

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
 Data File : VN081331.D
 Acq On : 06 Mar 2024 17:03
 Operator : JC\MD
 Sample : P1672-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Mar 07 00:29:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

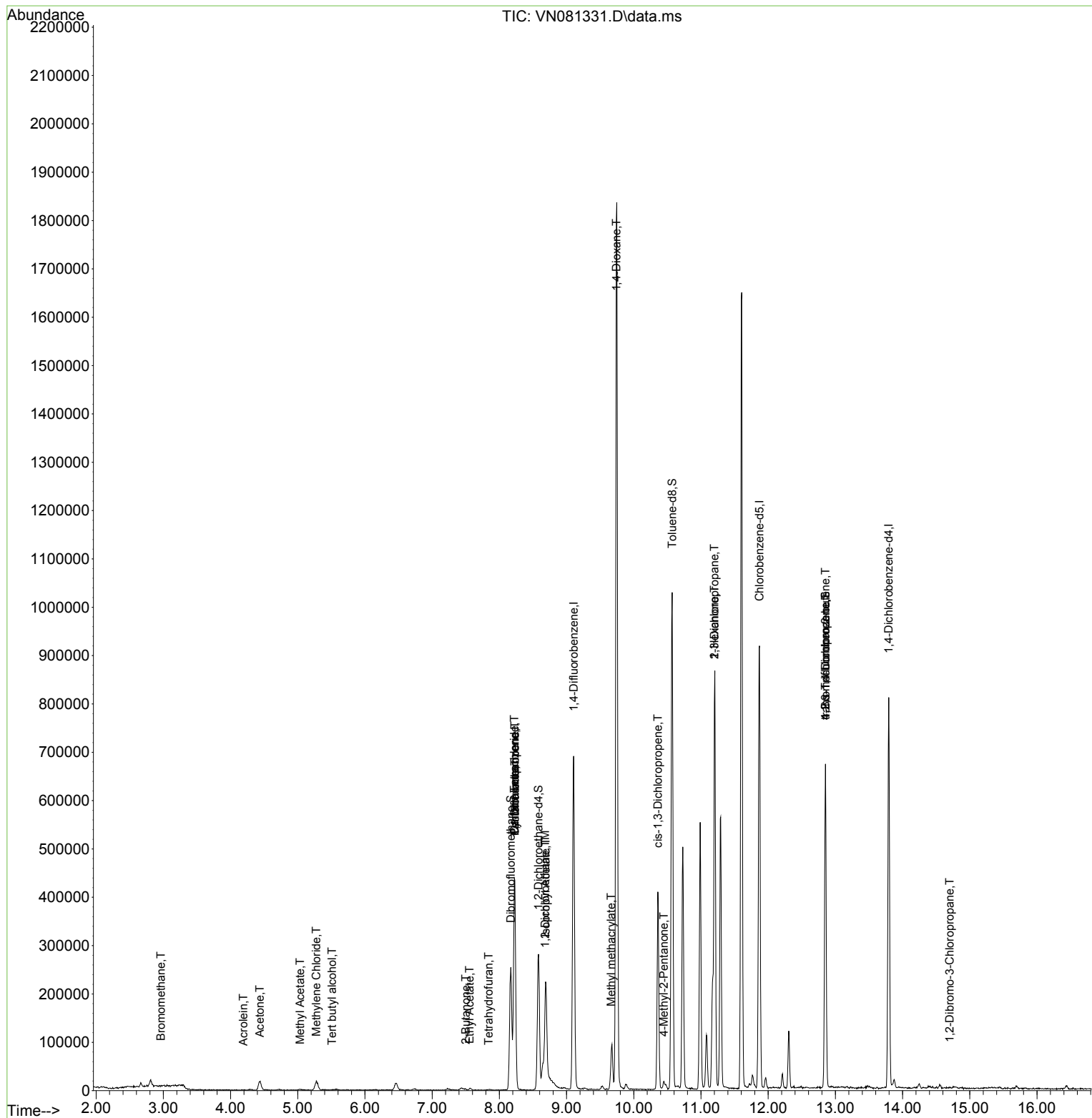
Internal Standards						
1) Pentafluorobenzene	8.230	168	293986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	575639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	521756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	228829	53.833	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.660%			
35) Dibromofluoromethane	8.171	113	179687	50.950	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.900%			
50) Toluene-d8	10.571	98	698835	53.007	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.020%			
62) 4-Bromofluorobenzene	12.853	95	223151	47.890	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 95.780%			
Target Compounds						Qvalue
5) Bromomethane	2.965	94	627	0.214	ug/l #	6
11) Tert butyl alcohol	5.512	59	223	0.300	ug/l #	72
13) Acrolein	4.189	56	665	0.756	ug/l #	62
16) Acetone	4.436	43	34832	23.128	ug/l	90
18) Methyl Acetate	5.036	43	2254	0.523	ug/l #	85
20) Methylene Chloride	5.277	84	13516	2.874	ug/l #	81
25) 2-Butanone	7.500	43	4144	1.643	ug/l	93
29) Tetrahydrofuran	7.841	42	725	0.422	ug/l #	76
31) Cyclohexane	8.230	56	8614	1.339	ug/l #	52
36) 1,1-Dichloropropene	8.230	75	28338	4.981	ug/l #	51
37) Ethyl Acetate	7.559	43	5459	0.982	ug/l #	94
38) Carbon Tetrachloride	8.224	117	34623	6.046	ug/l #	19
42) 1,2-Dichloroethane	8.682	62	1360	0.227	ug/l #	75
43) Isopropyl Acetate	8.688	43	315683	32.428	ug/l #	82
48) Methyl methacrylate	9.665	41	5792	1.346	ug/l #	48
49) 1,4-Dioxane	9.741	88	287	3.026	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	14528	2.570	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	70789	10.382	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	8926	1.257	ug/l #	43
59) 2-Hexanone	11.200	43	96880	22.926	ug/l #	62
76) 1,2,3-Trichloropropane	12.853	75	120757	25.621	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	120757	71.505	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.700	75	619	0.582	ug/l #	13

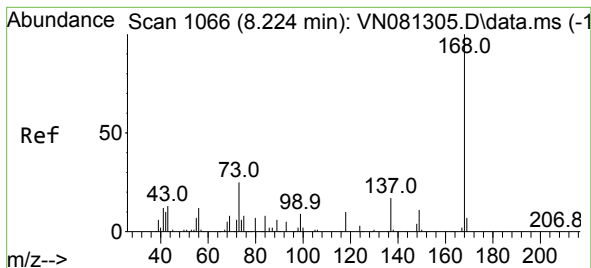
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081331.D

Acq: 06 Mar 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

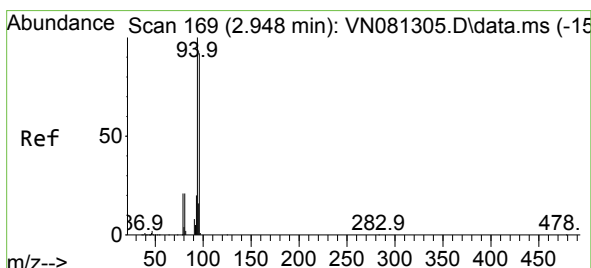
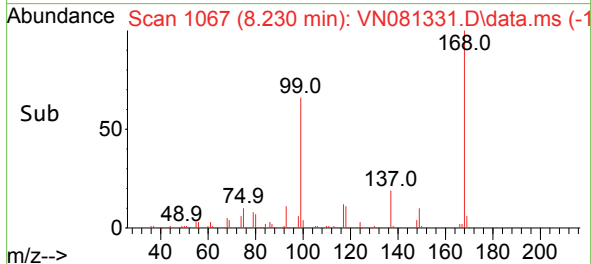
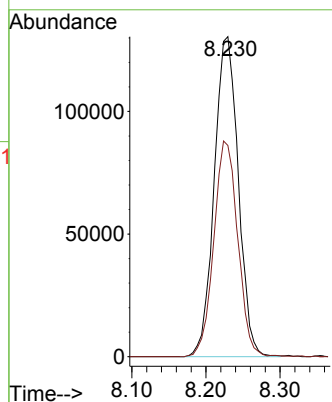
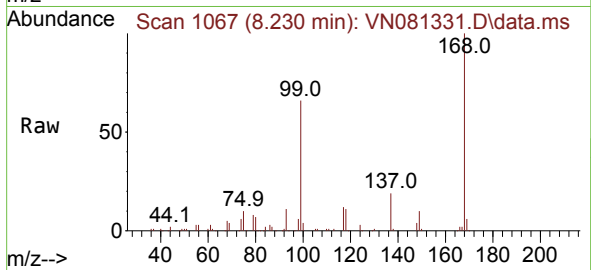
TP-1

Tgt Ion:168 Resp: 293986

Ion Ratio Lower Upper

168 100

99 66.0 59.9 89.9



#5

Bromomethane

Concen: 0.214 ug/l

RT: 2.965 min Scan# 172

Delta R.T. 0.018 min

Lab File: VN081331.D

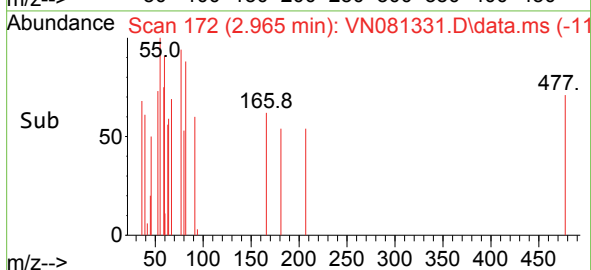
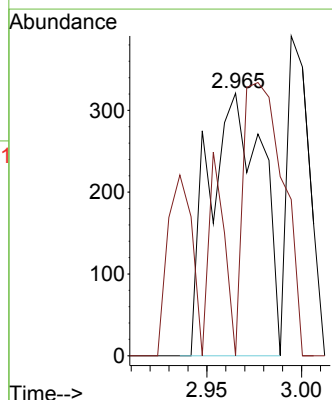
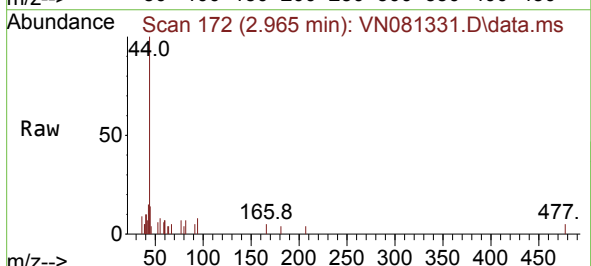
Acq: 06 Mar 2024 17:03

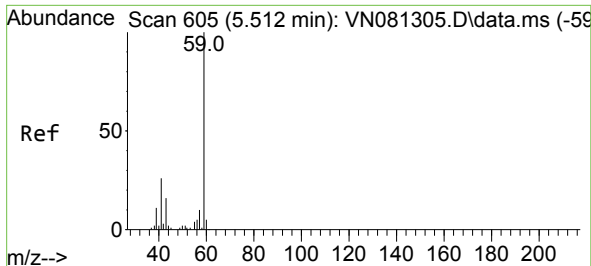
Tgt Ion: 94 Resp: 627

Ion Ratio Lower Upper

94 100

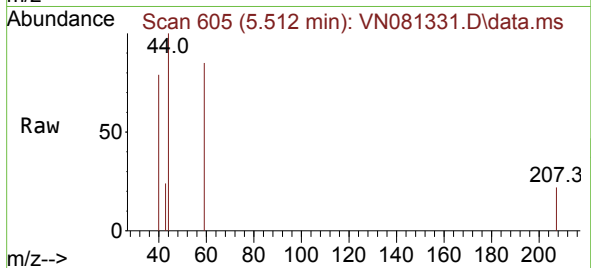
96 0.0 69.2 103.8#



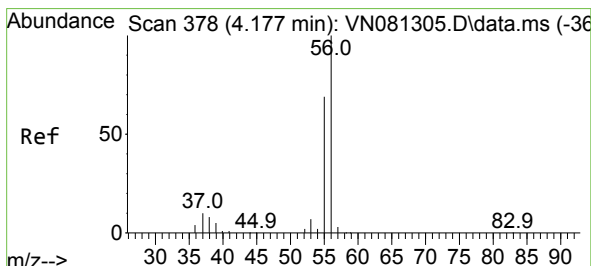
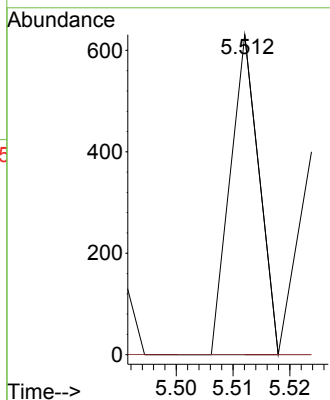
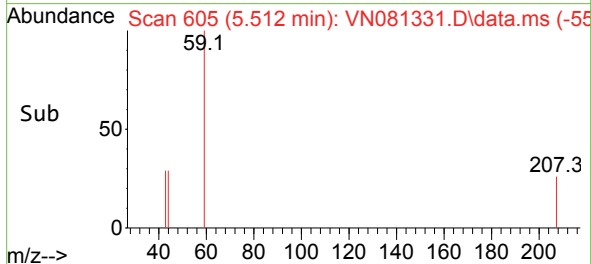


#11
Tert butyl alcohol
Concen: 0.300 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :
TP-1

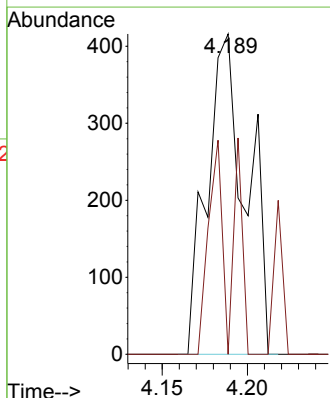
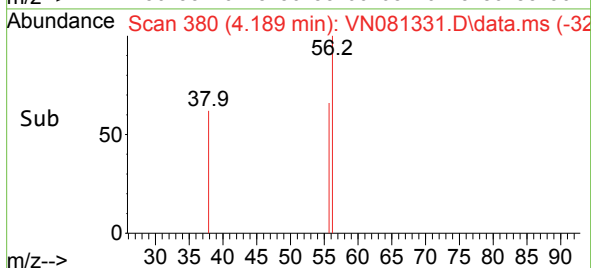
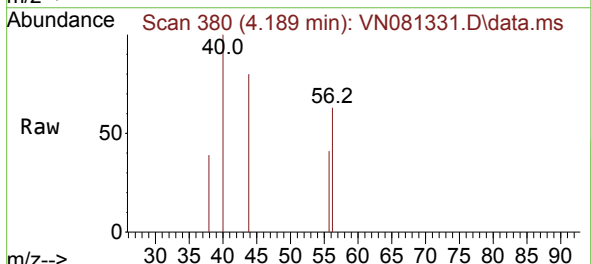


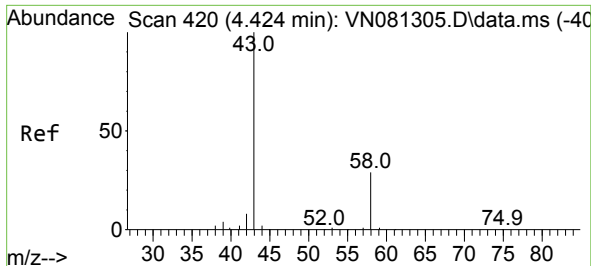
Tgt Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.756 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

Tgt Ion: 56 Resp: 665
Ion Ratio Lower Upper
56 100
55 38.3 55.3 82.9#

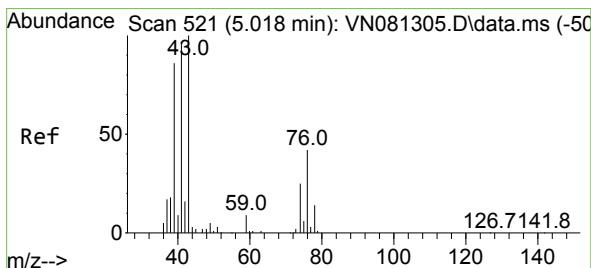
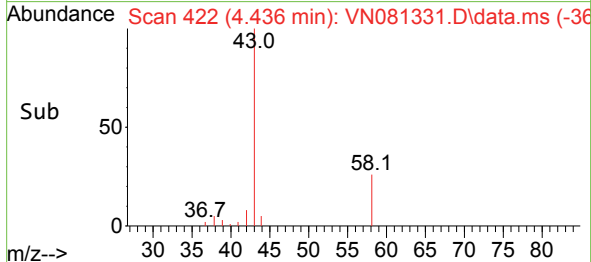
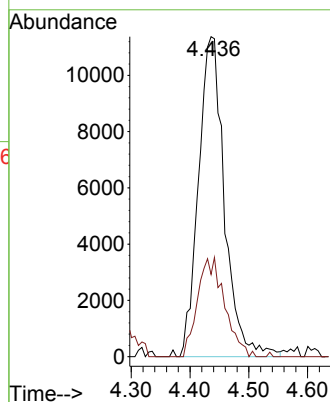
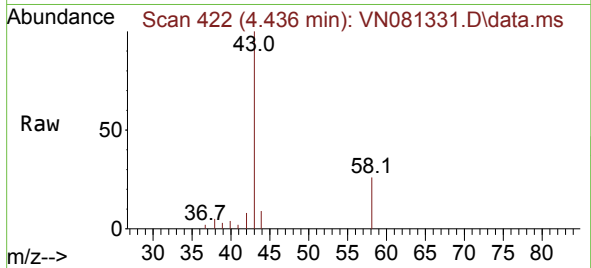




#16
Acetone
Concen: 23.128 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

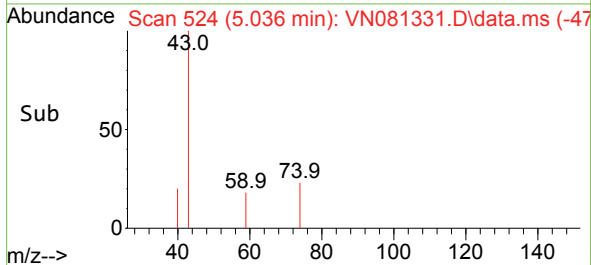
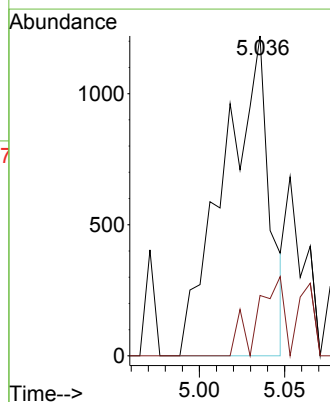
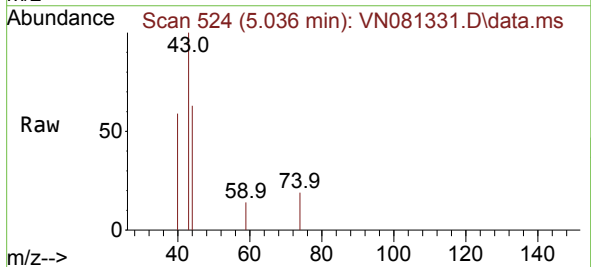
Instrument :
MSVOA_N
ClientSampleId :
TP-1

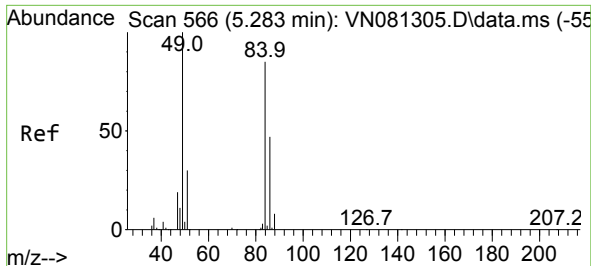
Tgt Ion: 43 Resp: 34832
Ion Ratio Lower Upper
43 100
58 25.7 24.8 37.2



#18
Methyl Acetate
Concen: 0.523 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

Tgt Ion: 43 Resp: 2254
Ion Ratio Lower Upper
43 100
74 14.5 17.3 25.9#

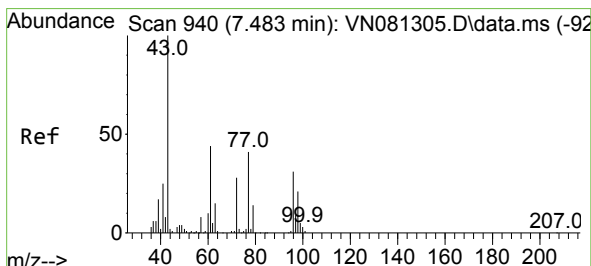
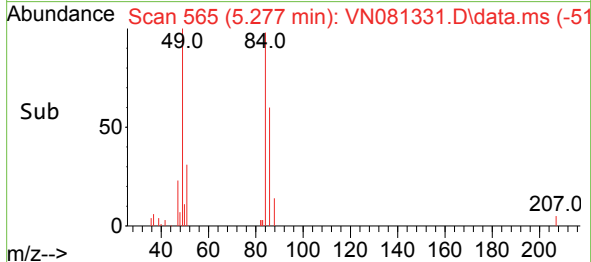
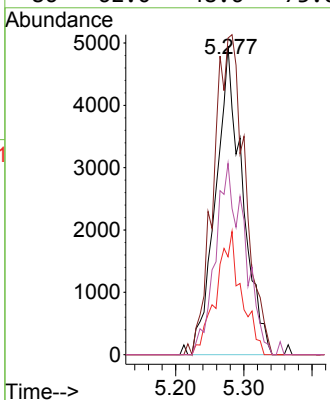
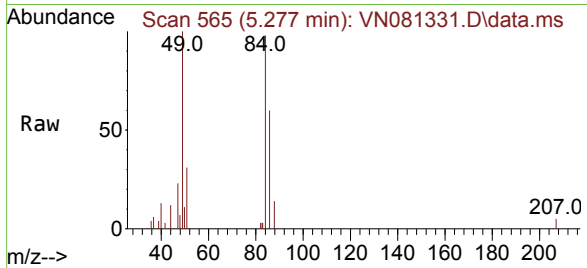




#20
Methylene Chloride
Concen: 2.874 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

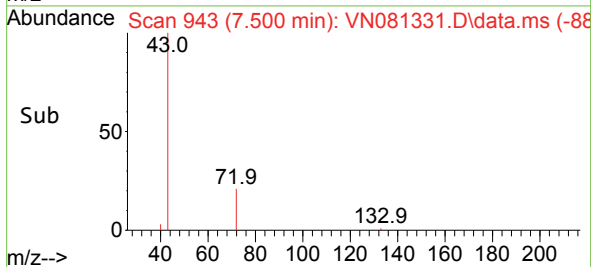
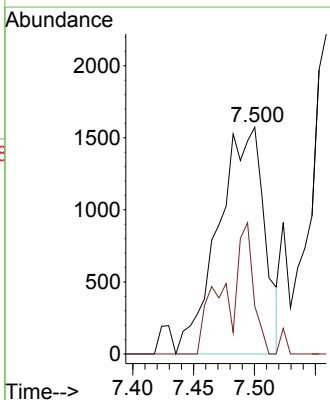
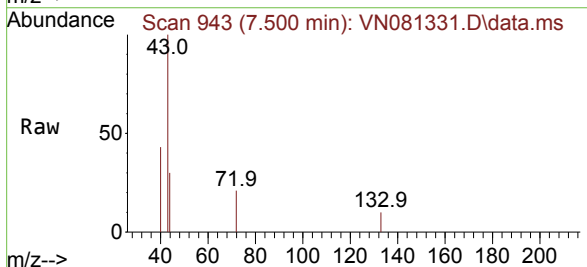
Instrument :
MSVOA_N
ClientSampleId :
TP-1

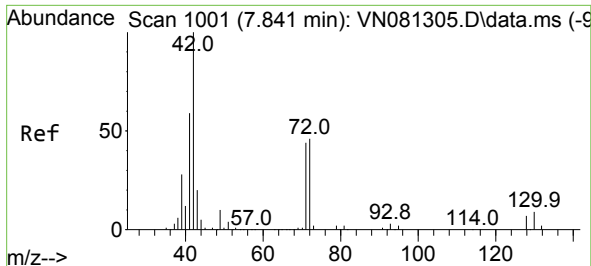
Tgt Ion:	84	Resp:	13516
Ion	Ratio	Lower	Upper
84	100		
49	102.6	108.1	162.1#
51	31.7	32.9	49.3#
86	62.0	48.6	73.0



#25
2-Butanone
Concen: 1.643 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

Tgt Ion:	43	Resp:	4144
Ion	Ratio	Lower	Upper
43	100		
72	21.1	19.5	29.3





#29

Tetrahydrofuran

Concen: 0.422 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. -0.000 min

Lab File: VN081331.D

Acq: 06 Mar 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

TP-1

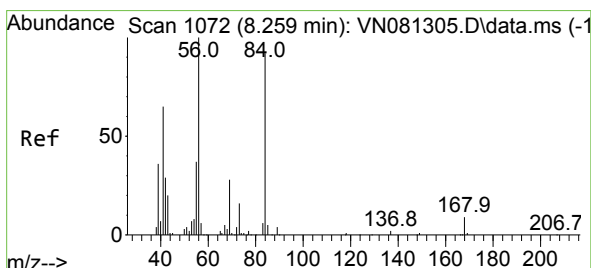
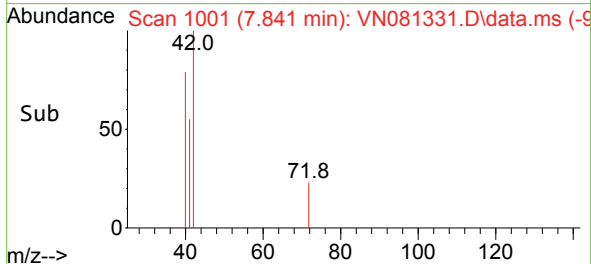
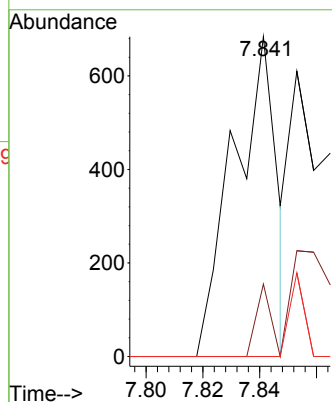
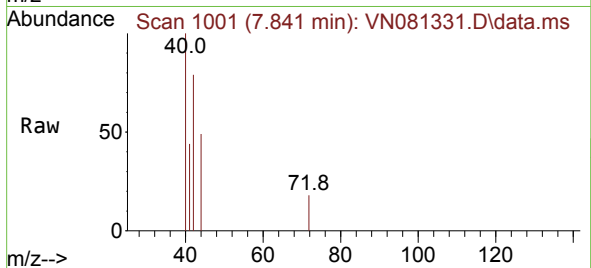
Tgt Ion: 42 Resp: 725

Ion Ratio Lower Upper

42 100

72 36.8 31.1 46.7

71 8.7 28.3 42.5#



#31

Cyclohexane

Concen: 1.339 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN081331.D

Acq: 06 Mar 2024 17:03

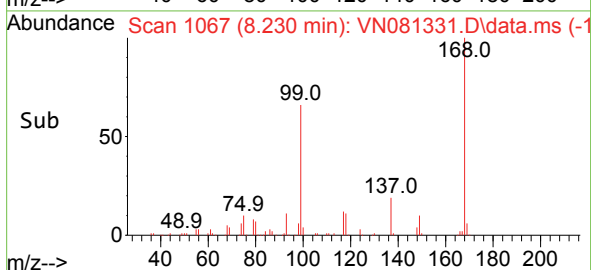
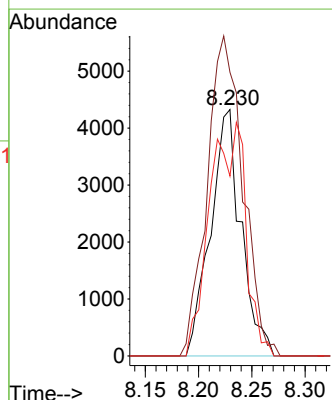
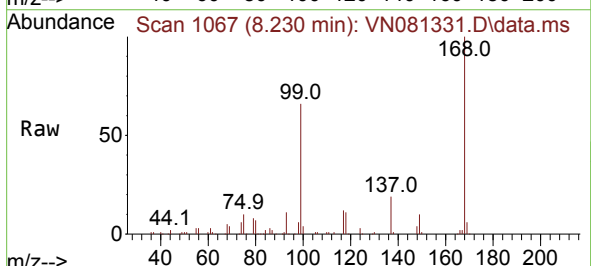
Tgt Ion: 56 Resp: 8614

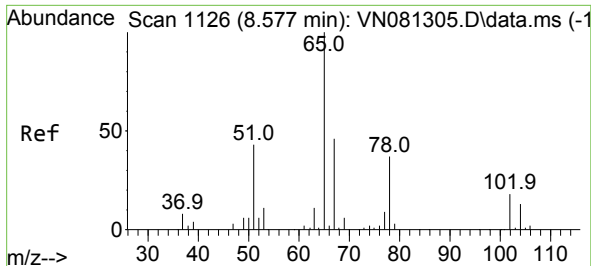
Ion Ratio Lower Upper

56 100

69 115.1 20.1 30.1#

84 73.0 56.9 85.3





#33

1,2-Dichloroethane-d4

Concen: 53.833 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081331.D

Acq: 06 Mar 2024 17:03

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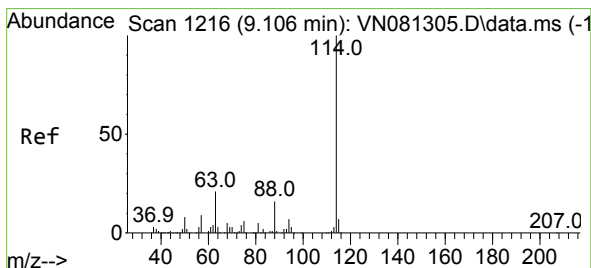
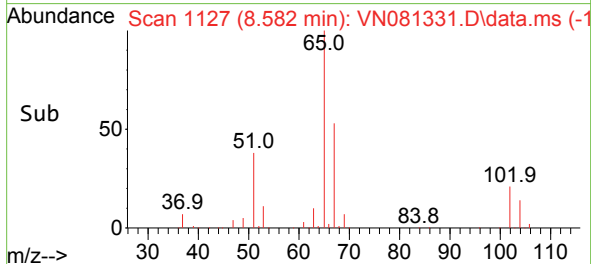
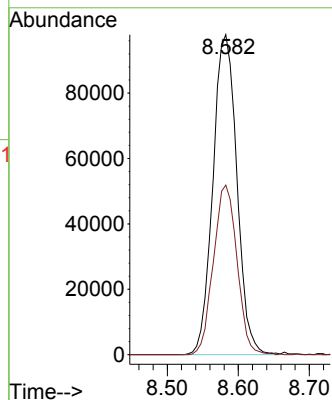
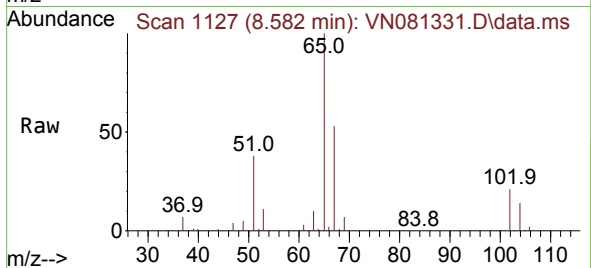
TP-1

Tgt Ion: 65 Resp: 228829

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN081331.D

Acq: 06 Mar 2024 17:03

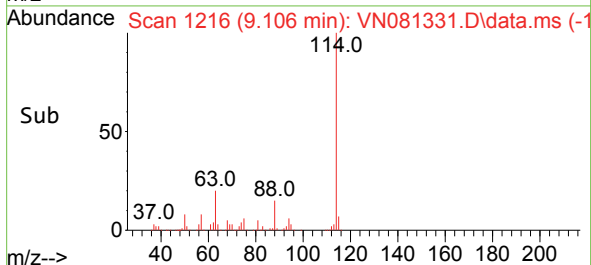
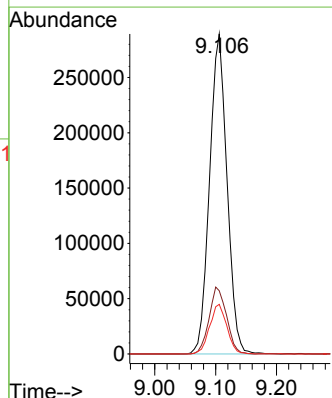
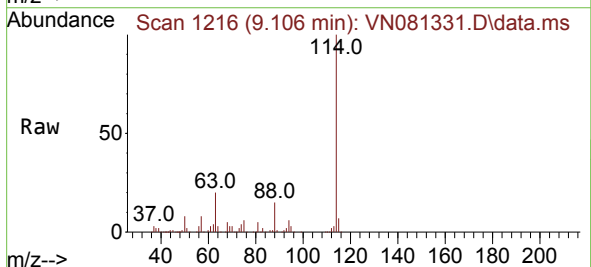
Tgt Ion: 114 Resp: 575639

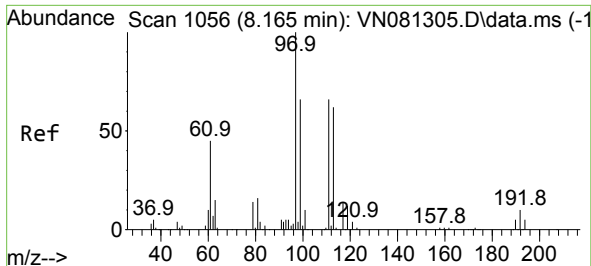
Ion Ratio Lower Upper

114 100

63 19.7 0.0 48.0

88 15.5 0.0 34.8

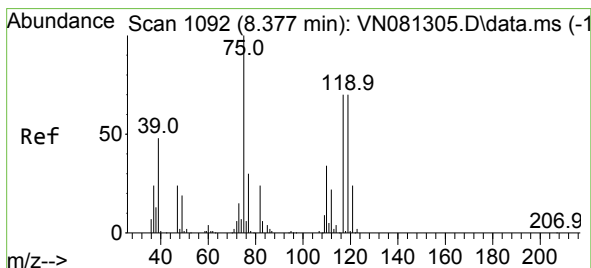
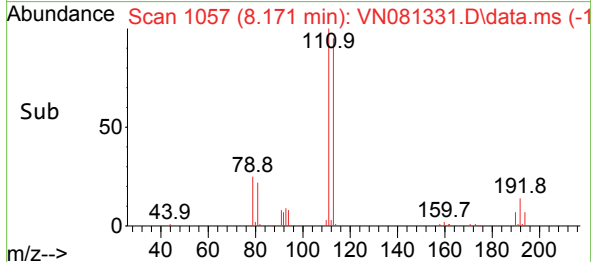
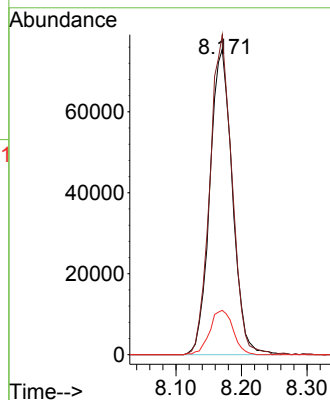
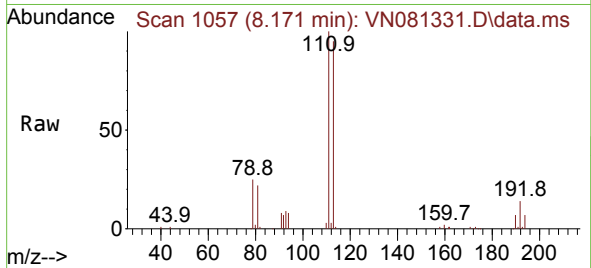




#35
Dibromofluoromethane
Concen: 50.950 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

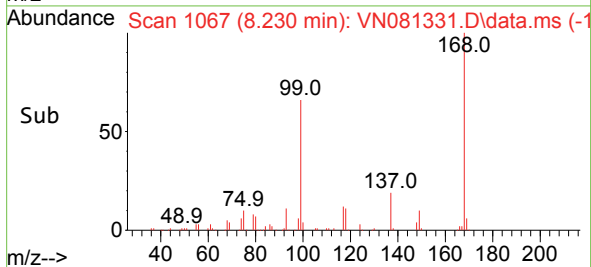
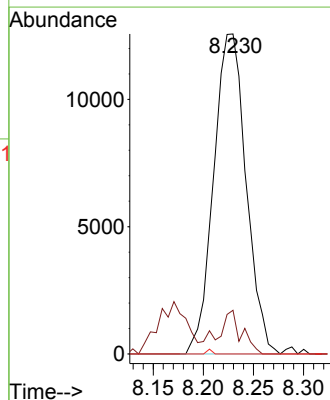
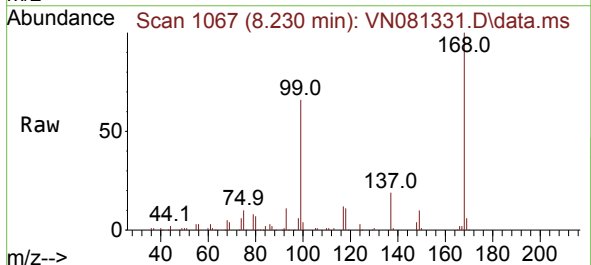
Instrument :
MSVOA_N
ClientSampleId :
TP-1

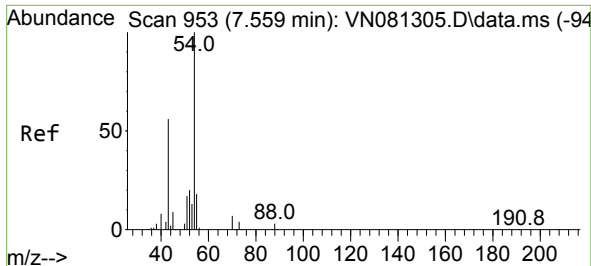
Tgt Ion:113 Resp: 179687
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 15.1 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.981 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

Tgt Ion: 75 Resp: 28338
Ion Ratio Lower Upper
75 100
110 9.5 16.0 48.0#
77 0.0 25.8 38.6#

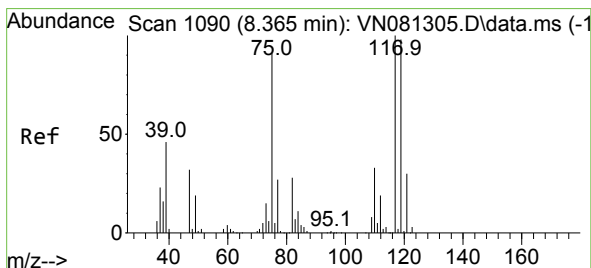
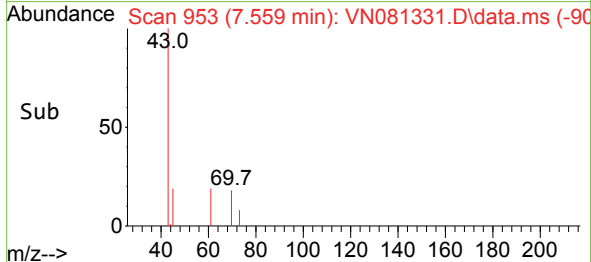
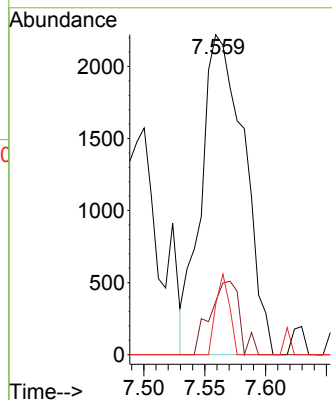
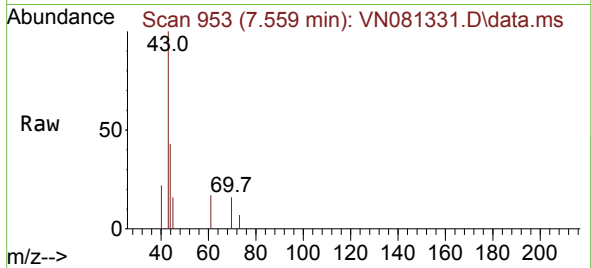




#37
Ethyl Acetate
Concen: 0.982 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

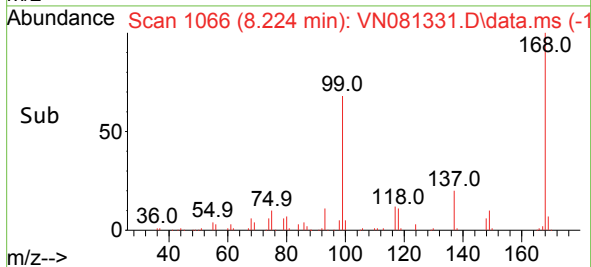
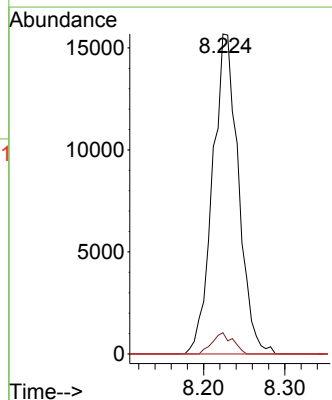
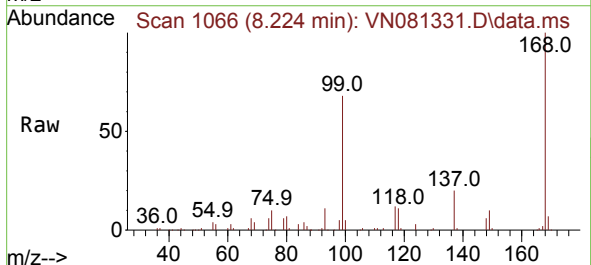
Instrument :
MSVOA_N
ClientSampleId :
TP-1

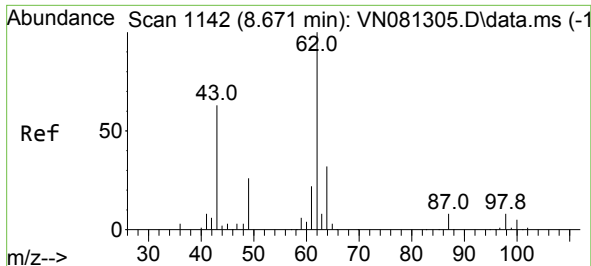
Tgt Ion: 43 Resp: 5459
Ion Ratio Lower Upper
43 100
61 15.8 10.6 15.8
70 8.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 6.046 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

Tgt Ion: 117 Resp: 34623
Ion Ratio Lower Upper
117 100
119 6.6 73.4 110.2#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.227 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN081331.D

Acq: 06 Mar 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

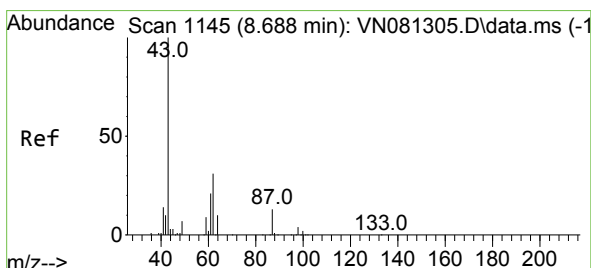
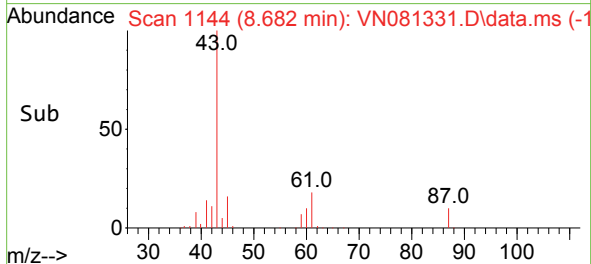
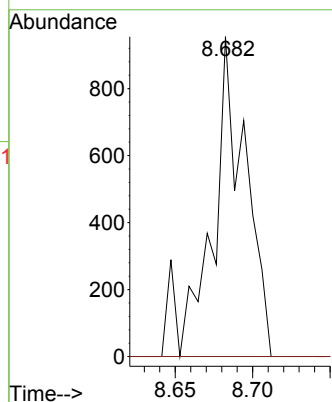
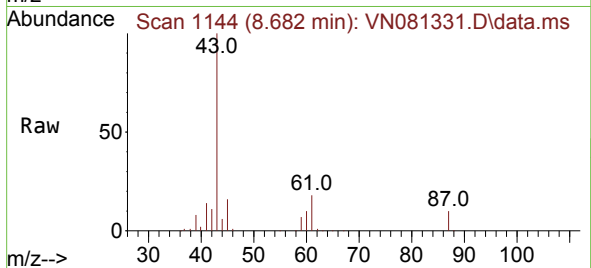
TP-1

Tgt Ion: 62 Resp: 1360

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 32.428 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN081331.D

Acq: 06 Mar 2024 17:03

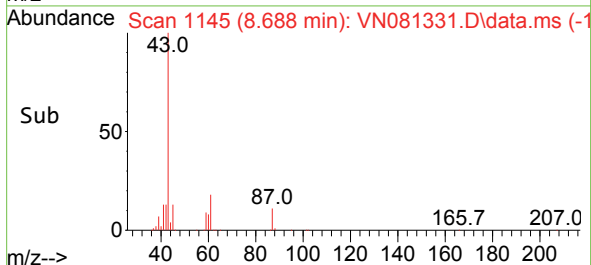
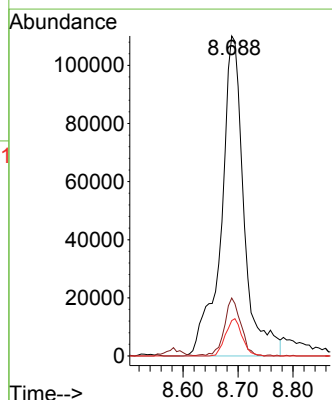
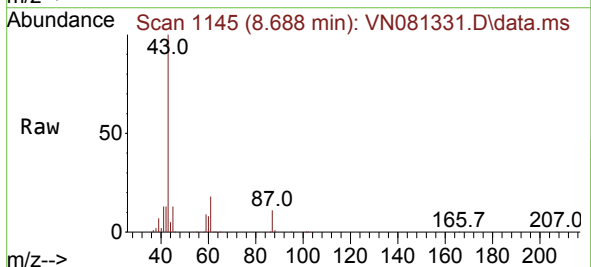
Tgt Ion: 43 Resp: 315683

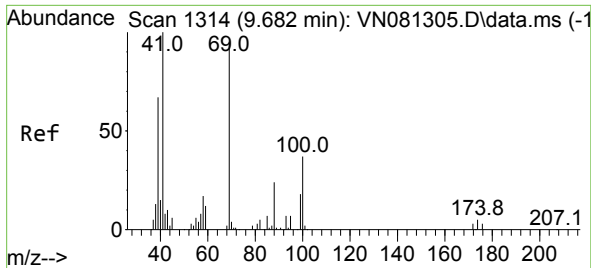
Ion Ratio Lower Upper

43 100

61 13.2 19.9 29.9#

87 8.5 9.0 13.6#

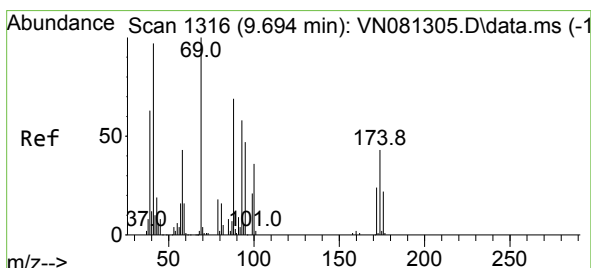
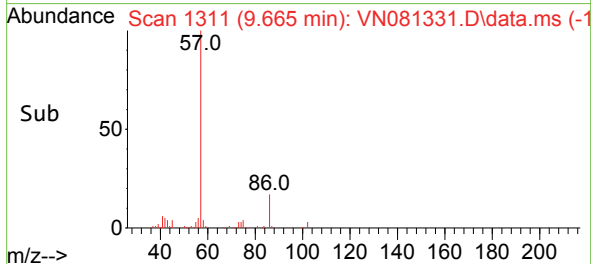
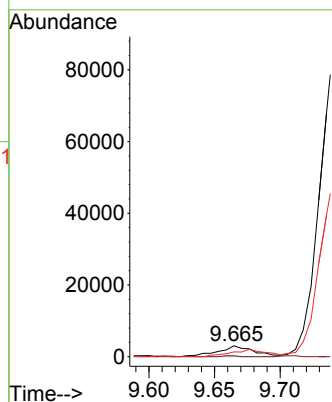
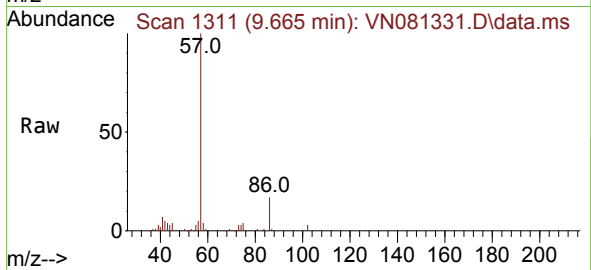




#48
Methyl methacrylate
Concen: 1.346 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

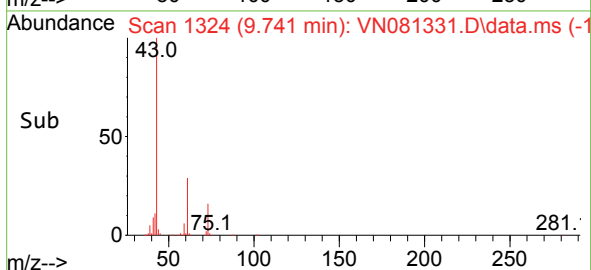
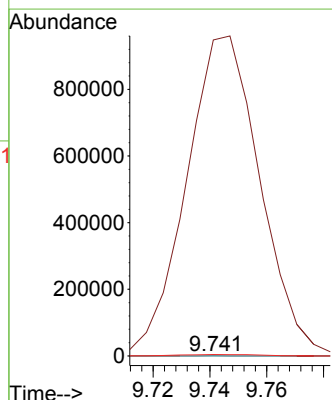
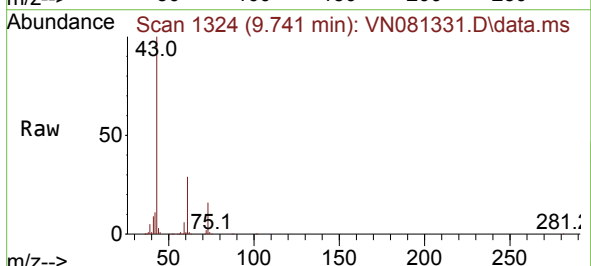
Instrument :
MSVOA_N
ClientSampleId :
TP-1

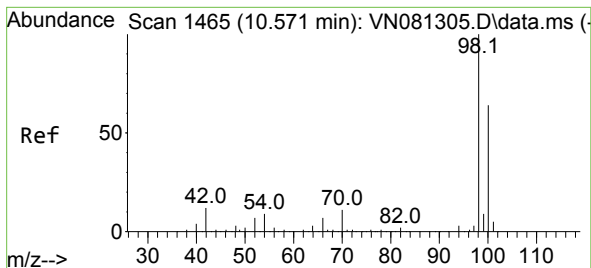
Tgt Ion: 41 Resp: 5792
Ion Ratio Lower Upper
41 100
69 3.3 62.2 93.2#
39 65.6 47.6 71.4



#49
1,4-Dioxane
Concen: 3.026 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

Tgt Ion: 88 Resp: 287
Ion Ratio Lower Upper
88 100
43 606588.5 30.1 45.1#
58 3076.3 63.9 95.9#





#50

Toluene-d8

Concen: 53.007 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081331.D

Acq: 06 Mar 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

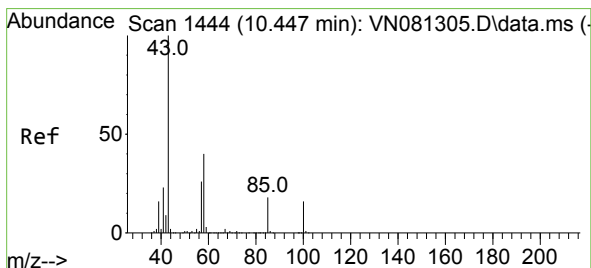
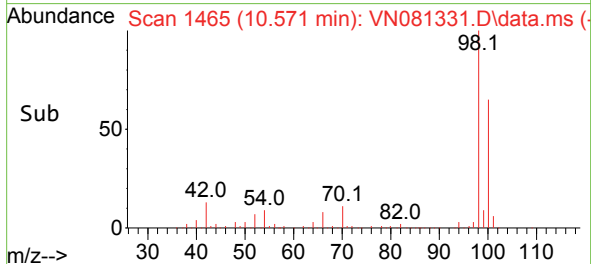
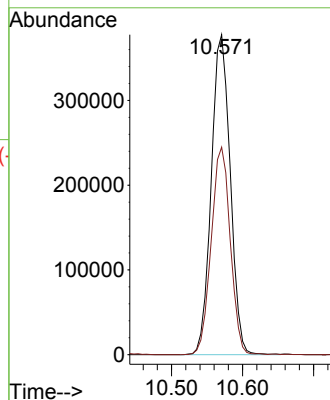
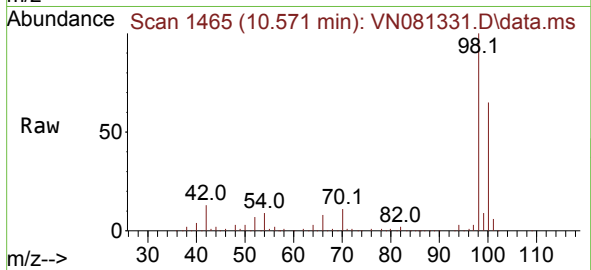
TP-1

Tgt Ion: 98 Resp: 698835

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 2.570 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN081331.D

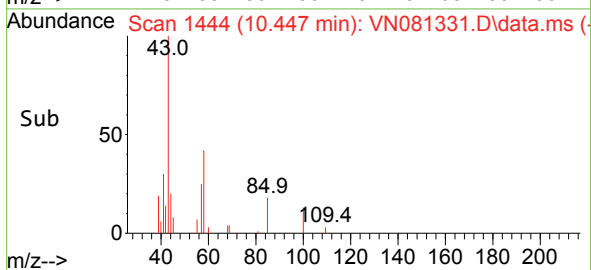
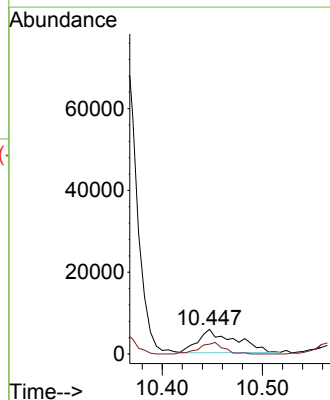
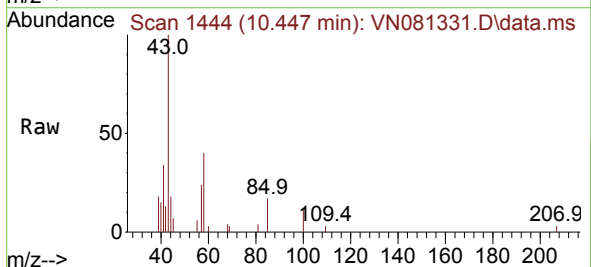
Acq: 06 Mar 2024 17:03

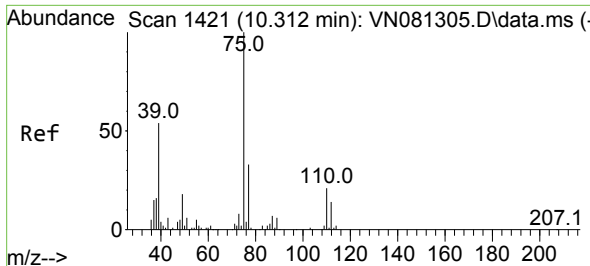
Tgt Ion: 43 Resp: 14528

Ion Ratio Lower Upper

43 100

58 32.4 29.4 44.0

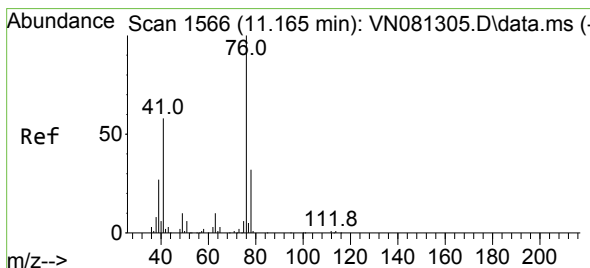
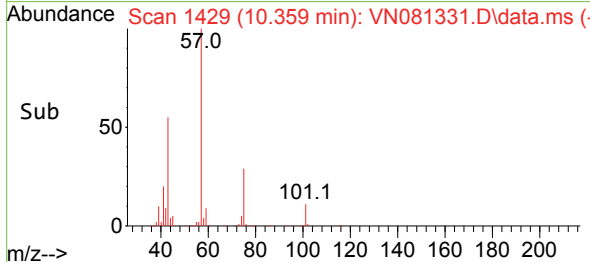
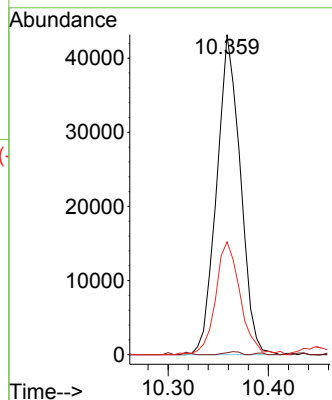
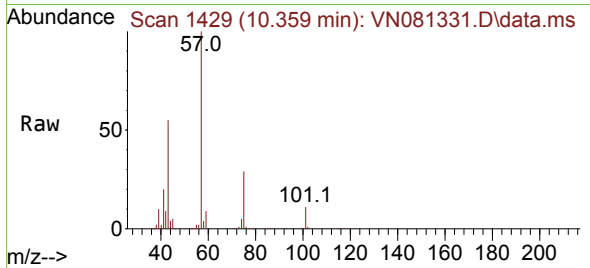




#54
 cis-1,3-Dichloropropene
 Concen: 10.382 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081331.D
 Acq: 06 Mar 2024 17:03

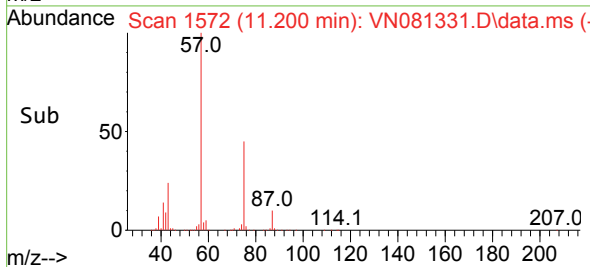
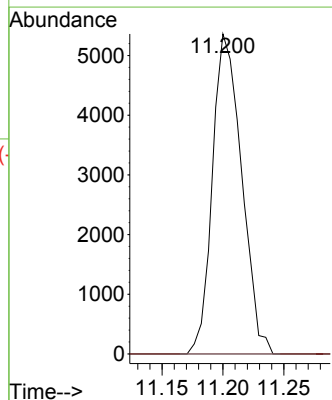
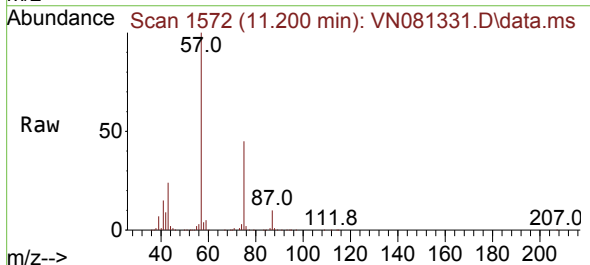
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

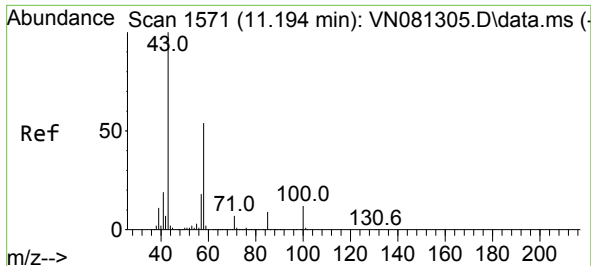
Tgt Ion: 75 Resp: 70789
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.3 34.9#
 39 34.8 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.257 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN081331.D
 Acq: 06 Mar 2024 17:03

Tgt Ion: 76 Resp: 8926
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

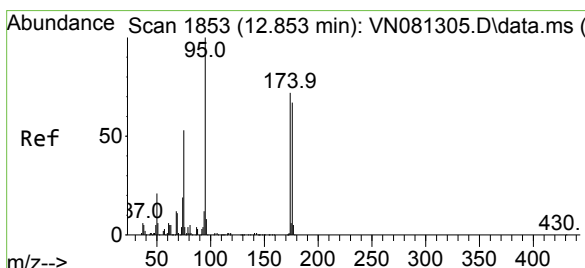
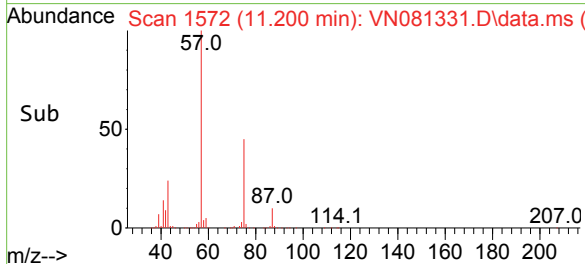
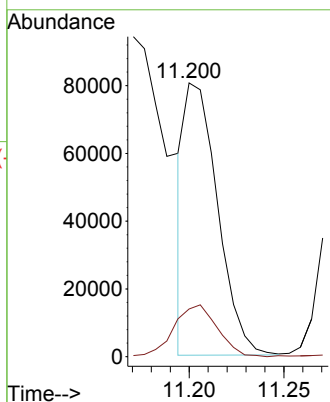
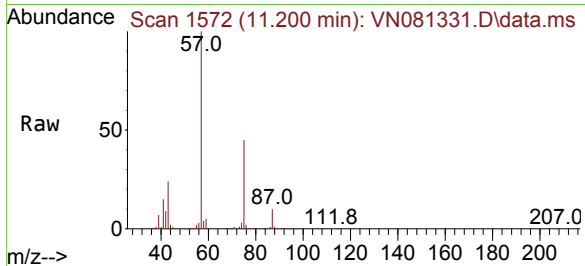




#59
2-Hexanone
Concen: 22.926 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

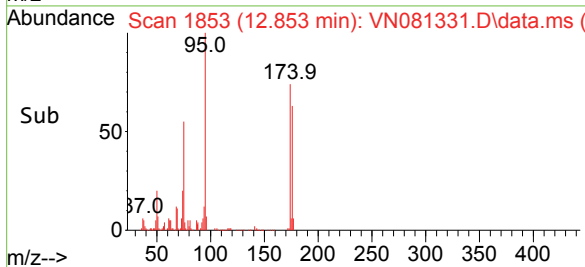
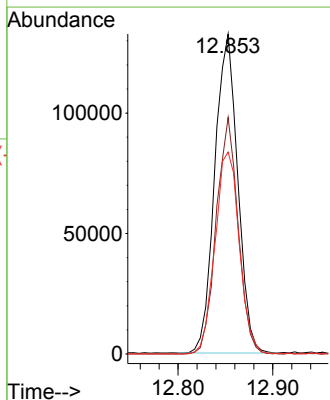
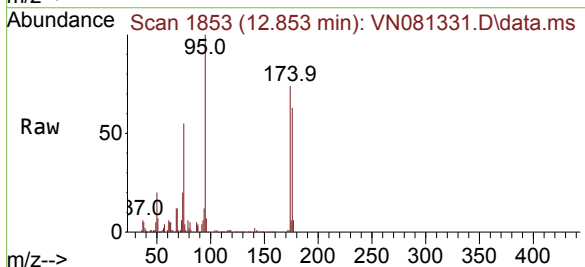
Instrument :
MSVOA_N
ClientSampleId :
TP-1

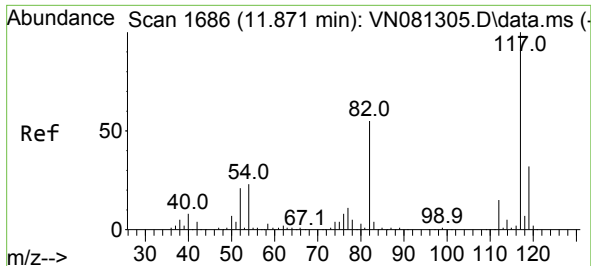
Tgt Ion: 43 Resp: 96880
Ion Ratio Lower Upper
43 100
58 25.3 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.890 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

Tgt Ion: 95 Resp: 223151
Ion Ratio Lower Upper
95 100
174 70.6 0.0 120.4
176 66.9 0.0 121.0

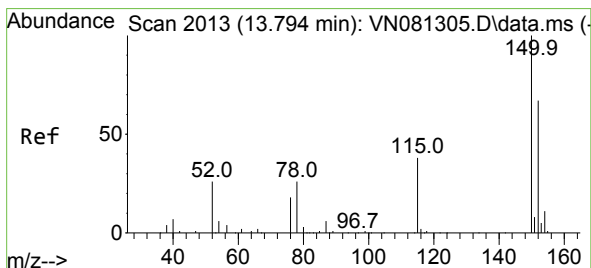
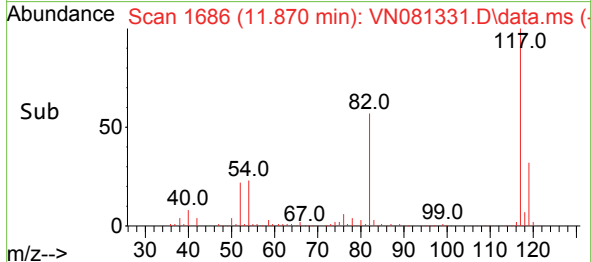
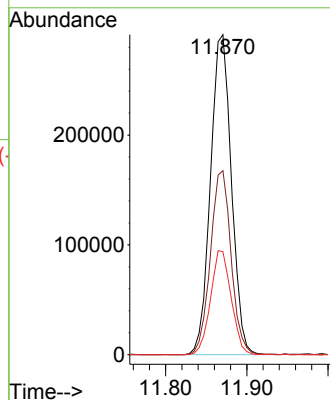
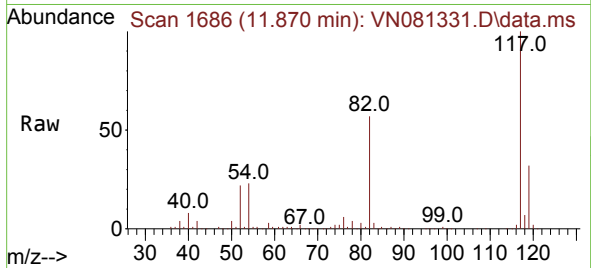




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

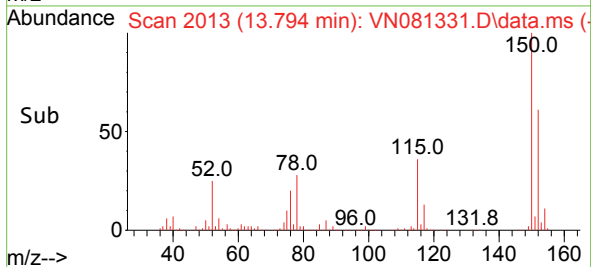
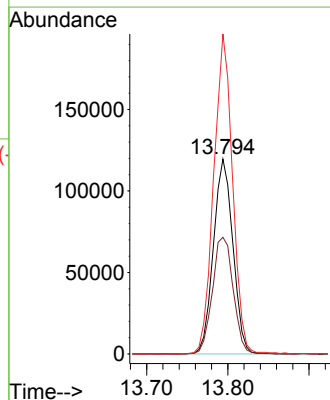
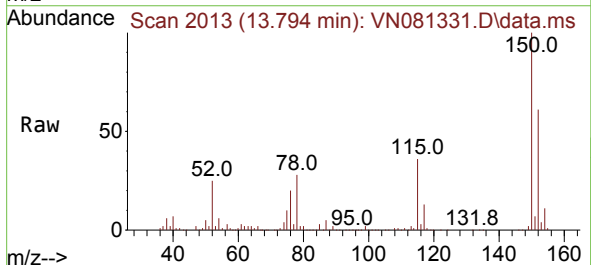
Instrument :
MSVOA_N
ClientSampleId :
TP-1

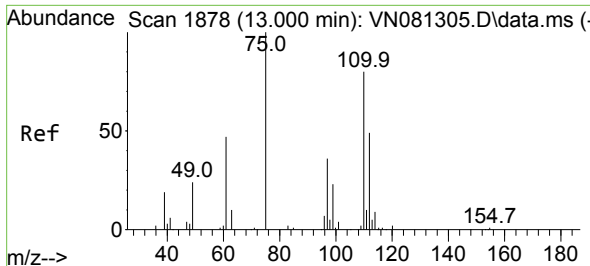
Tgt Ion:117 Resp: 521756
Ion Ratio Lower Upper
117 100
82 57.5 52.7 79.1
119 32.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

Tgt Ion:152 Resp: 199543
Ion Ratio Lower Upper
152 100
115 63.9 32.3 96.8
150 158.8 0.0 339.8

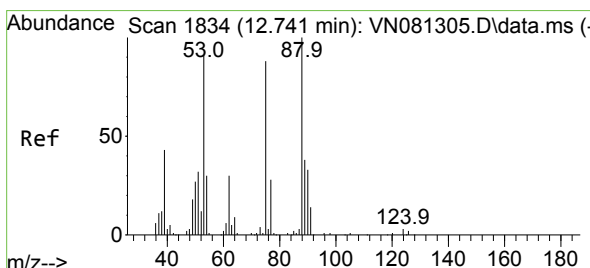
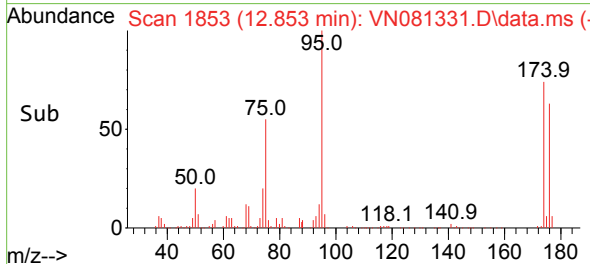
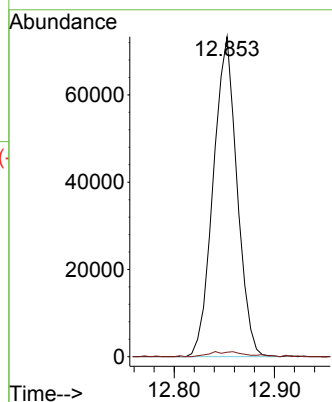
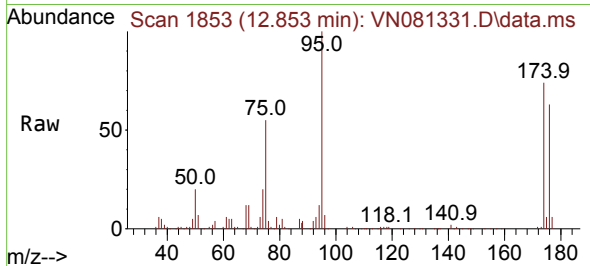




#76
1,2,3-Trichloropropane
Concen: 25.621 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

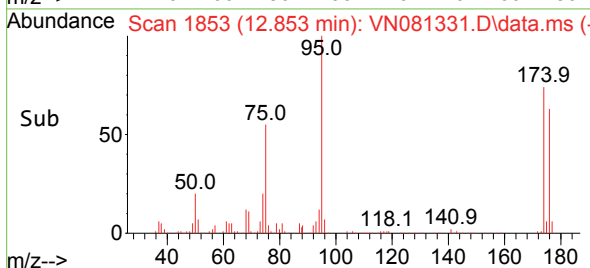
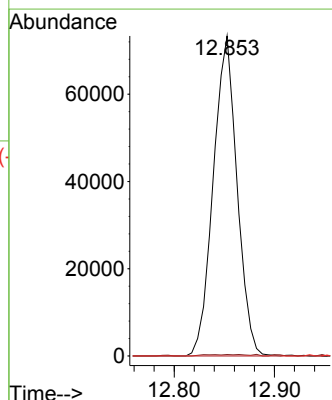
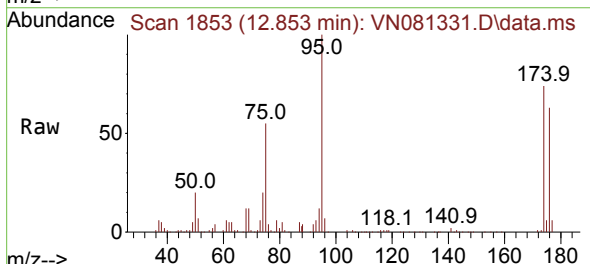
Instrument :
MSVOA_N
ClientSampleId :
TP-1

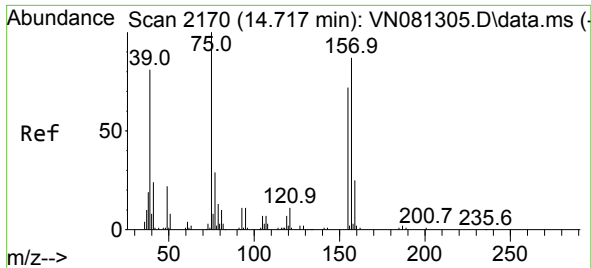
Tgt Ion: 75 Resp: 120757
Ion Ratio Lower Upper
75 100
77 2.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.505 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081331.D
Acq: 06 Mar 2024 17:03

Tgt Ion: 75 Resp: 120757
Ion Ratio Lower Upper
75 100
53 0.4 71.4 107.2#
89 0.0 33.4 50.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.582 ug/l
 RT: 14.700 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: VN081331.D
 Acq: 06 Mar 2024 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Tgt Ion: 75 Resp: 619
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.8 95.4#
 157 0.0 41.1 123.4#

