

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020724\
 Data File : VN080942.D
 Acq On : 07 Feb 2024 17:39
 Operator : JC\MD
 Sample : PB158850ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB158850ZHE#06

Quant Time: Feb 08 00:29:07 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)

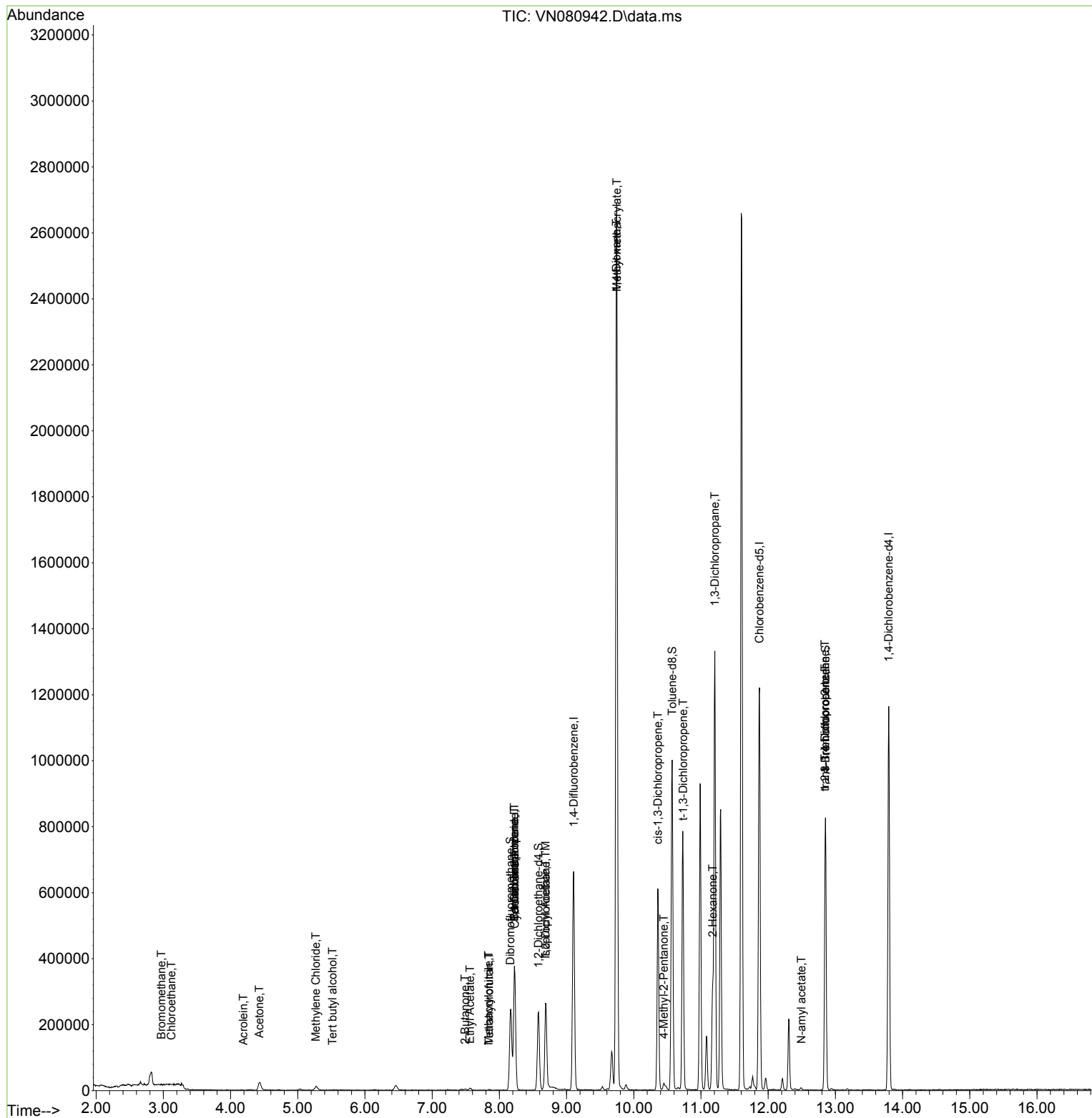
Internal Standards						
1) Pentafluorobenzene	8.224	168	260749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	569451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	711063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	309038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	191029	58.075	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.140%			
35) Dibromofluoromethane	8.165	113	177094	57.956	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.920%			
50) Toluene-d8	10.571	98	694485	62.834	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 125.660%#			
62) 4-Bromofluorobenzene	12.853	95	290451	72.339	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 144.680%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3302	Below Cal	#	83
5) Bromomethane	2.971	94	1669	0.672	ug/l	93
6) Chloroethane	3.118	64	1511	0.555	ug/l	92
11) Tert butyl alcohol	5.518	59	447	0.986	ug/l #	72
13) Acrolein	4.189	56	140	0.245	ug/l #	1
16) Acetone	4.430	43	45060	41.638	ug/l	97
18) Methyl Acetate	5.030	43	5980	Below Cal		94
20) Methylene Chloride	5.271	84	9381	2.861	ug/l #	82
25) 2-Butanone	7.488	43	5463	3.145	ug/l #	86
29) Tetrahydrofuran	7.847	42	443	0.417	ug/l #	48
31) Cyclohexane	8.230	56	6598	1.468	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	23546	5.180	ug/l #	51
37) Ethyl Acetate	7.565	43	8973	2.609	ug/l #	80
38) Carbon Tetrachloride	8.224	117	29531	6.337	ug/l #	18
41) Methacrylonitrile	7.841	41	536	0.261	ug/l #	40
42) 1,2-Dichloroethane	8.688	62	1854	0.385	ug/l #	75
43) Isopropyl Acetate	8.688	43	295872	46.777	ug/l #	89
48) Methyl methacrylate	9.747	41	237373	66.609	ug/l #	48
49) 1,4-Dioxane	9.741	88	413	6.277	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	14020	3.678	ug/l	99
53) t-1,3-Dichloropropene	10.735	75	2428	0.465	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	113464	19.345	ug/l #	58
57) 1,3-Dichloropropane	11.206	76	15040	2.588	ug/l #	43
59) 2-Hexanone	11.176	43	224115	77.574	ug/l #	26
74) N-amyl acetate	12.494	43	2776	0.320	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	154856	24.576	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	154856	66.770	ug/l #	14

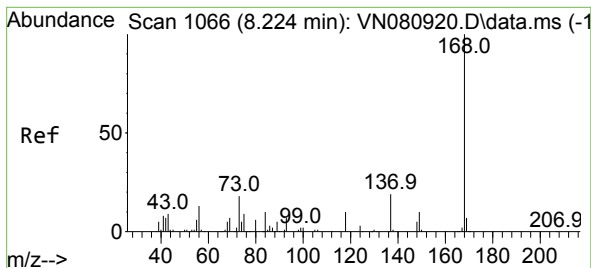
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080942.D

Acq: 07 Feb 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :

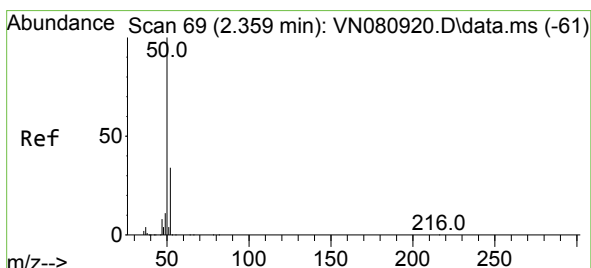
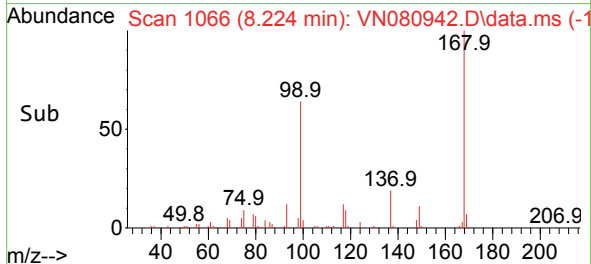
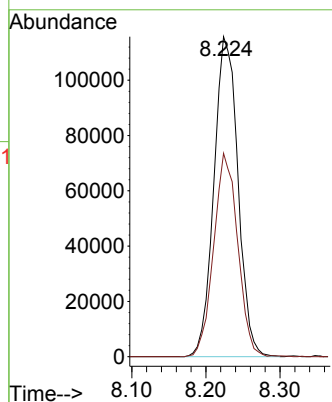
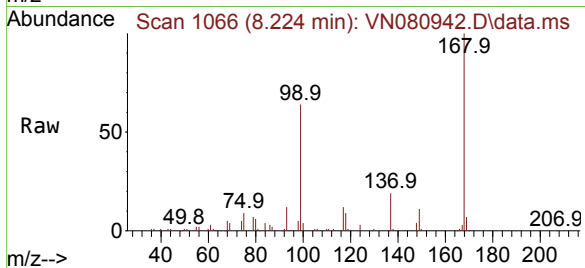
PB158850ZHE#06

Tgt Ion:168 Resp: 260749

Ion Ratio Lower Upper

168 100

99 63.6 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080942.D

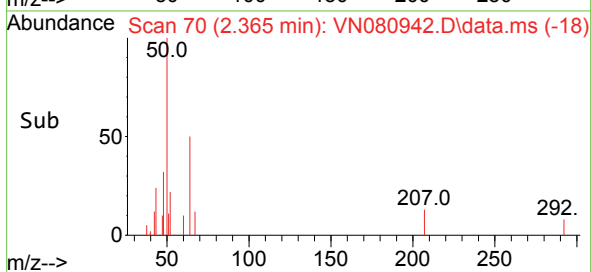
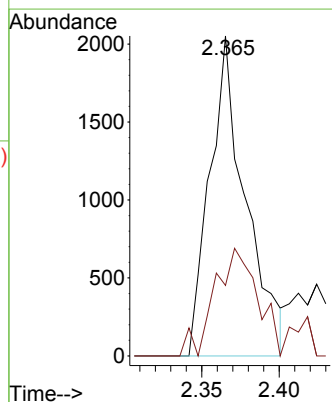
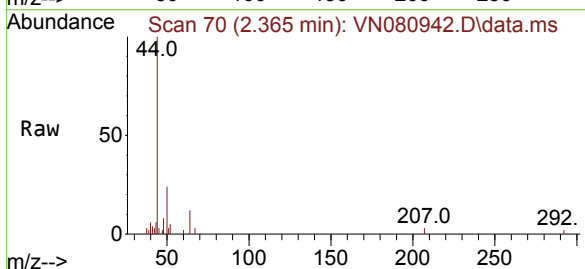
Acq: 07 Feb 2024 17:39

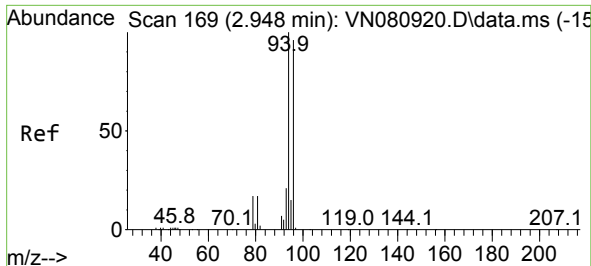
Tgt Ion: 50 Resp: 3302

Ion Ratio Lower Upper

50 100

52 22.0 25.0 37.4#

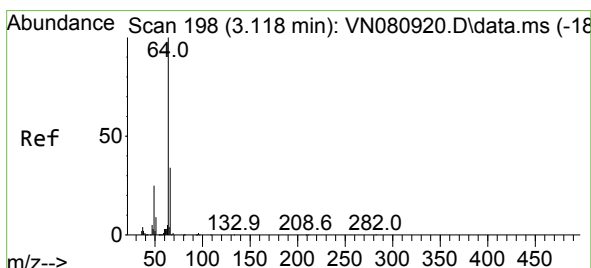
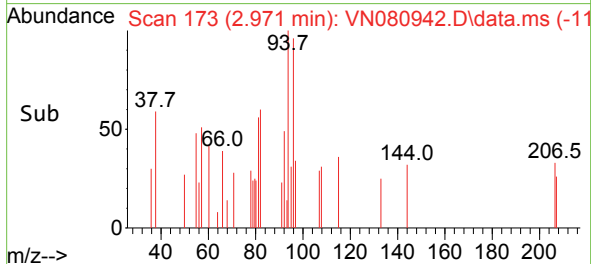
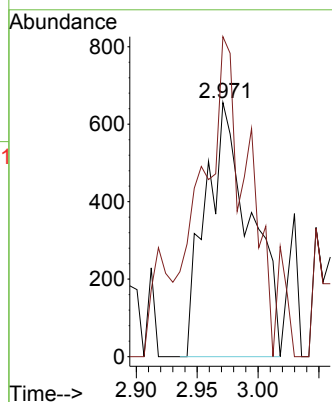
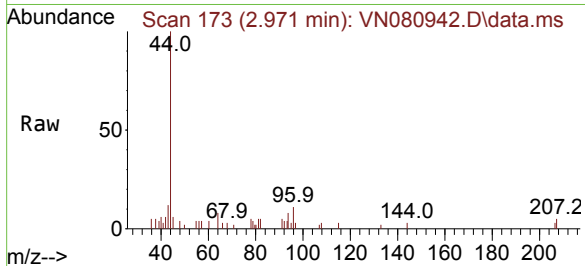




#5
Bromomethane
Concen: 0.672 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

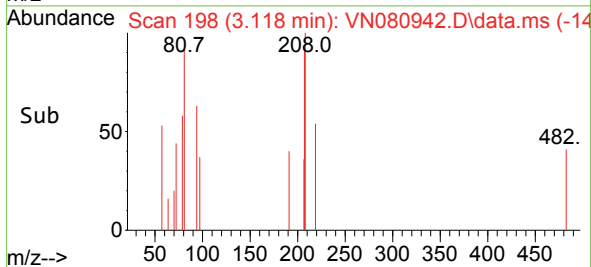
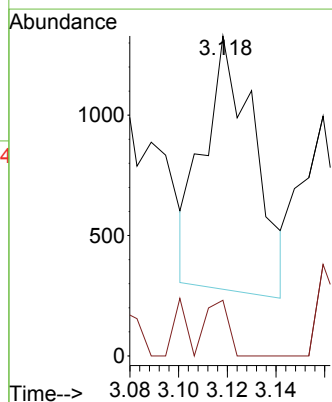
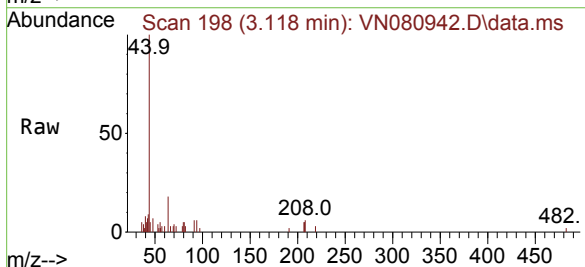
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#06

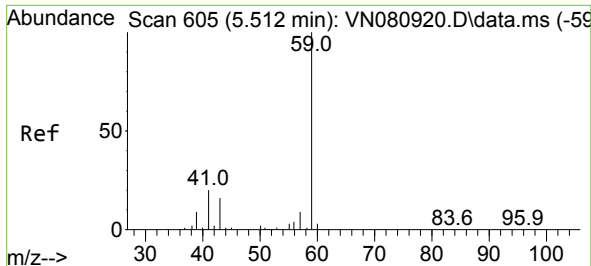
Tgt Ion: 94 Resp: 1669
Ion Ratio Lower Upper
94 100
96 92.5 69.2 103.8



#6
Chloroethane
Concen: 0.555 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

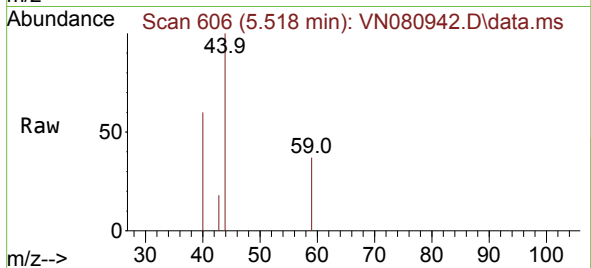
Tgt Ion: 64 Resp: 1511
Ion Ratio Lower Upper
64 100
66 28.6 26.4 39.6



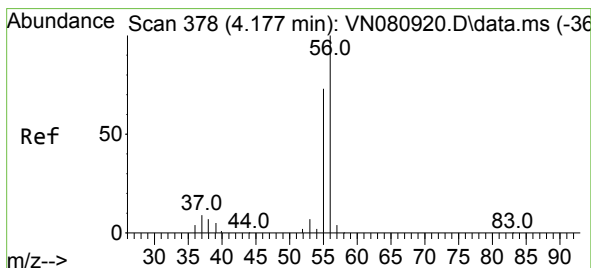
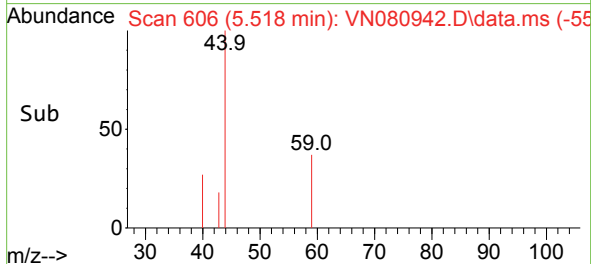
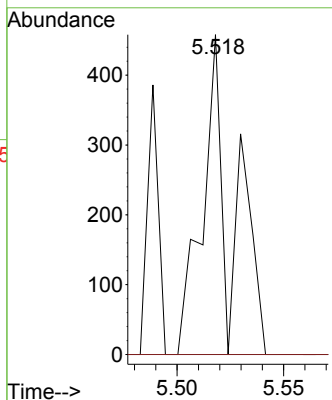


#11
Tert butyl alcohol
Concen: 0.986 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#06

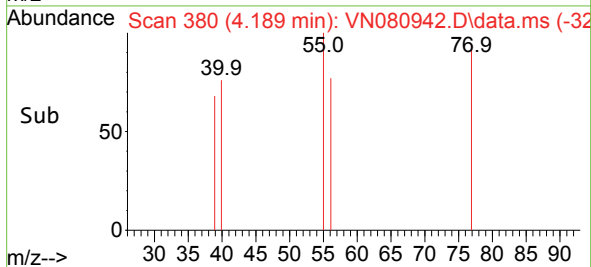
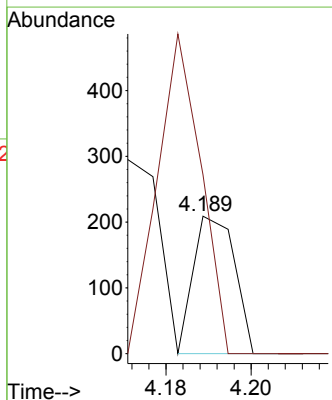
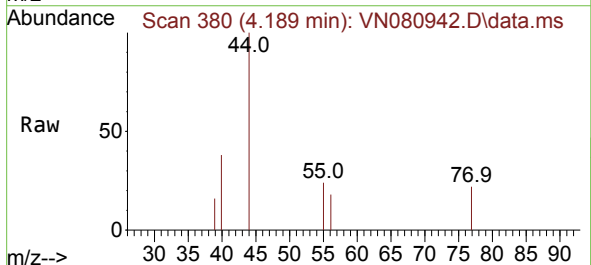


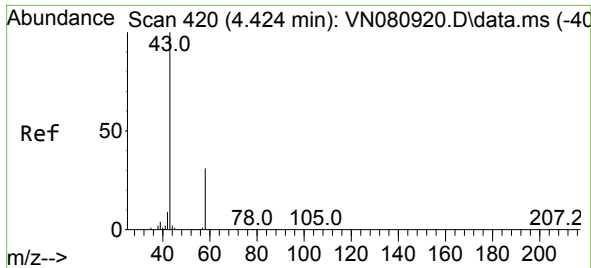
Tgt Ion: 59 Resp: 447
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.245 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 320.7 55.3 82.9#

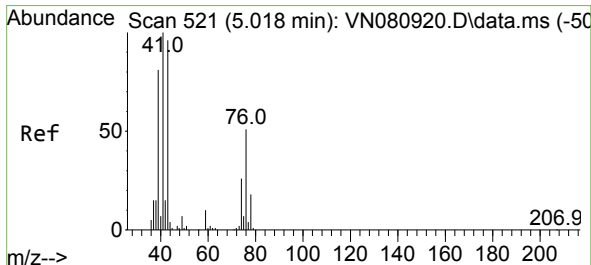
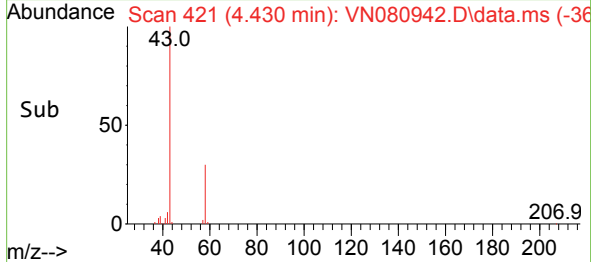
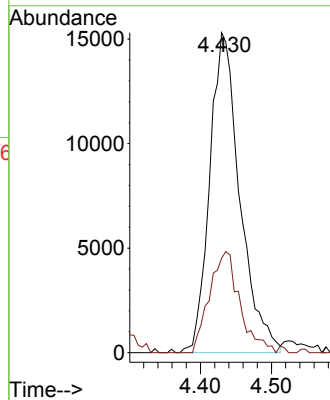
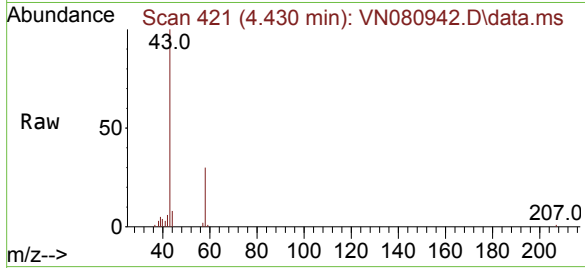




#16
Acetone
Concen: 41.638 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

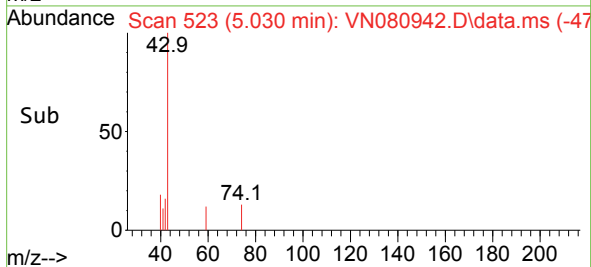
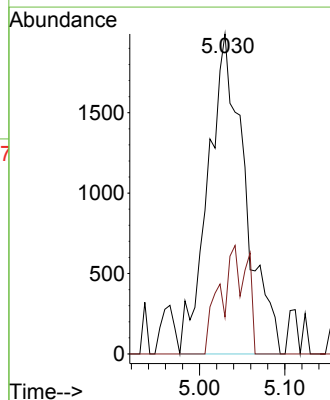
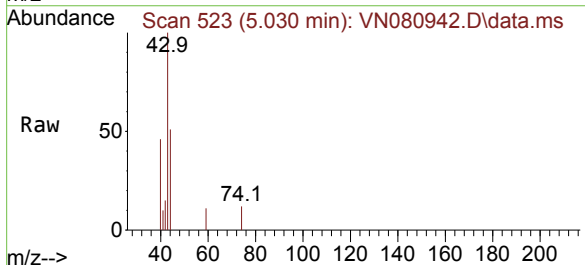
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#06

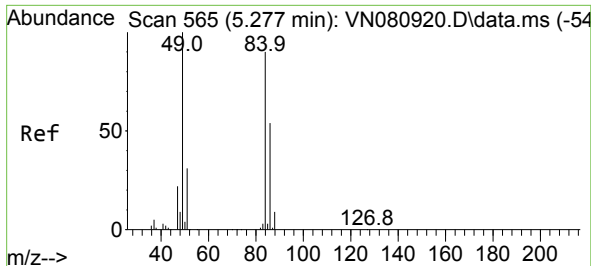
Tgt Ion: 43 Resp: 45060
Ion Ratio Lower Upper
43 100
58 29.5 24.8 37.2



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

Tgt Ion: 43 Resp: 5980
Ion Ratio Lower Upper
43 100
74 24.3 17.3 25.9

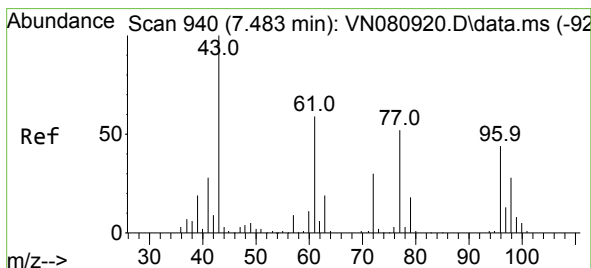
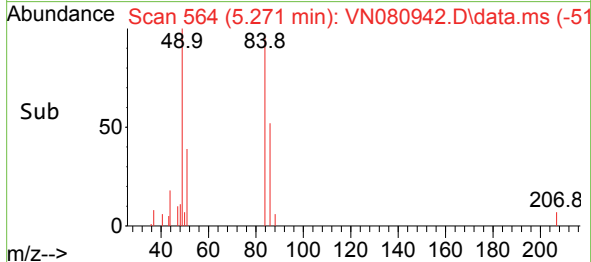
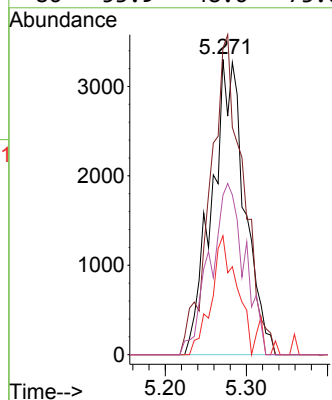
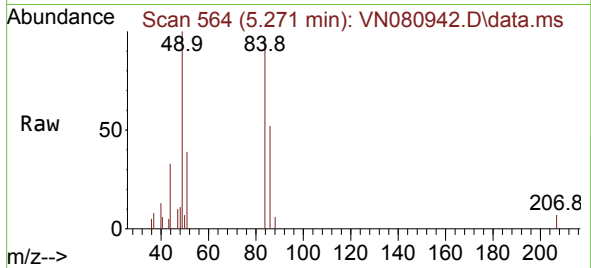




#20
Methylene Chloride
Concen: 2.861 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

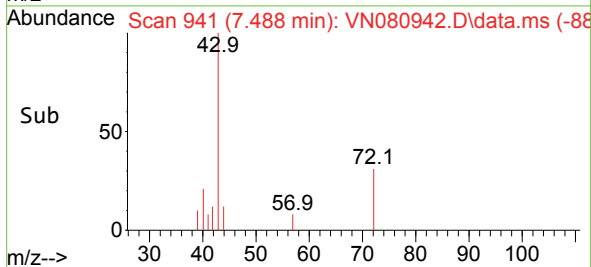
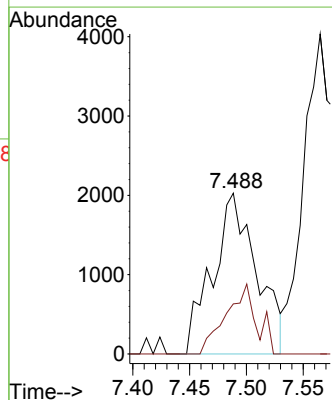
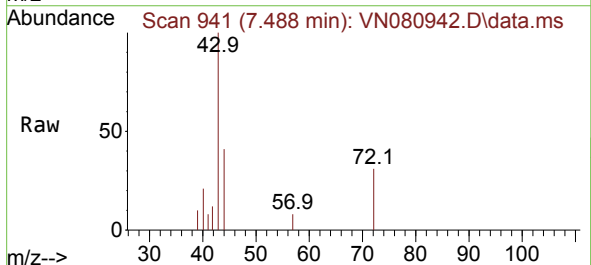
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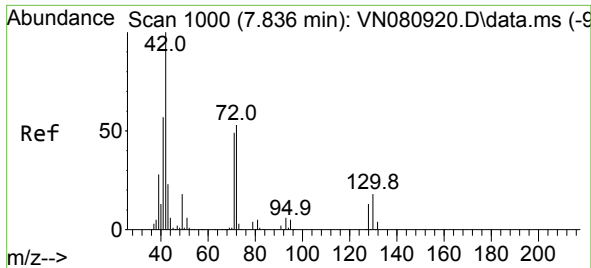
Tgt Ion: 84 Resp: 9381
Ion Ratio Lower Upper
84 100
49 103.7 108.1 162.1#
51 40.2 32.9 49.3
86 53.9 48.6 73.0



#25
2-Butanone
Concen: 3.145 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

Tgt Ion: 43 Resp: 5463
Ion Ratio Lower Upper
43 100
72 31.1 19.5 29.3#

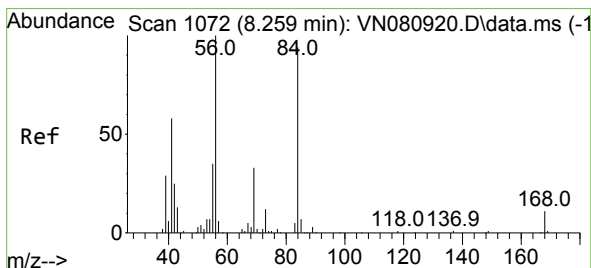
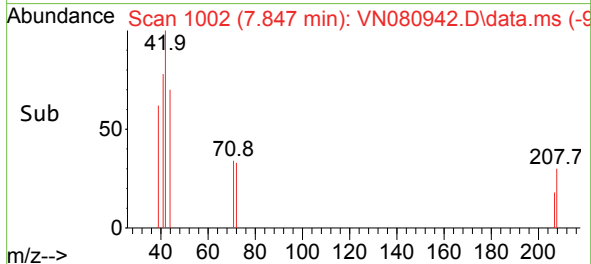
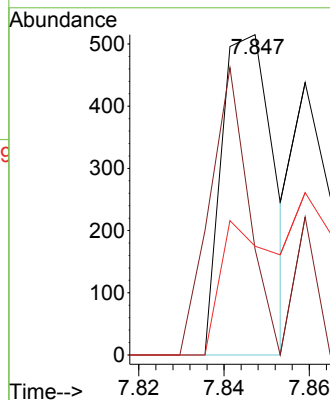
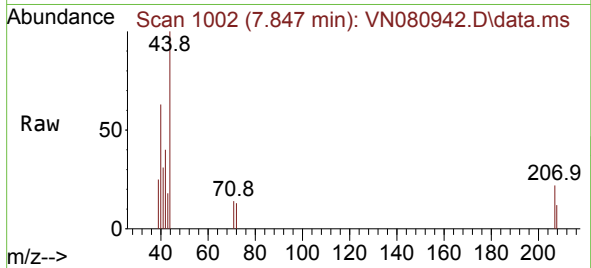




#29
Tetrahydrofuran
Concen: 0.417 ug/l
RT: 7.847 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

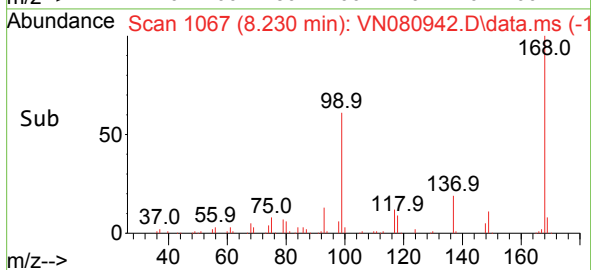
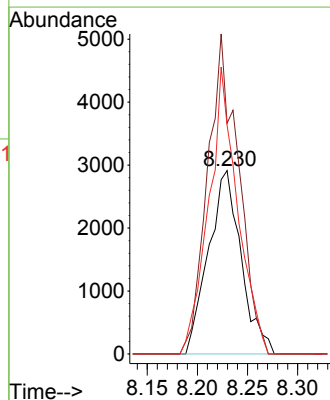
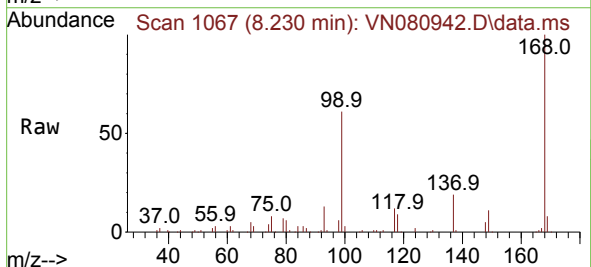
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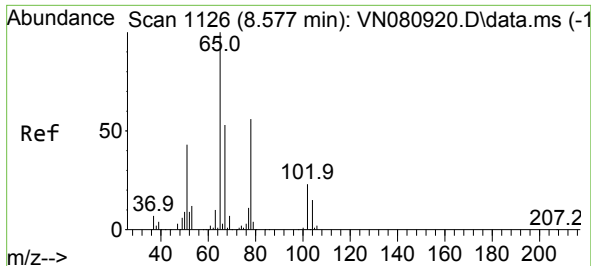
Tgt Ion: 42 Resp: 443
Ion Ratio Lower Upper
42 100
72 66.4 31.1 46.7#
71 0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.468 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

Tgt Ion: 56 Resp: 6598
Ion Ratio Lower Upper
56 100
69 125.8 20.1 30.1#
84 124.7 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 58.075 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080942.D

Acq: 07 Feb 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :

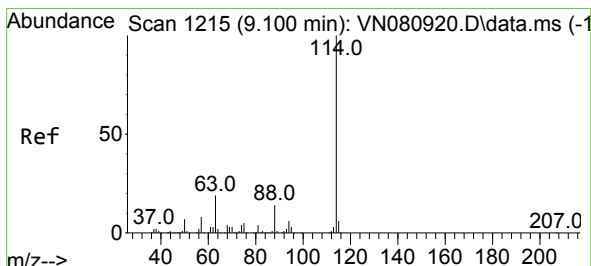
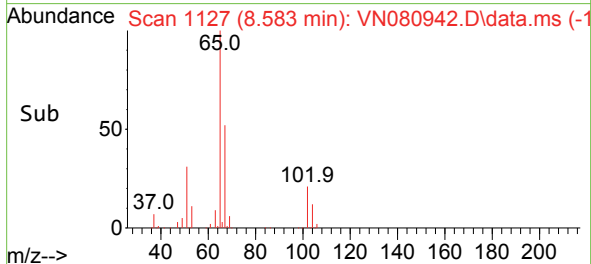
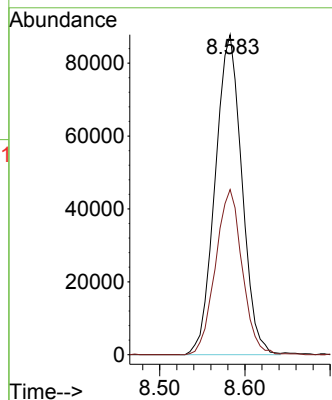
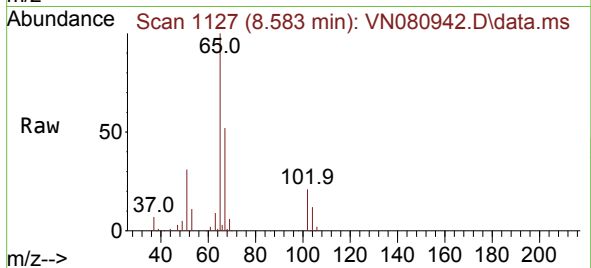
PB158850ZHE#06

Tgt Ion: 65 Resp: 191029

Ion Ratio Lower Upper

65 100

67 51.7 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: VN080942.D

Acq: 07 Feb 2024 17:39

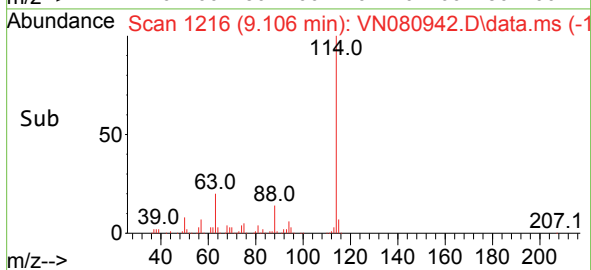
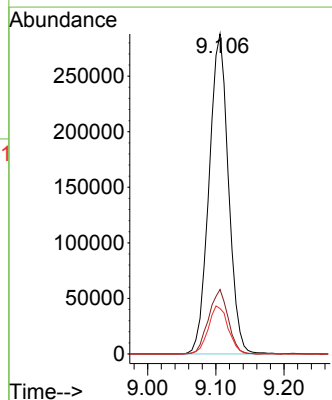
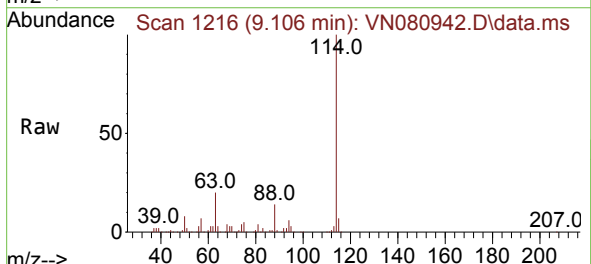
Tgt Ion: 114 Resp: 569451

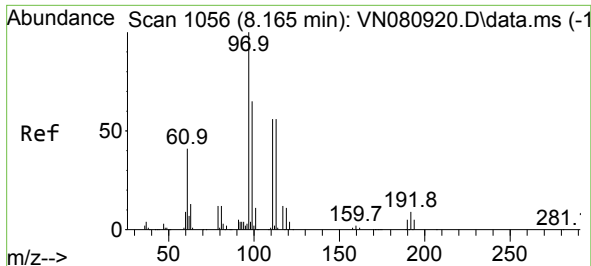
Ion Ratio Lower Upper

114 100

63 20.2 0.0 48.0

88 14.2 0.0 34.8

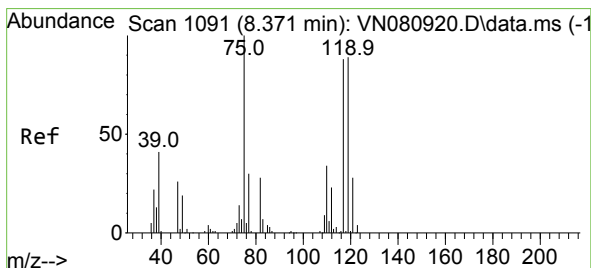
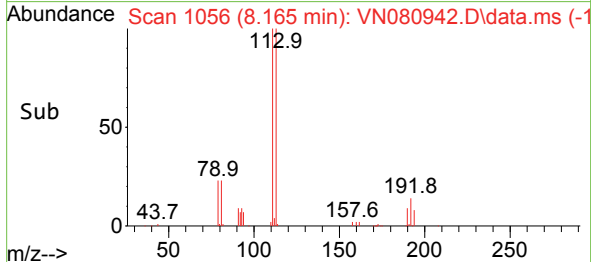
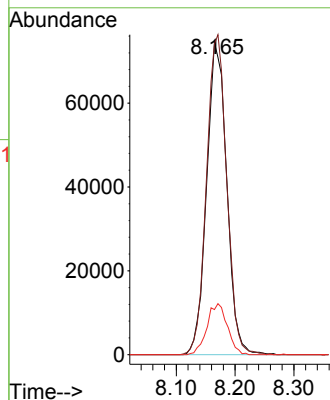
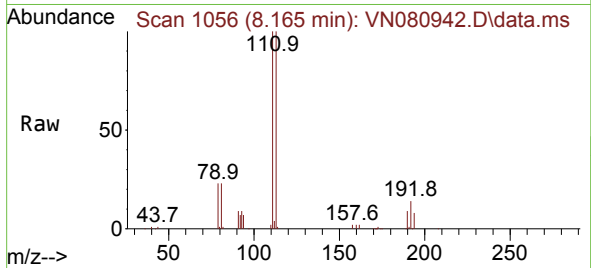




#35
Dibromofluoromethane
Concen: 57.956 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

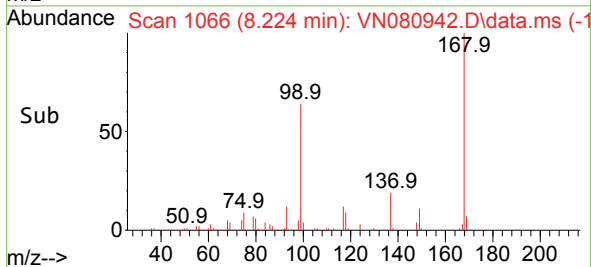
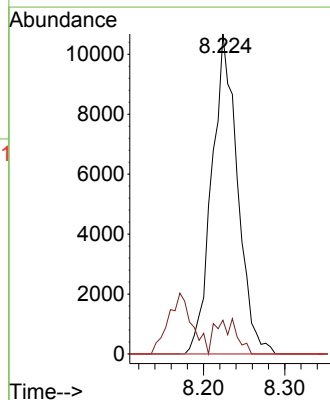
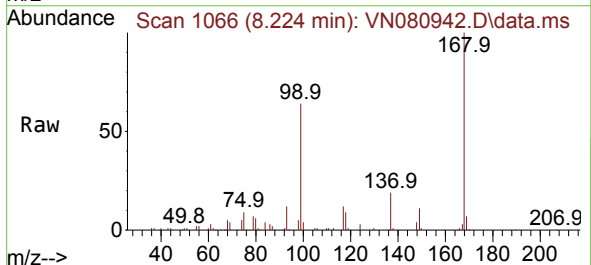
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#06

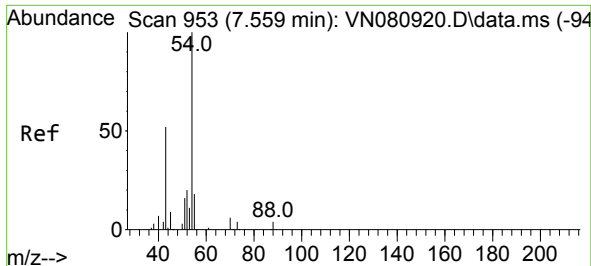
Tgt Ion:113 Resp: 177094
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 16.6 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.180 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

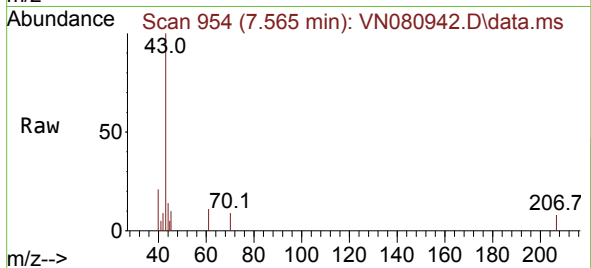
Tgt Ion: 75 Resp: 23546
Ion Ratio Lower Upper
75 100
110 9.0 16.0 48.0#
77 0.0 25.8 38.6#



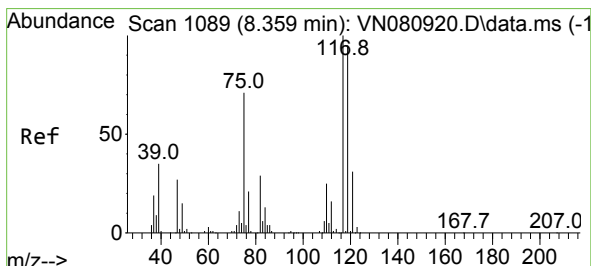
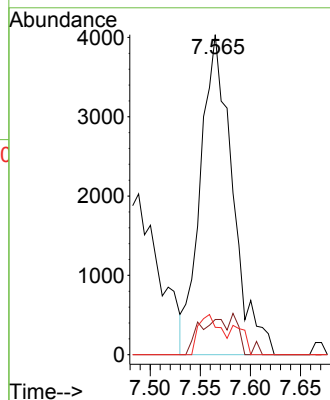
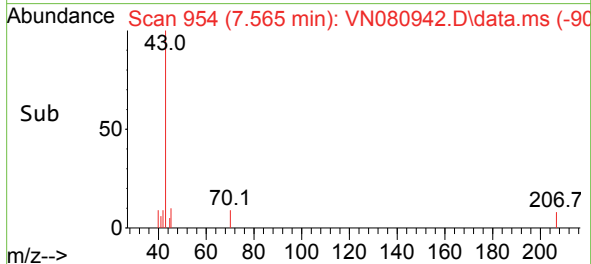


#37
Ethyl Acetate
Concen: 2.609 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

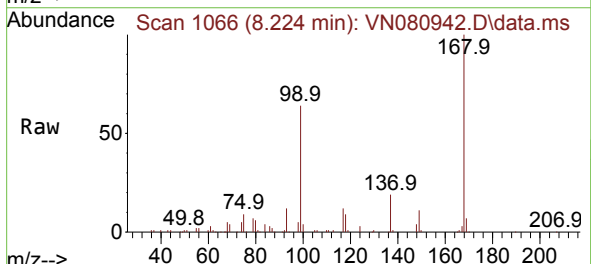
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#06



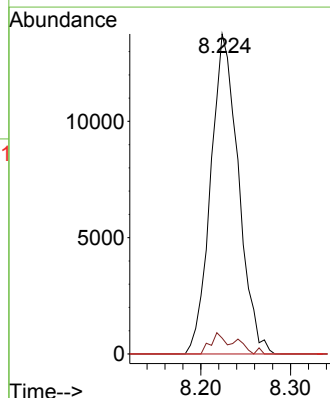
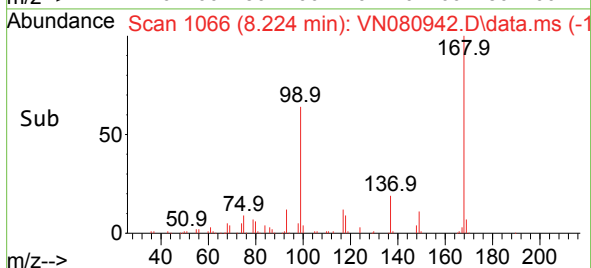
Tgt Ion: 43 Resp: 8973
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 8.7 8.0 12.0

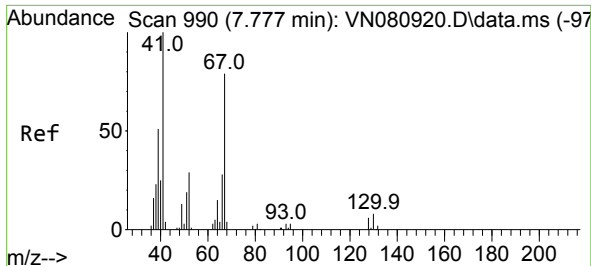


#38
Carbon Tetrachloride
Concen: 6.337 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39



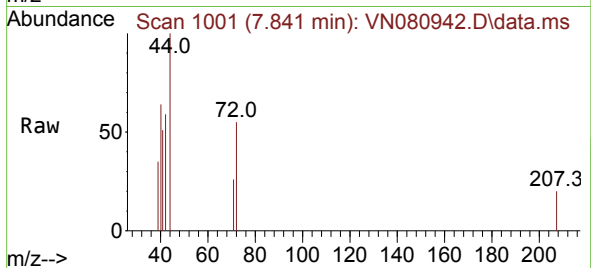
Tgt Ion: 117 Resp: 29531
Ion Ratio Lower Upper
117 100
119 4.9 73.4 110.2#
121 0.0 24.4 36.6#



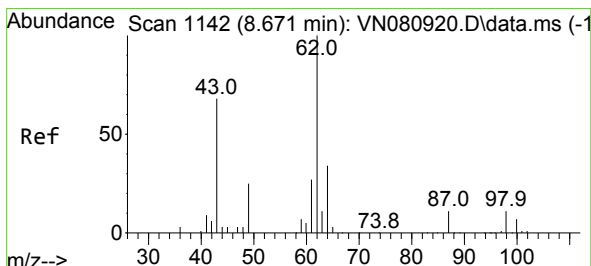
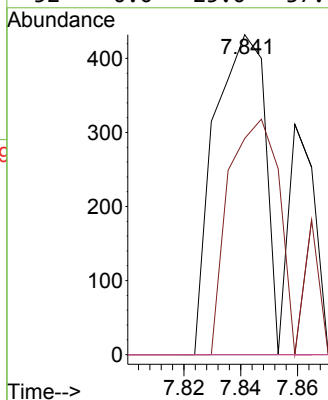
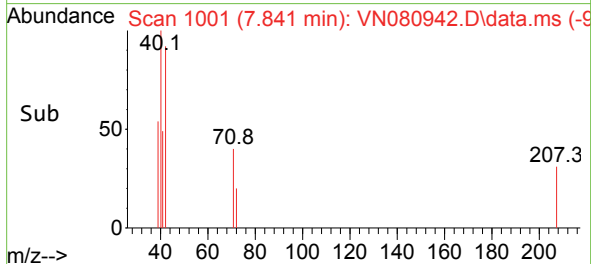


#41
Methacrylonitrile
Concen: 0.261 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#06

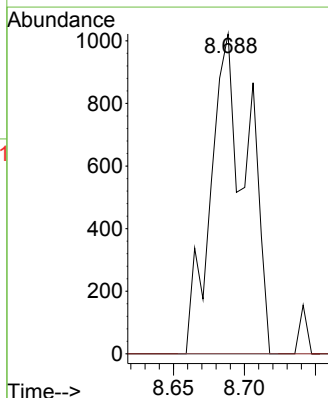
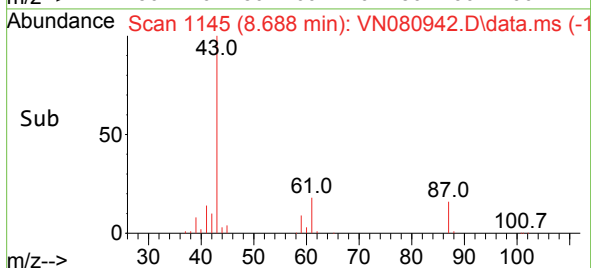
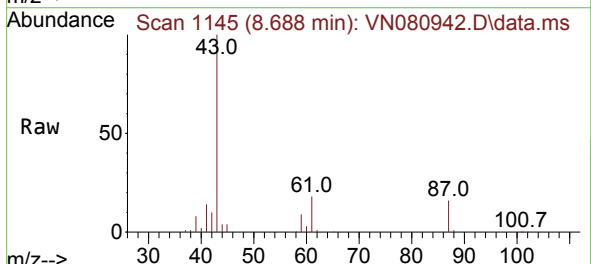


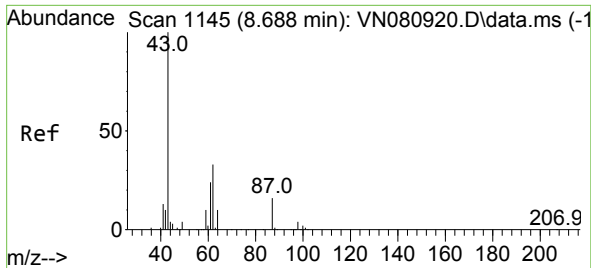
Tgt Ion: 41 Resp: 536
Ion Ratio Lower Upper
41 100
39 85.1 48.4 72.6#
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 0.385 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

Tgt Ion: 62 Resp: 1854
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0

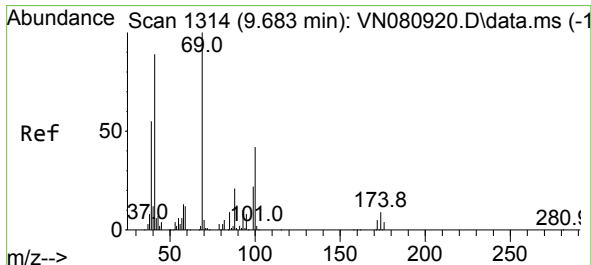
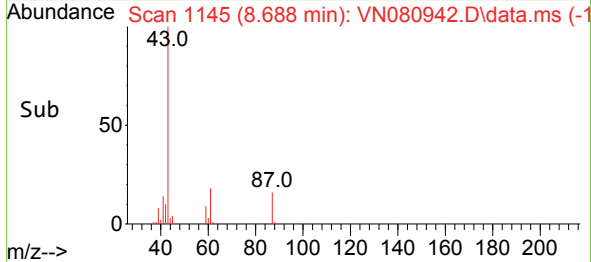
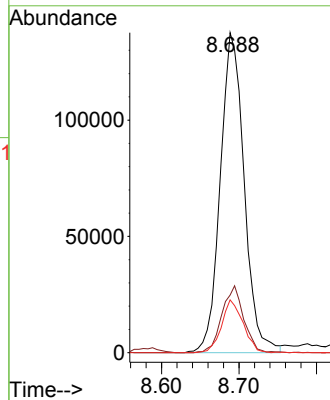
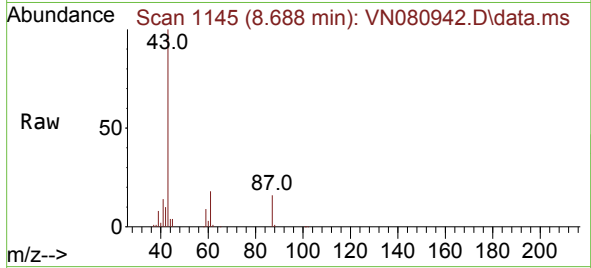




#43
Isopropyl Acetate
Concen: 46.777 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

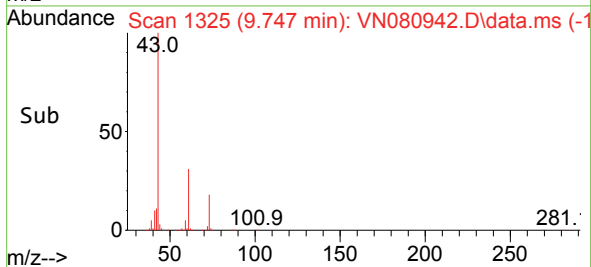
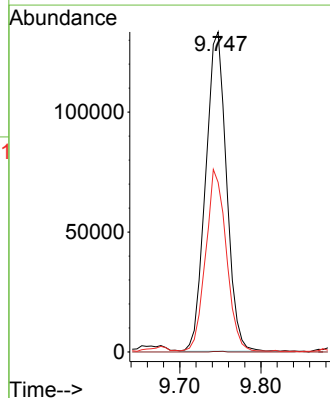
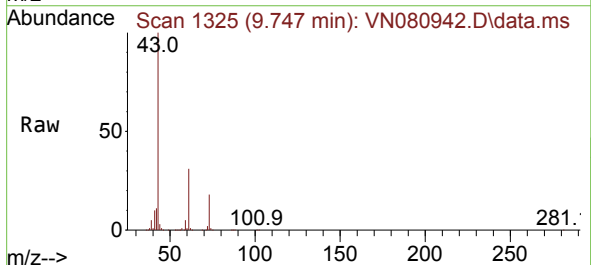
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#06

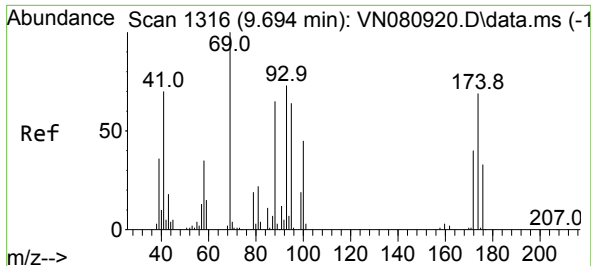
Tgt Ion: 43 Resp: 295872
Ion Ratio Lower Upper
43 100
61 19.1 19.9 29.9#
87 14.8 9.0 13.6#



#48
Methyl methacrylate
Concen: 66.609 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

Tgt Ion: 41 Resp: 237373
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.2#
39 56.5 47.6 71.4





#49

1,4-Dioxane

Concen: 6.277 ug/l

RT: 9.741 min Scan# 1316

Delta R.T. 0.047 min

Lab File: VN080942.D

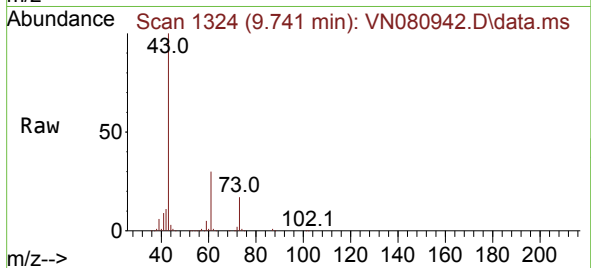
Acq: 07 Feb 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB158850ZHE#06



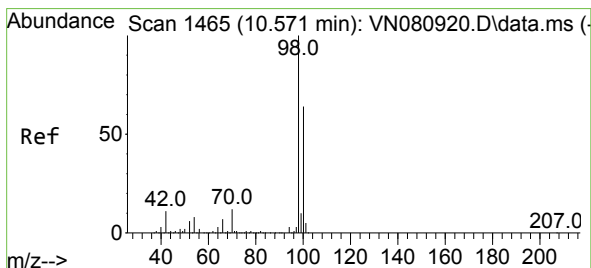
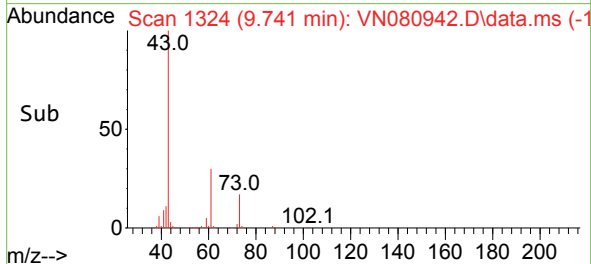
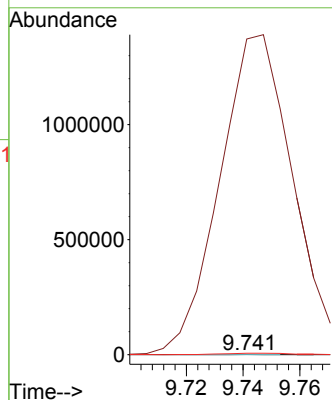
Tgt Ion: 88 Resp: 413

Ion Ratio Lower Upper

88 100

43 605655.9 30.1 45.1#

58 2845.5 63.9 95.9#



#50

Toluene-d8

Concen: 62.834 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN080942.D

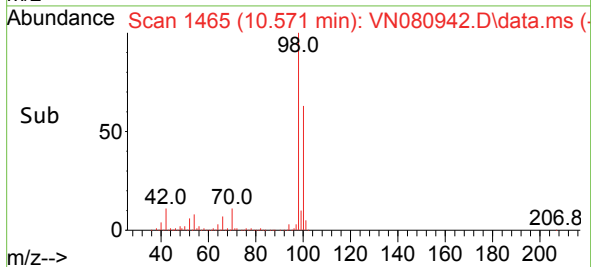
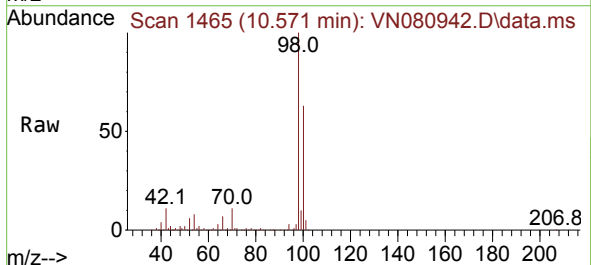
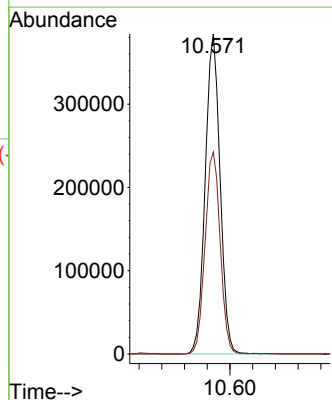
Acq: 07 Feb 2024 17:39

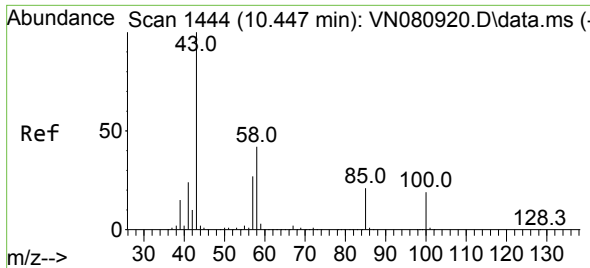
Tgt Ion: 98 Resp: 694485

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0

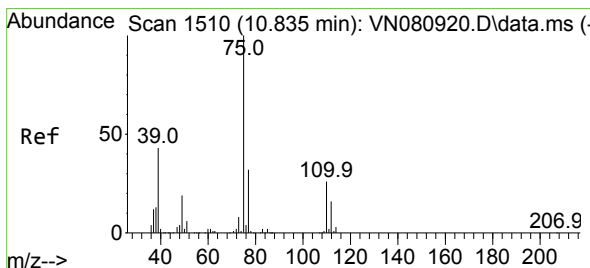
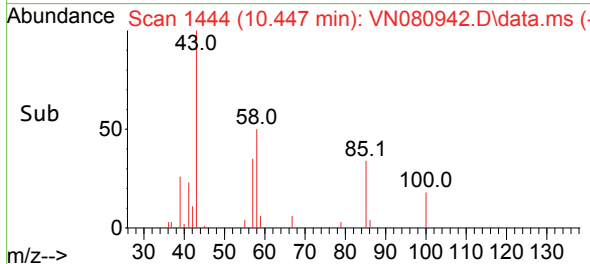
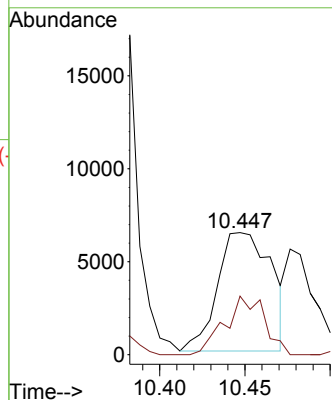
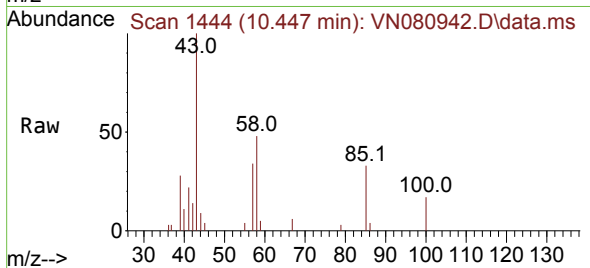




#51
4-Methyl-2-Pentanone
Concen: 3.678 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

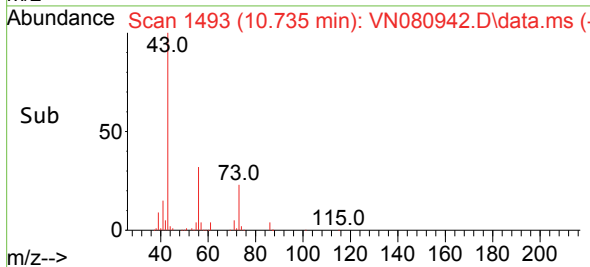
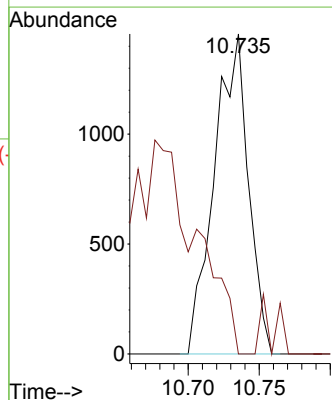
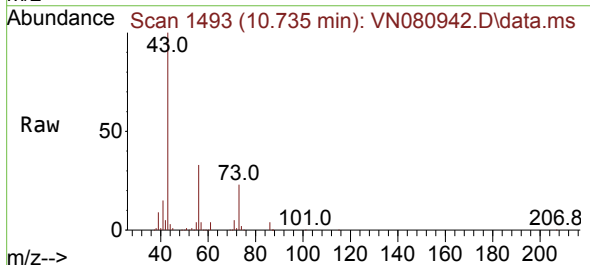
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#06

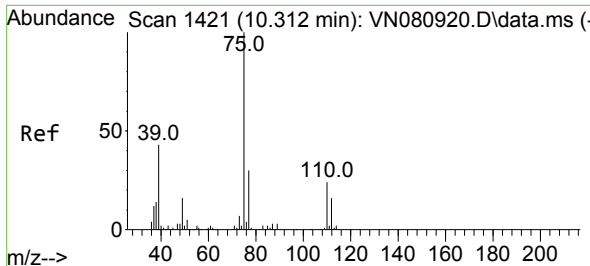
Tgt Ion: 43 Resp: 14020
Ion Ratio Lower Upper
43 100
58 36.4 29.4 44.0



#53
t-1,3-Dichloropropene
Concen: 0.465 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

Tgt Ion: 75 Resp: 2428
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

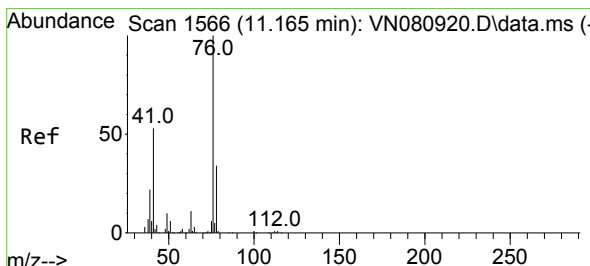
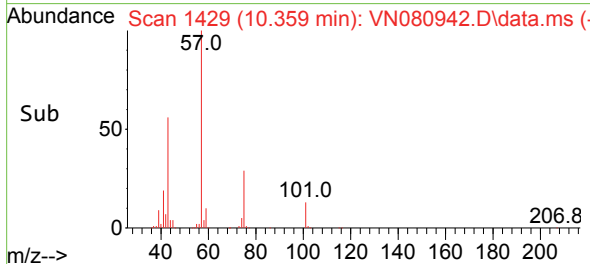
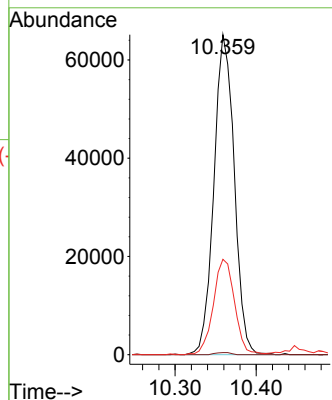
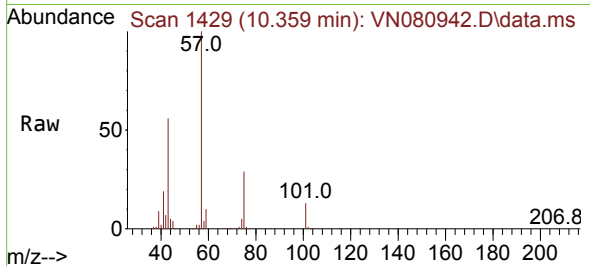




#54
 cis-1,3-Dichloropropene
 Concen: 19.345 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080942.D
 Acq: 07 Feb 2024 17:39

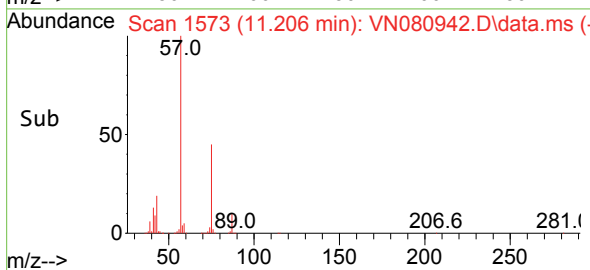
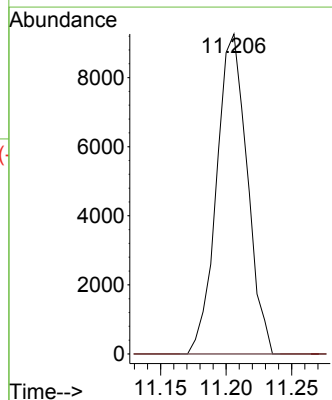
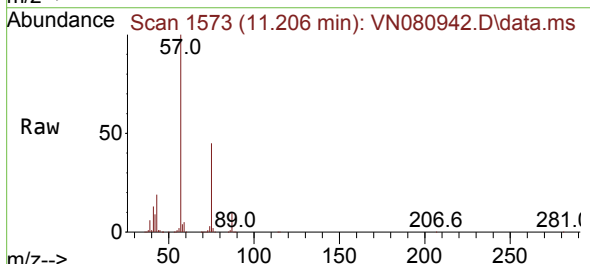
Instrument :
 MSVOA_N
 ClientSampleId :
 PB158850ZHE#06

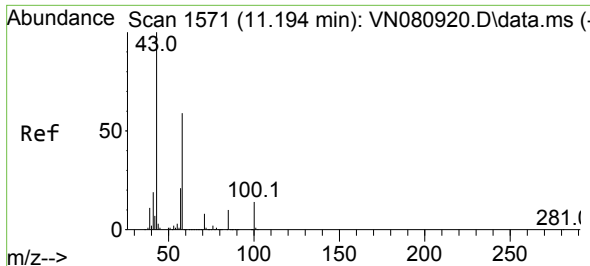
Tgt Ion: 75 Resp: 113464
 Ion Ratio Lower Upper
 75 100
 77 0.7 23.3 34.9#
 39 29.8 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.588 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN080942.D
 Acq: 07 Feb 2024 17:39

Tgt Ion: 76 Resp: 15040
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

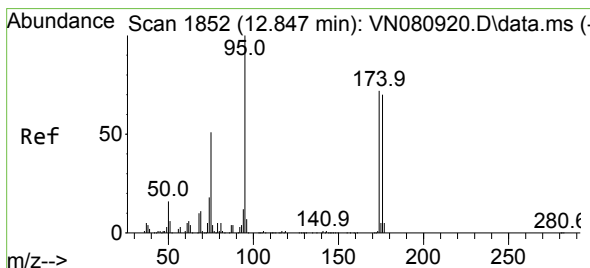
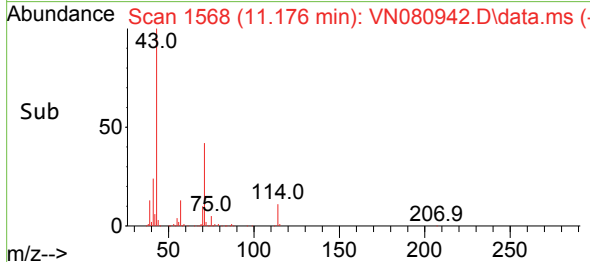
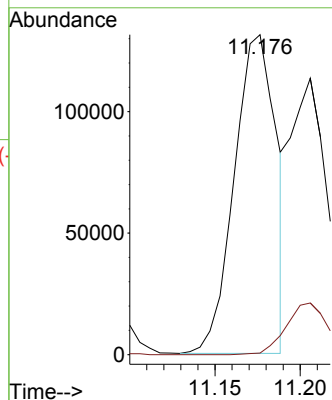
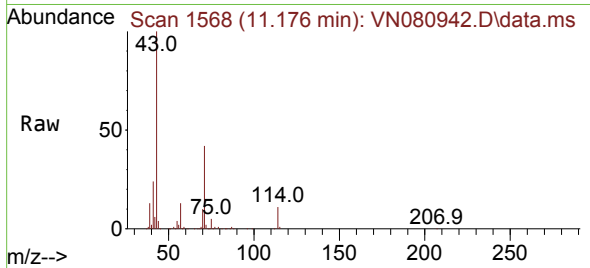




#59
2-Hexanone
Concen: 77.574 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.018 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

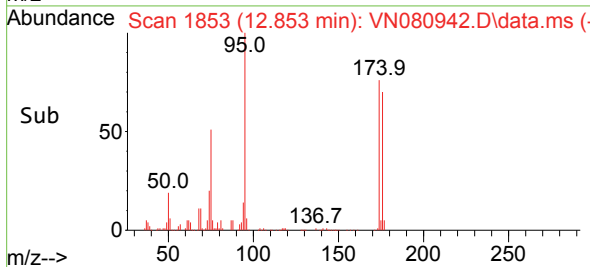
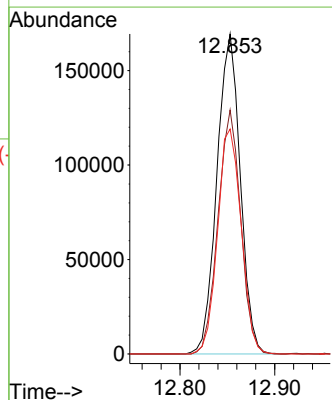
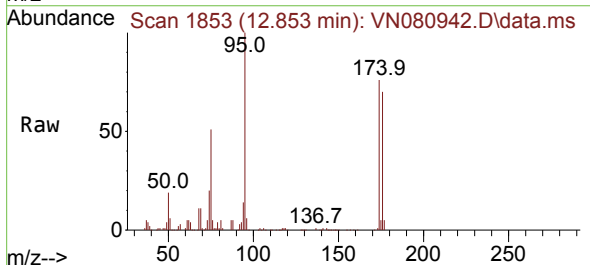
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#06

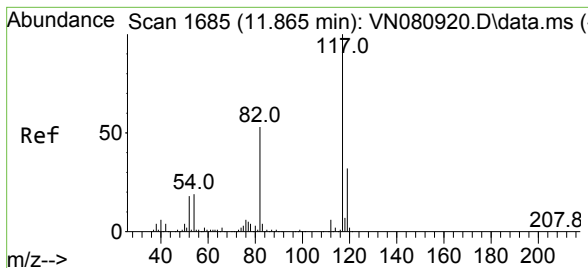
Tgt Ion: 43 Resp: 224115
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 72.339 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080942.D
Acq: 07 Feb 2024 17:39

Tgt Ion: 95 Resp: 290451
Ion Ratio Lower Upper
95 100
174 73.9 0.0 120.4
176 71.1 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080942.D

Acq: 07 Feb 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB158850ZHE#06

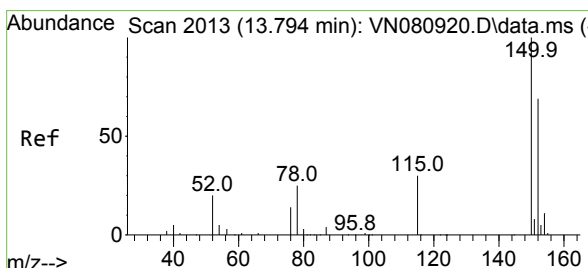
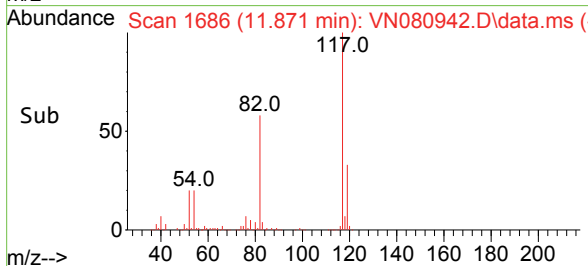
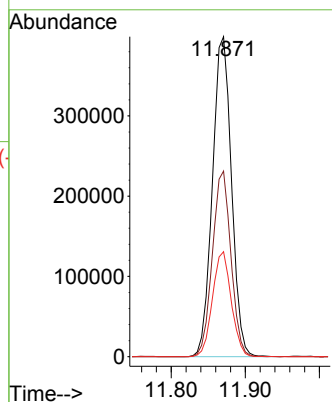
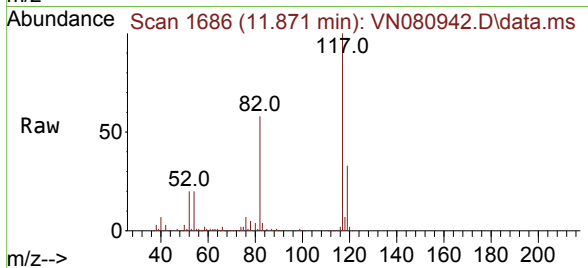
Tgt Ion:117 Resp: 711063

Ion Ratio Lower Upper

117 100

82 58.0 52.7 79.1

119 32.8 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080942.D

Acq: 07 Feb 2024 17:39

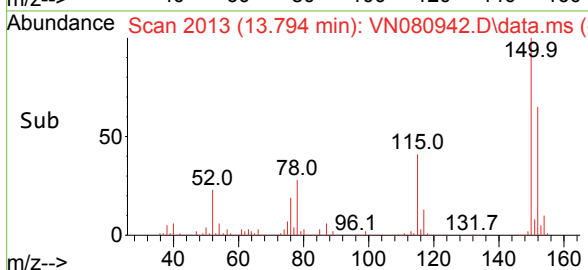
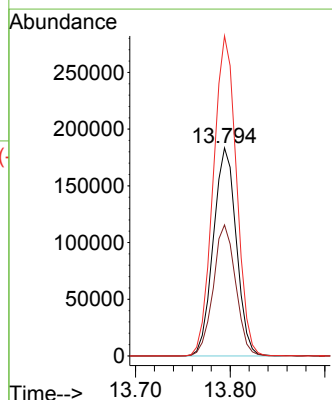
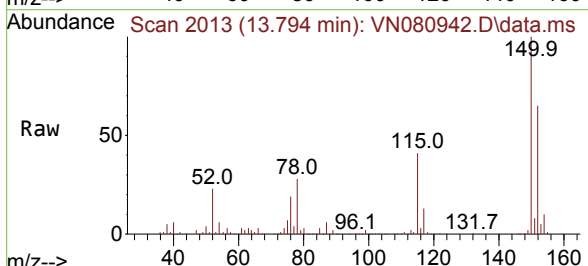
Tgt Ion:152 Resp: 309038

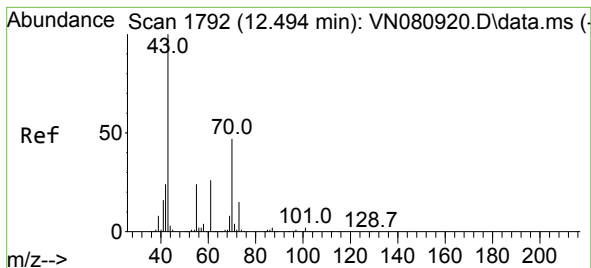
Ion Ratio Lower Upper

152 100

115 61.5 32.3 96.8

150 155.5 0.0 339.8





#74

N-amy1 acetate

Concen: 0.320 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080942.D

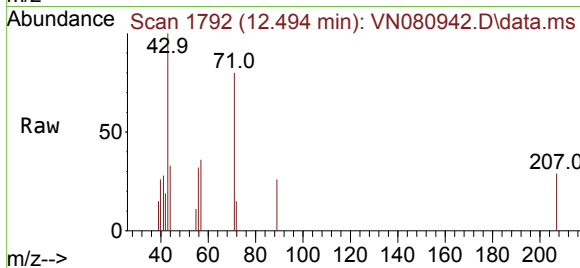
Acq: 07 Feb 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB158850ZHE#06



Tgt Ion: 43 Resp: 2776

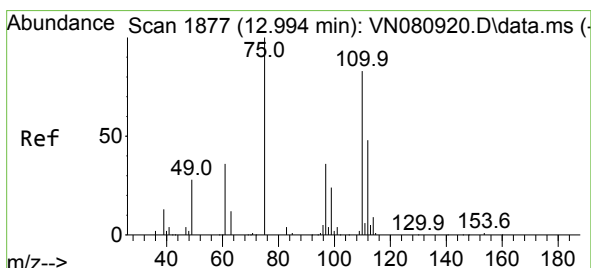
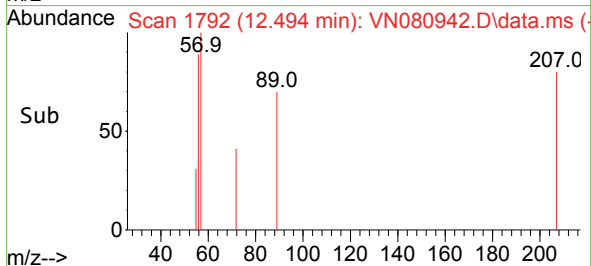
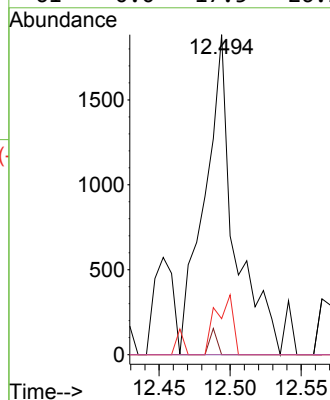
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 10.7 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 24.576 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080942.D

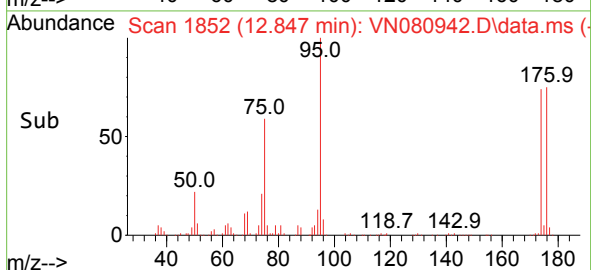
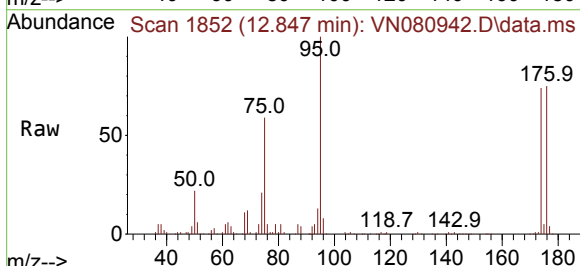
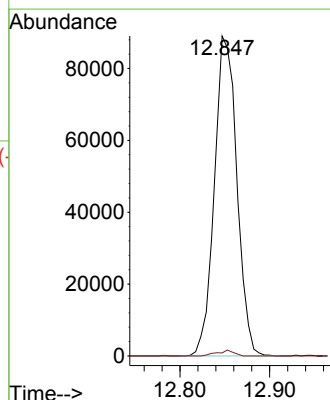
Acq: 07 Feb 2024 17:39

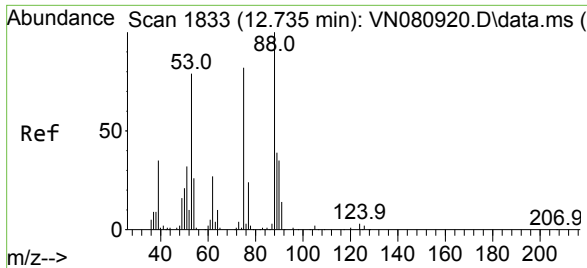
Tgt Ion: 75 Resp: 154856

Ion Ratio Lower Upper

75 100

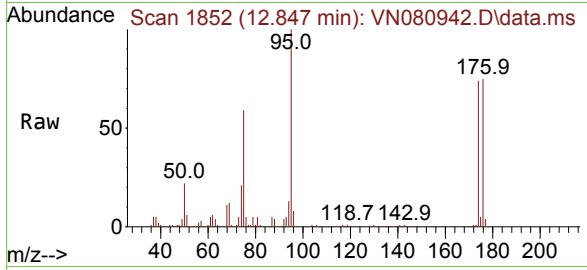
77 1.3 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.770 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080942.D
 Acq: 07 Feb 2024 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 PB158850ZHE#06



Tgt Ion: 75 Resp: 154856
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#

