

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020724\
 Data File : VN080939.D
 Acq On : 07 Feb 2024 16:27
 Operator : JC\MD
 Sample : PB158850ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB158850ZHE#03

Quant Time: Feb 08 00:27:44 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)

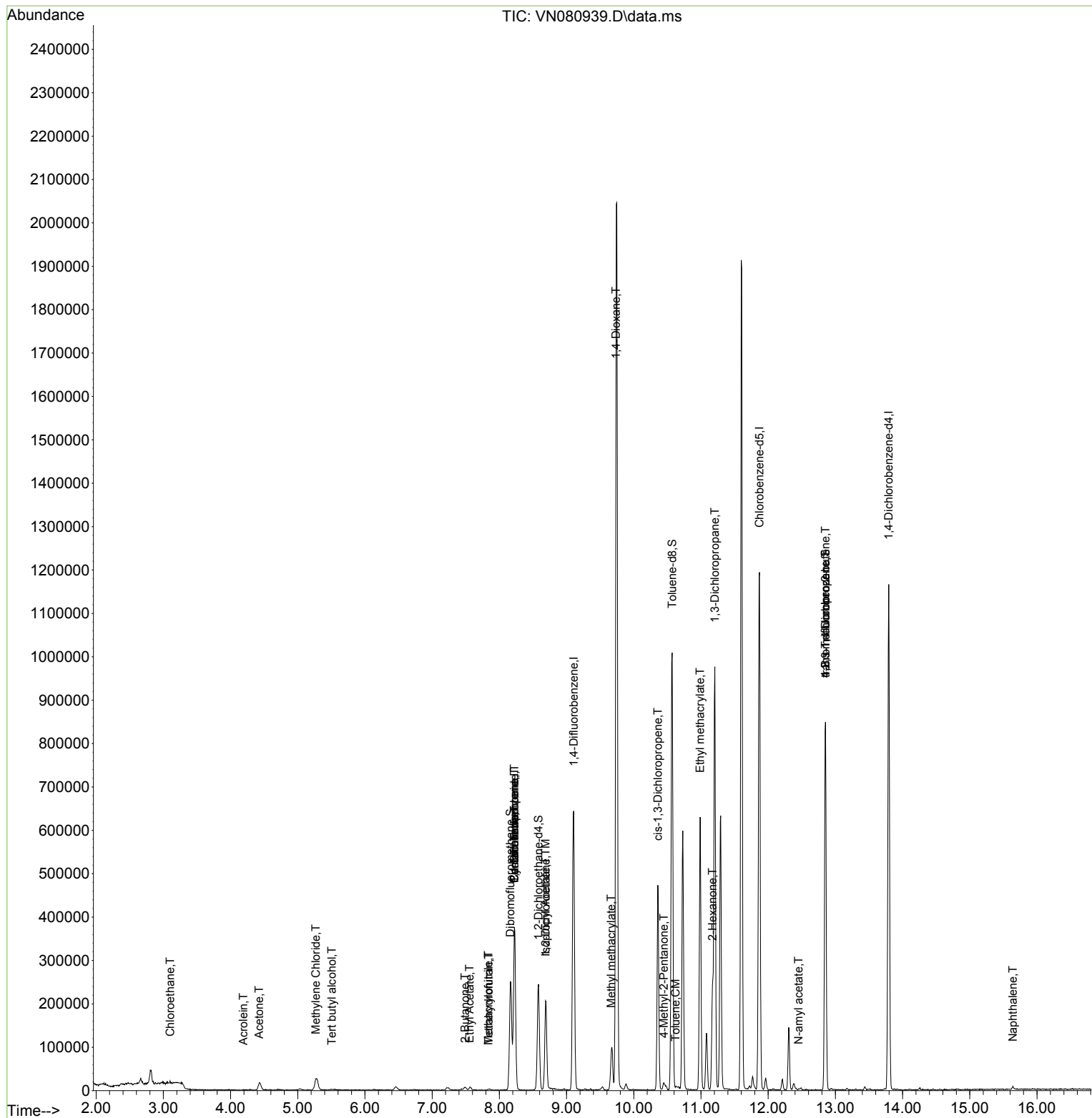
Internal Standards						
1) Pentafluorobenzene	8.224	168	265496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	573018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	708369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	308432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	195756	58.448	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.900%			
35) Dibromofluoromethane	8.165	113	180552	58.720	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.440%			
50) Toluene-d8	10.571	98	705594	63.442	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 126.880%#			
62) 4-Bromofluorobenzene	12.853	95	298303	73.832	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 147.660%#			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	3877	Below Cal		89
6) Chloroethane	3.101	64	1069	0.386	ug/l	96
11) Tert butyl alcohol	5.506	59	799	1.731	ug/l #	72
13) Acrolein	4.189	56	237	0.407	ug/l #	46
16) Acetone	4.424	43	31475	28.564	ug/l	92
18) Methyl Acetate	5.030	43	4505	Below Cal	#	72
20) Methylene Chloride	5.271	84	11766	3.524	ug/l	90
25) 2-Butanone	7.488	43	10396	5.878	ug/l	96
29) Tetrahydrofuran	7.841	42	1828	1.691	ug/l #	81
31) Cyclohexane	8.224	56	7557	1.651	ug/l #	24
36) 1,1-Dichloropropene	8.224	75	24536	5.364	ug/l #	51
37) Ethyl Acetate	7.559	43	9743	2.815	ug/l #	94
38) Carbon Tetrachloride	8.224	117	28742	6.129	ug/l #	17
41) Methacrylonitrile	7.836	41	647	0.314	ug/l #	42
42) 1,2-Dichloroethane	8.688	62	2008	0.414	ug/l #	75
43) Isopropyl Acetate	8.688	43	229912	36.123	ug/l #	91
48) Methyl methacrylate	9.665	41	6708	1.871	ug/l #	46
49) 1,4-Dioxane	9.735	88	183	2.764	ug/l #	18
51) 4-Methyl-2-Pentanone	10.447	43	17205	4.486	ug/l #	81
52) Toluene	10.624	92	2558	0.274	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	87138	14.764	ug/l #	59
56) Ethyl methacrylate	10.988	69	2201	0.510	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	11094	1.897	ug/l #	43
59) 2-Hexanone	11.171	43	175362	60.321	ug/l #	26
74) N-amyl acetate	12.453	43	2238	0.259	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	162397	25.823	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	162397	70.159	ug/l #	14
95) Naphthalene	15.641	128	5428	0.322	ug/l #	91

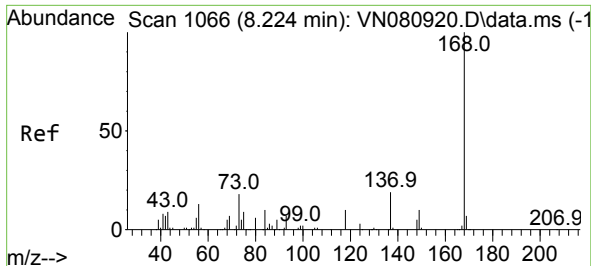
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 07 06:22:23 2024
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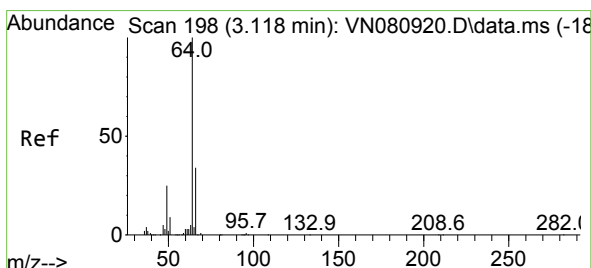
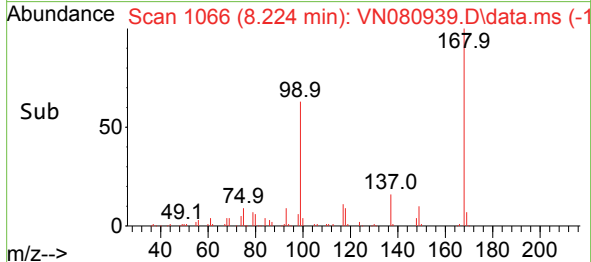
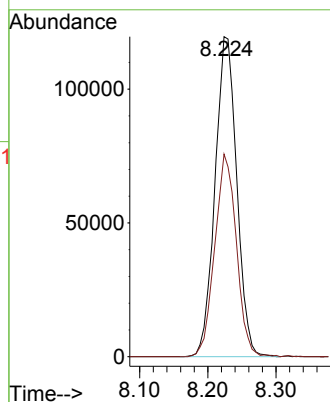
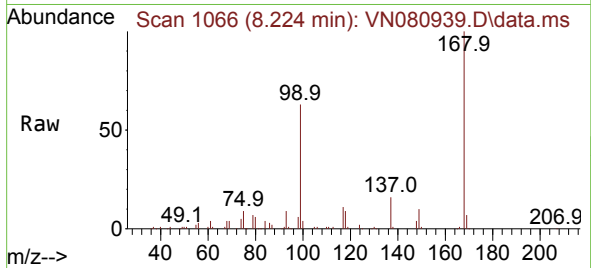




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

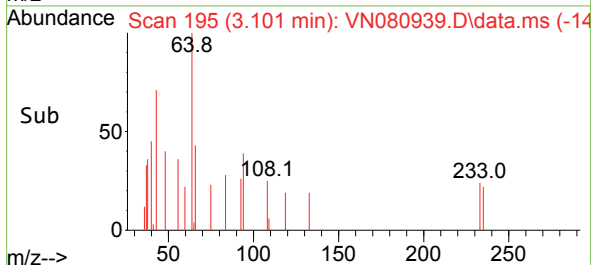
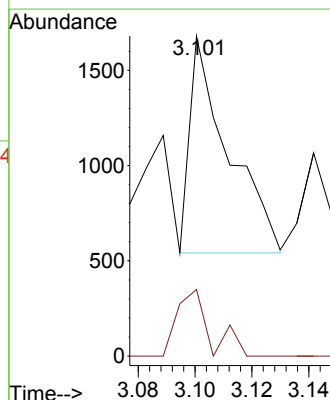
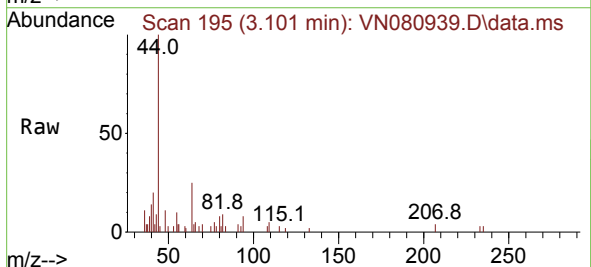
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#03

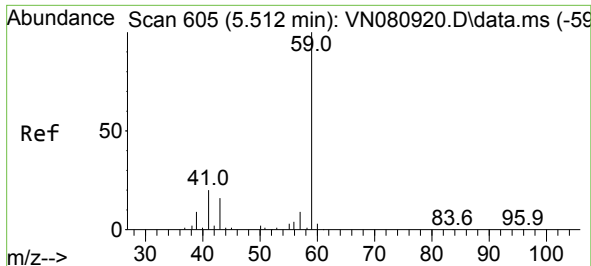
Tgt Ion:168 Resp: 265496
Ion Ratio Lower Upper
168 100
99 63.3 59.9 89.9



#6
Chloroethane
Concen: 0.386 ug/l
RT: 3.101 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

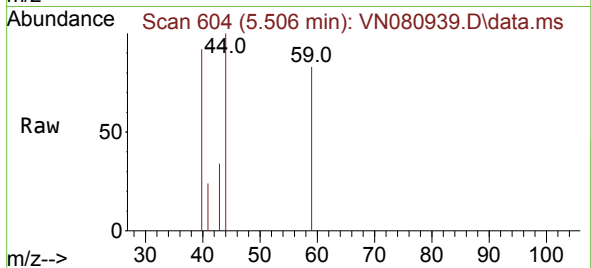
Tgt Ion: 64 Resp: 1069
Ion Ratio Lower Upper
64 100
66 30.6 26.4 39.6



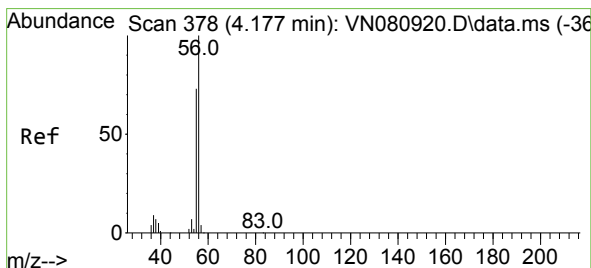
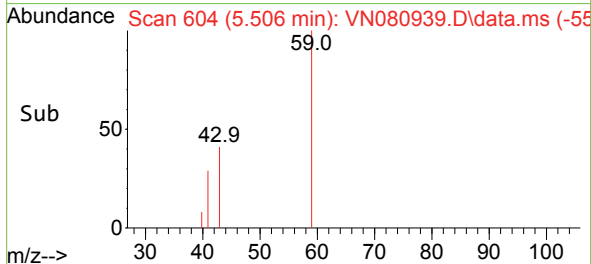
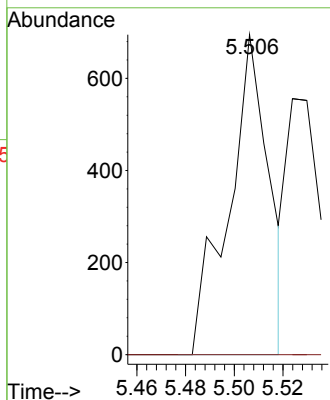


#11
Tert butyl alcohol
Concen: 1.731 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#03

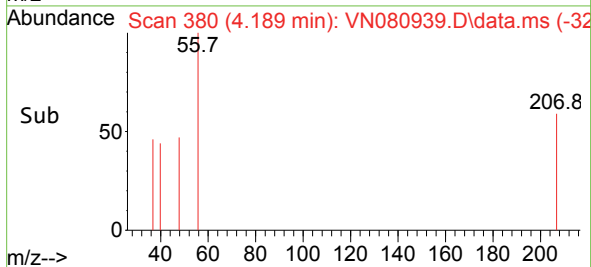
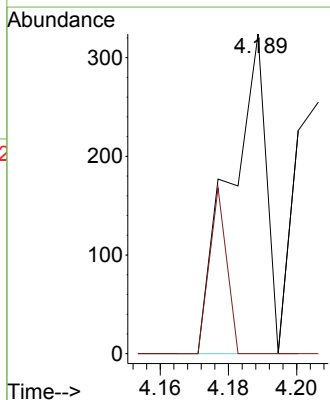
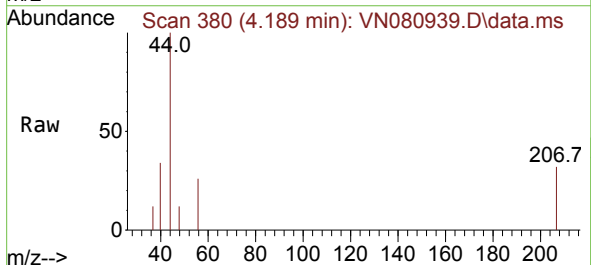


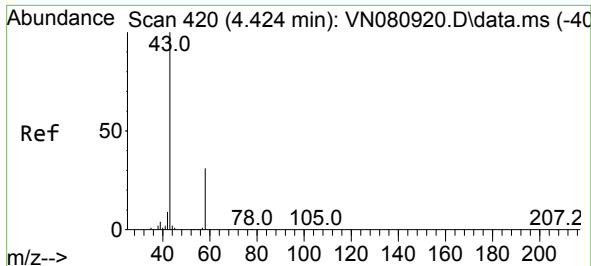
Tgt Ion: 59 Resp: 799
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.407 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Tgt Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 24.9 55.3 82.9#

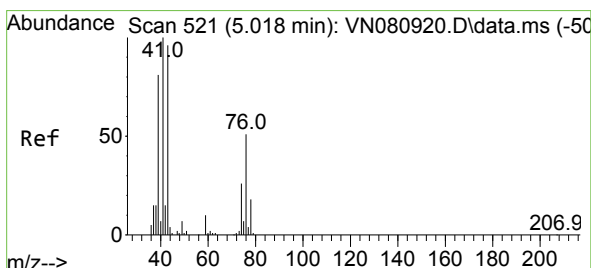
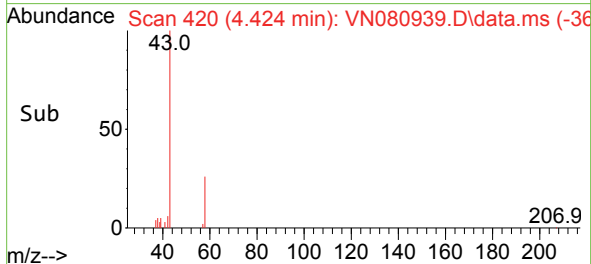
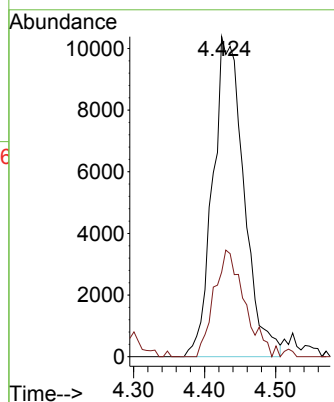
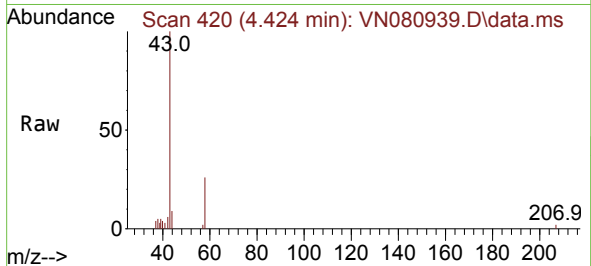




#16
Acetone
Concen: 28.564 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

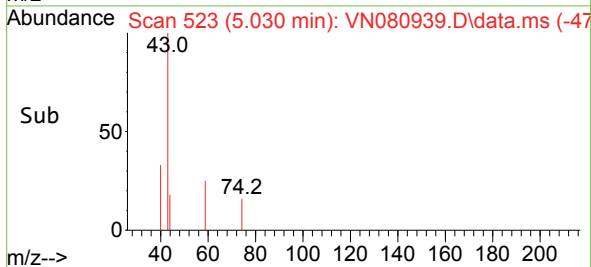
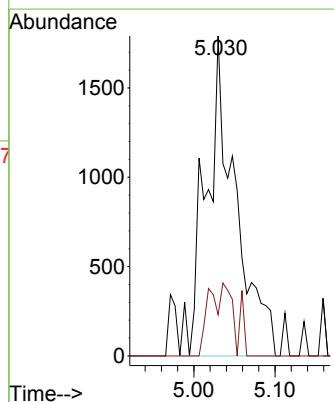
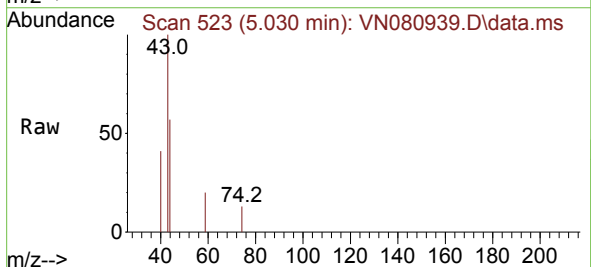
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#03

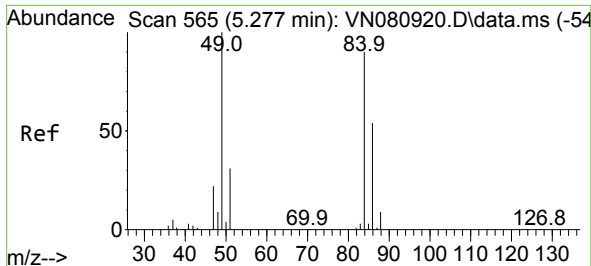
Tgt Ion: 43 Resp: 31475
Ion Ratio Lower Upper
43 100
58 26.4 24.8 37.2



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Tgt Ion: 43 Resp: 4505
Ion Ratio Lower Upper
43 100
74 8.5 17.3 25.9#



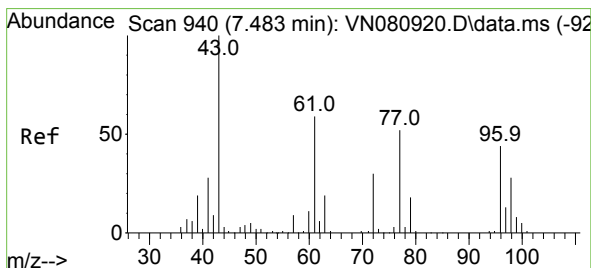
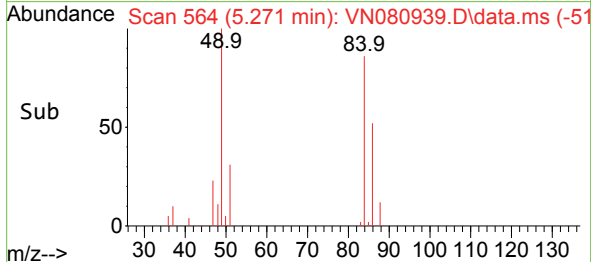
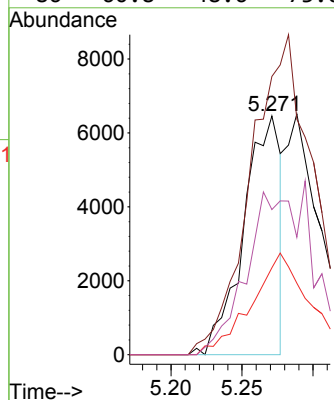
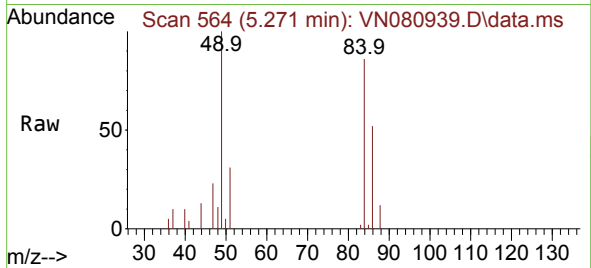


#20
Methylene Chloride
Concen: 3.524 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#03

Tgt Ion: 84 Resp: 11766

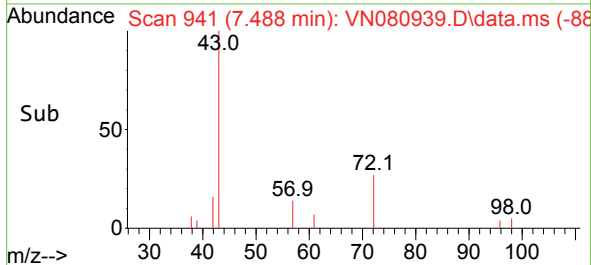
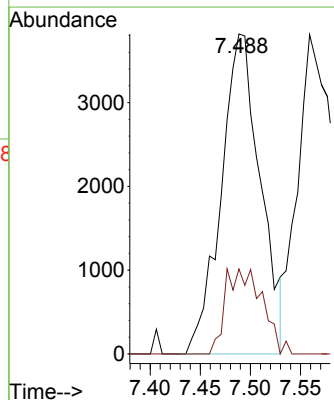
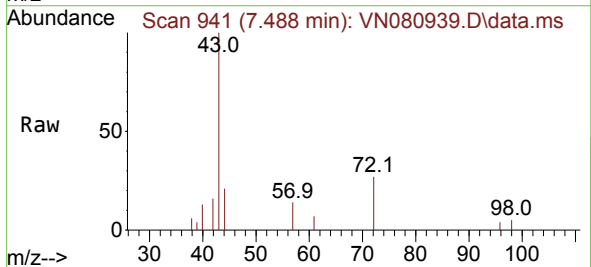
Ion	Ratio	Lower	Upper
84	100		
49	116.6	108.1	162.1
51	36.4	32.9	49.3
86	60.8	48.6	73.0

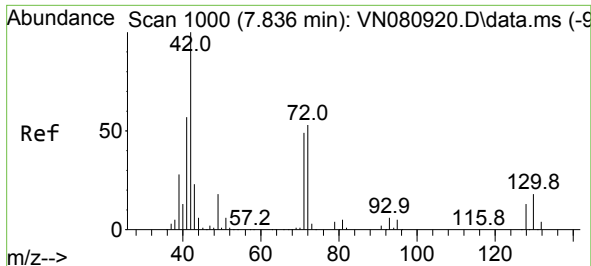


#25
2-Butanone
Concen: 5.878 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Tgt Ion: 43 Resp: 10396

Ion	Ratio	Lower	Upper
43	100		
72	26.6	19.5	29.3





#29

Tetrahydrofuran

Concen: 1.691 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN080939.D

Acq: 07 Feb 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

PB158850ZHE#03

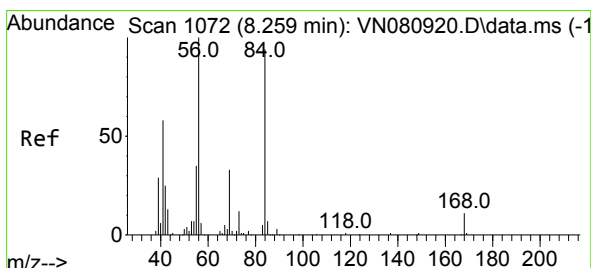
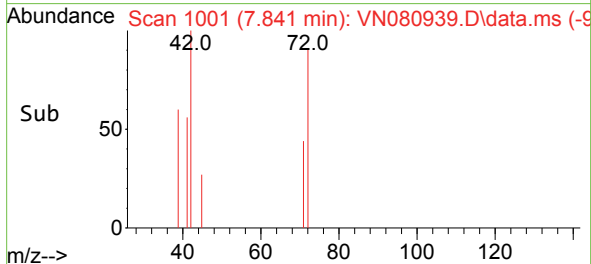
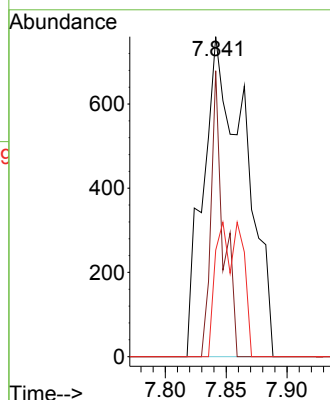
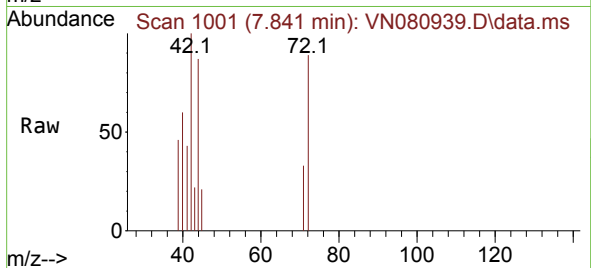
Tgt Ion: 42 Resp: 1828

Ion Ratio Lower Upper

42 100

72 26.1 31.1 46.7#

71 25.8 28.3 42.5#



#31

Cyclohexane

Concen: 1.651 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN080939.D

Acq: 07 Feb 2024 16:27

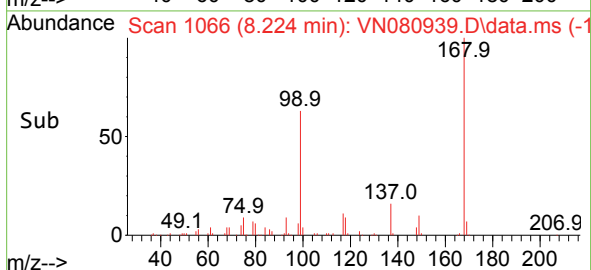
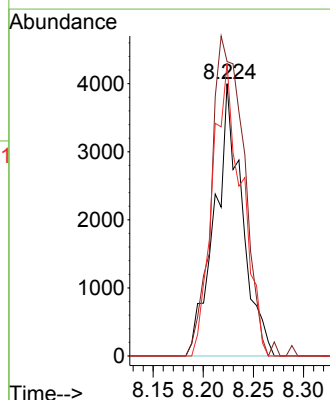
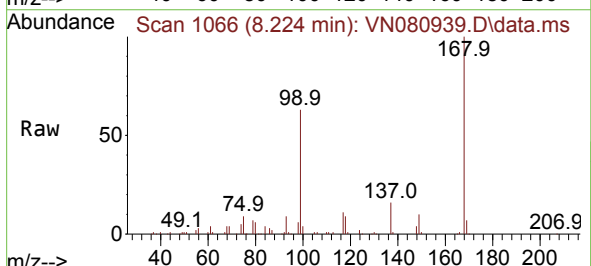
Tgt Ion: 56 Resp: 7557

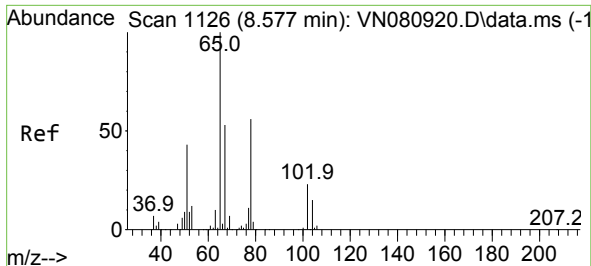
Ion Ratio Lower Upper

56 100

69 108.1 20.1 30.1#

84 107.5 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 58.448 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080939.D

Acq: 07 Feb 2024 16:27

Instrument :

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ClientSampleId :

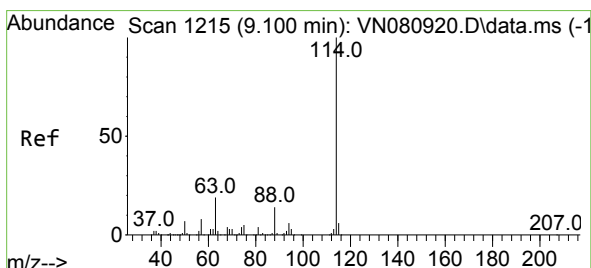
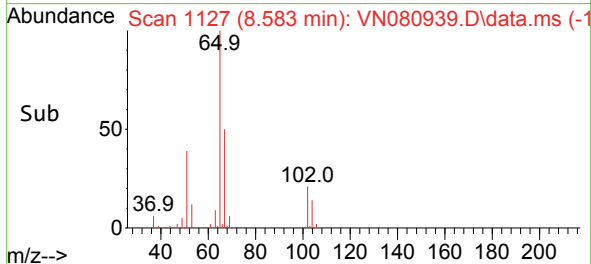
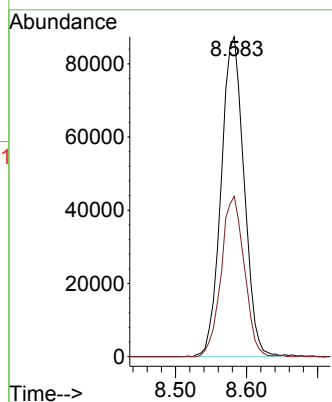
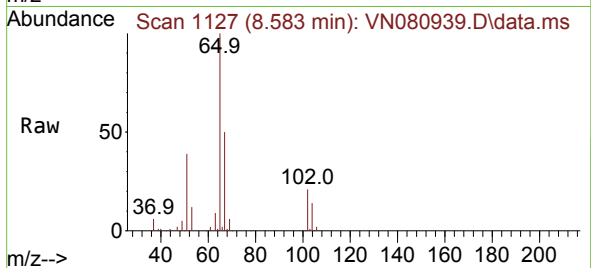
PB158850ZHE#03

Tgt Ion: 65 Resp: 195756

Ion Ratio Lower Upper

65 100

67 50.5 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: VN080939.D

Acq: 07 Feb 2024 16:27

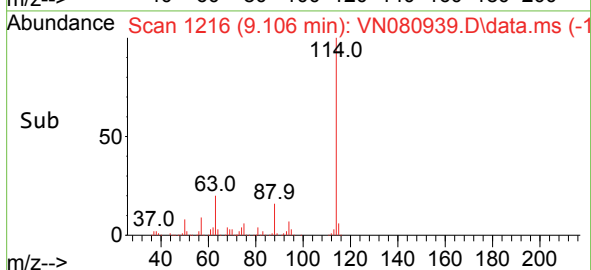
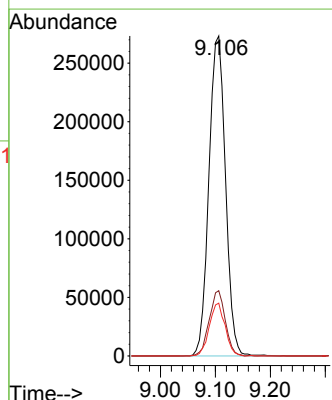
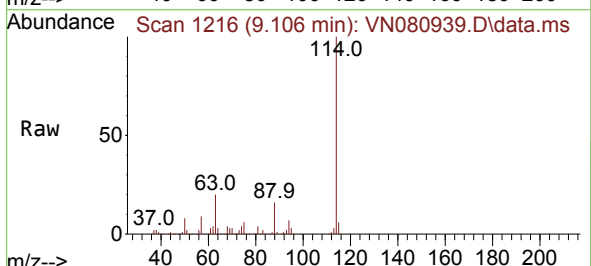
Tgt Ion: 114 Resp: 573018

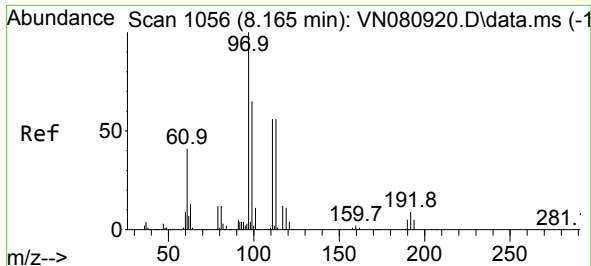
Ion Ratio Lower Upper

114 100

63 20.4 0.0 48.0

88 16.5 0.0 34.8

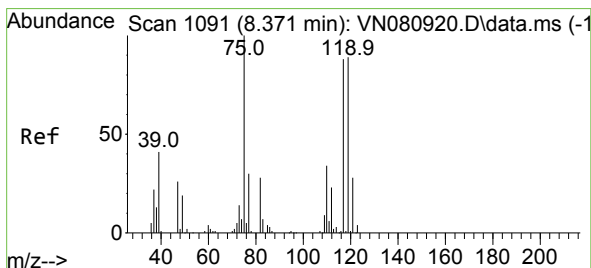
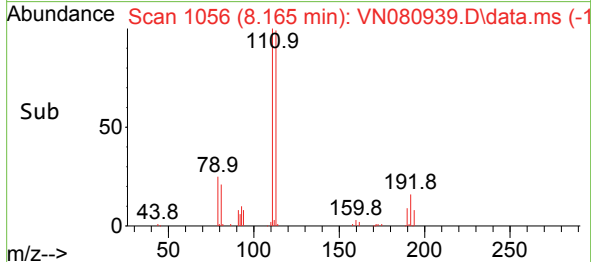
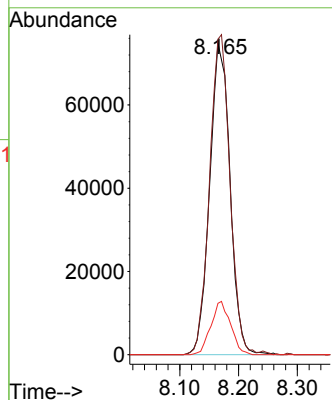
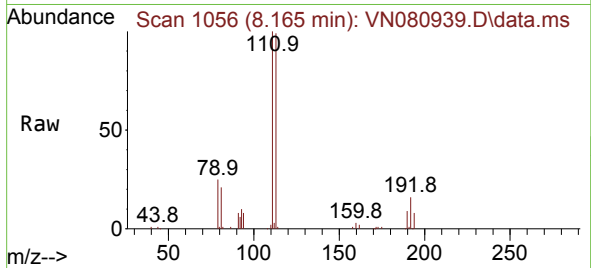




#35
Dibromofluoromethane
Concen: 58.720 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

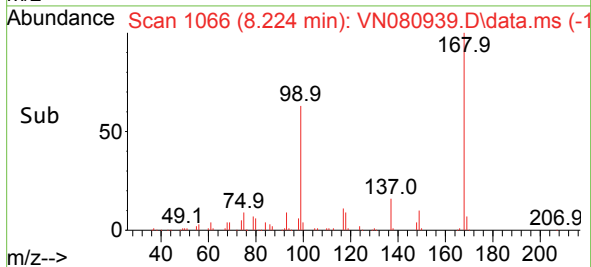
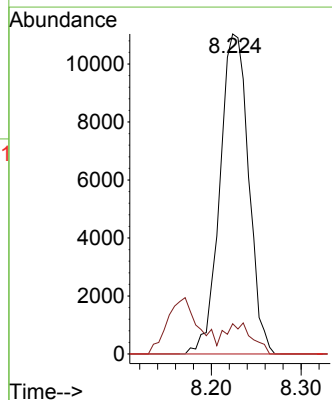
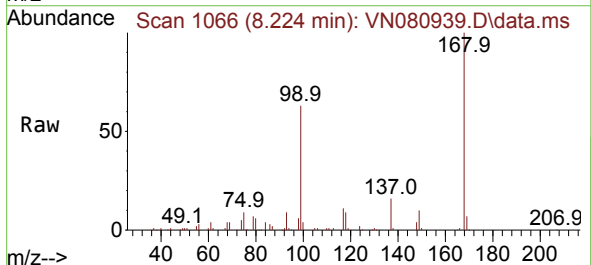
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#03

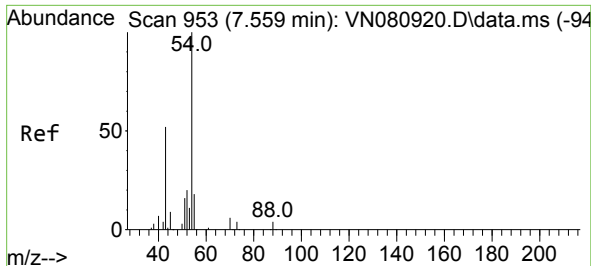
Tgt Ion:113 Resp: 180552
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 16.5 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.364 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Tgt Ion: 75 Resp: 24536
Ion Ratio Lower Upper
75 100
110 9.1 16.0 48.0#
77 0.0 25.8 38.6#

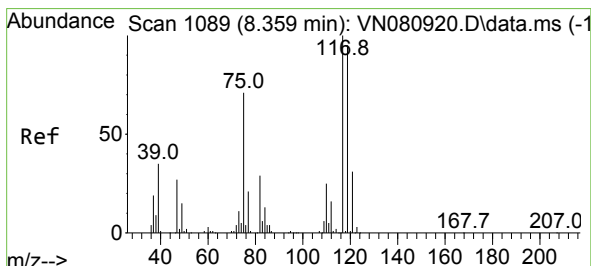
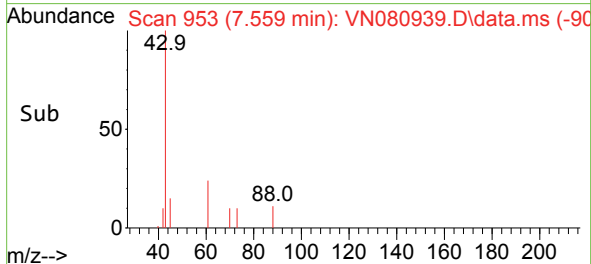
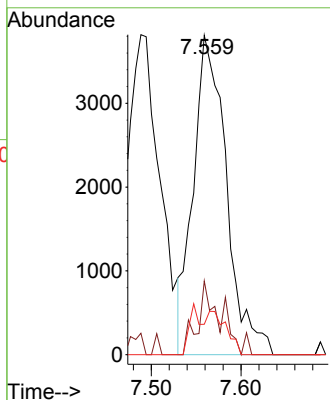
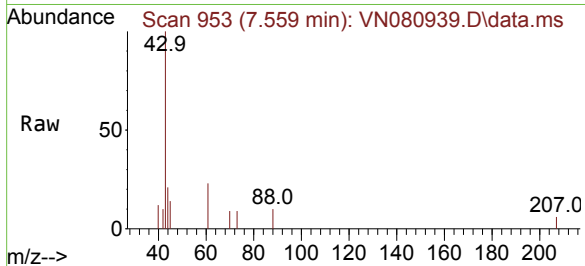




#37
Ethyl Acetate
Concen: 2.815 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

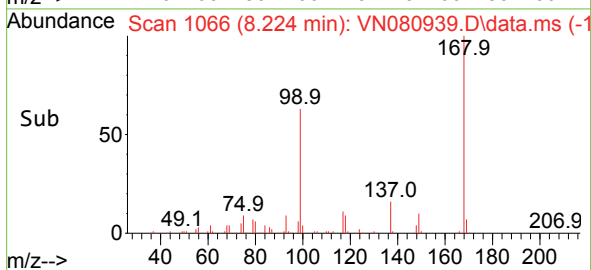
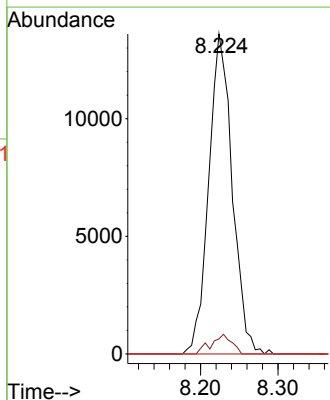
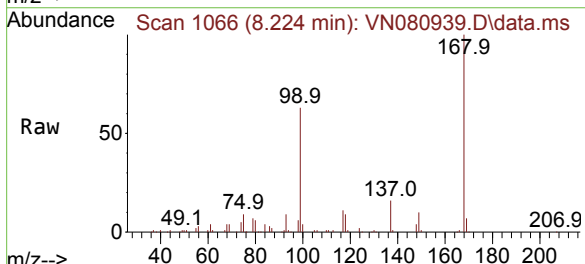
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#03

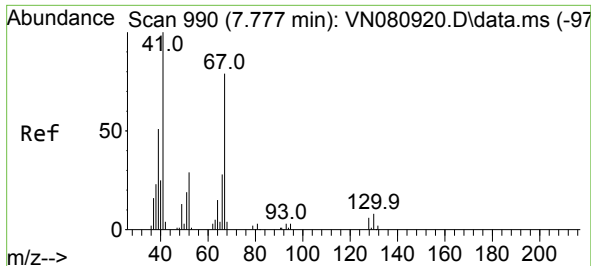
Tgt Ion: 43 Resp: 9743
Ion Ratio Lower Upper
43 100
61 15.5 10.6 15.8
70 7.8 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 6.129 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Tgt Ion: 117 Resp: 28742
Ion Ratio Lower Upper
117 100
119 4.7 73.4 110.2#
121 0.0 24.4 36.6#

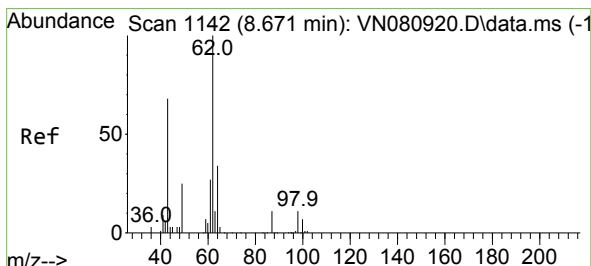
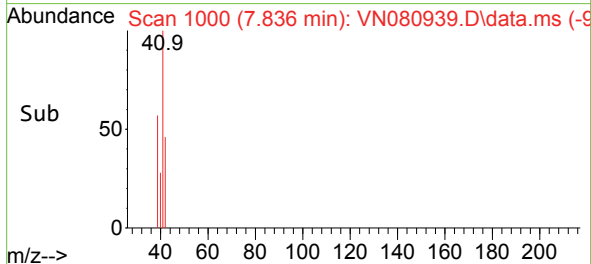
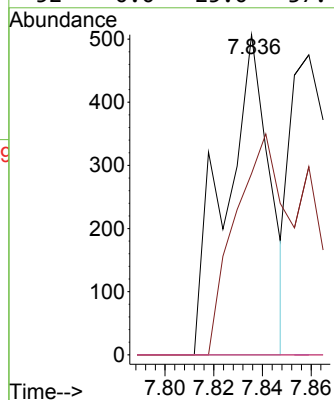
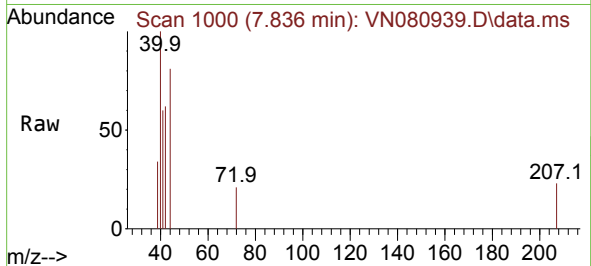




#41
Methacrylonitrile
Concen: 0.314 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.059 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

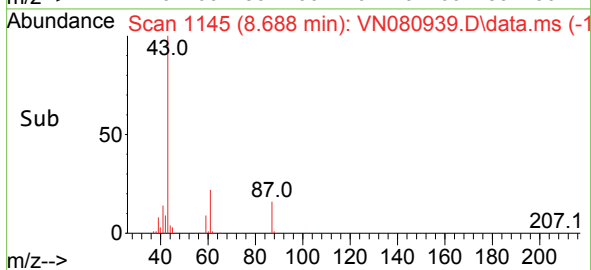
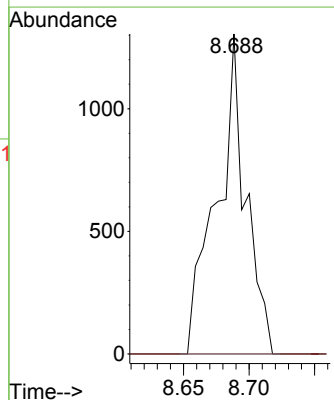
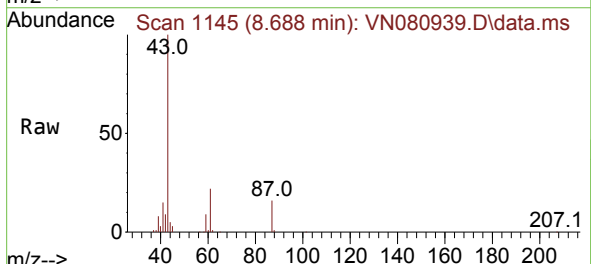
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#03

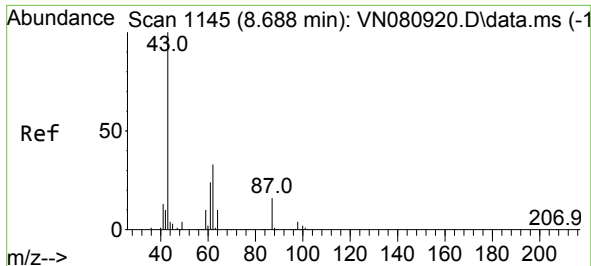
Tgt Ion: 41	Resp: 647		
Ion	Ratio	Lower	Upper
41	100		
39	79.9	48.4	72.6#
67	0.0	56.8	85.2#
52	0.0	25.0	37.4#



#42
1,2-Dichloroethane
Concen: 0.414 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Tgt Ion: 62	Resp: 2008
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 18.0

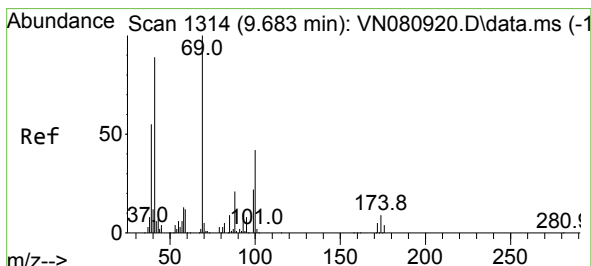
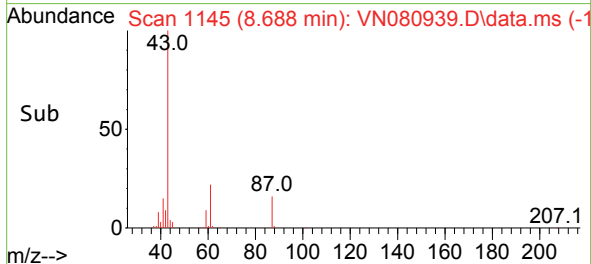
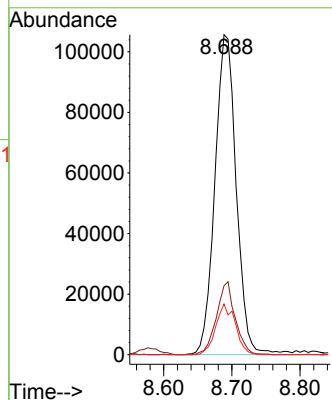
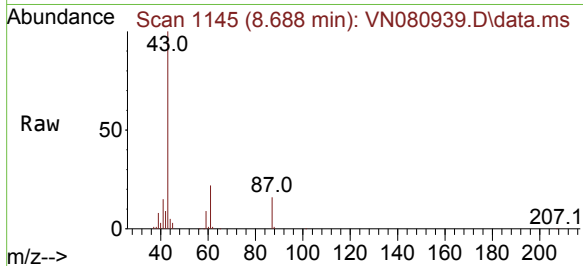




#43
Isopropyl Acetate
Concen: 36.123 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

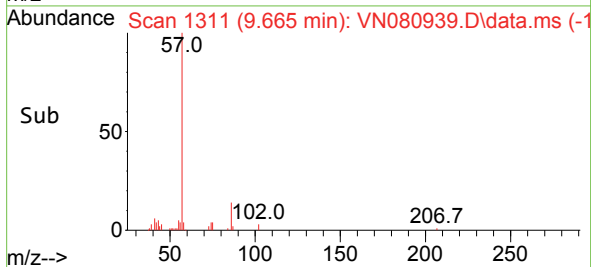
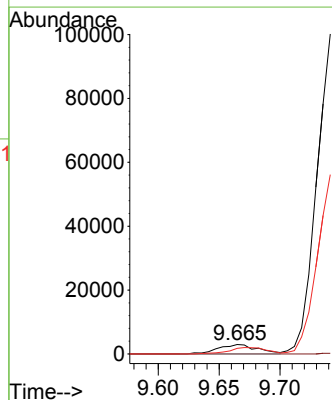
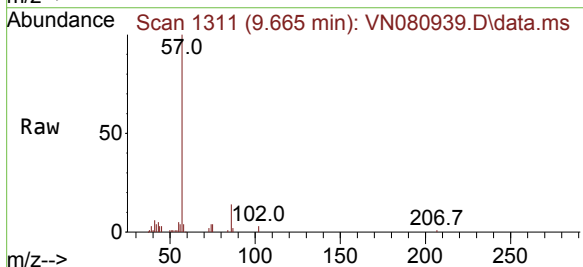
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#03

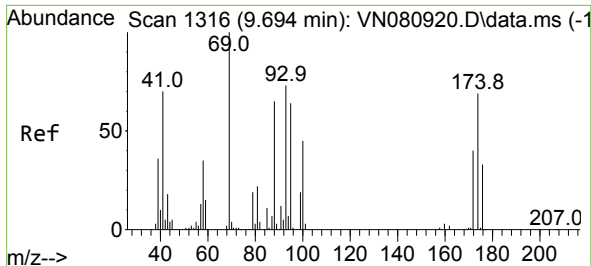
Tgt Ion: 43 Resp: 229912
Ion Ratio Lower Upper
43 100
61 20.2 19.9 29.9
87 14.6 9.0 13.6#



#48
Methyl methacrylate
Concen: 1.871 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Tgt Ion: 41 Resp: 6708
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 64.6 47.6 71.4





#49

1,4-Dioxane

Concen: 2.764 ug/l

RT: 9.735 min Scan# 1316

Delta R.T. 0.041 min

Lab File: VN080939.D

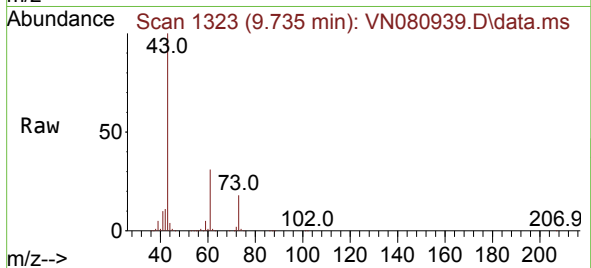
Acq: 07 Feb 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

PB158850ZHE#03



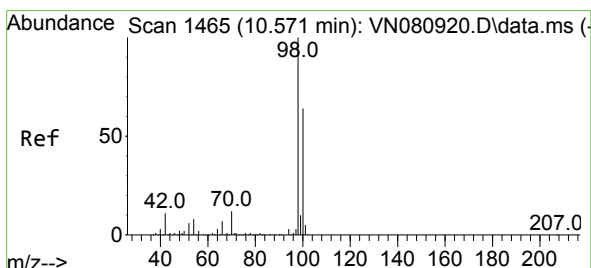
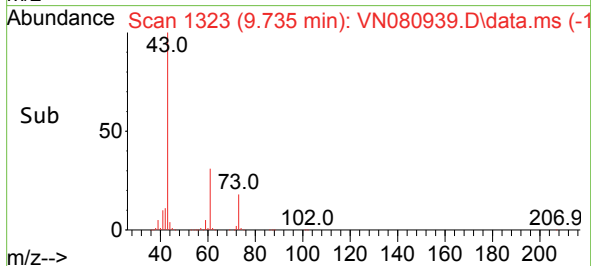
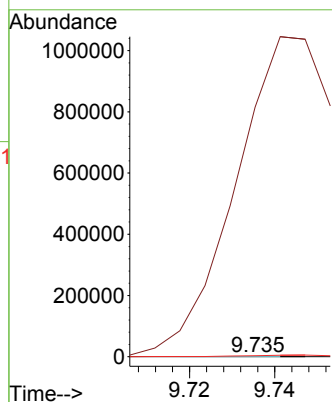
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 63.442 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN080939.D

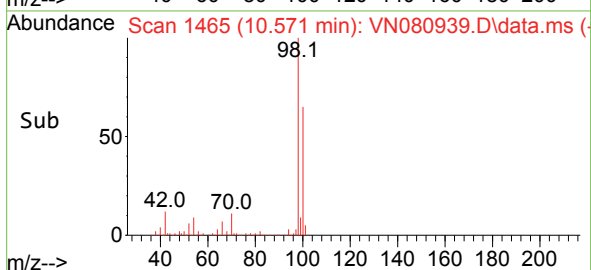
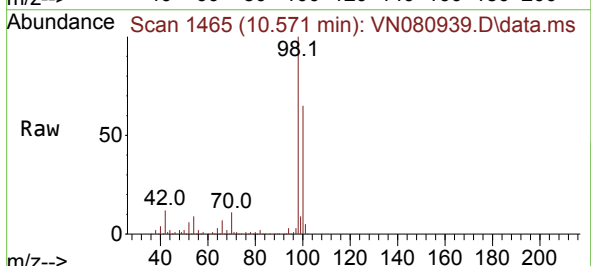
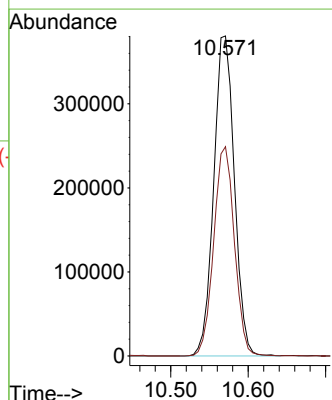
Acq: 07 Feb 2024 16:27

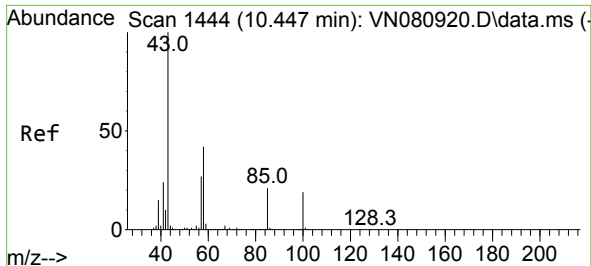
Tgt Ion: 98 Resp: 705594

Ion Ratio Lower Upper

98 100

100 65.7 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 4.486 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN080939.D

Acq: 07 Feb 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

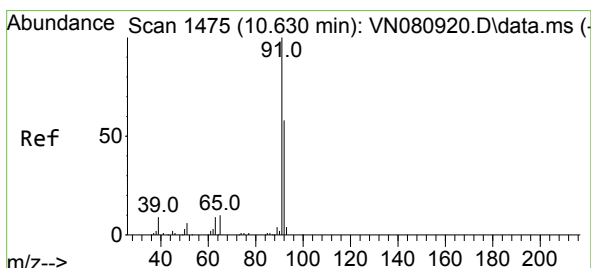
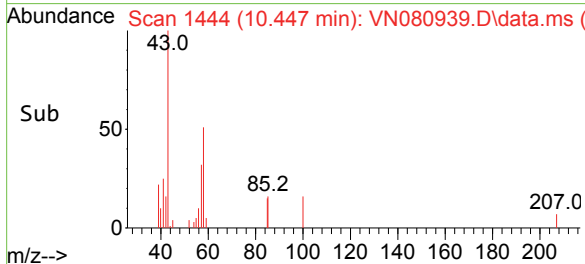
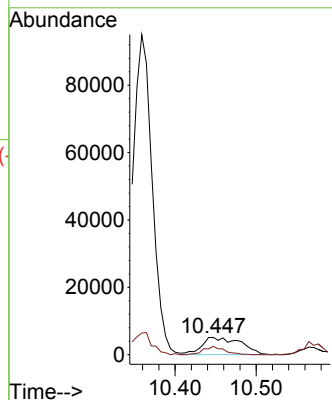
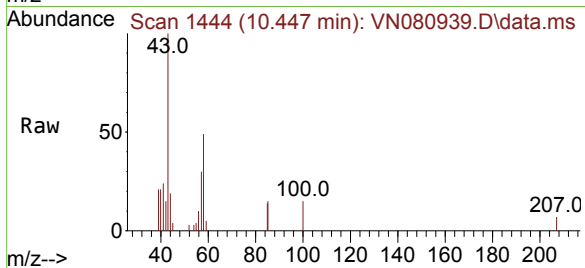
PB158850ZHE#03

Tgt Ion: 43 Resp: 17205

Ion Ratio Lower Upper

43 100

58 25.6 29.4 44.0#



#52

Toluene

Concen: 0.274 ug/l

RT: 10.624 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN080939.D

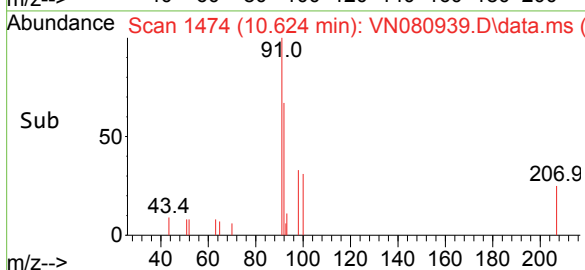
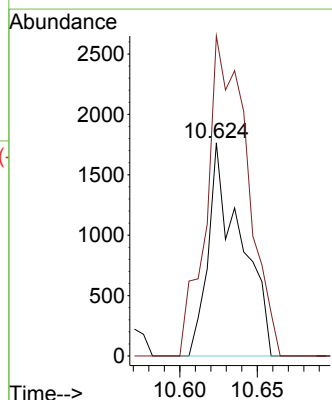
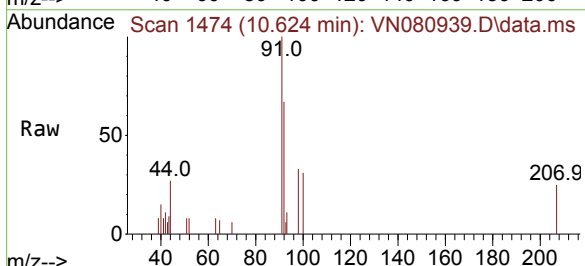
Acq: 07 Feb 2024 16:27

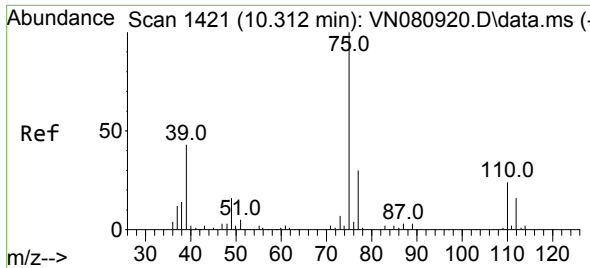
Tgt Ion: 92 Resp: 2558

Ion Ratio Lower Upper

92 100

91 188.9 139.4 209.0

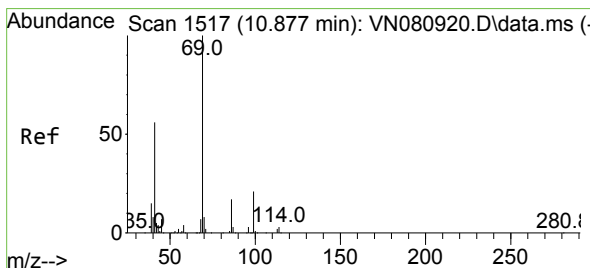
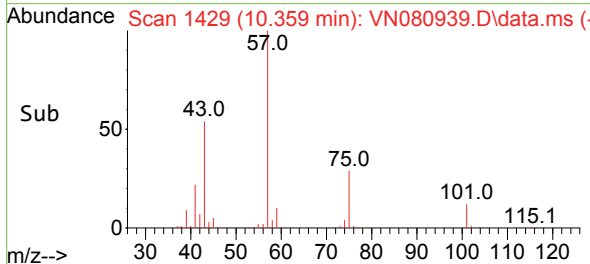
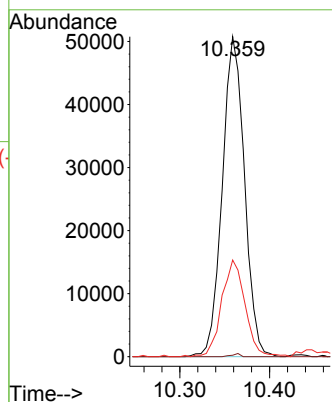
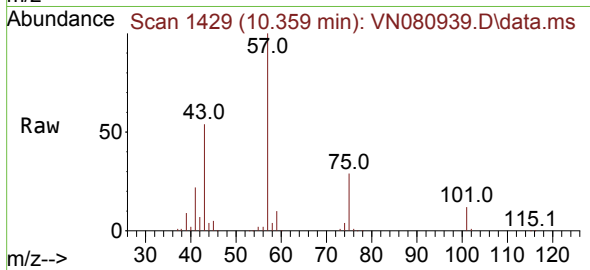




#54
 cis-1,3-Dichloropropene
 Concen: 14.764 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080939.D
 Acq: 07 Feb 2024 16:27

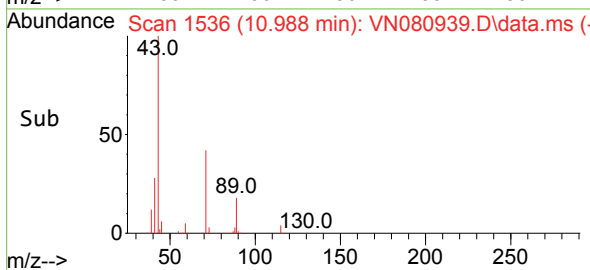
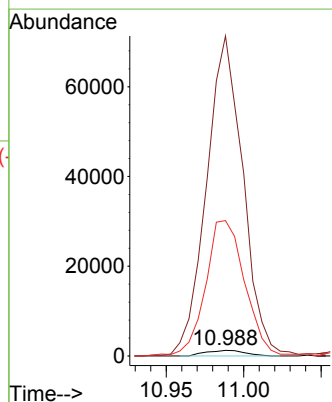
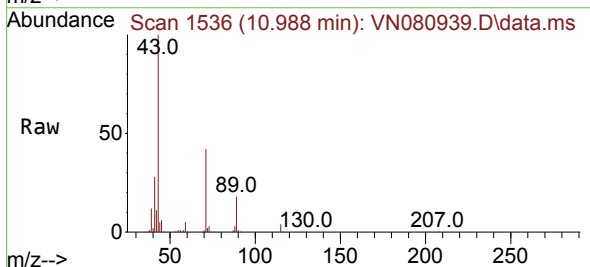
Instrument :
 MSVOA_N
 ClientSampleId :
 PB158850ZHE#03

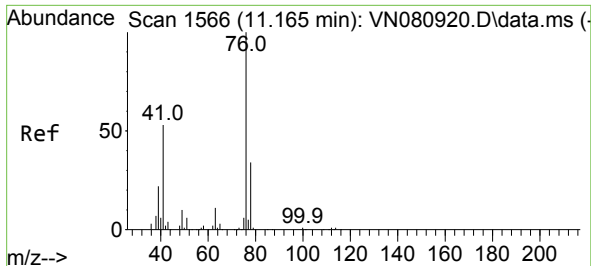
Tgt Ion: 75 Resp: 87138
 Ion Ratio Lower Upper
 75 100
 77 0.5 23.3 34.9#
 39 30.2 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.510 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.111 min
 Lab File: VN080939.D
 Acq: 07 Feb 2024 16:27

Tgt Ion: 69 Resp: 2201
 Ion Ratio Lower Upper
 69 100
 41 5329.9 61.0 91.6#
 39 2424.5 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.897 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN080939.D

Acq: 07 Feb 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

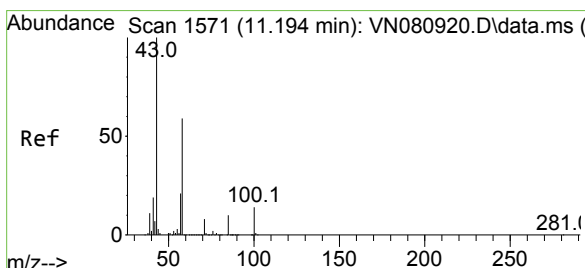
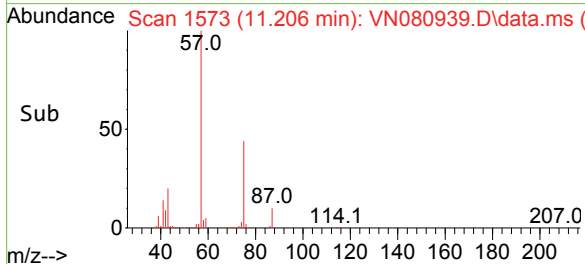
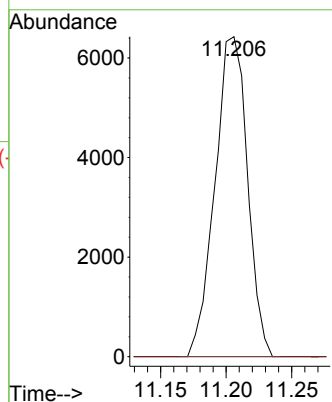
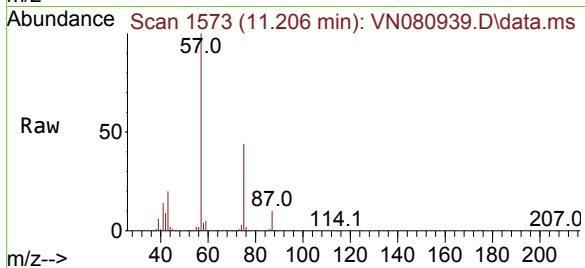
PB158850ZHE#03

Tgt Ion: 76 Resp: 11094

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 60.321 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN080939.D

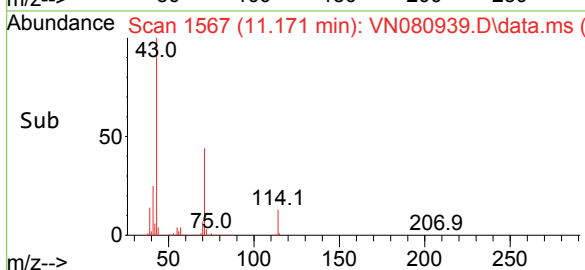
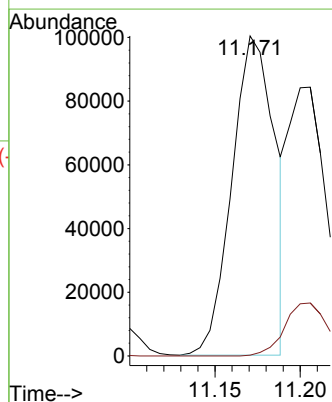
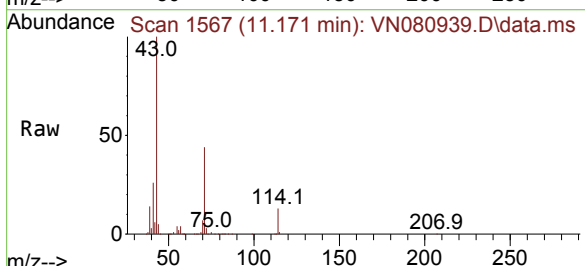
Acq: 07 Feb 2024 16:27

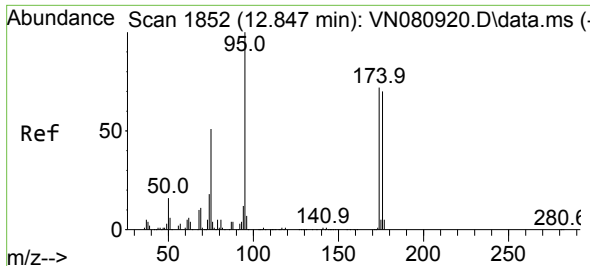
Tgt Ion: 43 Resp: 175362

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

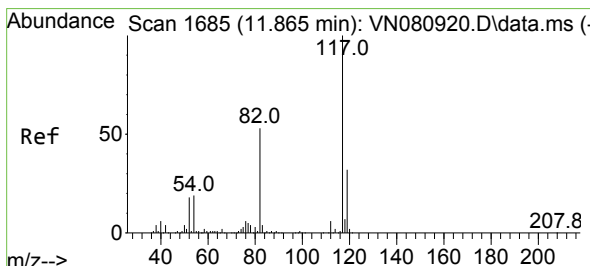
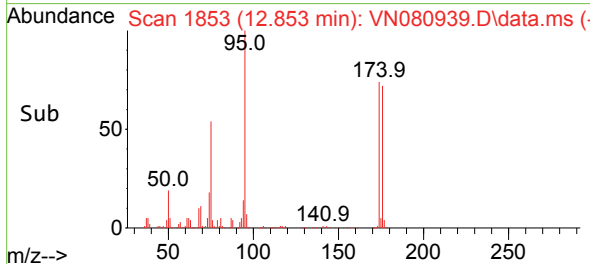
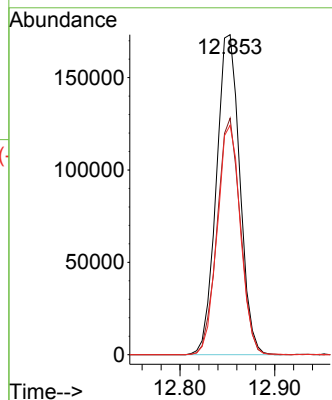
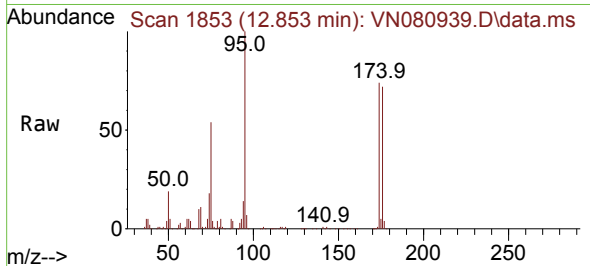




#62
4-Bromofluorobenzene
Concen: 73.832 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

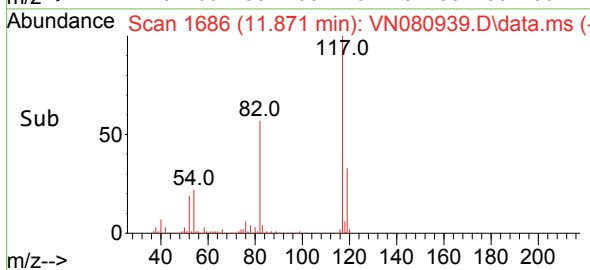
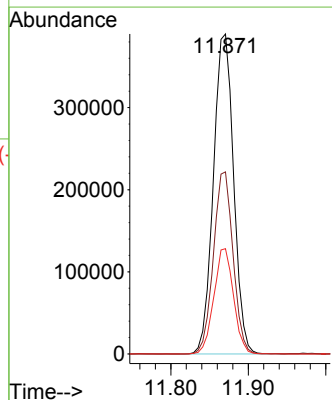
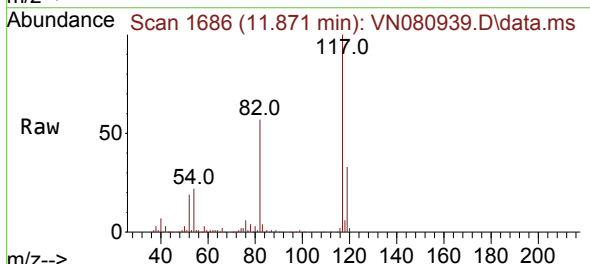
Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#03

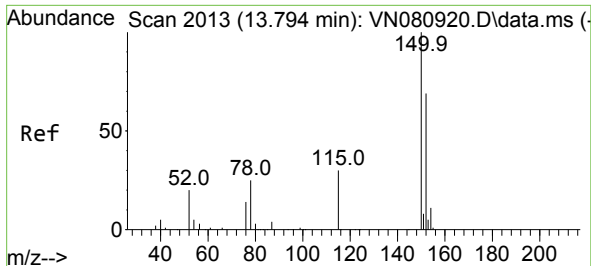
Tgt Ion: 95 Resp: 298303
Ion Ratio Lower Upper
95 100
174 72.8 0.0 120.4
176 71.0 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

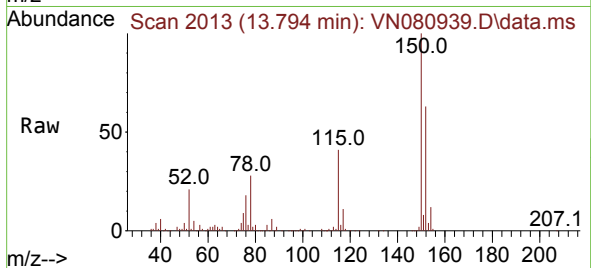
Tgt Ion: 117 Resp: 708369
Ion Ratio Lower Upper
117 100
82 56.9 52.7 79.1
119 32.9 25.3 37.9



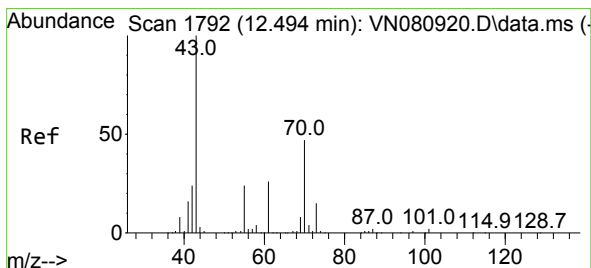
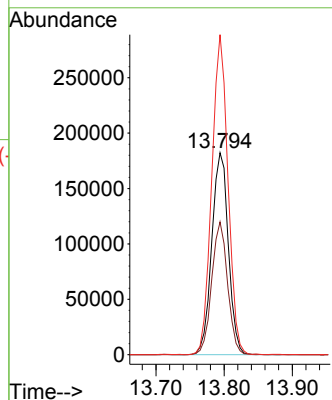
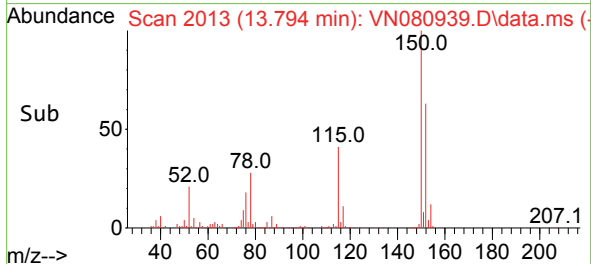


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#03

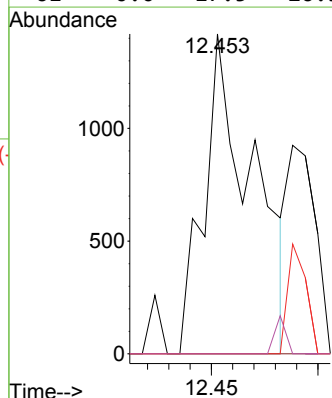
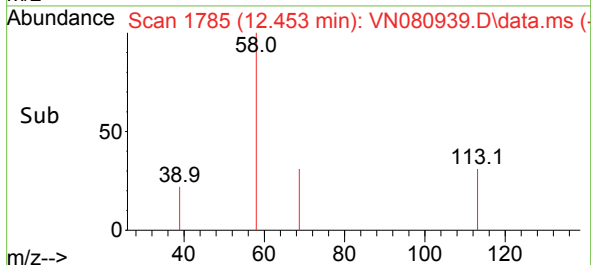
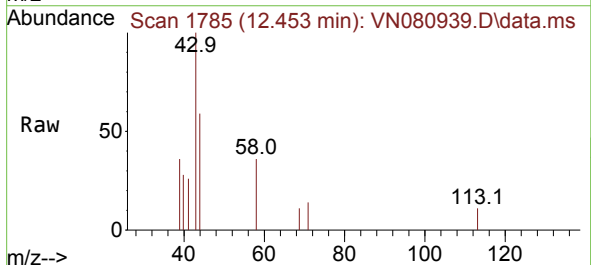


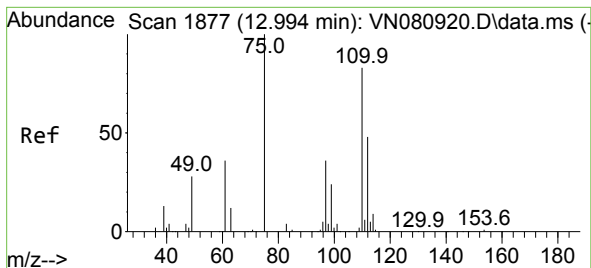
Tgt Ion:152 Resp: 308432
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 154.8 0.0 339.8



#74
N-ethyl acetate
Concen: 0.259 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.041 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Tgt Ion: 43 Resp: 2238
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 0.0 17.0 25.4#
61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 25.823 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080939.D

Acq: 07 Feb 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

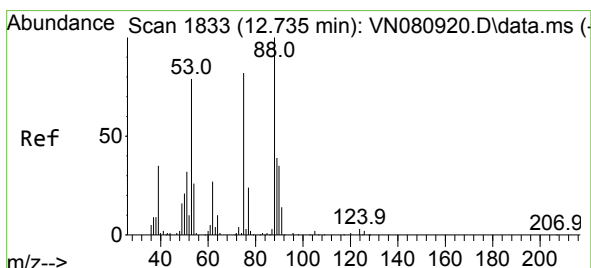
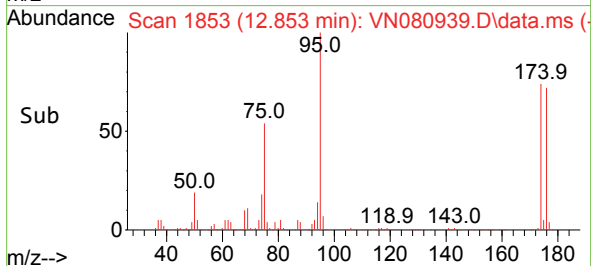
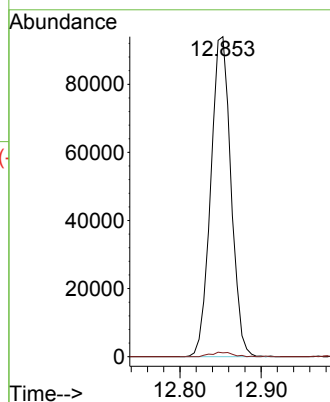
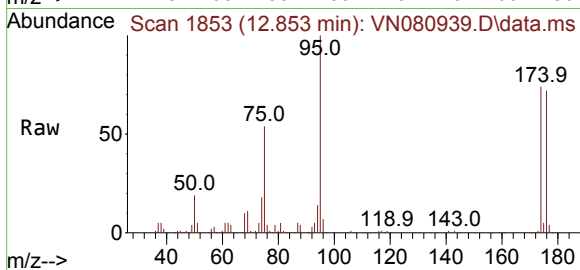
PB158850ZHE#03

Tgt Ion: 75 Resp: 162397

Ion Ratio Lower Upper

75 100

77 1.5 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.159 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080939.D

Acq: 07 Feb 2024 16:27

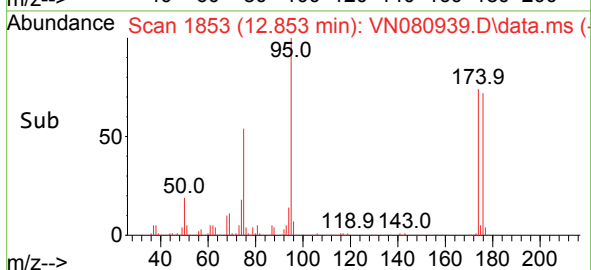
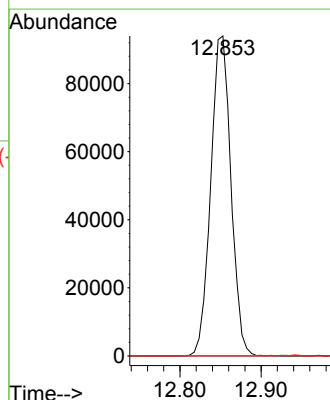
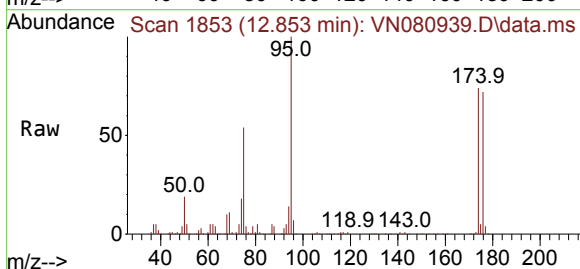
Tgt Ion: 75 Resp: 162397

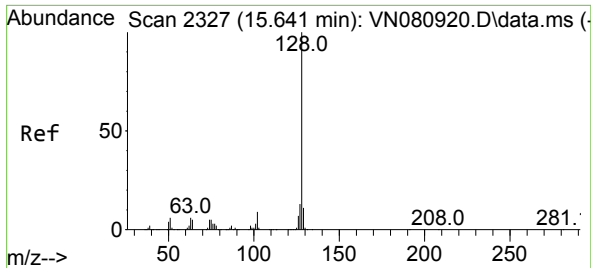
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#





#95
Naphthalene
Concen: 0.322 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080939.D
Acq: 07 Feb 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :
PB158850ZHE#03

Tgt Ion:128 Resp: 5428
Ion Ratio Lower Upper
128 100
127 14.9 10.0 15.0
129 6.6 8.7 13.1#

