

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043024\
 Data File : VN081934.D
 Acq On : 30 Apr 2024 16:29
 Operator : JC\MD
 Sample : P2307-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 01 00:55:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

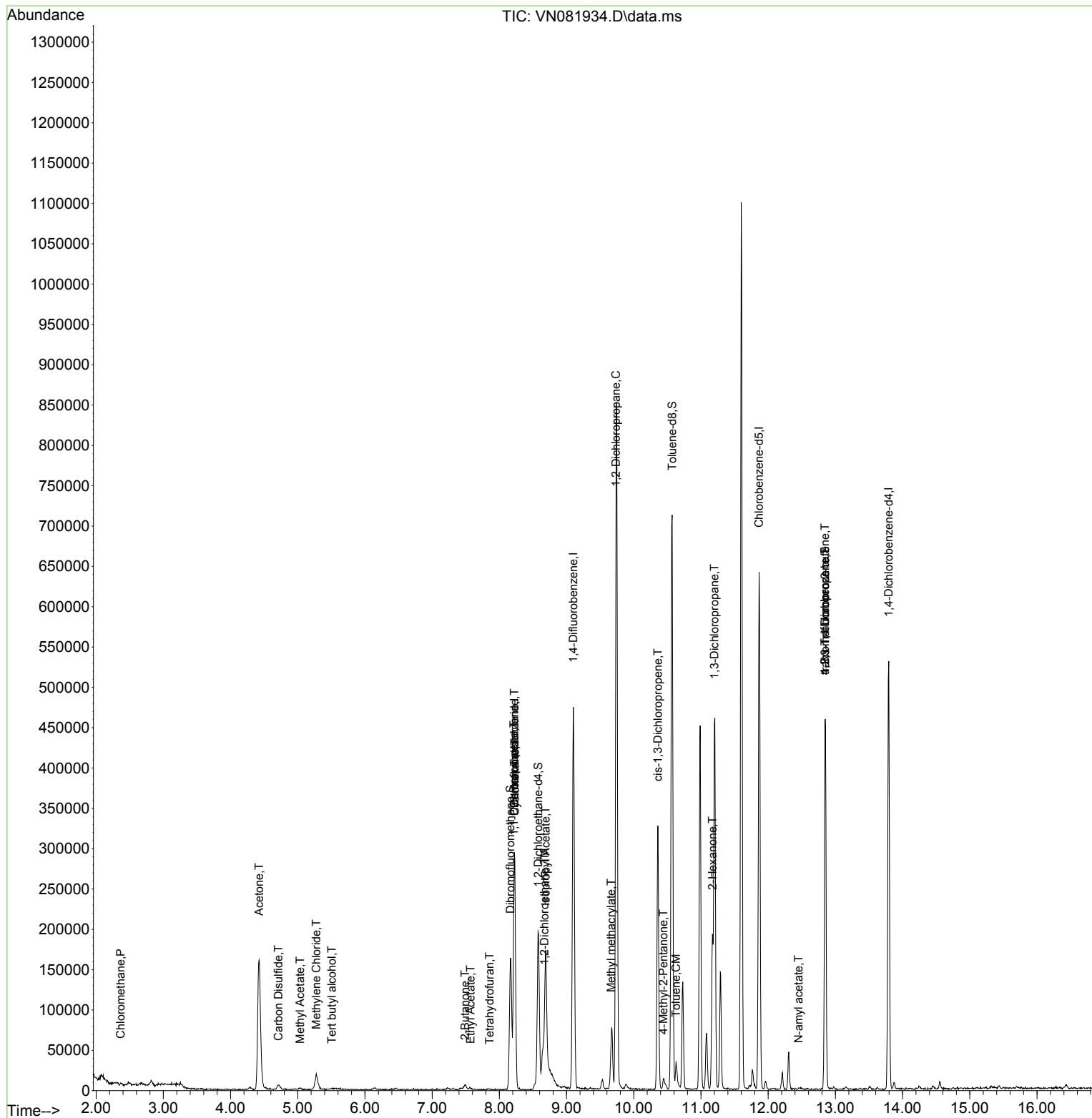
Internal Standards						
1) Pentafluorobenzene	8.224	168	205886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	396986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	347174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	155996	44.893	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.780%
35) Dibromofluoromethane	8.165	113	119306	49.915	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.820%
50) Toluene-d8	10.571	98	486161	51.789	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.580%
62) 4-Bromofluorobenzene	12.847	95	163165	43.970	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	87.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	790	0.262	ug/l	93
5) Bromomethane	2.965	94	339	Below Cal	#	3
11) Tert butyl alcohol	5.506	59	635	1.005	ug/l #	71
13) Acrolein	4.177	56	70	Below Cal	#	1
16) Acetone	4.424	43	304555	297.430	ug/l	97
17) Carbon Disulfide	4.712	76	3654	0.488	ug/l #	74
18) Methyl Acetate	5.036	43	3121	0.887	ug/l #	60
20) Methylene Chloride	5.277	84	12645	4.246	ug/l #	88
25) 2-Butanone	7.488	43	10960	5.557	ug/l #	73
29) Tetrahydrofuran	7.853	42	1001	0.708	ug/l #	47
31) Cyclohexane	8.230	56	6305	1.204	ug/l #	5
36) 1,1-Dichloropropene	8.218	75	18908	4.862	ug/l #	48
37) Ethyl Acetate	7.571	43	2835	0.674	ug/l #	93
38) Carbon Tetrachloride	8.224	117	21978	5.783	ug/l #	16
42) 1,2-Dichloroethane	8.671	62	874	0.202	ug/l #	73
43) Isopropyl Acetate	8.688	43	251728	31.843	ug/l #	73
45) 1,2-Dichloropropane	9.735	63	1214	0.397	ug/l #	45
48) Methyl methacrylate	9.665	41	4837	1.282	ug/l #	39
51) 4-Methyl-2-Pentanone	10.441	43	9218	2.071	ug/l	92
52) Toluene	10.629	92	13236	1.893	ug/l	87
54) cis-1,3-Dichloropropene	10.359	75	61707	12.356	ug/l #	67
57) 1,3-Dichloropropane	11.200	76	4887	1.000	ug/l #	42
59) 2-Hexanone	11.171	43	220035	66.437	ug/l #	23
74) N-amyl acetate	12.453	43	1754	0.267	ug/l #	53
76) 1,2,3-Trichloropropane	12.847	75	89060	25.903	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	89060	53.078	ug/l #	12

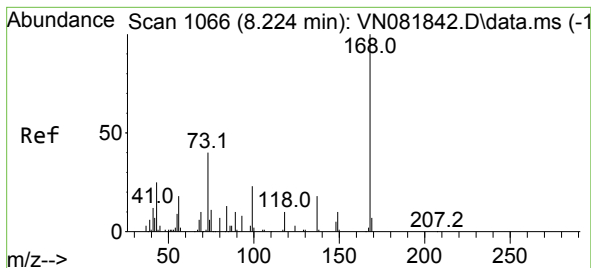
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 26 05:26:49 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN081934.D

Acq: 30 Apr 2024 16:29

Instrument :

MSVOA_N

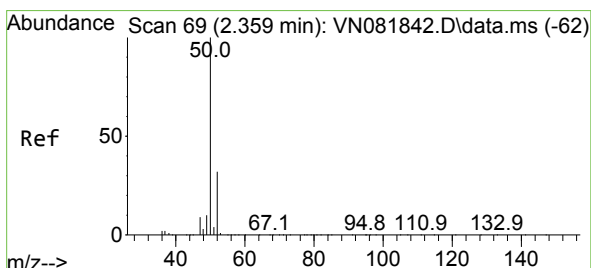
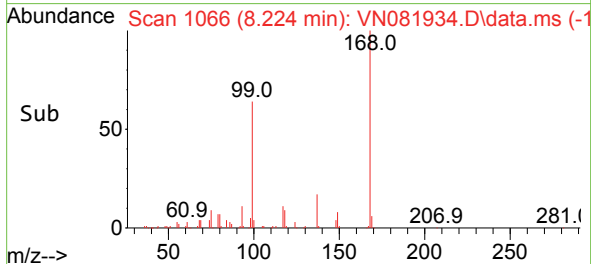
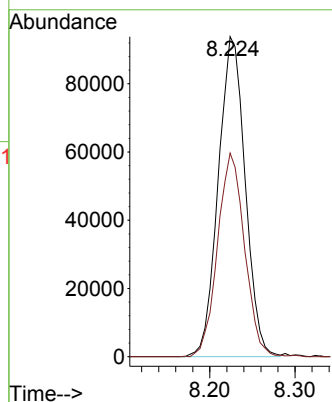
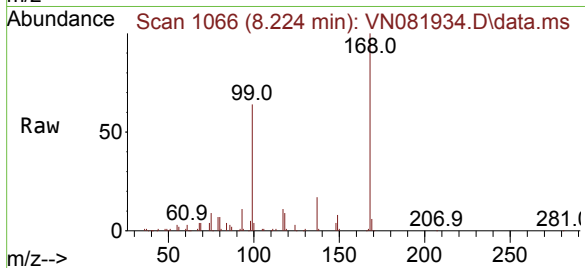
ClientSampleId :

Tgt Ion:168 Resp: 205886

Ion Ratio Lower Upper

168 100

99 63.6 48.2 72.4



#3

Chloromethane

Concen: 0.262 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081934.D

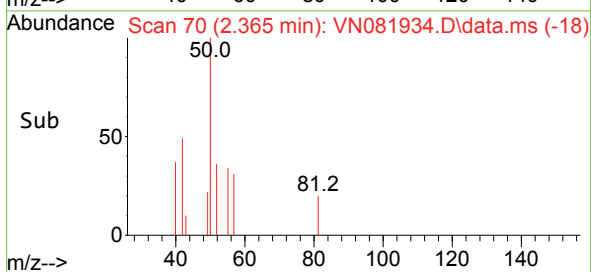
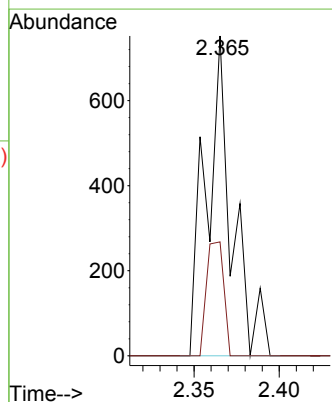
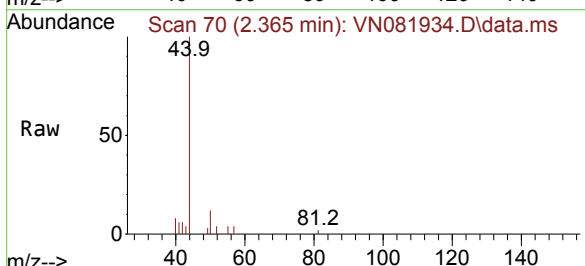
Acq: 30 Apr 2024 16:29

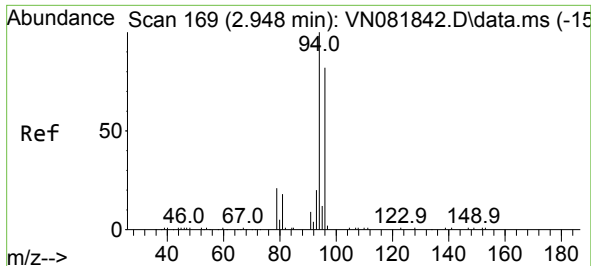
Tgt Ion: 50 Resp: 790

Ion Ratio Lower Upper

50 100

52 35.6 25.5 38.3

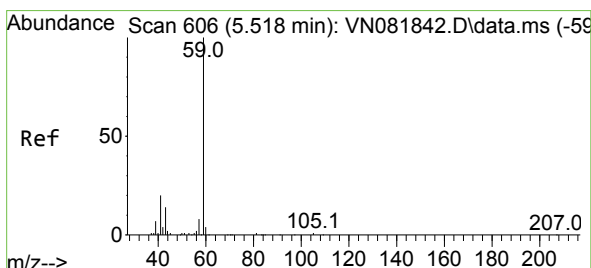
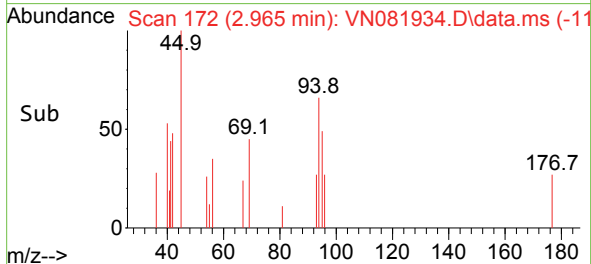
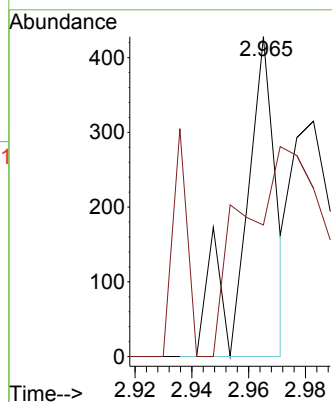
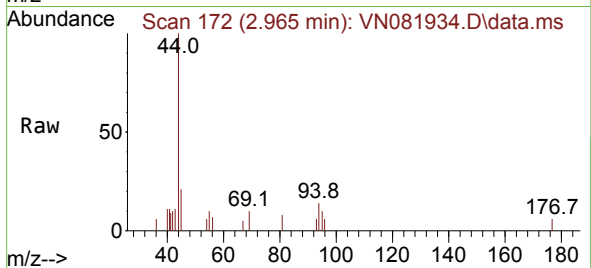




#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

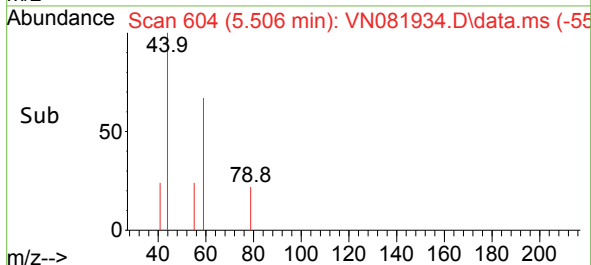
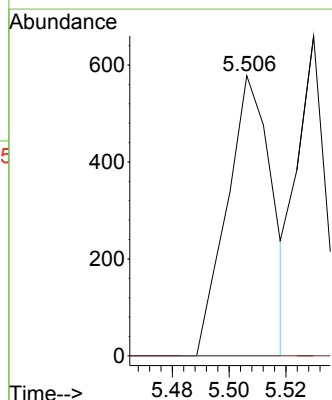
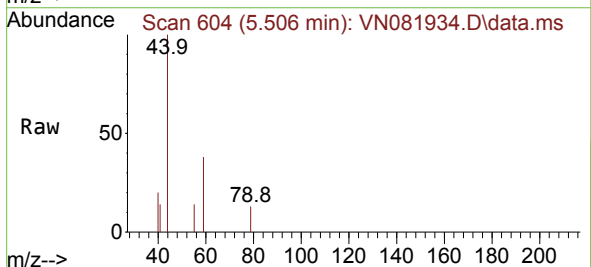
Instrument :
MSVOA_N
ClientSampleId :

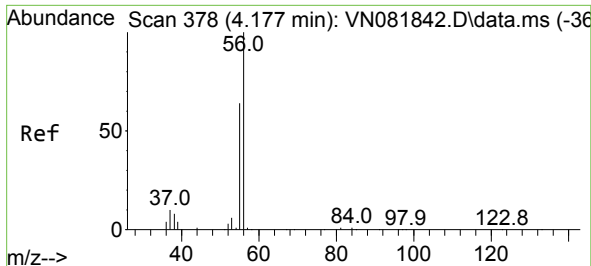
Tgt Ion: 94 Resp: 339
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 1.005 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

Tgt Ion: 59 Resp: 635
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

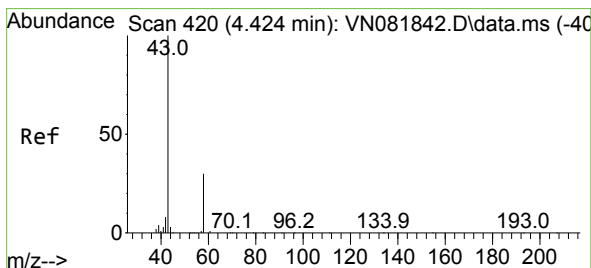
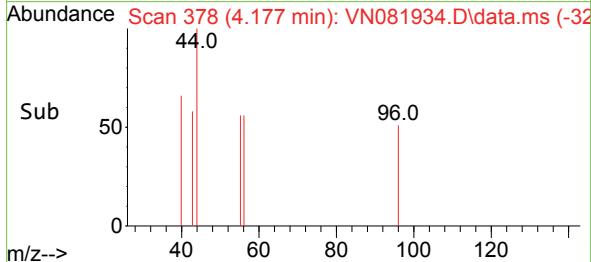
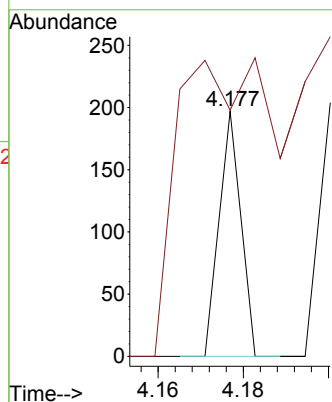
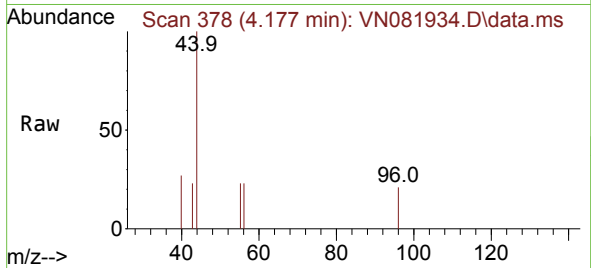




#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

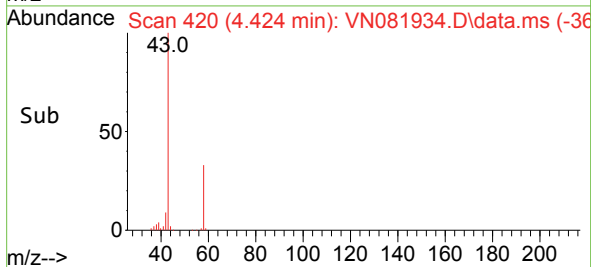
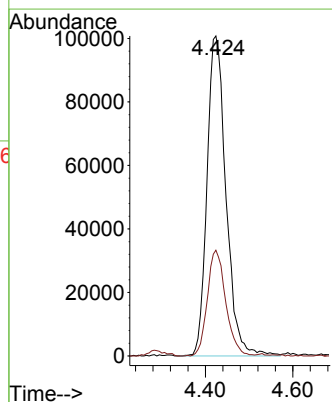
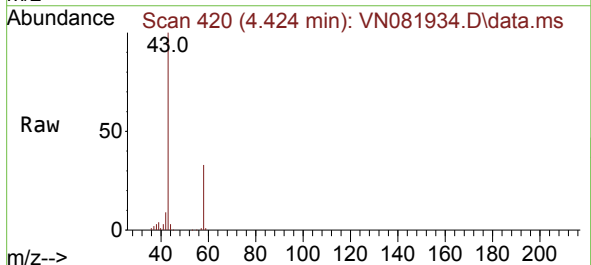
Instrument :
MSVOA_N
ClientSampleId :

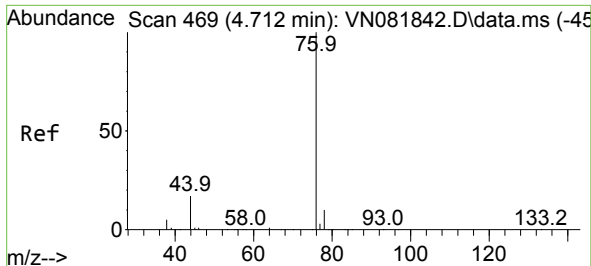
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 530.0 55.8 83.8#



#16
Acetone
Concen: 297.430 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

Tgt Ion: 43 Resp: 304555
Ion Ratio Lower Upper
43 100
58 33.0 25.2 37.8

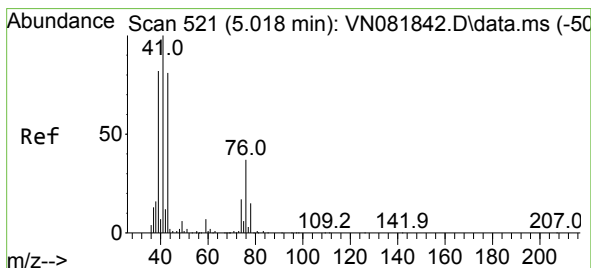
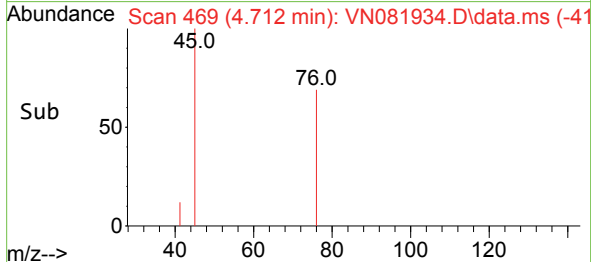
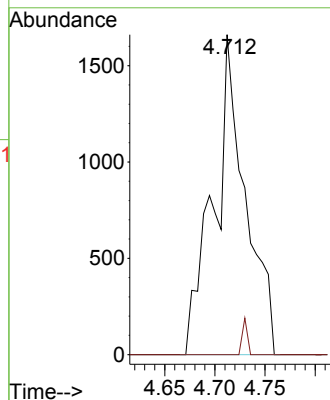
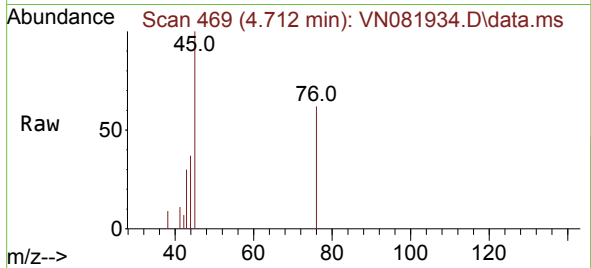




#17
Carbon Disulfide
Concen: 0.488 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

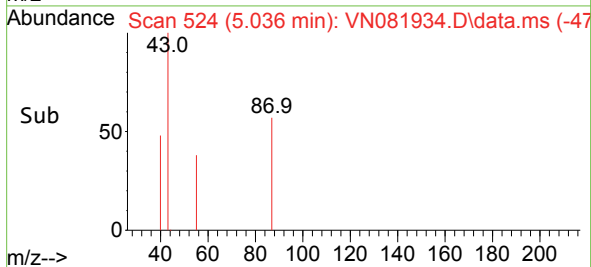
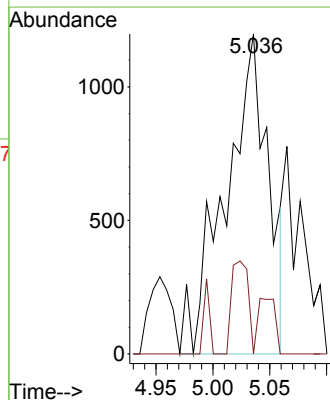
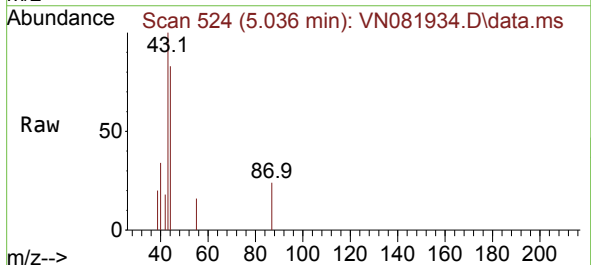
Instrument :
MSVOA_N
ClientSampleId :

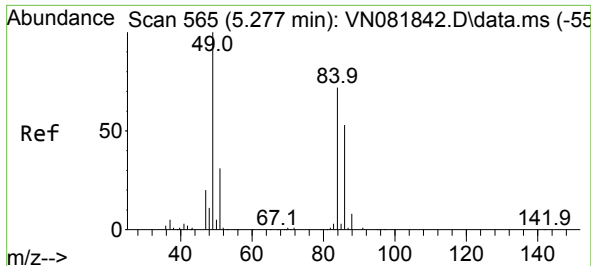
Tgt Ion: 76 Resp: 3654
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 0.887 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

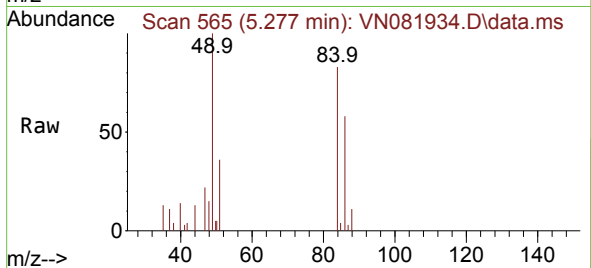
Tgt Ion: 43 Resp: 3121
Ion Ratio Lower Upper
43 100
74 7.0 22.2 33.2#



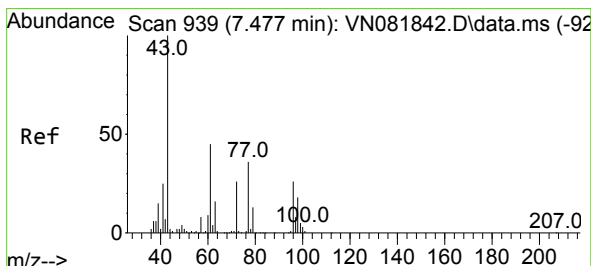
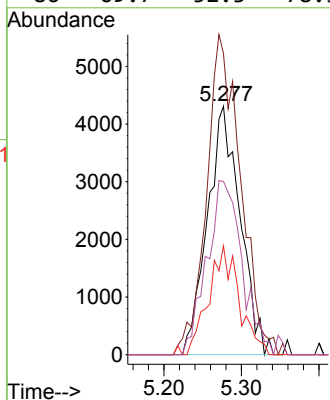
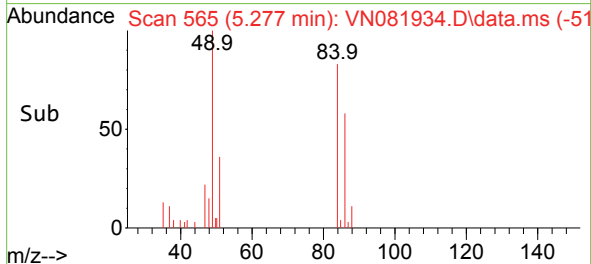


#20
Methylene Chloride
Concen: 4.246 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :

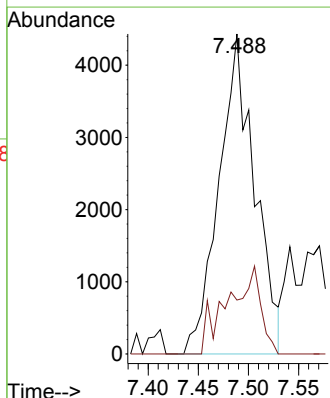
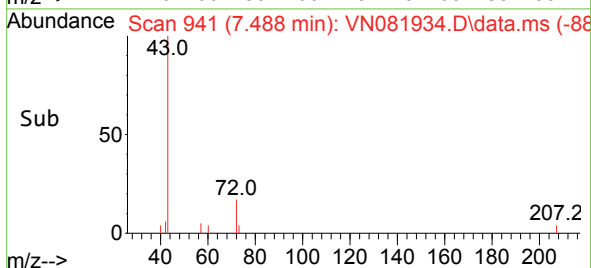
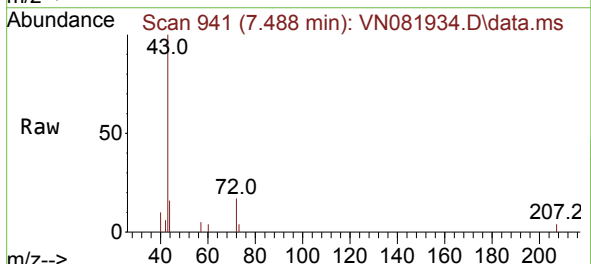


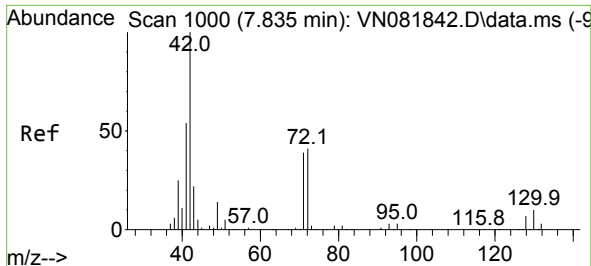
Tgt Ion:	84	Resp:	12645
Ion	Ratio	Lower	Upper
84	100		
49	121.2	84.9	127.3
51	43.8	27.0	40.6#
86	69.7	52.3	78.5



#25
2-Butanone
Concen: 5.557 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

Tgt Ion:	43	Resp:	10960
Ion	Ratio	Lower	Upper
43	100		
72	16.9	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.708 ug/l

RT: 7.853 min Scan# 1000

Delta R.T. 0.018 min

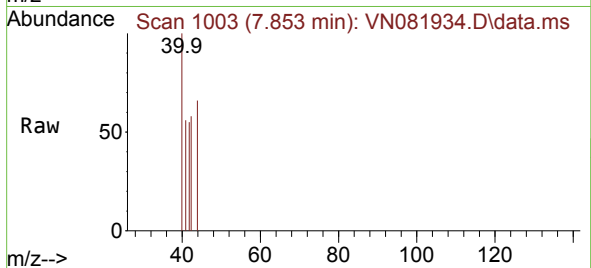
Lab File: VN081934.D

Acq: 30 Apr 2024 16:29

Instrument :

MSVOA_N

ClientSampleId :



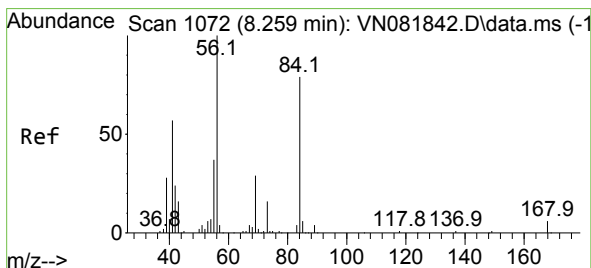
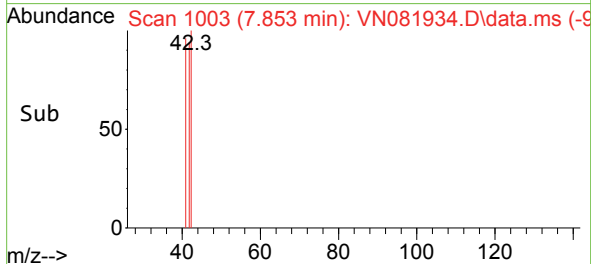
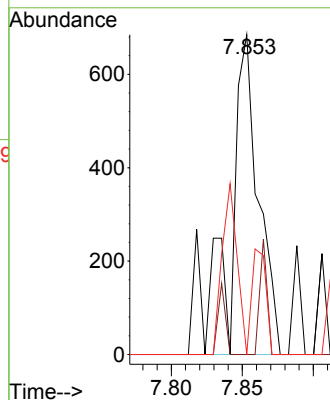
Tgt Ion: 42 Resp: 1001

Ion Ratio Lower Upper

42 100

72 8.7 39.3 58.9#

71 15.5 37.4 56.0#



#31

Cyclohexane

Concen: 1.204 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN081934.D

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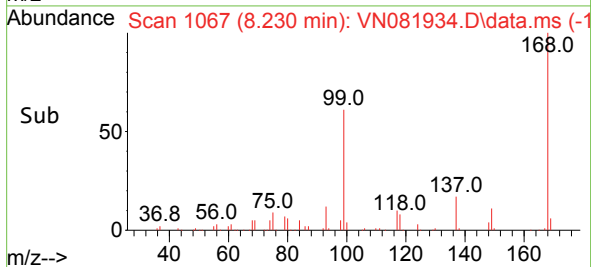
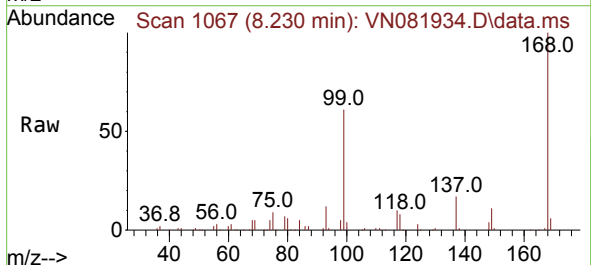
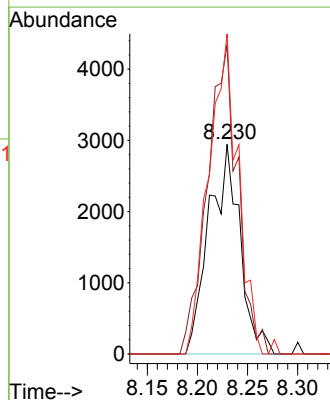
Tgt Ion: 56 Resp: 6305

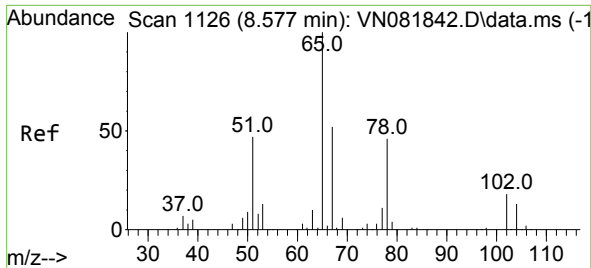
Ion Ratio Lower Upper

56 100

69 147.4 24.4 36.6#

84 152.6 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 44.893 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081934.D

Acq: 30 Apr 2024 16:29

Instrument :

MSVOA_N

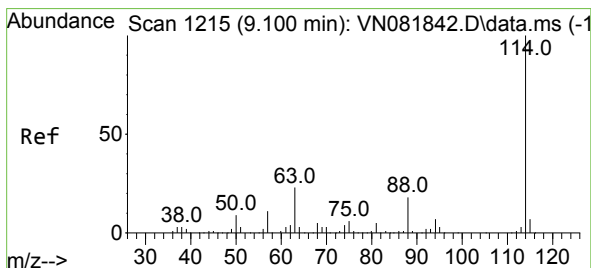
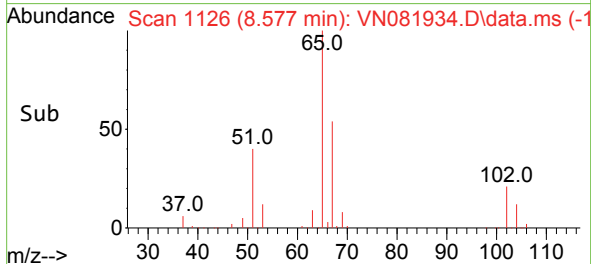
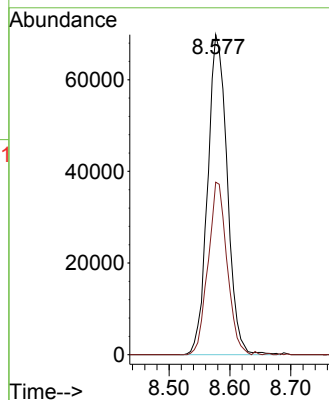
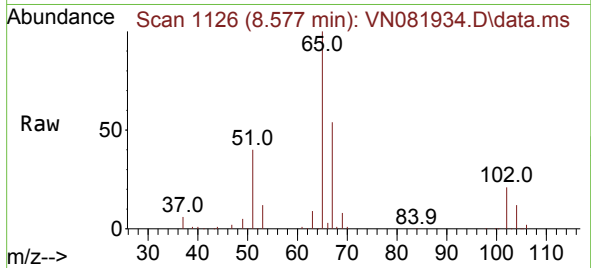
ClientSampleId :

Tgt Ion: 65 Resp: 155996

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081934.D

Acq: 30 Apr 2024 16:29

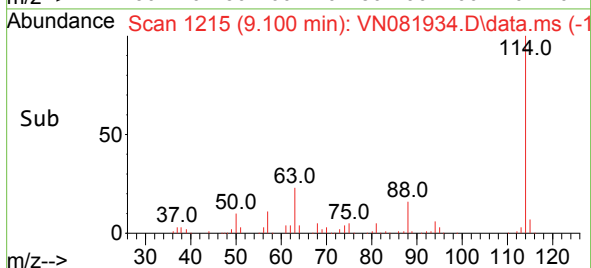
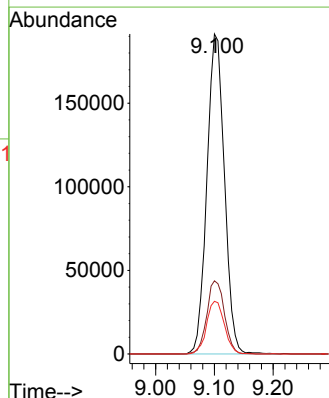
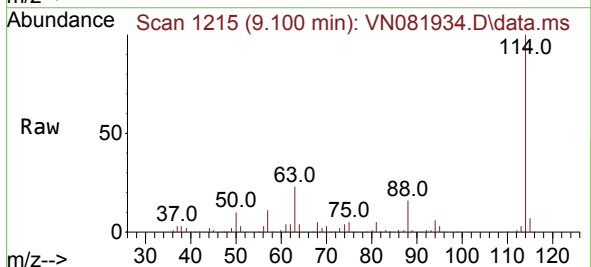
Tgt Ion: 114 Resp: 396986

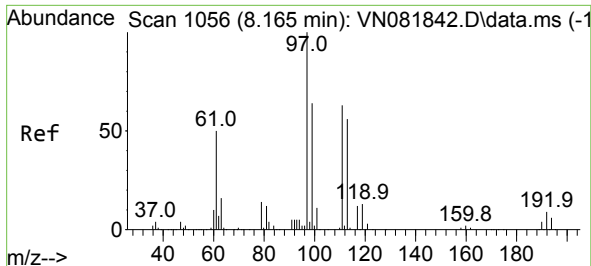
Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.0

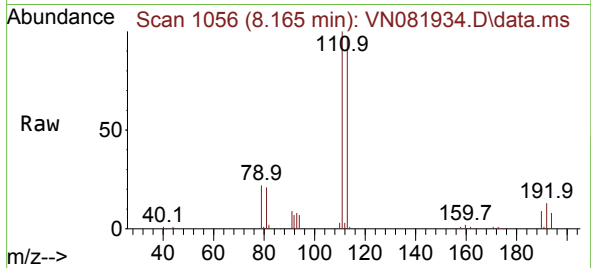
88 16.5 0.0 31.4



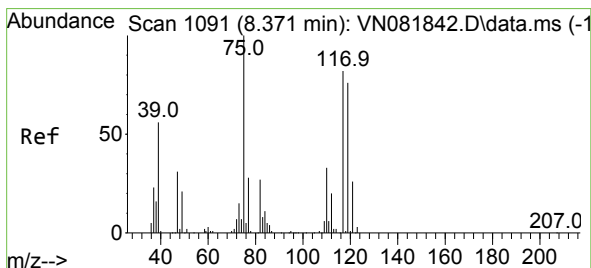
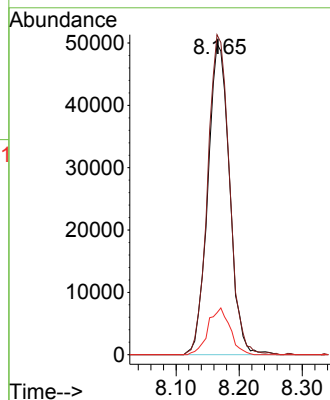
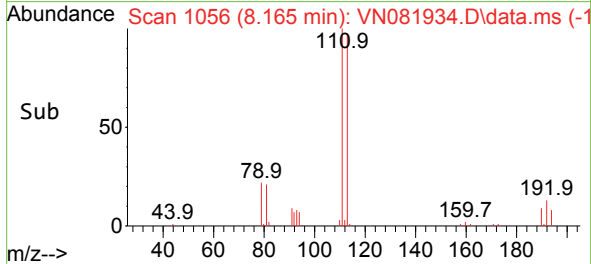


#35
Dibromofluoromethane
Concen: 49.915 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :

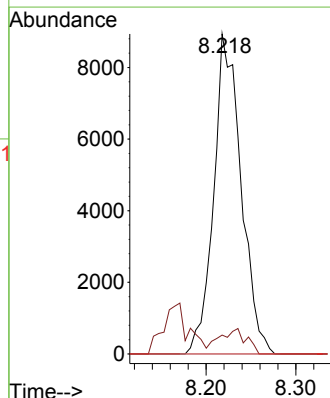
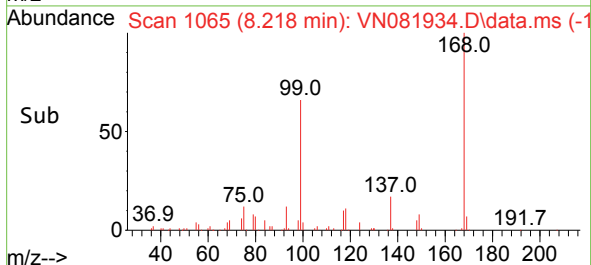
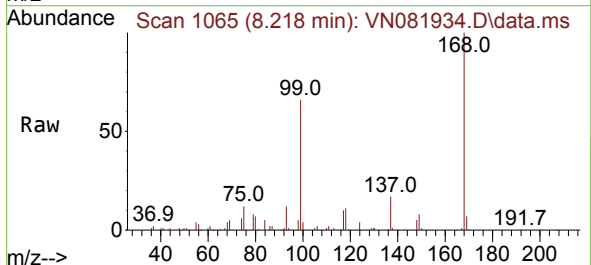


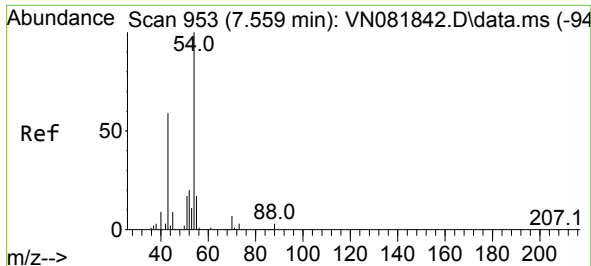
Tgt Ion:113 Resp: 119306
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.2
192 15.2 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.862 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

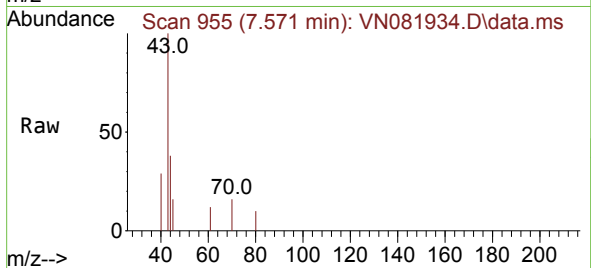
Tgt Ion: 75 Resp: 18908
Ion Ratio Lower Upper
75 100
110 7.8 17.8 53.5#
77 0.0 25.0 37.4#



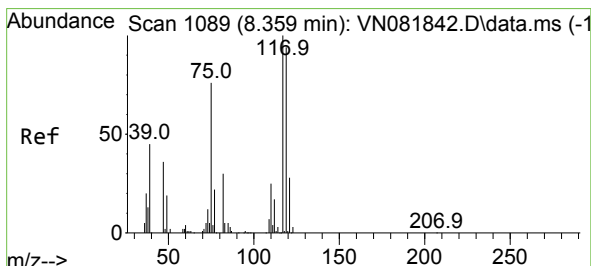
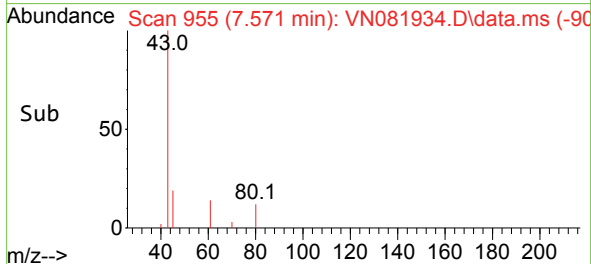
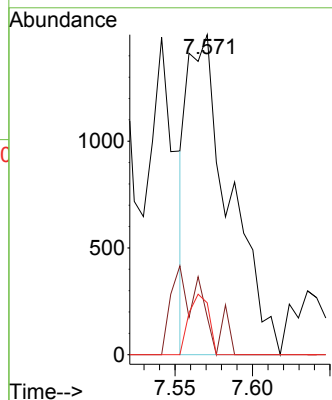


#37
Ethyl Acetate
Concen: 0.674 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :

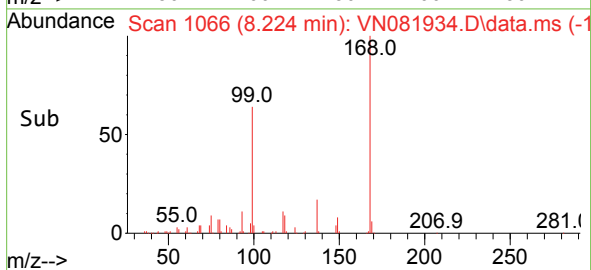
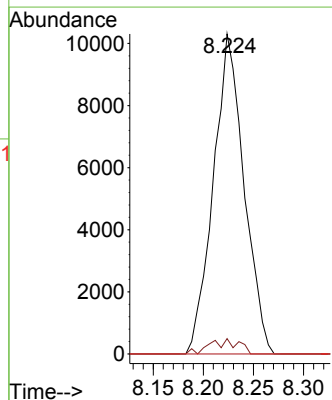
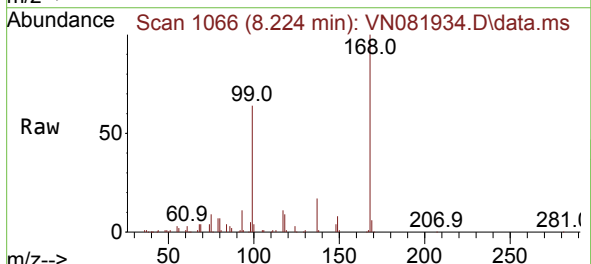


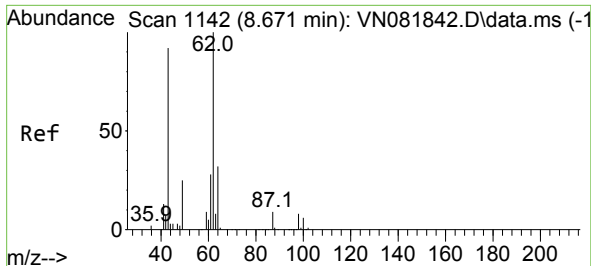
Tgt Ion: 43 Resp: 2835
Ion Ratio Lower Upper
43 100
61 17.6 11.3 16.9#
70 9.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 5.783 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

Tgt Ion: 117 Resp: 21978
Ion Ratio Lower Upper
117 100
119 4.8 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.202 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN081934.D

Acq: 30 Apr 2024 16:29

Instrument :

MSVOA_N

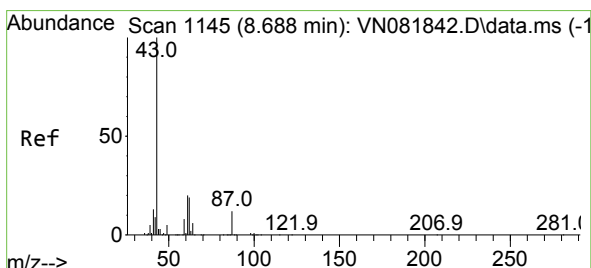
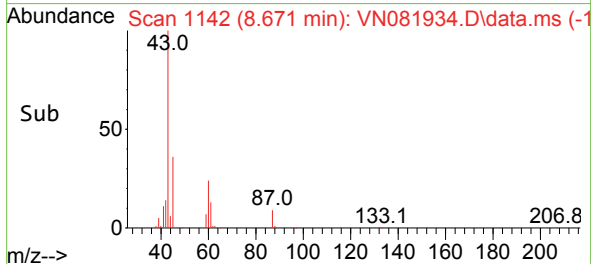
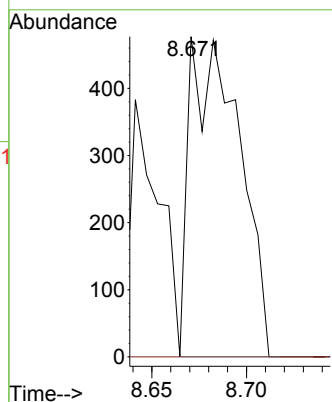
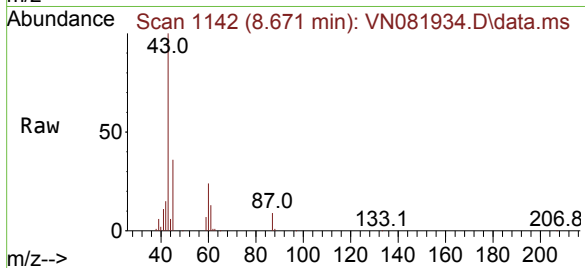
ClientSampleId :

Tgt Ion: 62 Resp: 874

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 31.843 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081934.D

Acq: 30 Apr 2024 16:29

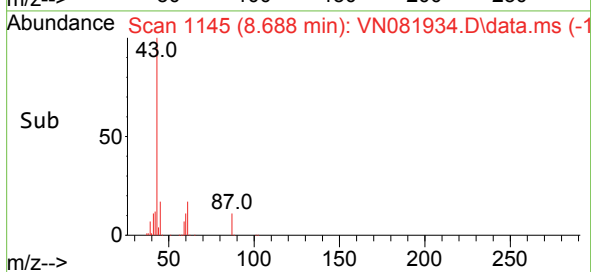
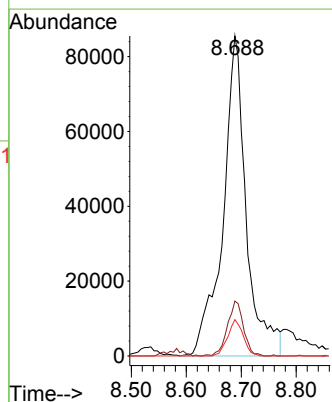
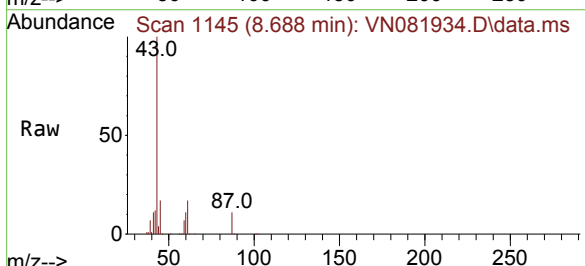
Tgt Ion: 43 Resp: 251728

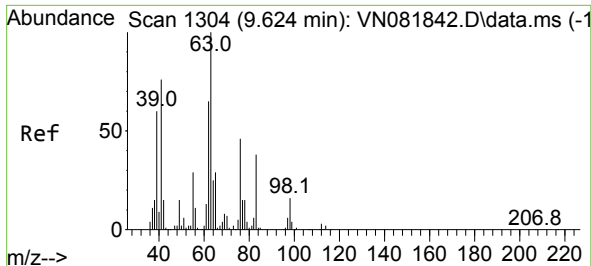
Ion Ratio Lower Upper

43 100

61 11.8 22.8 34.2#

87 7.6 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.397 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN081934.D

Acq: 30 Apr 2024 16:29

Instrument :

MSVOA_N

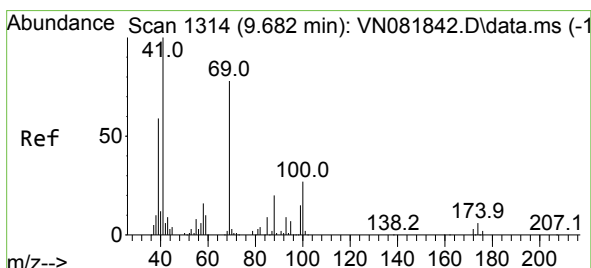
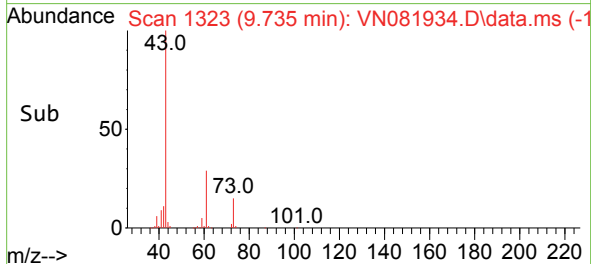
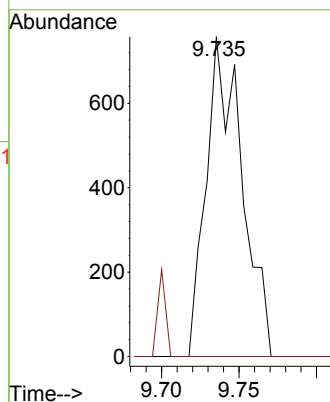
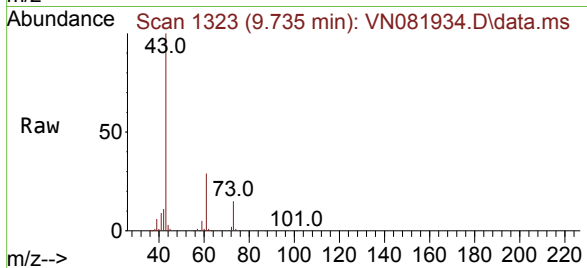
ClientSampleId :

Tgt Ion: 63 Resp: 1214

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.282 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN081934.D

Acq: 30 Apr 2024 16:29

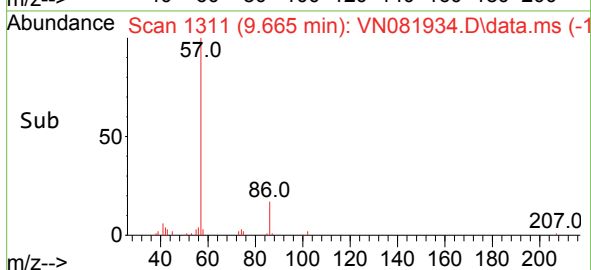
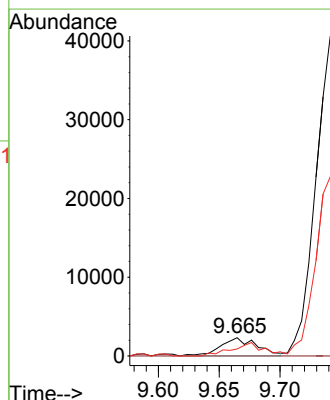
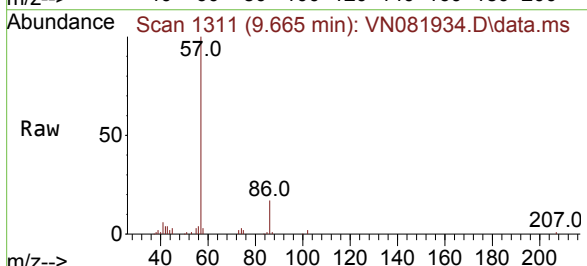
Tgt Ion: 41 Resp: 4837

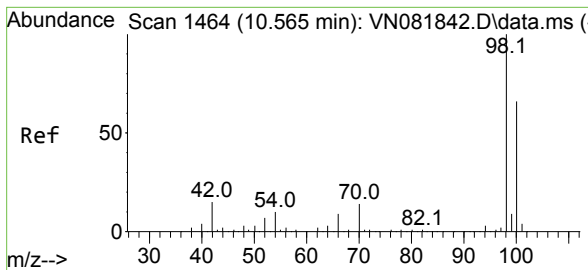
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 65.3 50.9 76.3

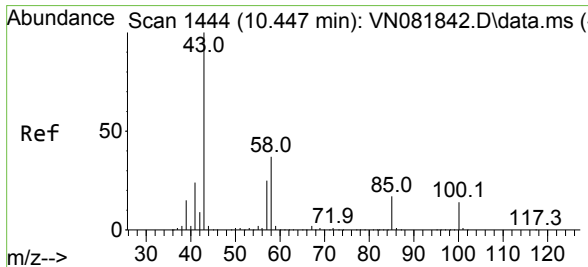
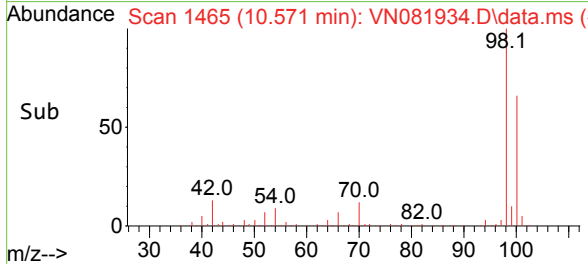
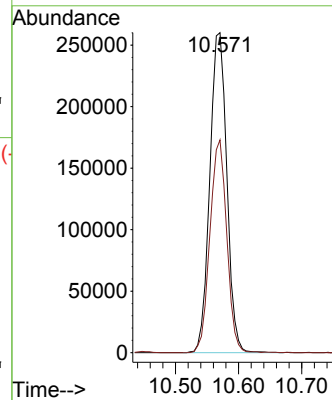
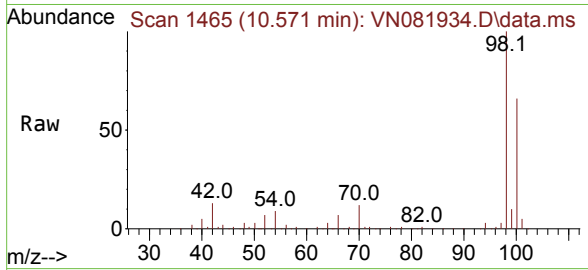




#50
Toluene-d8
Concen: 51.789 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

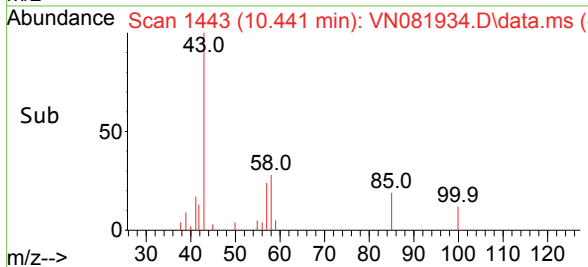
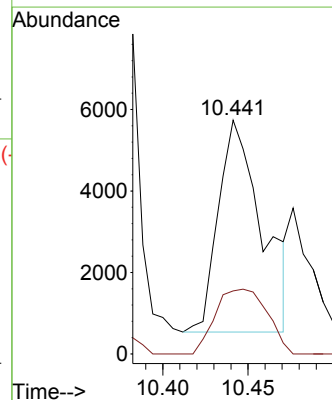
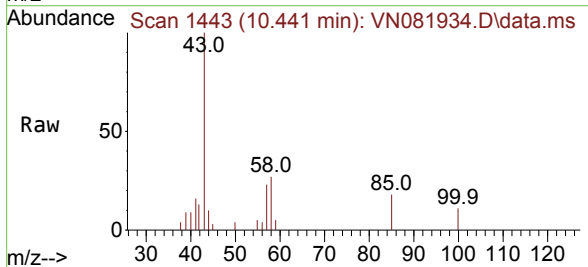
Instrument :
MSVOA_N
ClientSampleId :

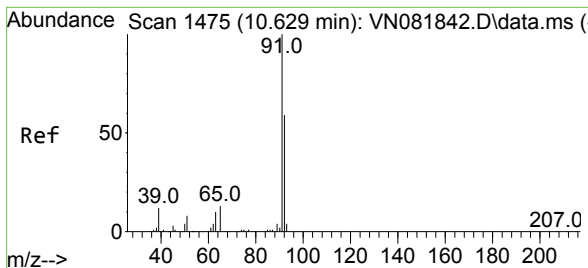
Tgt Ion: 98 Resp: 486161
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.071 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

Tgt Ion: 43 Resp: 9218
Ion Ratio Lower Upper
43 100
58 36.5 33.2 49.8





#52

Toluene

Concen: 1.893 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN081934.D

Acq: 30 Apr 2024 16:29

Instrument :

MSVOA_N

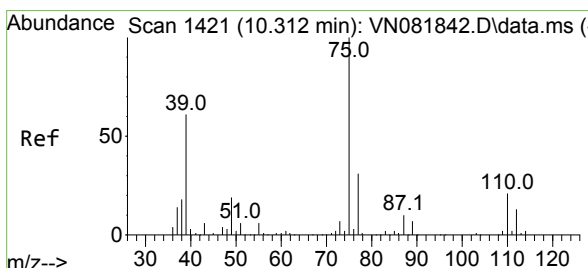
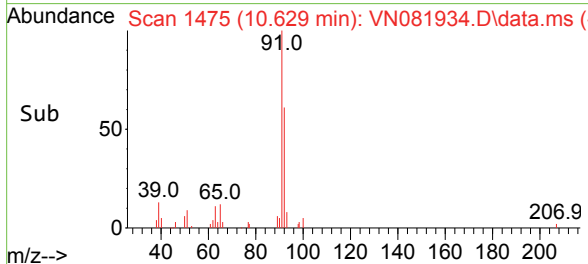
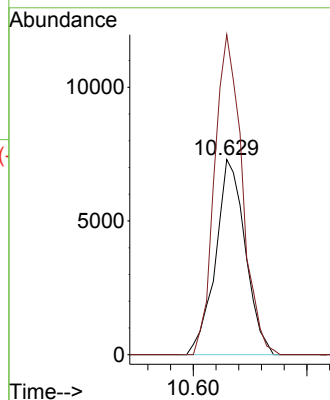
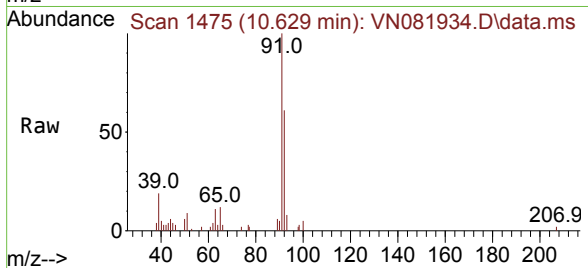
ClientSampleId :

Tgt Ion: 92 Resp: 13236

Ion Ratio Lower Upper

92 100

91 152.5 136.7 205.1



#54

cis-1,3-Dichloropropene

Concen: 12.356 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN081934.D

Acq: 30 Apr 2024 16:29

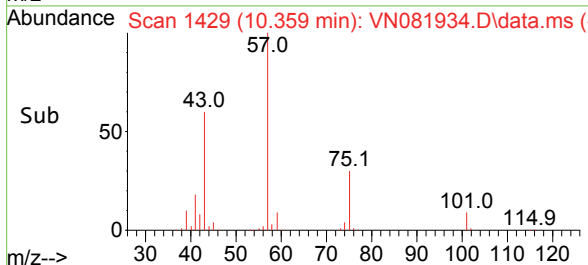
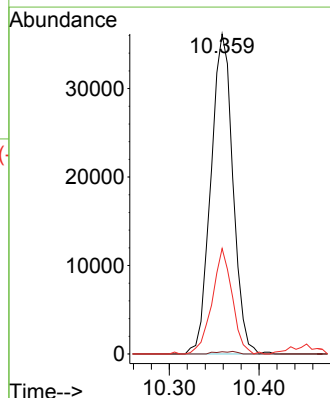
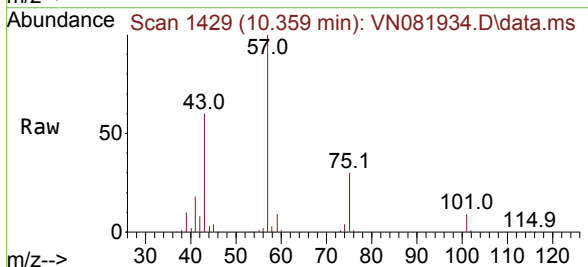
Tgt Ion: 75 Resp: 61707

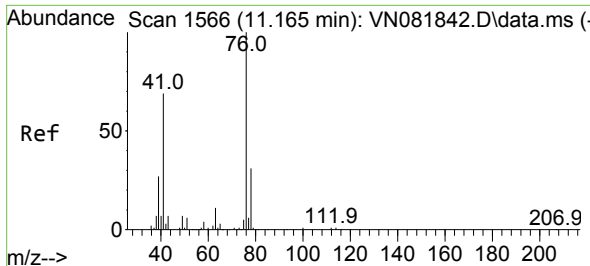
Ion Ratio Lower Upper

75 100

77 0.7 25.0 37.4#

39 33.0 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 1.000 ug/l

RT: 11.200 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN081934.D

Acq: 30 Apr 2024 16:29

Instrument :

MSVOA_N

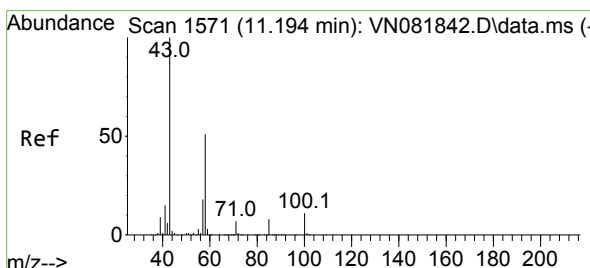
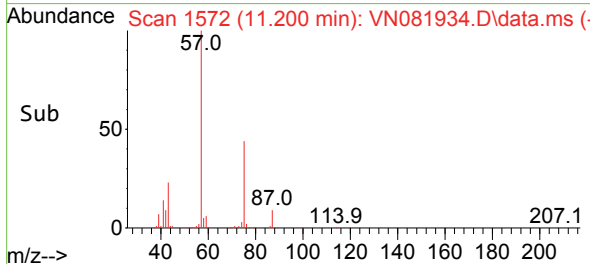
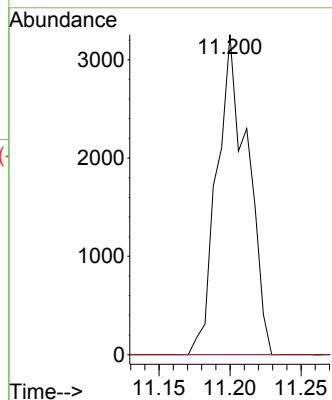
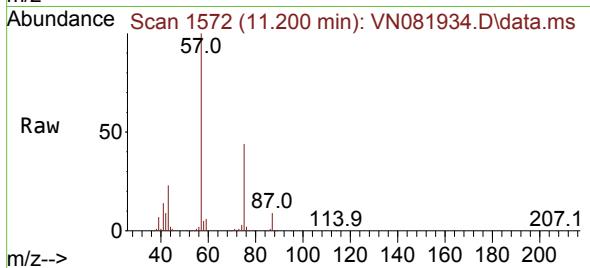
ClientSampleId :

Tgt Ion: 76 Resp: 4887

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 66.437 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN081934.D

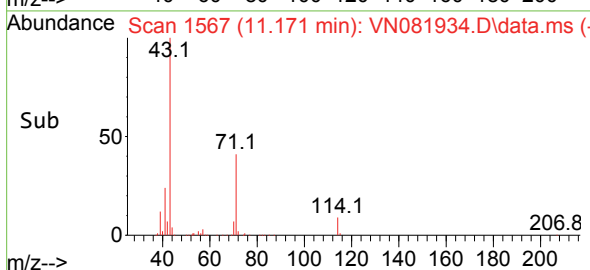
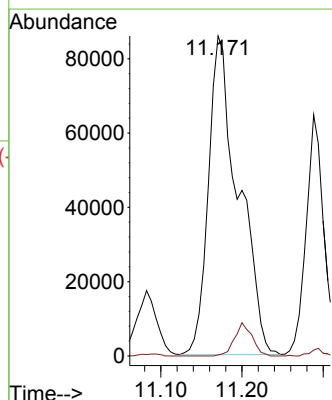
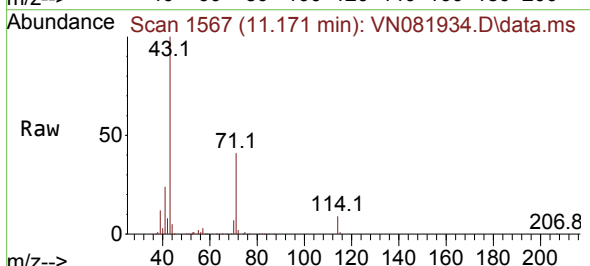
Acq: 30 Apr 2024 16:29

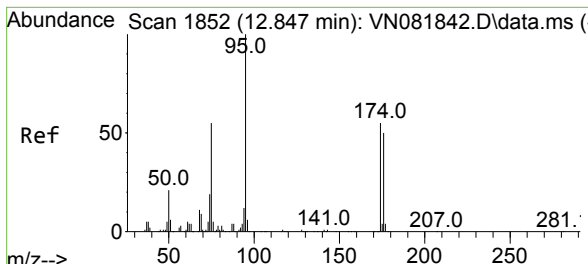
Tgt Ion: 43 Resp: 220035

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

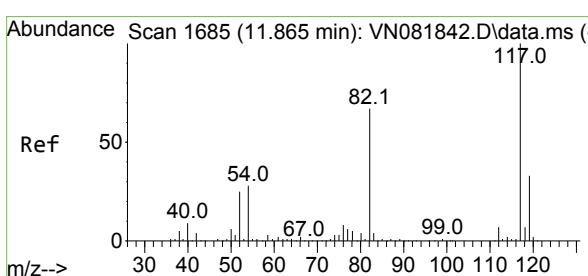
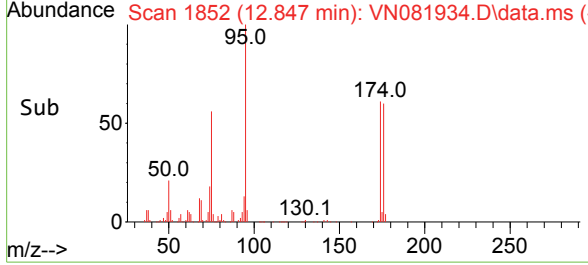
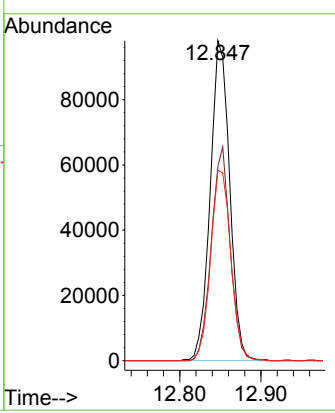
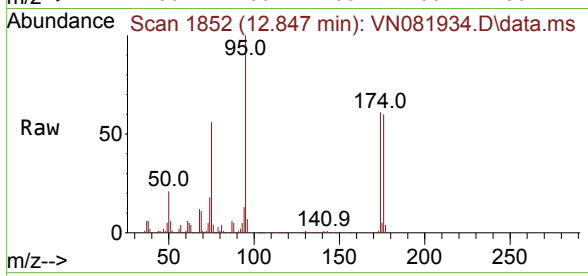




#62
 4-Bromofluorobenzene
 Concen: 43.970 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN081934.D
 Acq: 30 Apr 2024 16:29

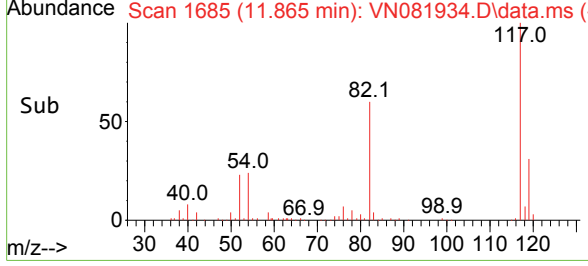
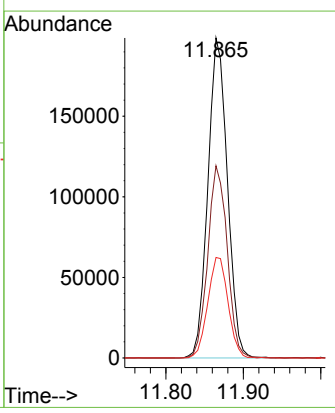
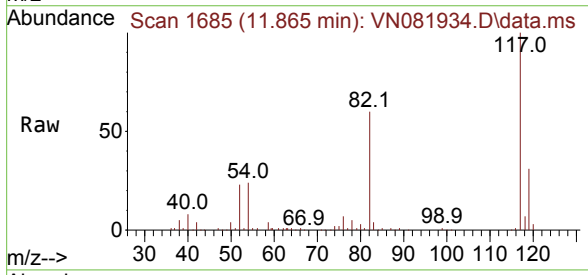
Instrument :
 MSVOA_N
 ClientSampleId :

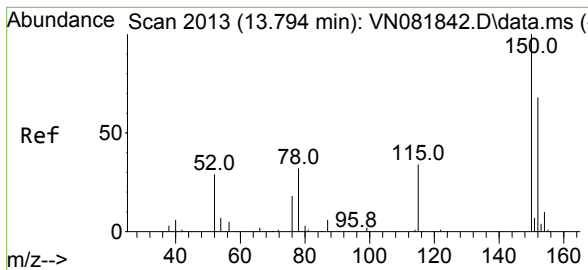
Tgt Ion:	95	Resp:	163165
Ion Ratio	Lower	Upper	
95	100		
174	65.1	0.0	160.6
176	61.9	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081934.D
 Acq: 30 Apr 2024 16:29

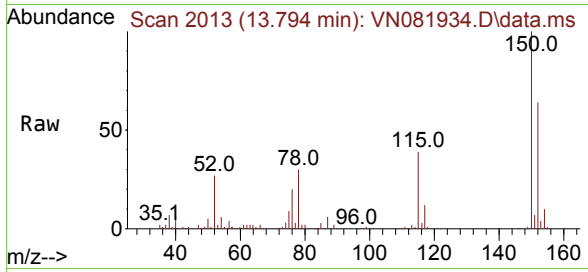
Tgt Ion:	117	Resp:	347174
Ion Ratio	Lower	Upper	
117	100		
82	60.1	44.6	66.8
119	31.4	25.9	38.9



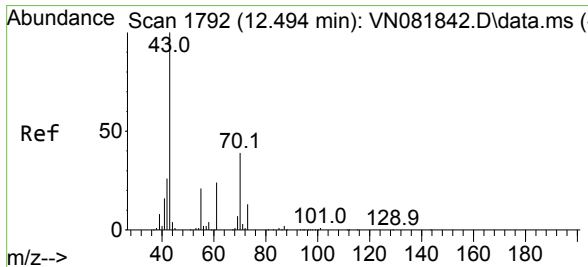
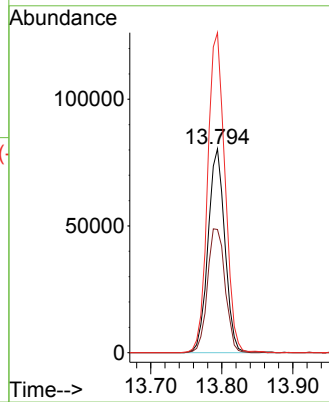
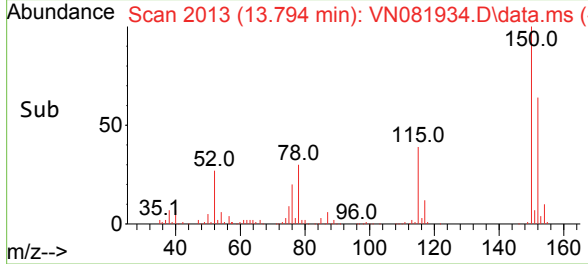


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081934.D
 Acq: 30 Apr 2024 16:29

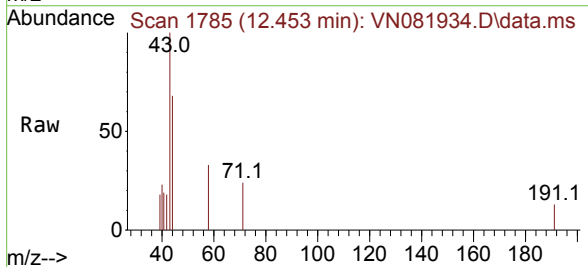
Instrument :
 MSVOA_N
 ClientSampleId :



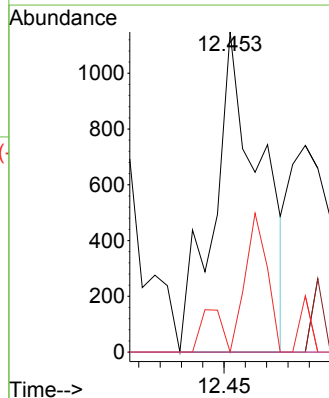
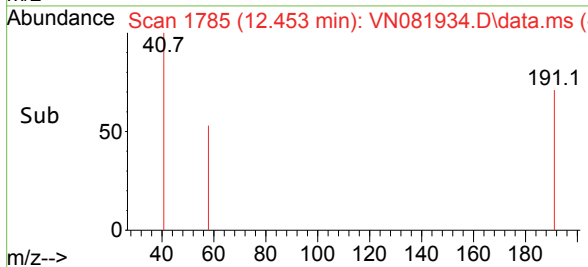
Tgt Ion:152 Resp: 132609
 Ion Ratio Lower Upper
 152 100
 115 63.8 30.4 91.3
 150 161.2 0.0 353.2

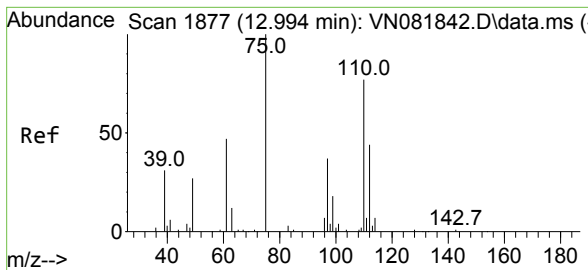


#74
 N-ethyl acetate
 Concen: 0.267 ug/l
 RT: 12.453 min Scan# 1785
 Delta R.T. -0.041 min
 Lab File: VN081934.D
 Acq: 30 Apr 2024 16:29



Tgt Ion: 43 Resp: 1754
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 26.5 21.3 31.9
 61 0.0 20.5 30.7#

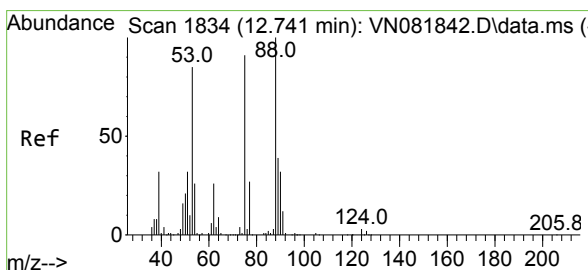
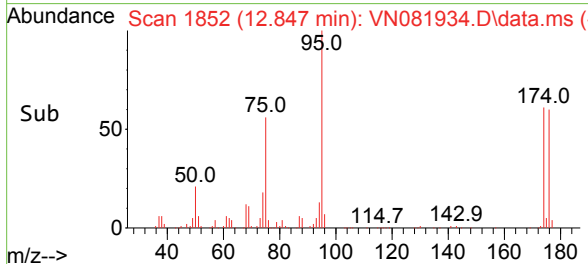
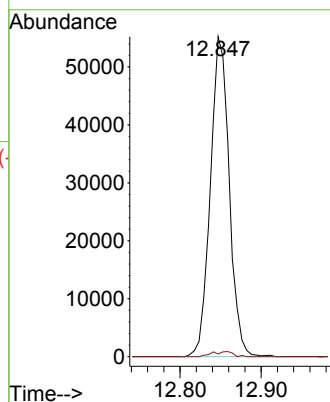
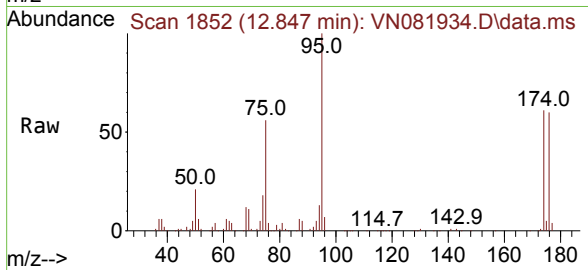




#76
1,2,3-Trichloropropane
Concen: 25.903 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 89060
Ion Ratio Lower Upper
75 100
77 1.8 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.078 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081934.D
Acq: 30 Apr 2024 16:29

Tgt Ion: 75 Resp: 89060
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.1 39.1 58.7#

