

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081623.D
 Acq On : 29 Mar 2024 18:17
 Operator : JC\MD
 Sample : PB159859ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#01

Quant Time: Mar 30 00:33:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

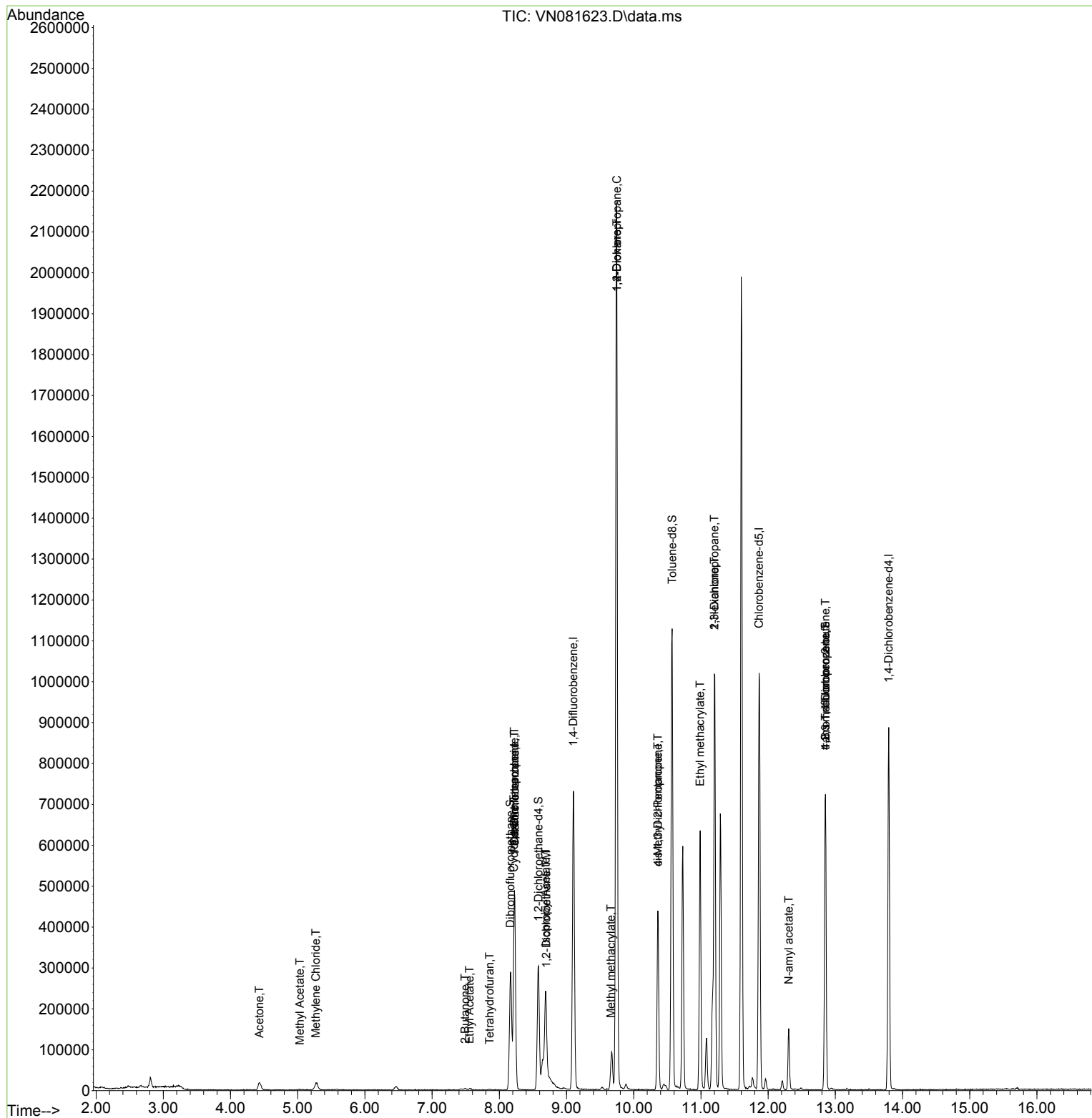
Internal Standards						
1) Pentafluorobenzene	8.230	168	341653	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	651863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	619632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	239708	55.017	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.040%			
35) Dibromofluoromethane	8.165	113	204436	49.694	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.380%			
50) Toluene-d8	10.571	98	806715	54.246	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.500%			
62) 4-Bromofluorobenzene	12.853	95	252694	48.223	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 96.440%			
Target Compounds						Qvalue
16) Acetone	4.430	43	34540	24.530	ug/l	99
18) Methyl Acetate	5.030	43	2694	0.621	ug/l	# 77
20) Methylene Chloride	5.271	84	14484	3.140	ug/l	# 84
25) 2-Butanone	7.489	43	6205	2.569	ug/l	95
29) Tetrahydrofuran	7.853	42	1294	0.795	ug/l	# 86
31) Cyclohexane	8.218	56	8987	1.268	ug/l	# 30
36) 1,1-Dichloropropene	8.224	75	29341	4.238	ug/l	# 50
37) Ethyl Acetate	7.559	43	5857	0.988	ug/l	98
38) Carbon Tetrachloride	8.224	117	38349	5.056	ug/l	# 20
42) 1,2-Dichloroethane	8.700	62	1715	0.241	ug/l	# 75
43) Isopropyl Acetate	8.689	43	362173	36.855	ug/l	# 82
45) 1,2-Dichloropropane	9.747	63	3023	0.616	ug/l	# 42
48) Methyl methacrylate	9.659	41	5943	1.311	ug/l	# 49
49) 1,4-Dioxane	9.747	88	223	2.047	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.359	43	151807	25.317	ug/l	# 51
54) cis-1,3-Dichloropropene	10.359	75	82786	9.818	ug/l	# 62
56) Ethyl methacrylate	10.988	69	3451	1.062	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	11255	1.326	ug/l	# 43
59) 2-Hexanone	11.200	43	125726	28.359	ug/l	# 60
74) N-amyl acetate	12.306	43	39989	5.612	ug/l	# 59
76) 1,2,3-Trichloropropane	12.853	75	132656	24.008	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	132656	64.877	ug/l	# 14

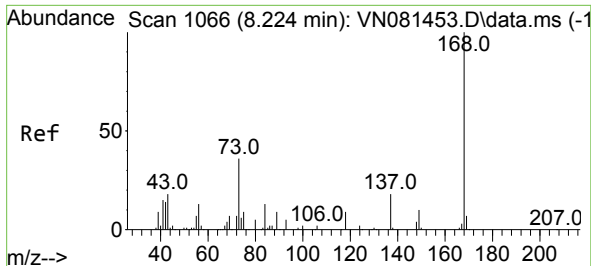
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

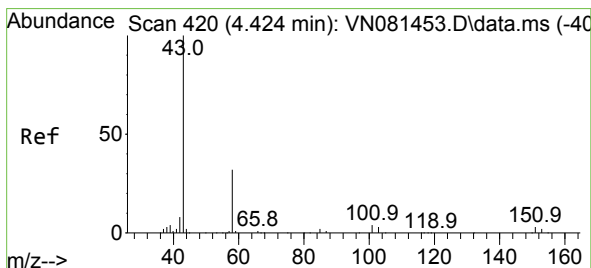
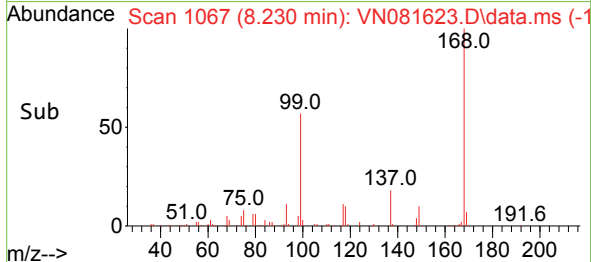
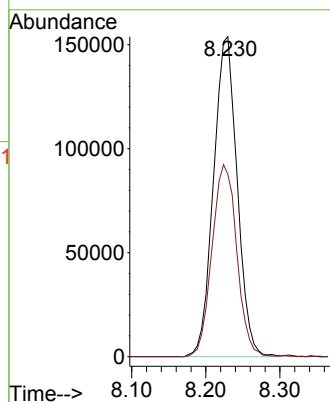
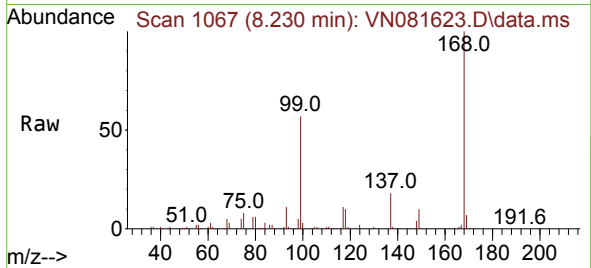




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

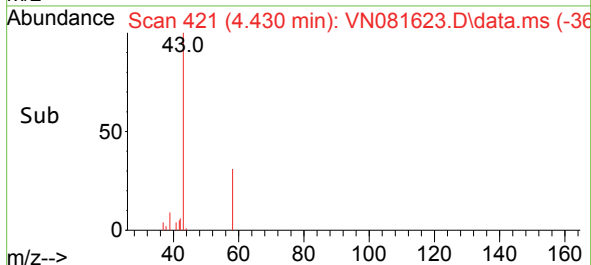
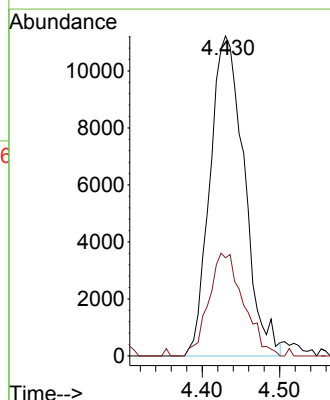
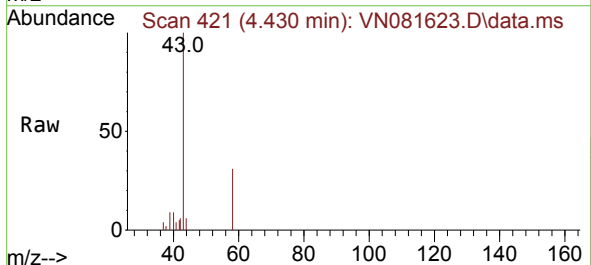
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#01

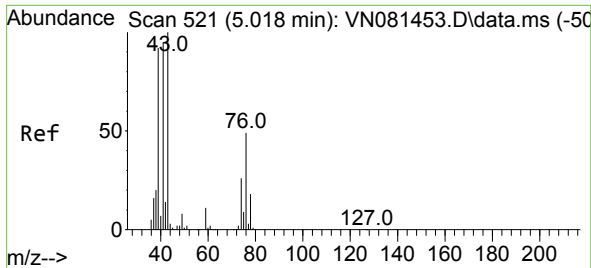
Tgt Ion:168 Resp: 341653
Ion Ratio Lower Upper
168 100
99 56.9 59.9 89.9#



#16
Acetone
Concen: 24.530 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Tgt Ion: 43 Resp: 34540
Ion Ratio Lower Upper
43 100
58 30.7 24.8 37.2

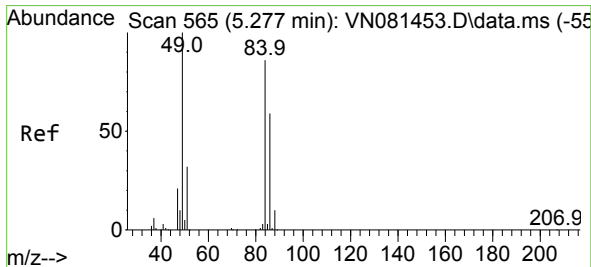
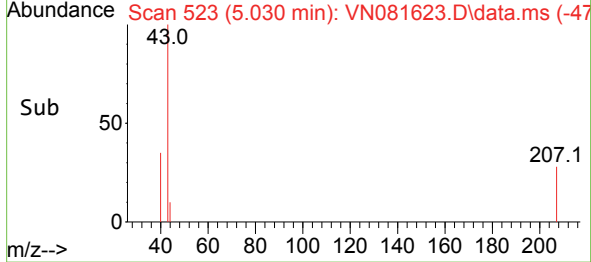
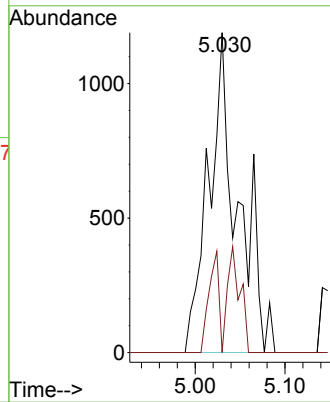
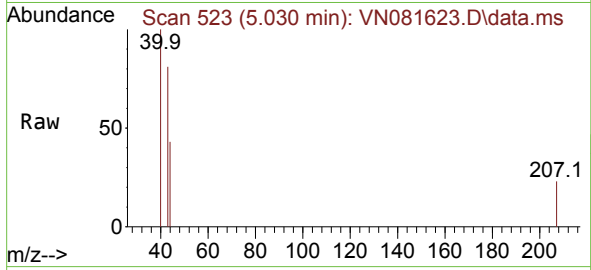




#18
Methyl Acetate
Concen: 0.621 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

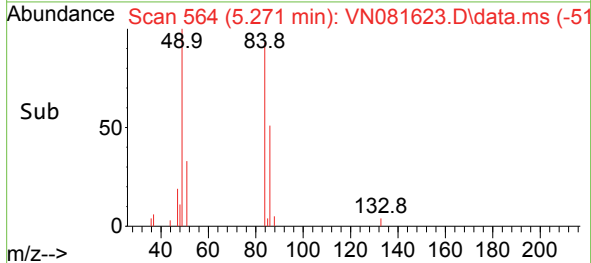
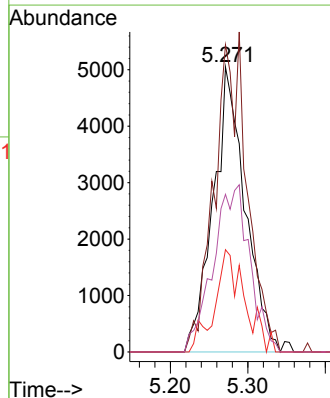
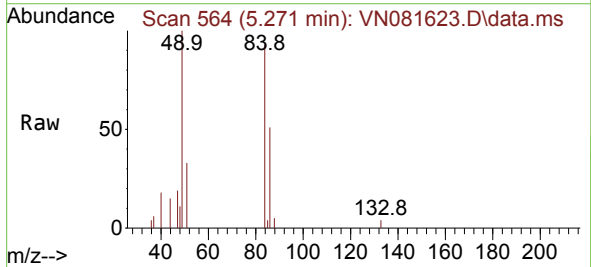
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#01

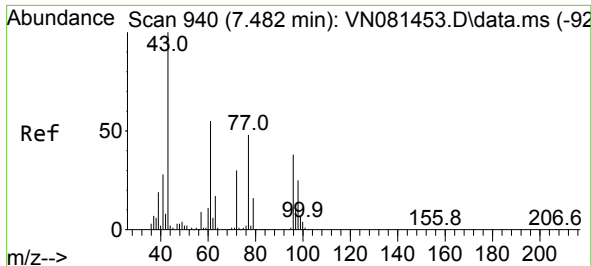
Tgt Ion: 43 Resp: 2694
Ion Ratio Lower Upper
43 100
74 10.8 17.3 25.9#



#20
Methylene Chloride
Concen: 3.140 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Tgt Ion: 84 Resp: 14484
Ion Ratio Lower Upper
84 100
49 107.8 108.1 162.1#
51 35.9 32.9 49.3
86 55.3 48.6 73.0

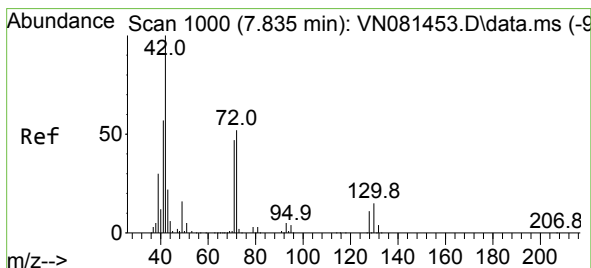
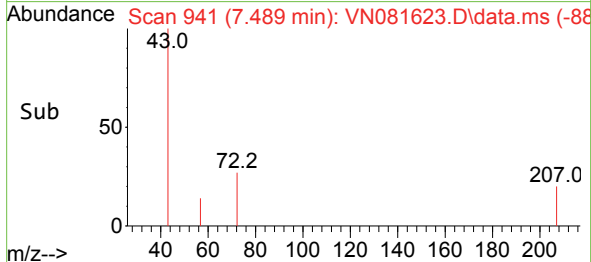
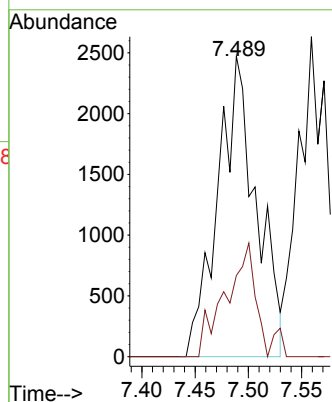
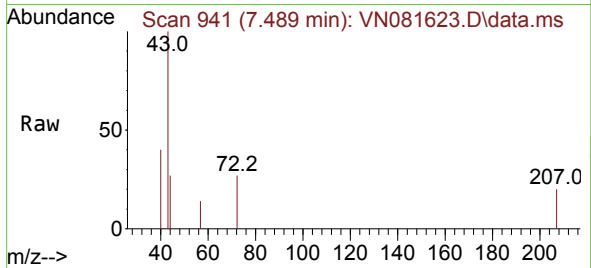




#25
2-Butanone
Concen: 2.569 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

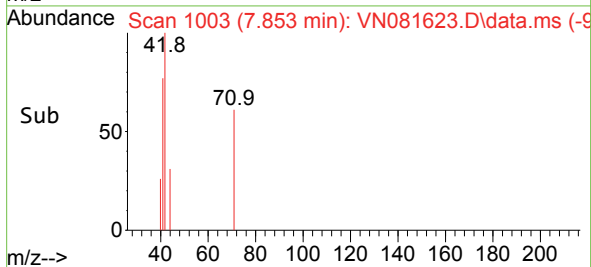
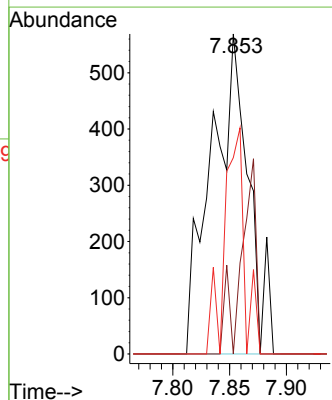
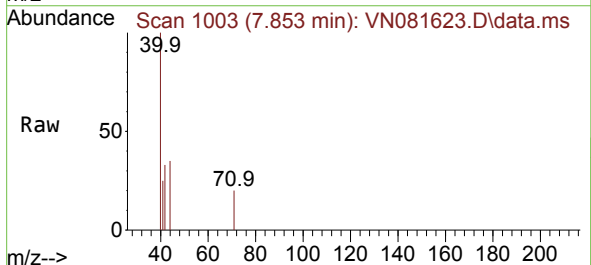
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#01

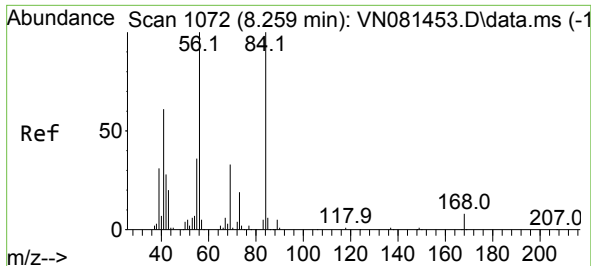
Tgt Ion: 43 Resp: 6205
Ion Ratio Lower Upper
43 100
72 27.0 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.795 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Tgt Ion: 42 Resp: 1294
Ion Ratio Lower Upper
42 100
72 24.8 31.1 46.7#
71 37.6 28.3 42.5

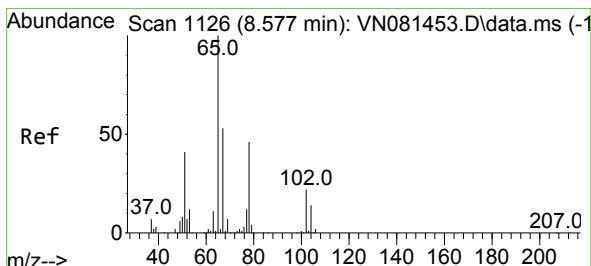
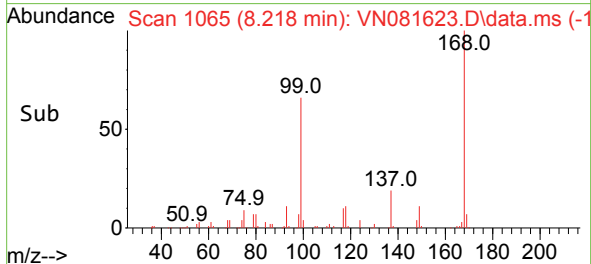
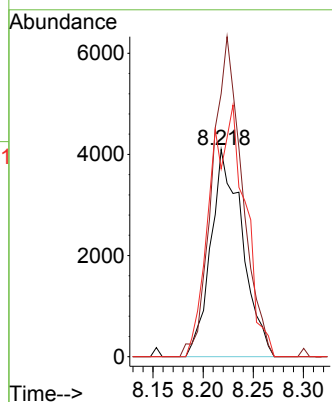
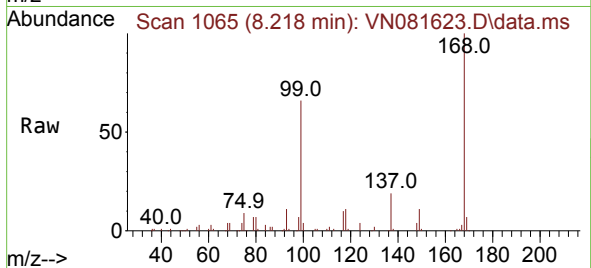




#31
Cyclohexane
Concen: 1.268 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

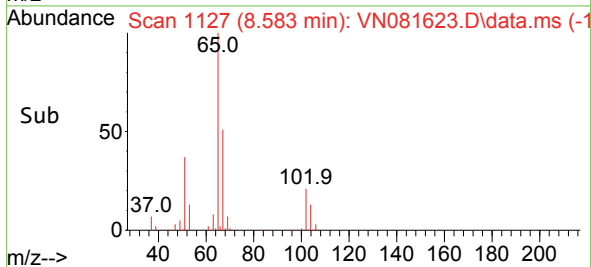
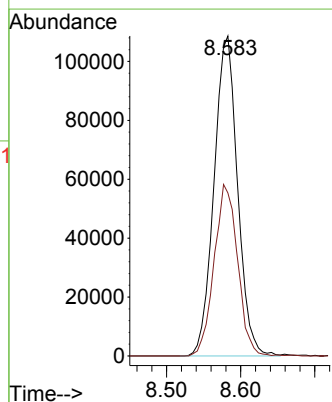
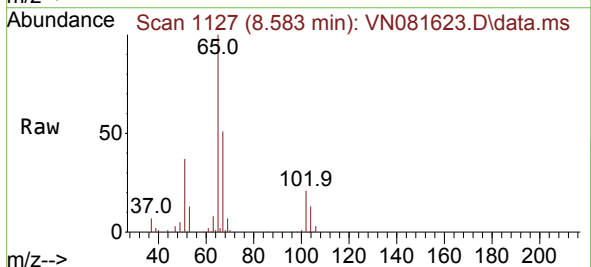
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#01

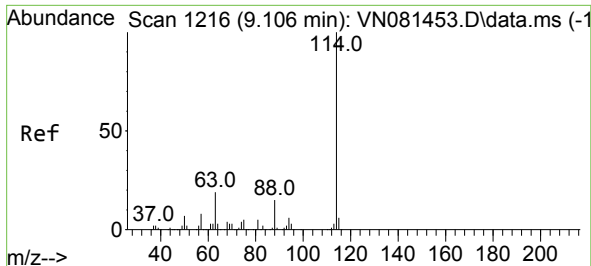
Tgt Ion: 56 Resp: 8987
Ion Ratio Lower Upper
56 100
69 126.9 20.1 30.1#
84 90.7 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 55.017 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Tgt Ion: 65 Resp: 239708
Ion Ratio Lower Upper
65 100
67 53.5 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081623.D

Acq: 29 Mar 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#01

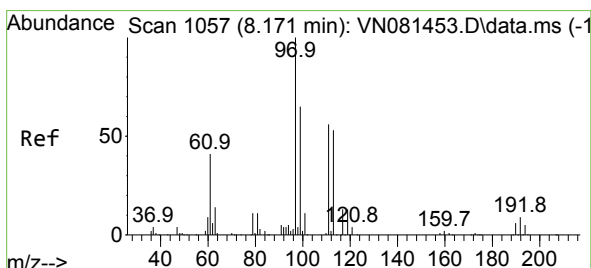
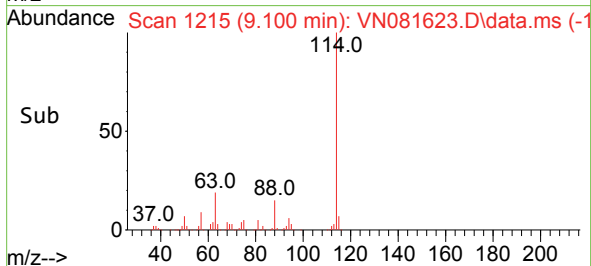
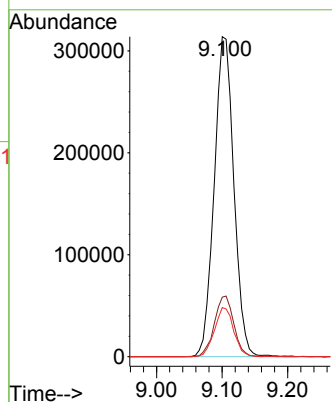
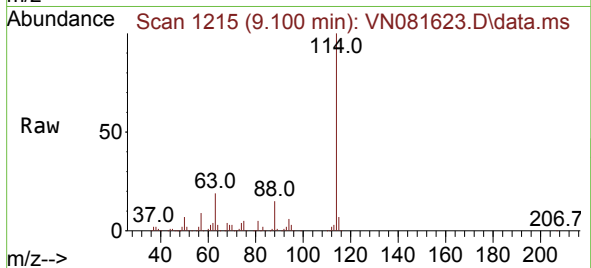
Tgt Ion:114 Resp: 651863

Ion Ratio Lower Upper

114 100

63 18.6 0.0 48.0

88 15.3 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.694 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081623.D

Acq: 29 Mar 2024 18:17

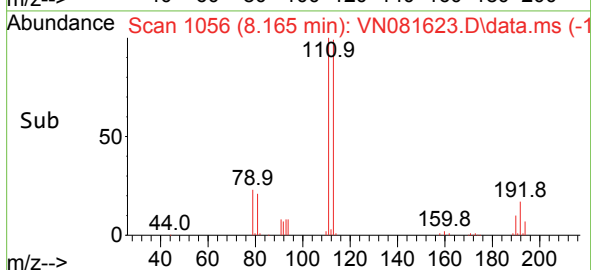
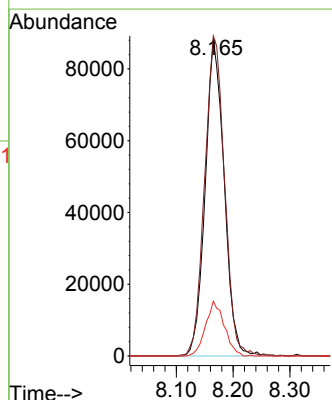
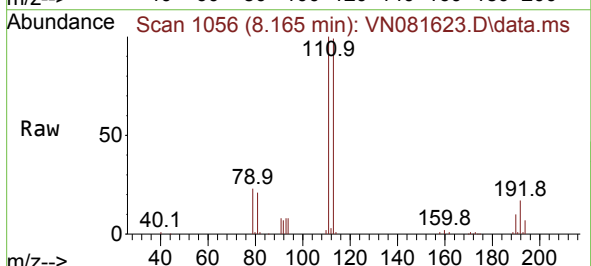
Tgt Ion:113 Resp: 204436

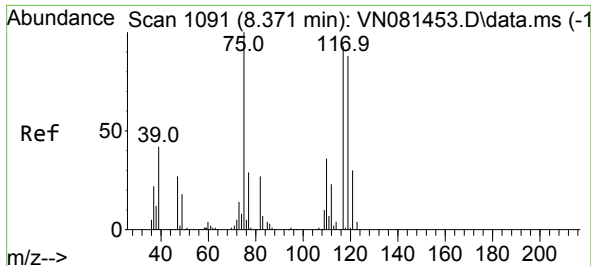
Ion Ratio Lower Upper

113 100

111 105.9 82.2 123.4

192 17.1 12.5 18.7

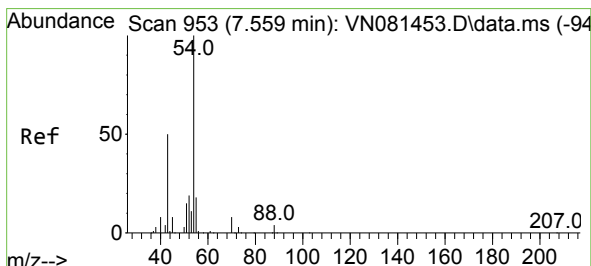
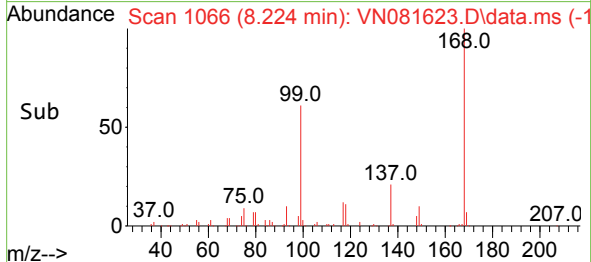
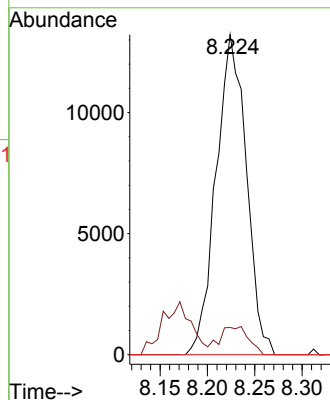
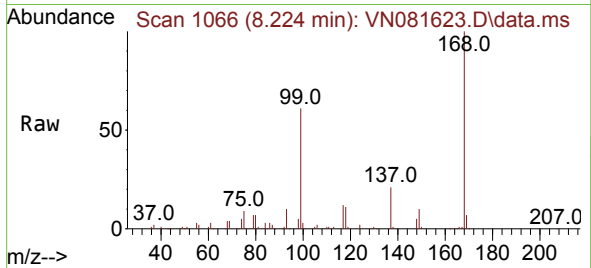




#36
1,1-Dichloropropene
Concen: 4.238 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

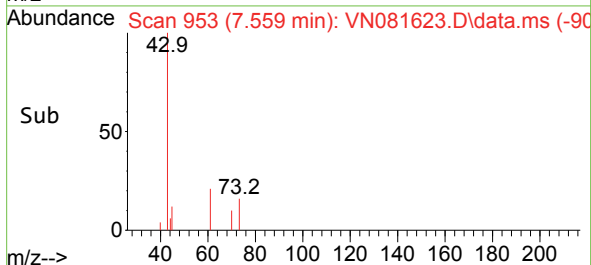
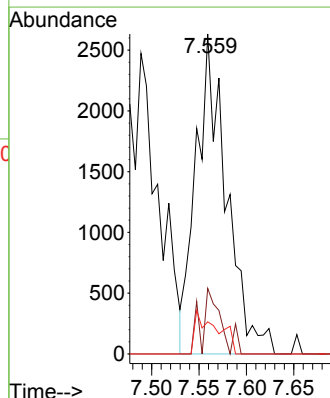
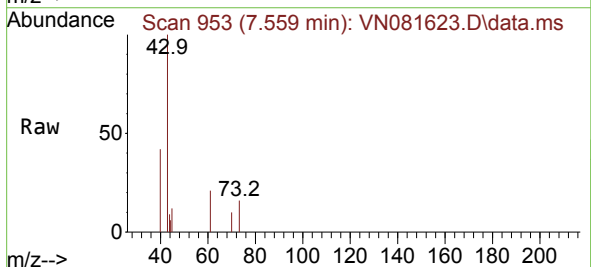
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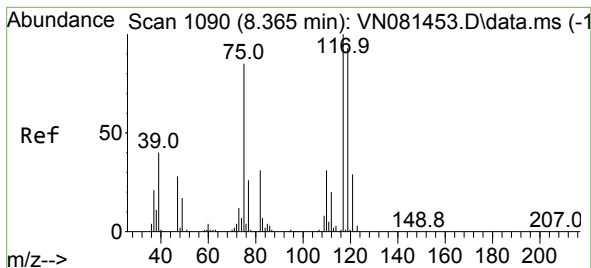
Tgt Ion: 75 Resp: 29341
Ion Ratio Lower Upper
75 100
110 8.4 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.988 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Tgt Ion: 43 Resp: 5857
Ion Ratio Lower Upper
43 100
61 11.5 10.6 15.8
70 10.1 8.0 12.0





#38

Carbon Tetrachloride

Concen: 5.056 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081623.D

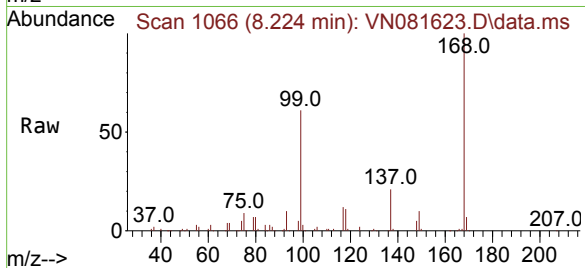
Acq: 29 Mar 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#01



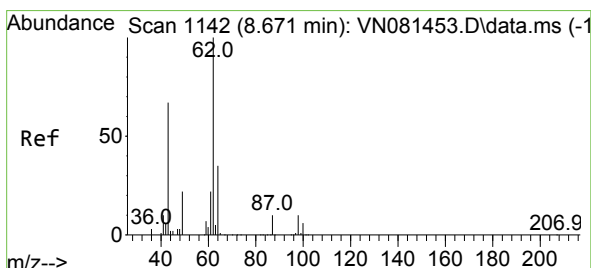
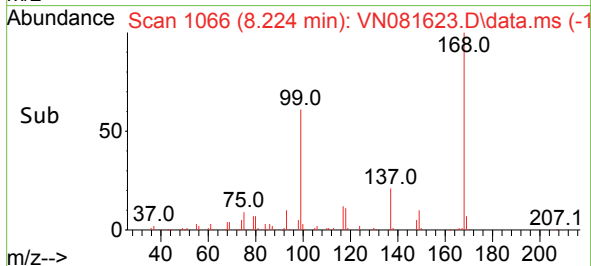
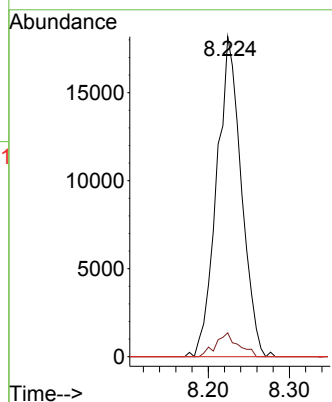
Tgt Ion:117 Resp: 38349

Ion Ratio Lower Upper

117 100

119 7.5 73.4 110.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.241 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.030 min

Lab File: VN081623.D

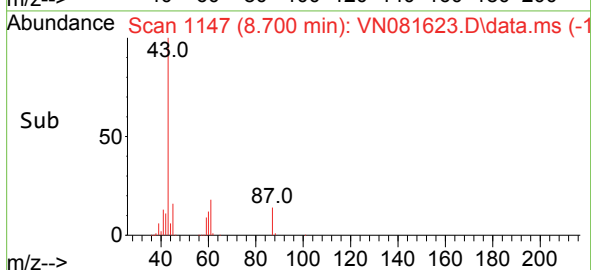
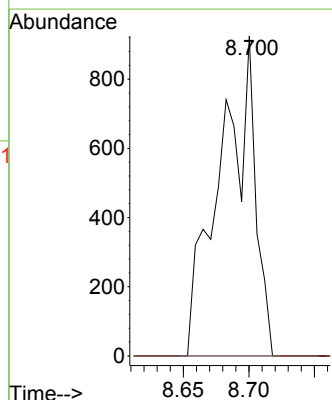
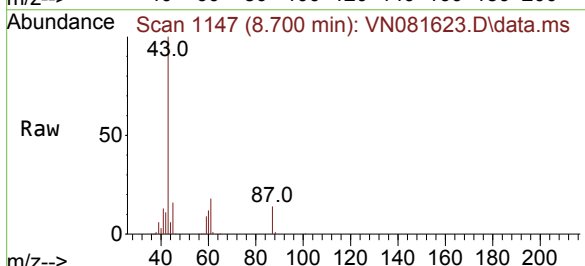
Acq: 29 Mar 2024 18:17

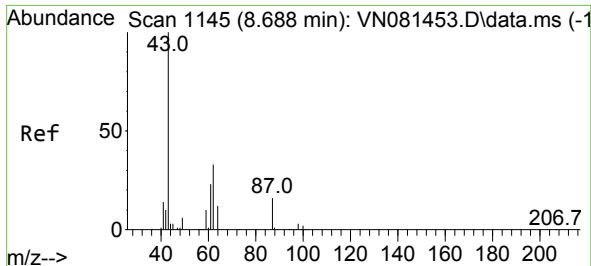
Tgt Ion: 62 Resp: 1715

Ion Ratio Lower Upper

62 100

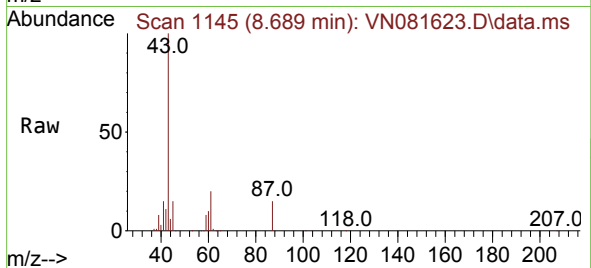
98 0.0 0.0 18.0



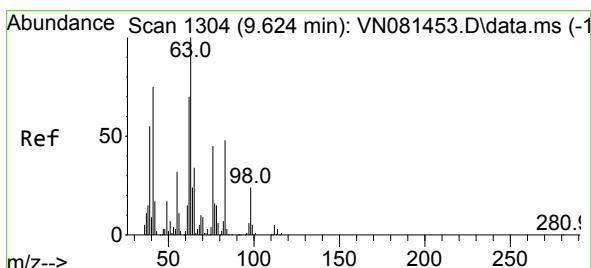
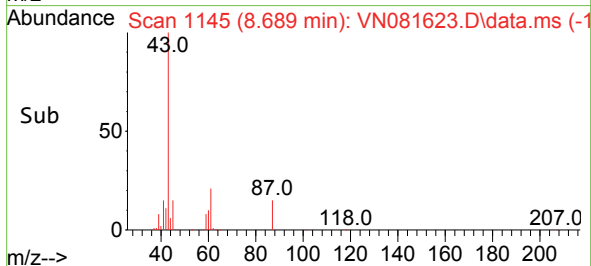
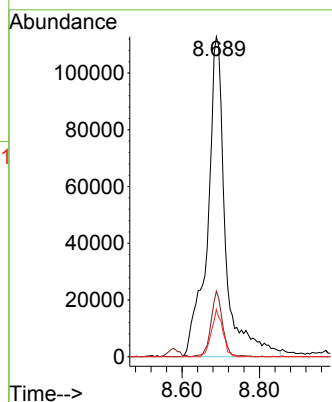


#43
Isopropyl Acetate
Concen: 36.855 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#01

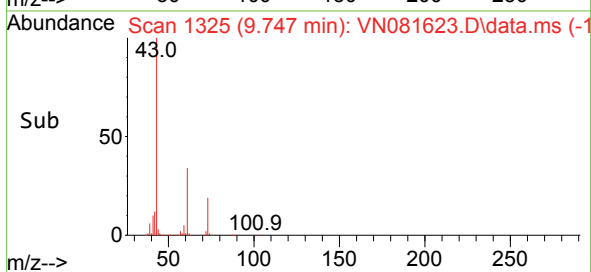
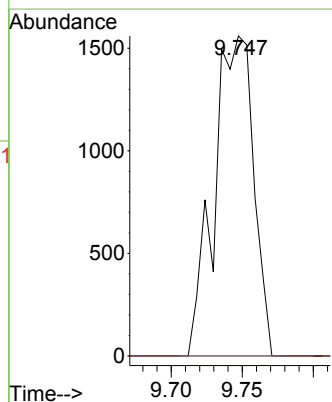
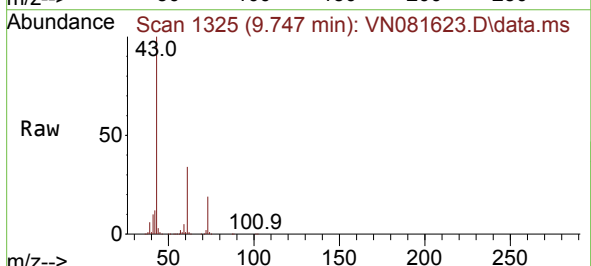


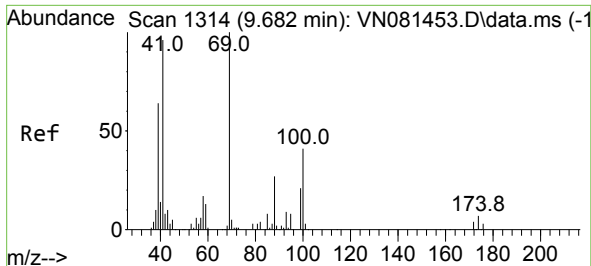
Tgt Ion: 43 Resp: 362173
Ion Ratio Lower Upper
43 100
61 13.1 19.9 29.9#
87 9.2 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.616 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Tgt Ion: 63 Resp: 3023
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

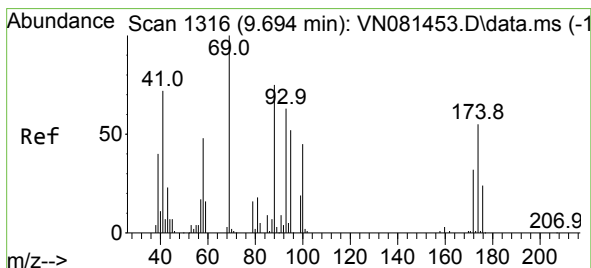
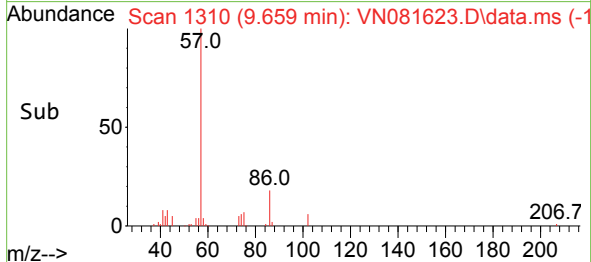
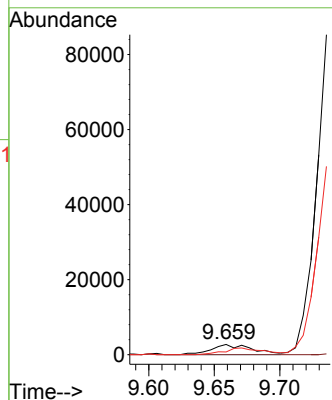
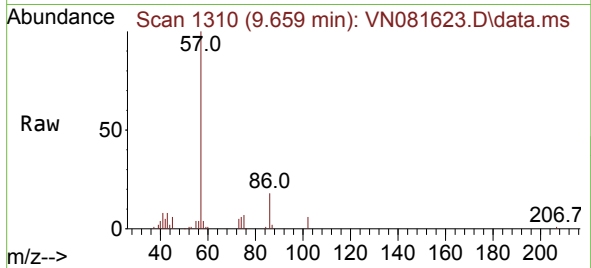




#48
Methyl methacrylate
Concen: 1.311 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

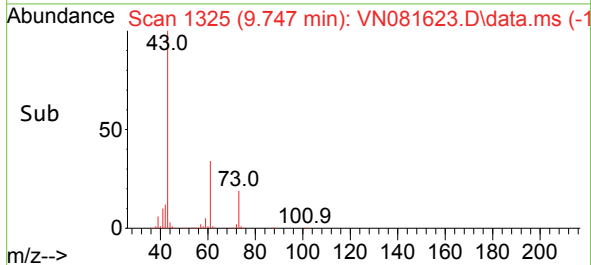
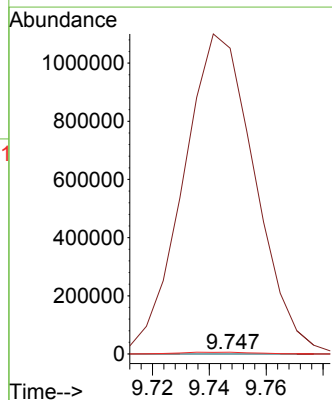
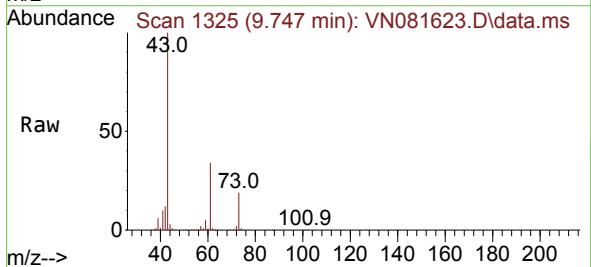
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#01

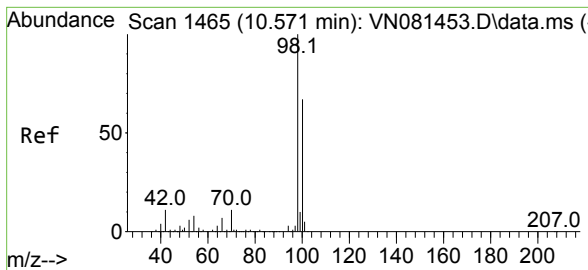
Tgt Ion: 41 Resp: 5943
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 60.7 47.6 71.4



#49
1,4-Dioxane
Concen: 2.047 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Tgt Ion: 88 Resp: 223
Ion Ratio Lower Upper
88 100
43 872705.8 30.1 45.1#
58 4963.7 63.9 95.9#

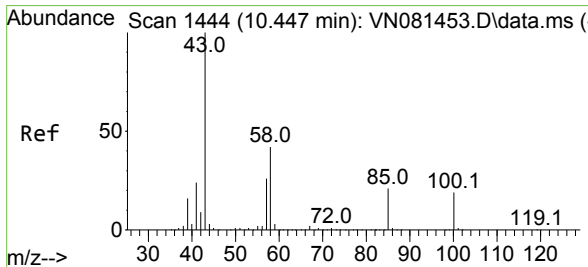
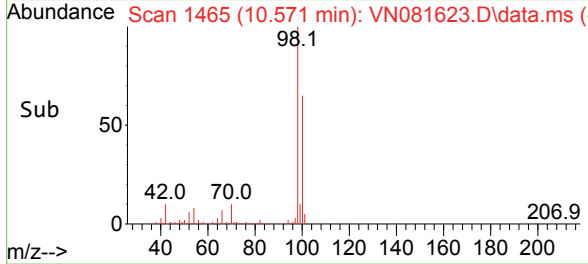
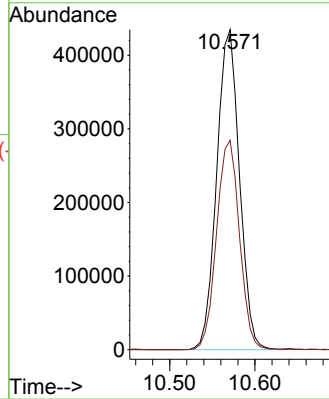
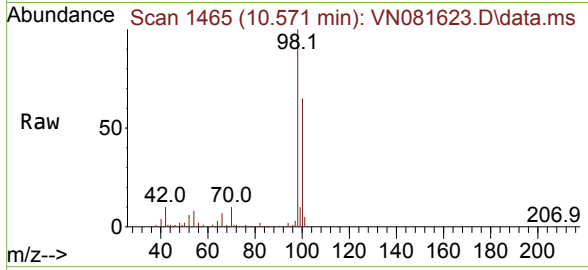




#50
Toluene-d8
Concen: 54.246 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

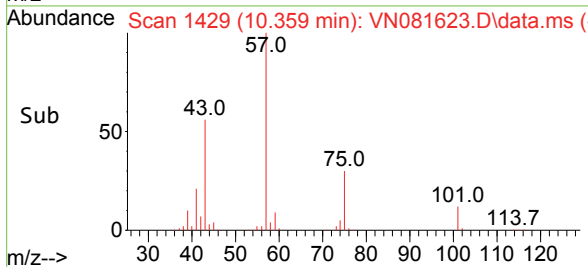
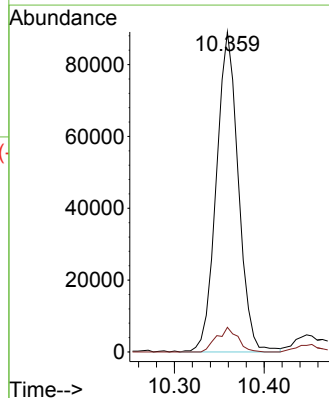
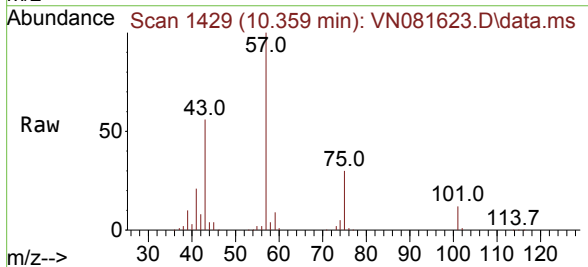
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#01

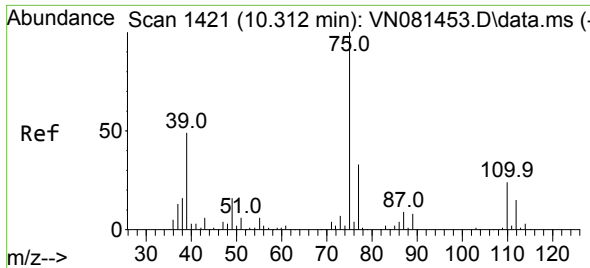
Tgt Ion: 98 Resp: 806715
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 25.317 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Tgt Ion: 43 Resp: 151807
Ion Ratio Lower Upper
43 100
58 7.3 29.4 44.0#

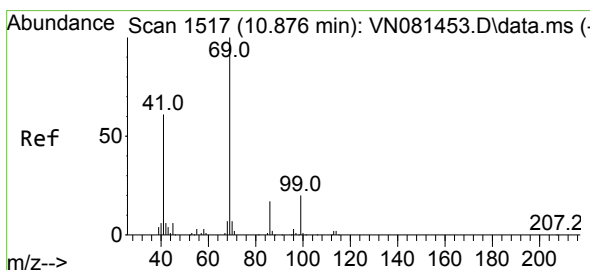
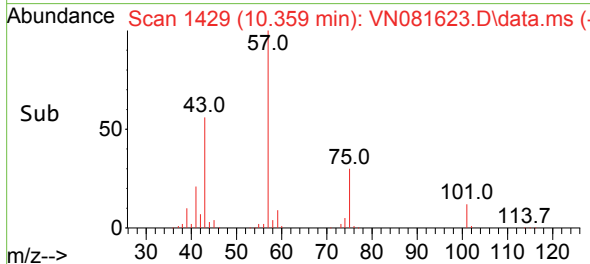
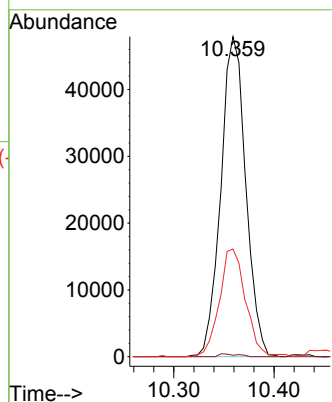
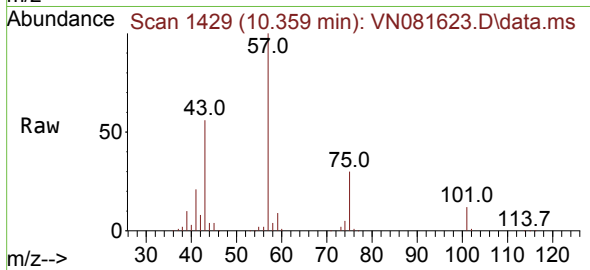




#54
cis-1,3-Dichloropropene
Concen: 9.818 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

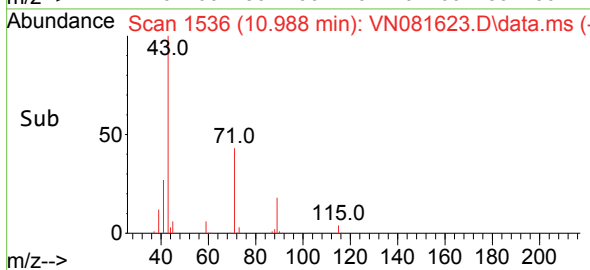
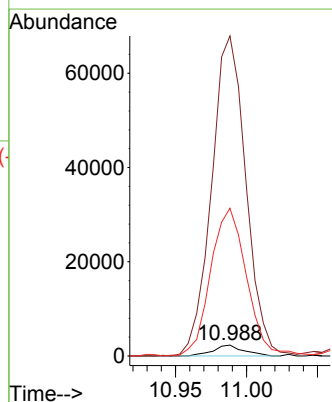
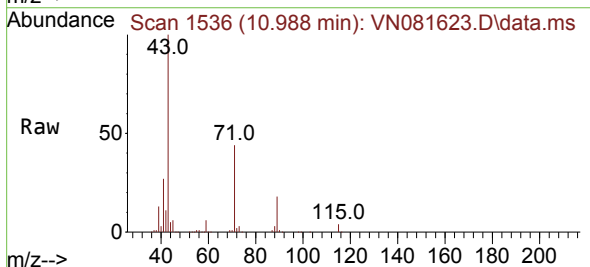
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#01

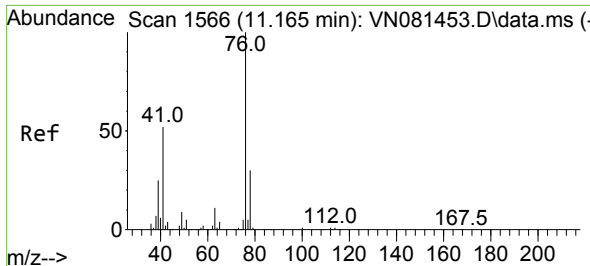
Tgt Ion: 75 Resp: 82786
Ion Ratio Lower Upper
75 100
77 0.5 23.3 34.9#
39 33.7 44.6 66.8#



#56
Ethyl methacrylate
Concen: 1.062 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Tgt Ion: 69 Resp: 3451
Ion Ratio Lower Upper
69 100
41 3310.4 61.0 91.6#
39 1604.8 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.326 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.036 min

Lab File: VN081623.D

Acq: 29 Mar 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

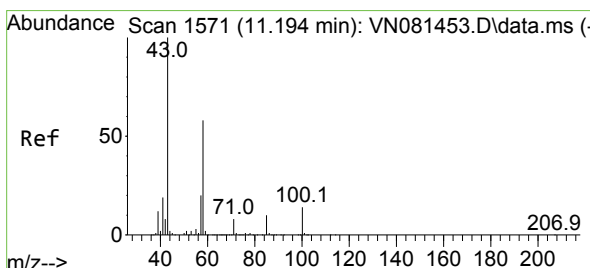
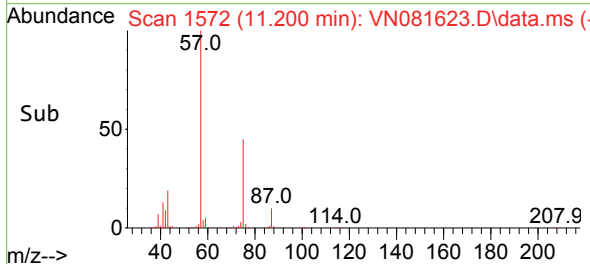
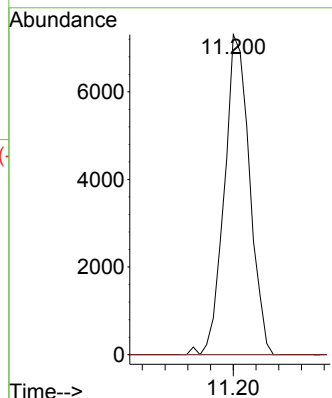
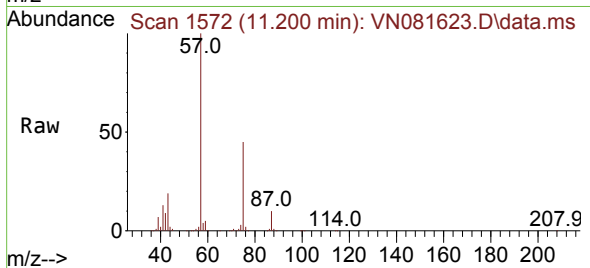
PB159859ZHE#01

Tgt Ion: 76 Resp: 11255

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 28.359 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN081623.D

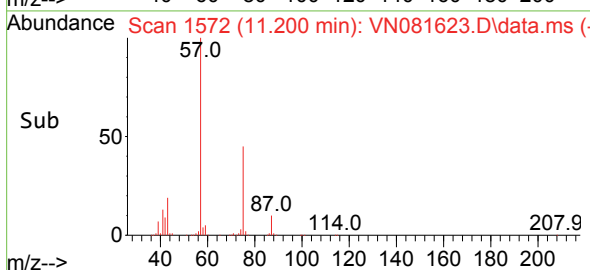
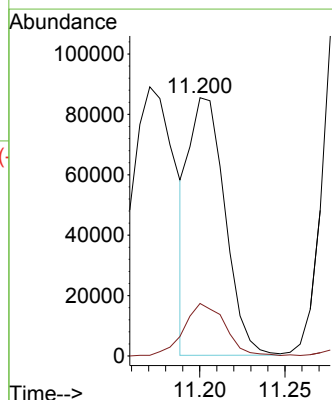
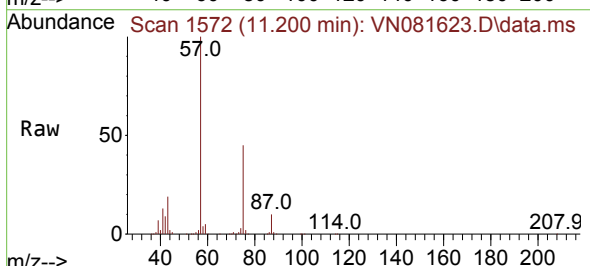
Acq: 29 Mar 2024 18:17

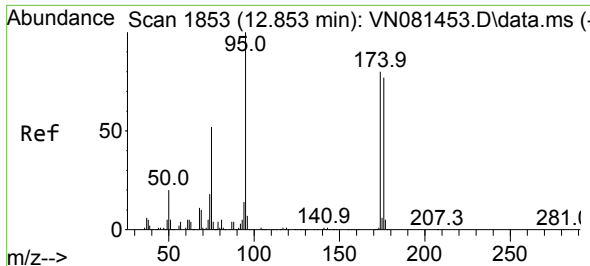
Tgt Ion: 43 Resp: 125726

Ion Ratio Lower Upper

43 100

58 23.6 25.9 77.8#

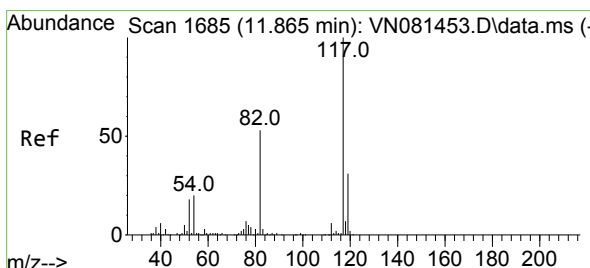
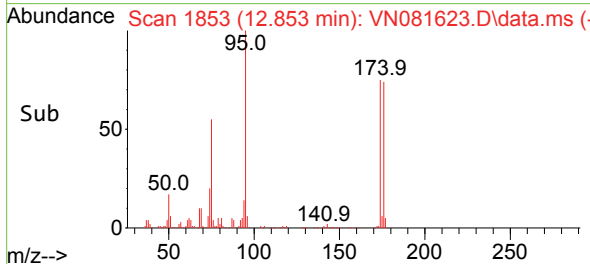
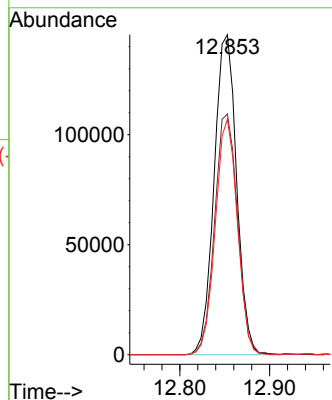
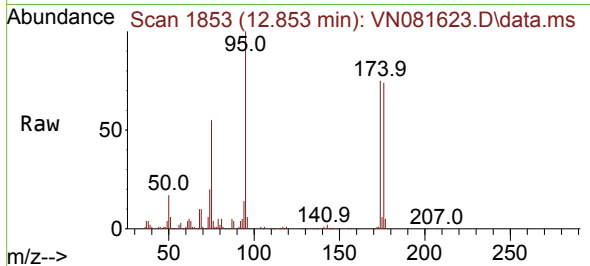




#62
4-Bromofluorobenzene
Concen: 48.223 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

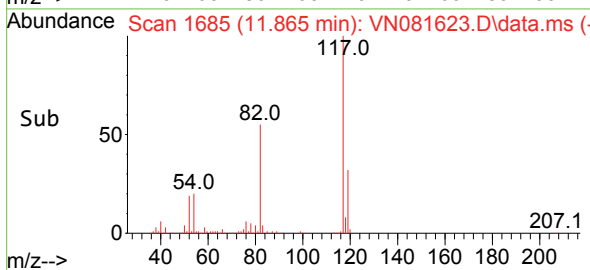
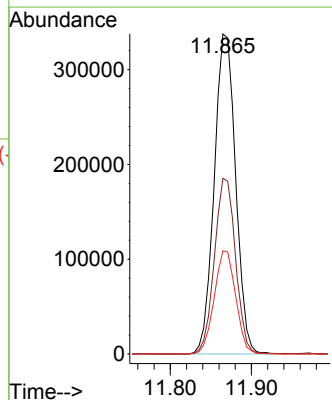
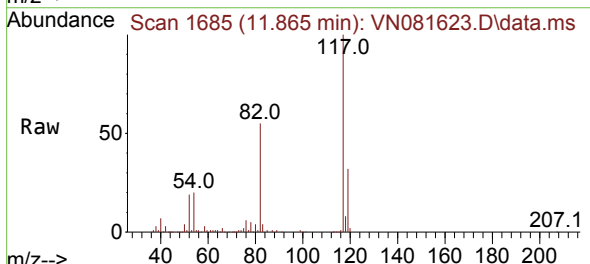
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#01

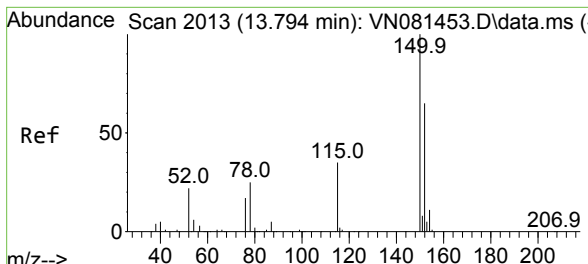
Tgt Ion: 95 Resp: 252694
Ion Ratio Lower Upper
95 100
174 76.9 0.0 120.4
176 72.1 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Tgt Ion: 117 Resp: 619632
Ion Ratio Lower Upper
117 100
82 54.9 52.7 79.1
119 32.3 25.3 37.9



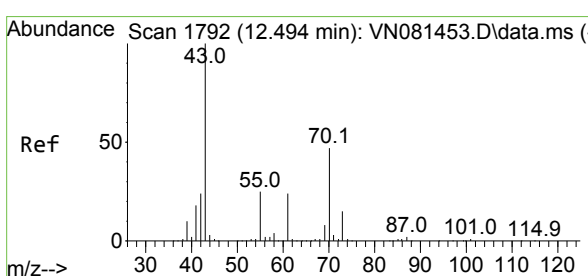
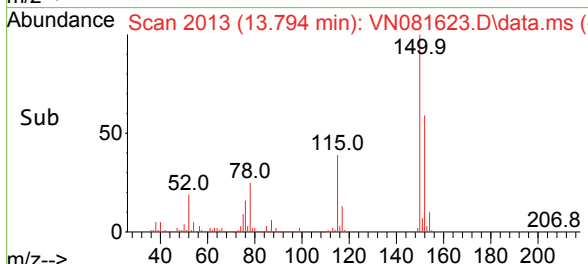
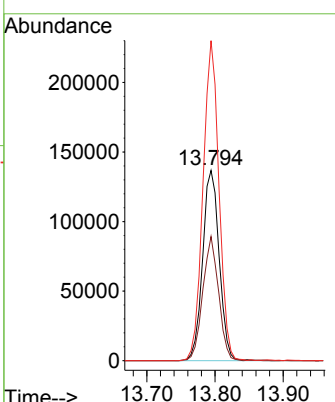
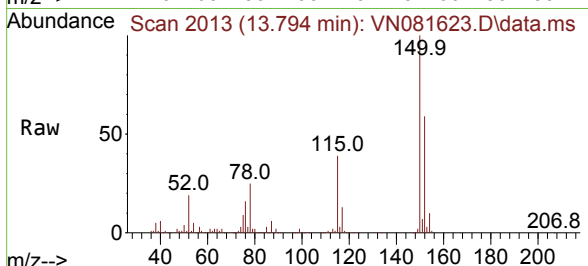


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN081623.D
 Acq: 29 Mar 2024 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#01

Tgt Ion:152 Resp: 230996

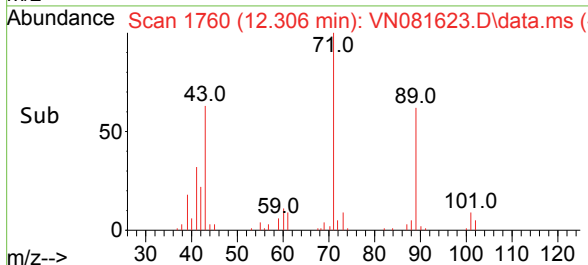
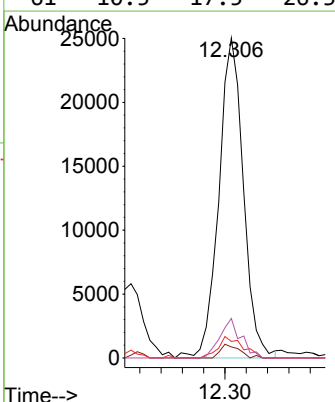
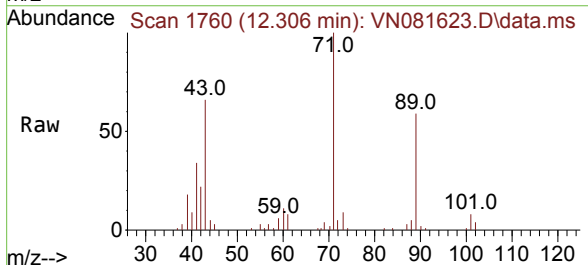
Ion	Ratio	Lower	Upper
152	100		
115	62.2	32.3	96.8
150	162.1	0.0	339.8

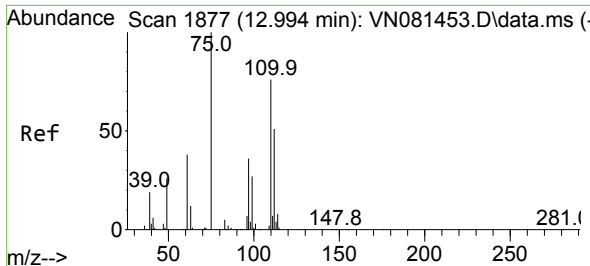


#74
 N-amy1 acetate
 Concen: 5.612 ug/l
 RT: 12.306 min Scan# 1760
 Delta R.T. -0.188 min
 Lab File: VN081623.D
 Acq: 29 Mar 2024 18:17

Tgt Ion: 43 Resp: 39989

Ion	Ratio	Lower	Upper
43	100		
70	3.3	30.1	45.1#
55	6.6	17.0	25.4#
61	10.5	17.5	26.3#

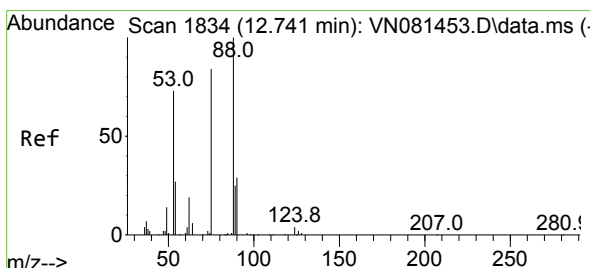
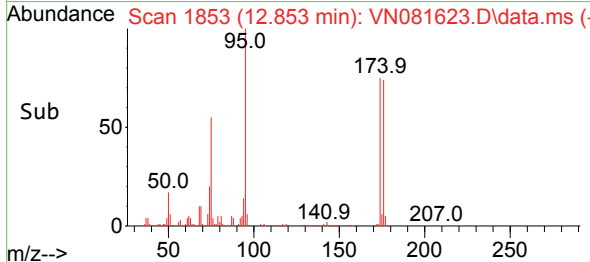
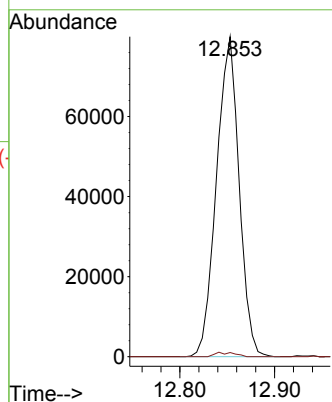
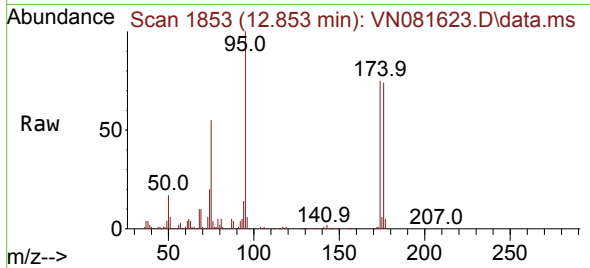




#76
1,2,3-Trichloropropane
Concen: 24.008 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#01

Tgt Ion: 75 Resp: 132656
Ion Ratio Lower Upper
75 100
77 1.2 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.877 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081623.D
Acq: 29 Mar 2024 18:17

Tgt Ion: 75 Resp: 132656
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#

