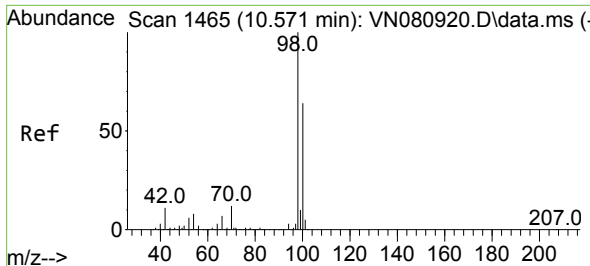
Tgt Ion: 41 Resp: 8635
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 51.6 47.6 71.4



#49
1,4-Dioxane
Concen: 1.117 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#

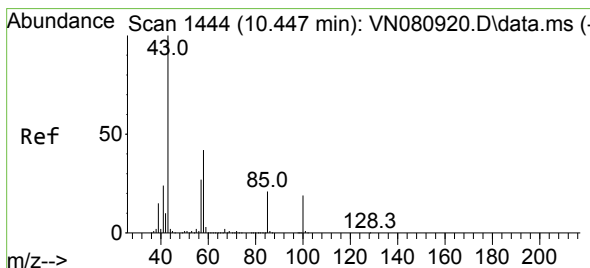
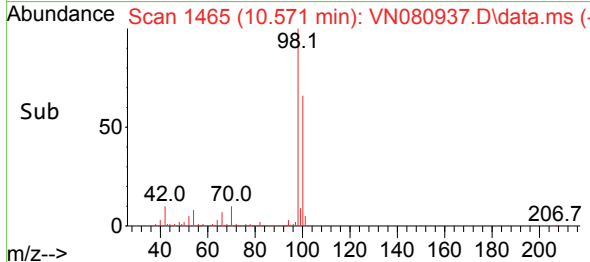
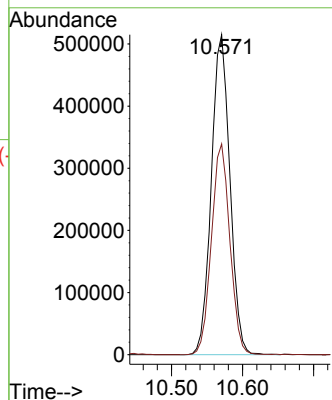
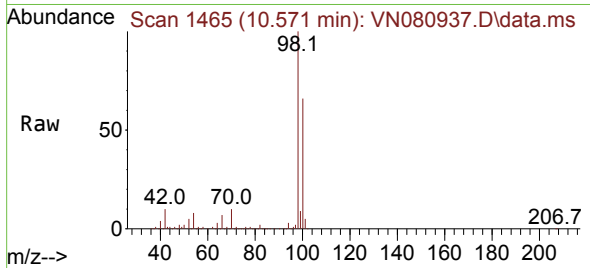




#50
Toluene-d8
Concen: 56.478 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

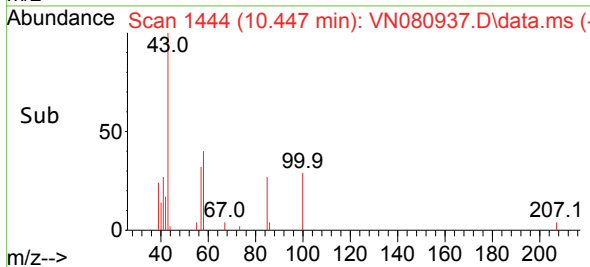
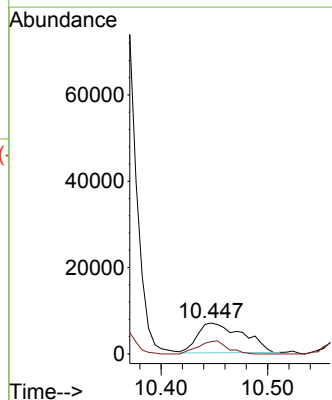
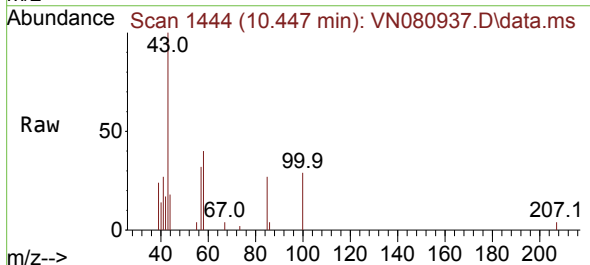
Instrument :
MSVOA_N
ClientSampleId :
PB158850TB

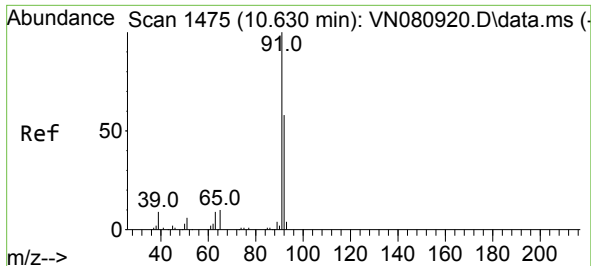
Tgt Ion: 98 Resp: 934335
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 3.581 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion: 43 Resp: 20432
Ion Ratio Lower Upper
43 100
58 28.1 29.4 44.0#

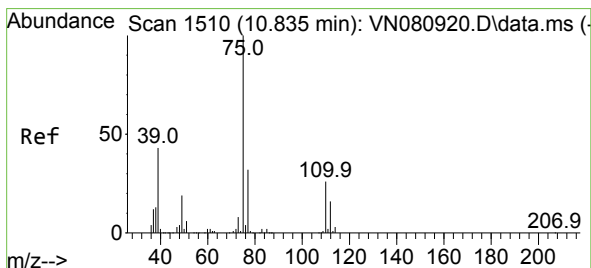
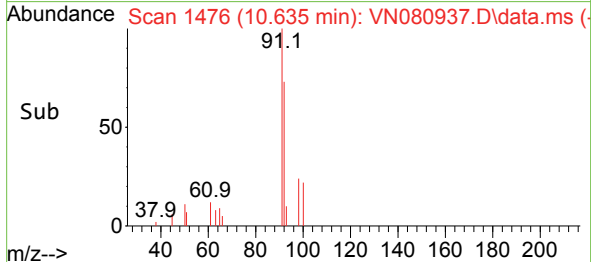
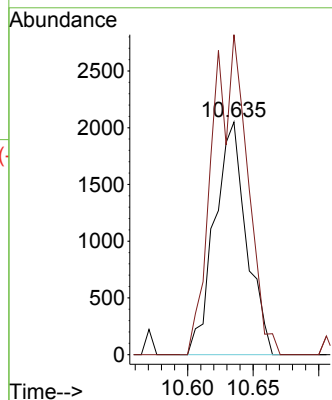
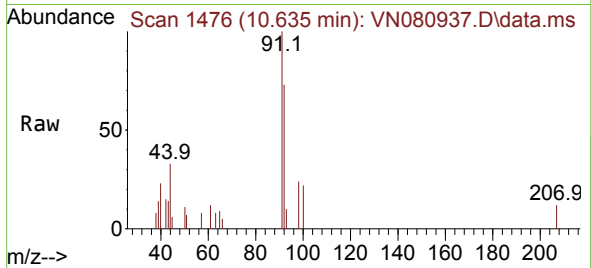




#52
Toluene
Concen: 0.250 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

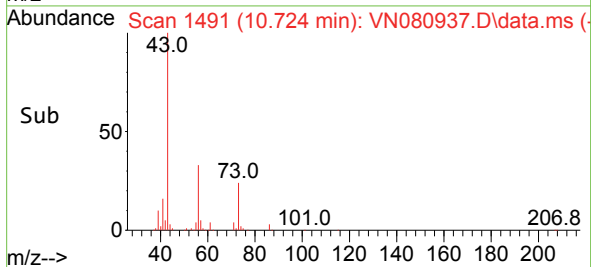
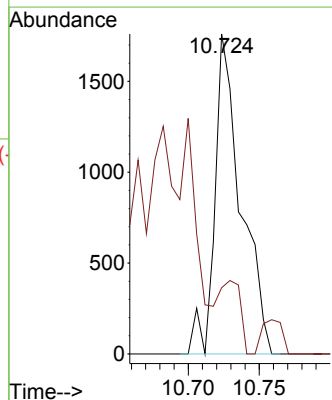
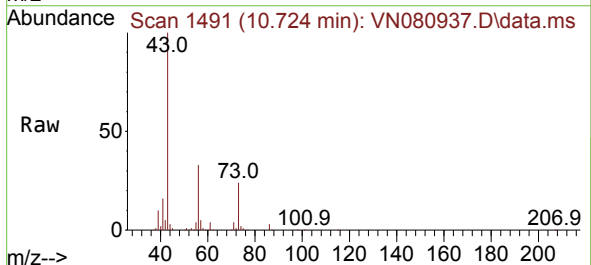
Instrument :
MSVOA_N
ClientSampleId :
PB158850TB

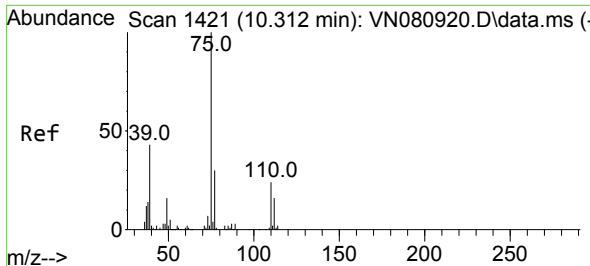
Tgt Ion: 92 Resp: 3469
Ion Ratio Lower Upper
92 100
91 151.7 139.4 209.0



#53
t-1,3-Dichloropropene
Concen: 0.287 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion: 75 Resp: 2248
Ion Ratio Lower Upper
75 100
77 10.8 25.5 38.3#

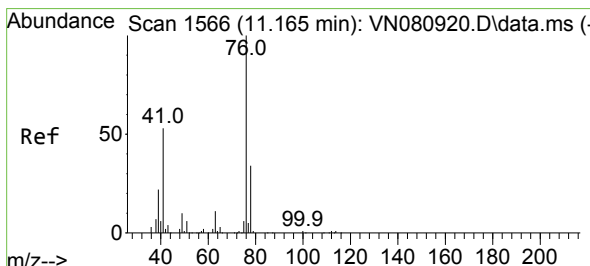
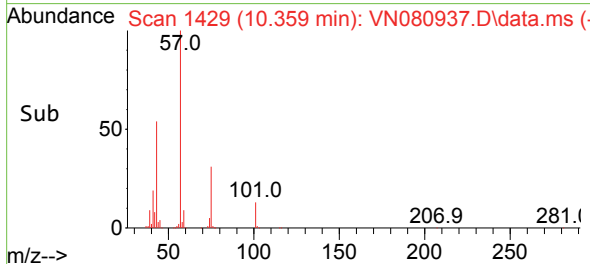
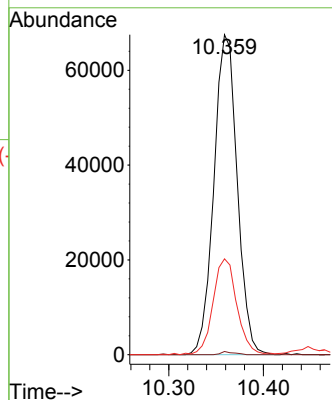
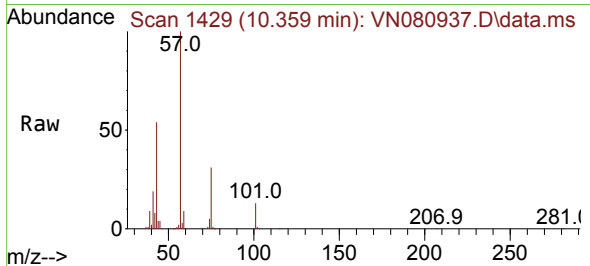




#54
cis-1,3-Dichloropropene
Concen: 13.169 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

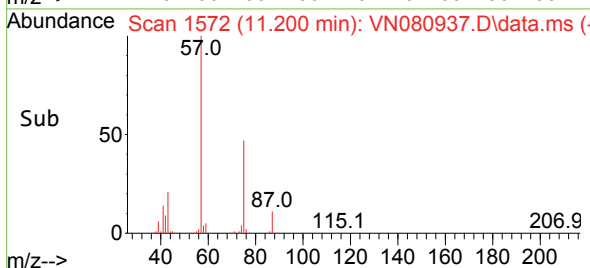
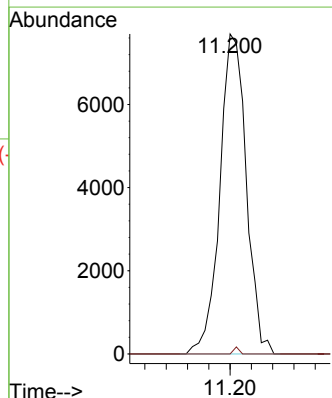
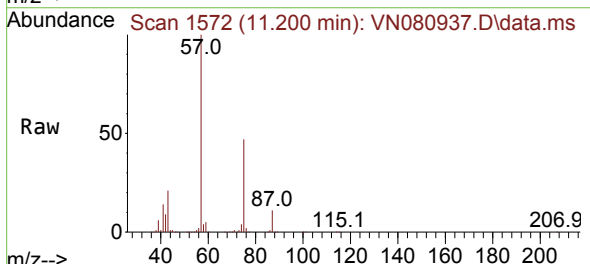
Instrument :
MSVOA_N
ClientSampleId :
PB158850TB

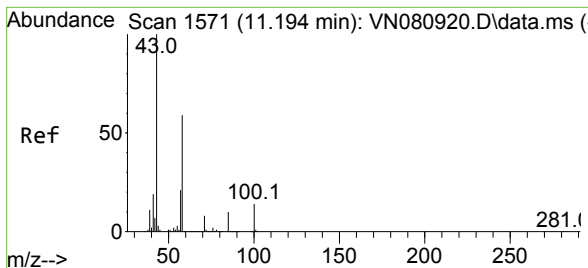
Tgt Ion: 75 Resp: 115605
Ion Ratio Lower Upper
75 100
77 1.0 23.3 34.9#
39 30.0 44.6 66.8#



#57
1,3-Dichloropropane
Concen: 1.522 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion: 76 Resp: 13240
Ion Ratio Lower Upper
76 100
78 0.4 25.5 38.3#

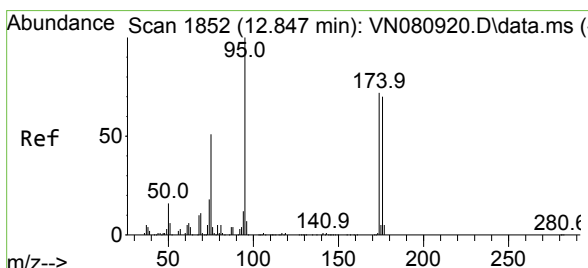
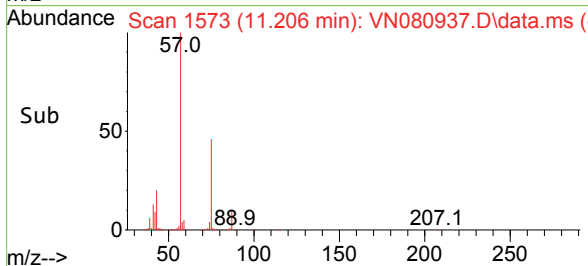
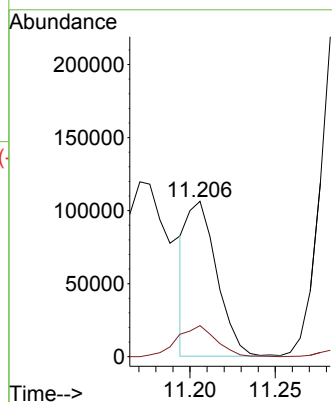
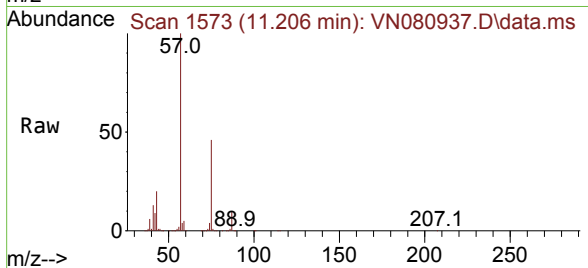




#59
2-Hexanone
Concen: 29.917 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

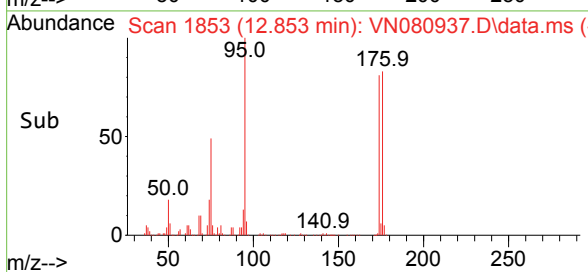
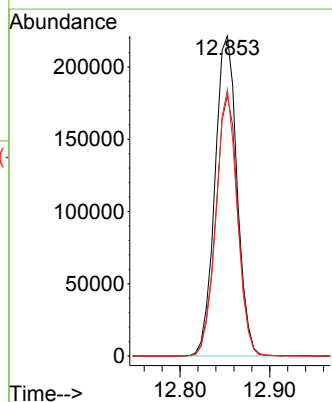
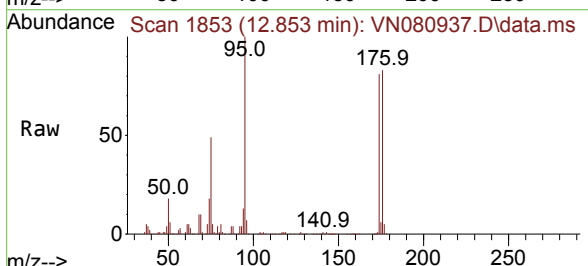
Instrument :
MSVOA_N
ClientSampleId :
PB158850TB

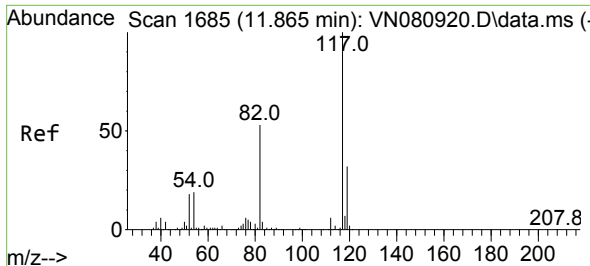
Tgt Ion: 43 Resp: 129367
Ion Ratio Lower Upper
43 100
58 26.2 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 62.885 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion: 95 Resp: 377926
Ion Ratio Lower Upper
95 100
174 81.8 0.0 120.4
176 79.3 0.0 121.0

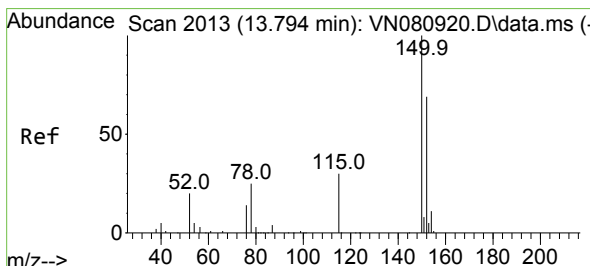
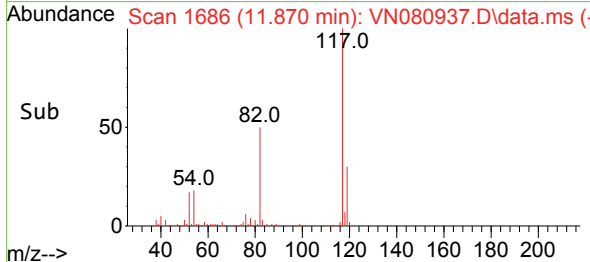
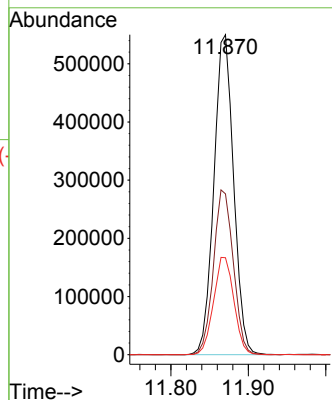
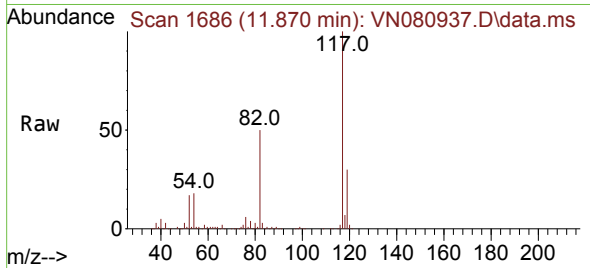




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

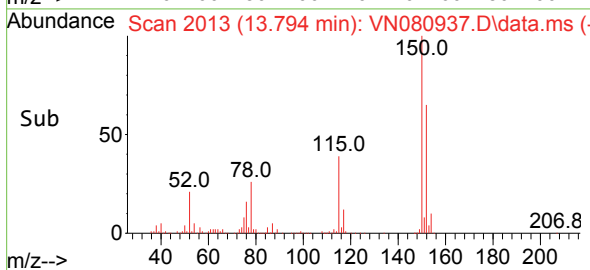
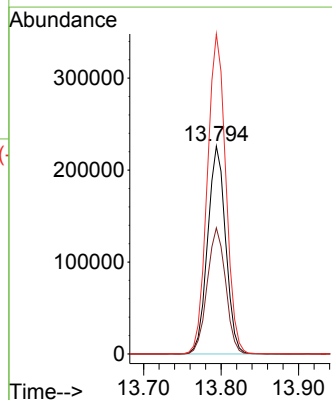
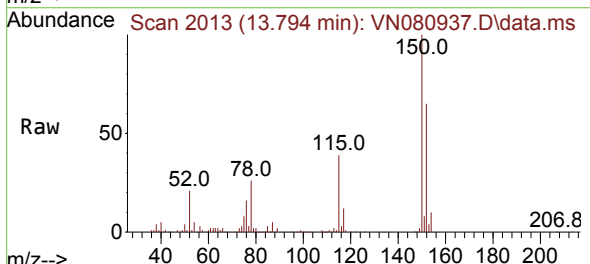
Instrument :
MSVOA_N
ClientSampleId :
PB158850TB

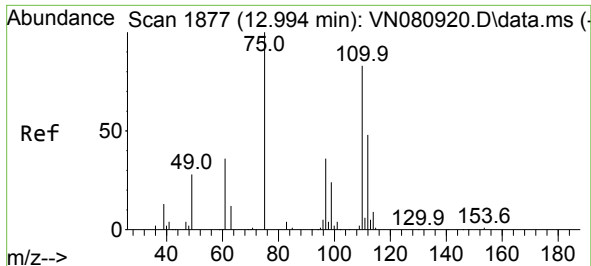
Tgt Ion:117 Resp: 971358
Ion Ratio Lower Upper
117 100
82 50.3 52.7 79.1#
119 30.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion:152 Resp: 364296
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 158.0 0.0 339.8

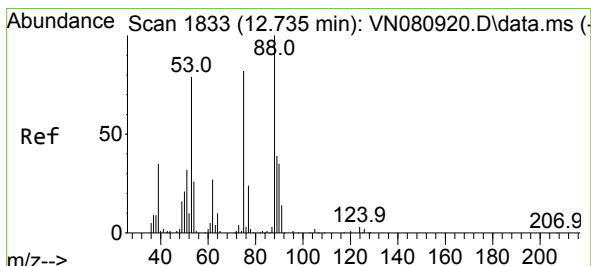
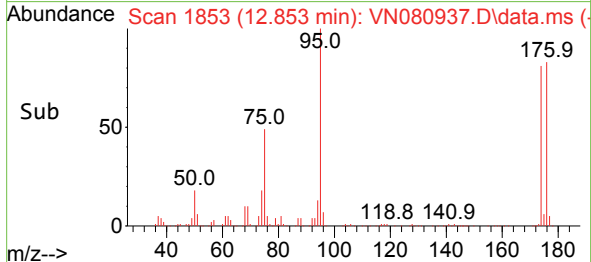
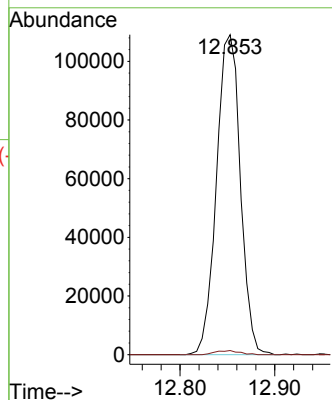
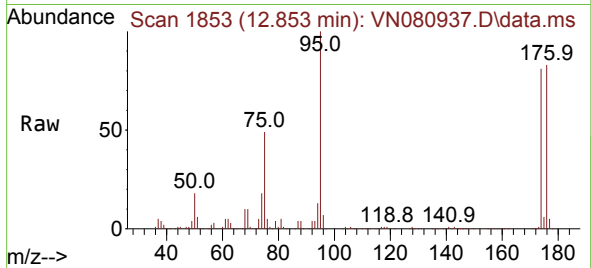




#76
1,2,3-Trichloropropane
Concen: 25.741 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
PB158850TB

Tgt Ion: 75 Resp: 191202
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.936 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN080937.D
Acq: 07 Feb 2024 15:15

Tgt Ion: 75 Resp: 191202
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#

