

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
 Data File : VN081320.D
 Acq On : 06 Mar 2024 12:37
 Operator : JC\MD
 Sample : PB159453ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159453ZHE#01

Quant Time: Mar 07 00:24:36 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)

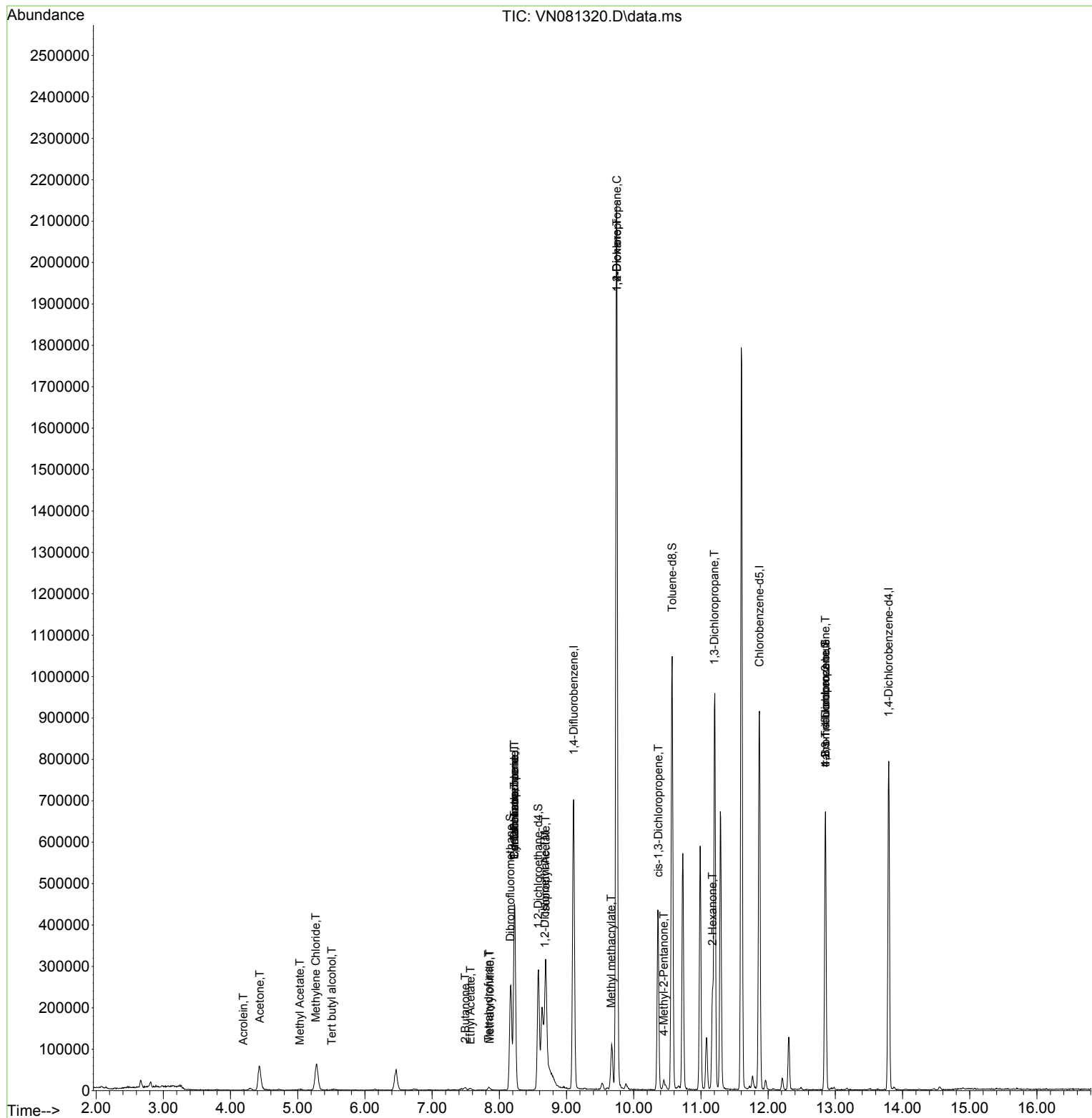
Internal Standards						
1) Pentafluorobenzene	8.224	168	307665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	585778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	522742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	235467	52.932	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.860%			
35) Dibromofluoromethane	8.165	113	183940	51.253	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.500%			
50) Toluene-d8	10.571	98	701380	52.279	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.560%			
62) 4-Bromofluorobenzene	12.853	95	224582	47.363	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.720%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.506	59	1548	1.990	ug/l #	92
13) Acrolein	4.189	56	883	0.959	ug/l	95
16) Acetone	4.436	43	112368	71.294	ug/l	99
18) Methyl Acetate	5.030	43	2577	0.571	ug/l	98
20) Methylene Chloride	5.271	84	50142	12.269	ug/l #	80
25) 2-Butanone	7.494	43	11873	4.498	ug/l #	88
29) Tetrahydrofuran	7.841	42	5453	3.030	ug/l	96
31) Cyclohexane	8.224	56	9583	1.423	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	30322	5.237	ug/l #	50
37) Ethyl Acetate	7.571	43	6785	1.199	ug/l #	90
38) Carbon Tetrachloride	8.224	117	36654	6.290	ug/l #	19
41) Methacrylonitrile	7.859	41	2888	0.904	ug/l #	50
42) 1,2-Dichloroethane	8.677	62	2131	0.350	ug/l #	75
43) Isopropyl Acetate	8.688	43	429409	43.347	ug/l #	79
45) 1,2-Dichloropropane	9.747	63	2660	0.613	ug/l #	42
48) Methyl methacrylate	9.665	41	7174	1.638	ug/l #	45
49) 1,4-Dioxane	9.747	88	434	4.497	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	21668	3.767	ug/l #	82
54) cis-1,3-Dichloropropene	10.365	75	76124	10.971	ug/l #	64
57) 1,3-Dichloropropane	11.200	76	9881	1.368	ug/l #	45
59) 2-Hexanone	11.171	43	182821	42.514	ug/l #	26
76) 1,2,3-Trichloropropane	12.853	75	124169	26.049	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	124169	72.697	ug/l #	14

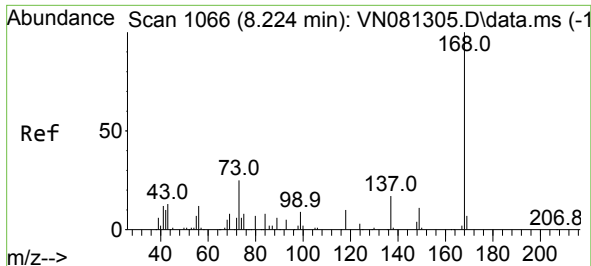
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
Data File : VN081320.D
Acq On : 06 Mar 2024 12:37
Operator : JC\MD
Sample : PB159453ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

Quant Time: Mar 07 00:24:36 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

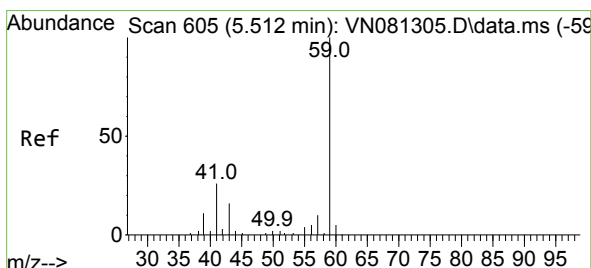
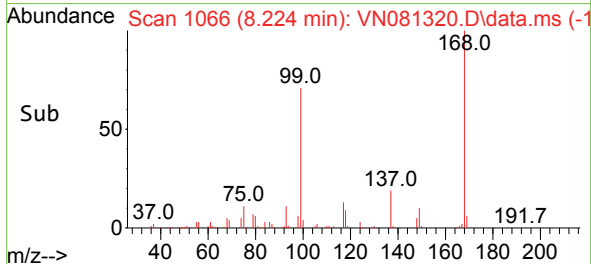
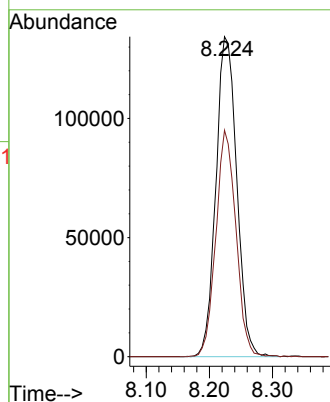
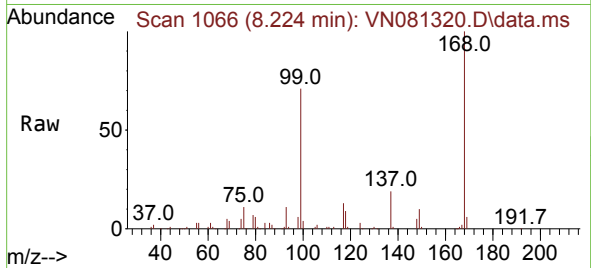




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

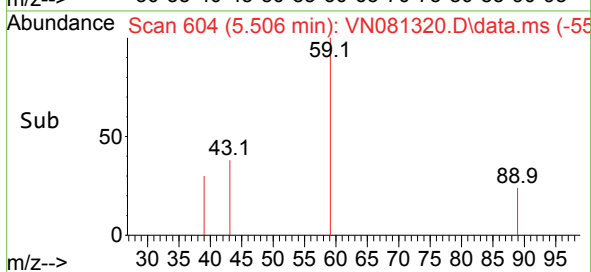
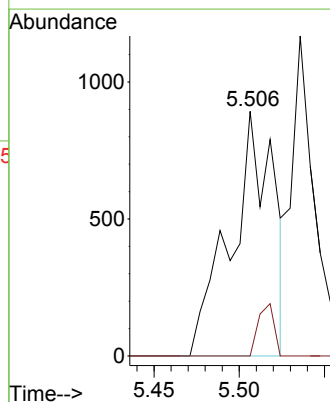
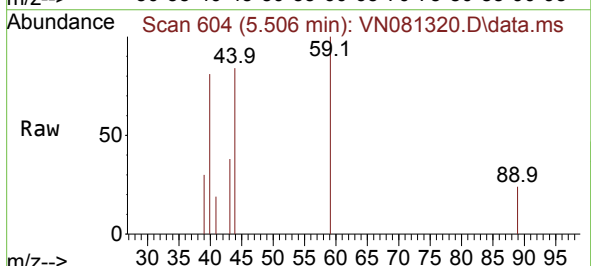
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

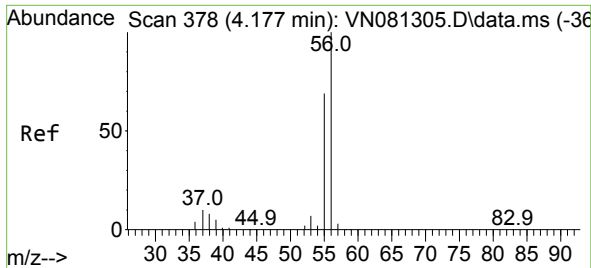
Tgt Ion:168 Resp: 307665
Ion Ratio Lower Upper
168 100
99 70.8 59.9 89.9



#11
Tert butyl alcohol
Concen: 1.990 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

Tgt Ion: 59 Resp: 1548
Ion Ratio Lower Upper
59 100
57 7.8 8.6 12.8#

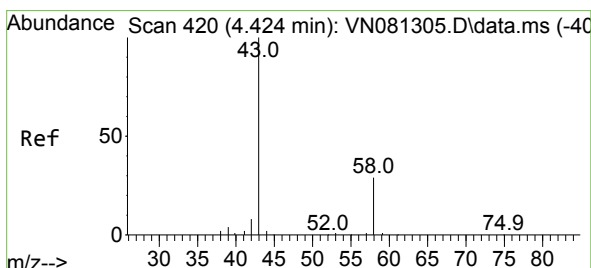
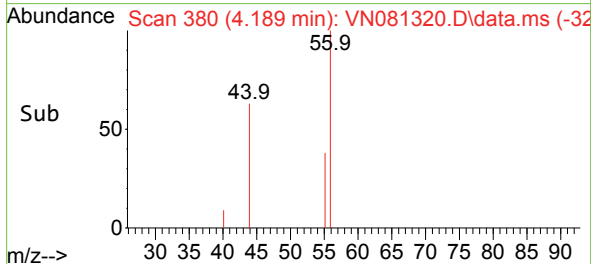
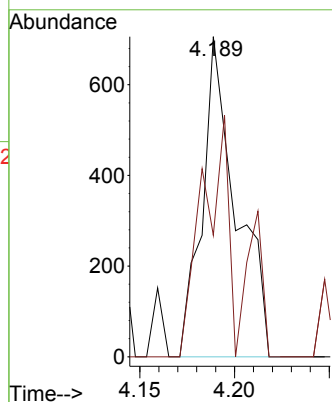
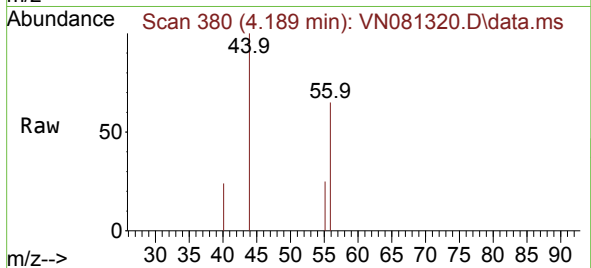




#13
Acrolein
Concen: 0.959 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

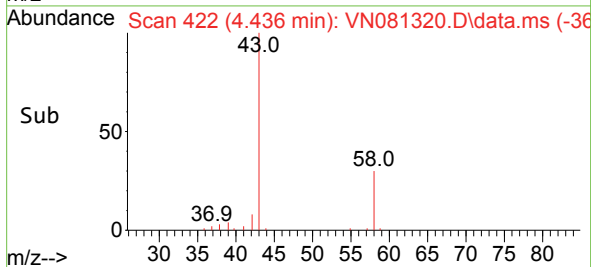
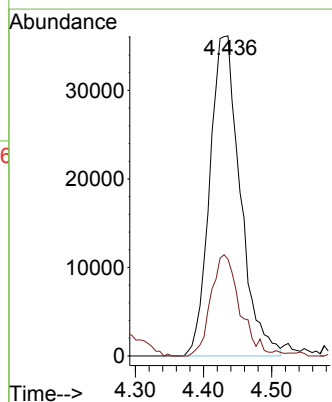
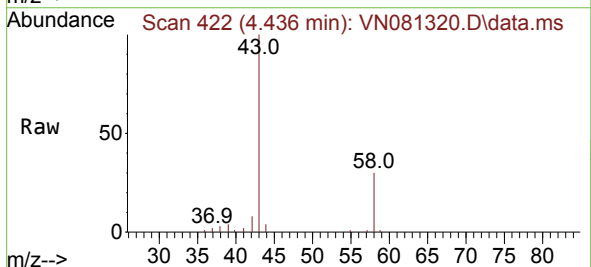
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

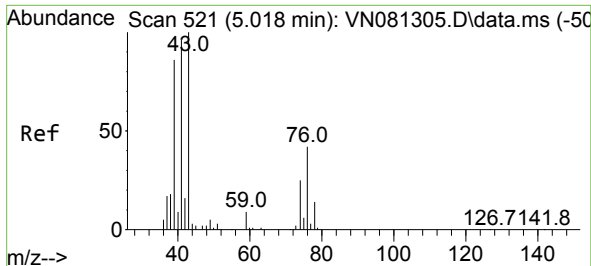
Tgt Ion: 56 Resp: 883
Ion Ratio Lower Upper
56 100
55 64.7 55.3 82.9



#16
Acetone
Concen: 71.294 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

Tgt Ion: 43 Resp: 112368
Ion Ratio Lower Upper
43 100
58 30.2 24.8 37.2

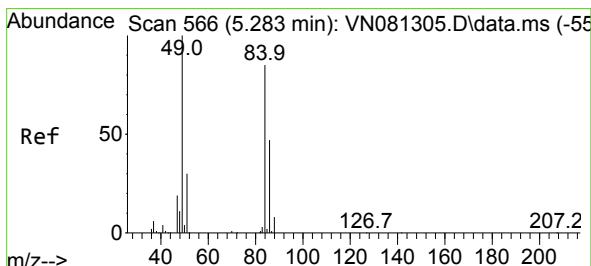
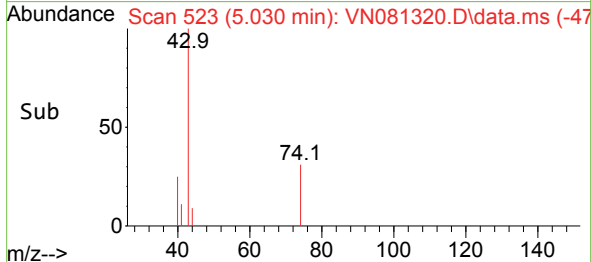
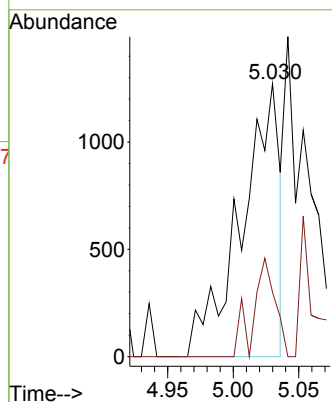
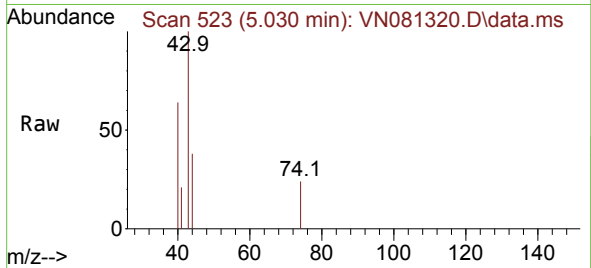




#18
Methyl Acetate
Concen: 0.571 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

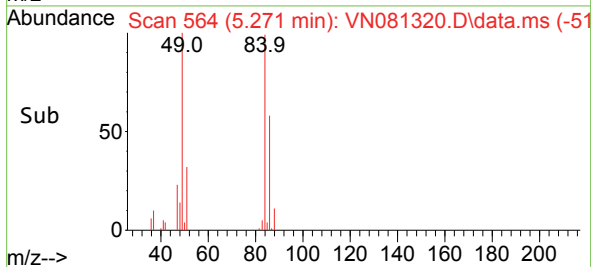
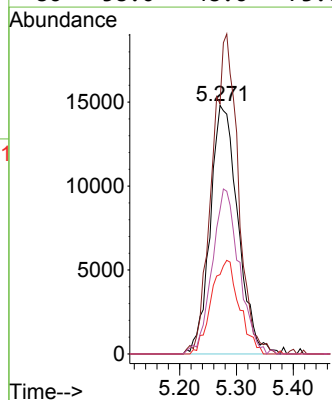
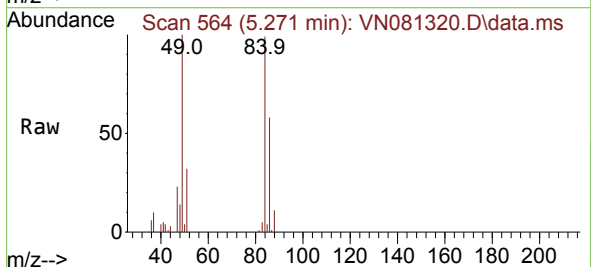
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

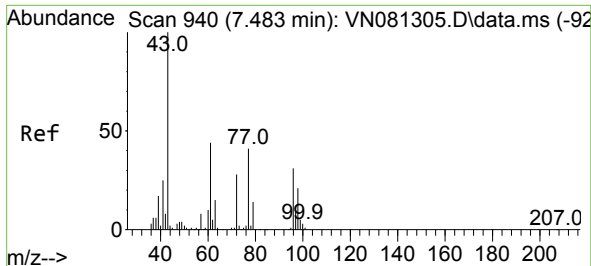
Tgt Ion: 43 Resp: 2577
Ion Ratio Lower Upper
43 100
74 20.8 17.3 25.9



#20
Methylene Chloride
Concen: 12.269 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.012 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

Tgt Ion: 84 Resp: 50142
Ion Ratio Lower Upper
84 100
49 100.7 108.1 162.1#
51 32.0 32.9 49.3#
86 58.0 48.6 73.0

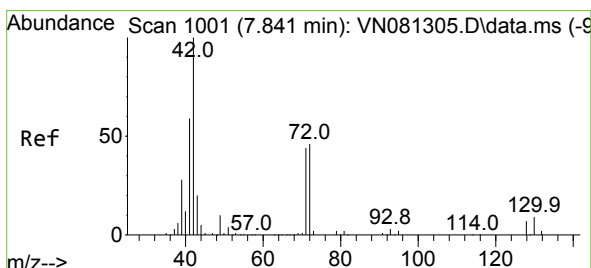
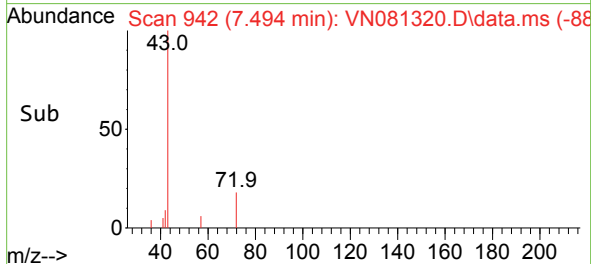
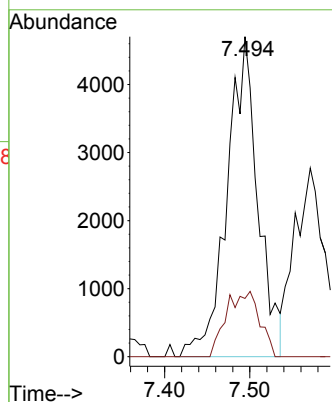
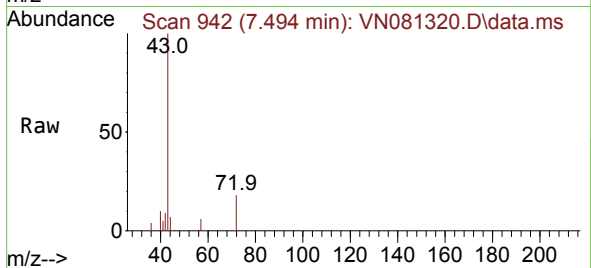




#25
2-Butanone
Concen: 4.498 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

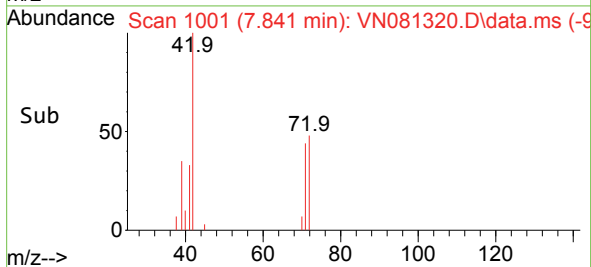
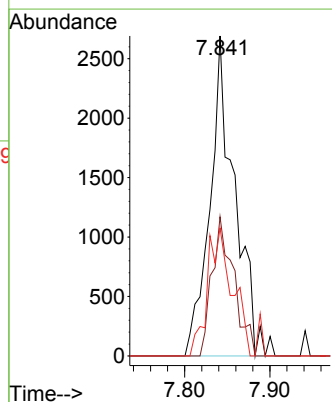
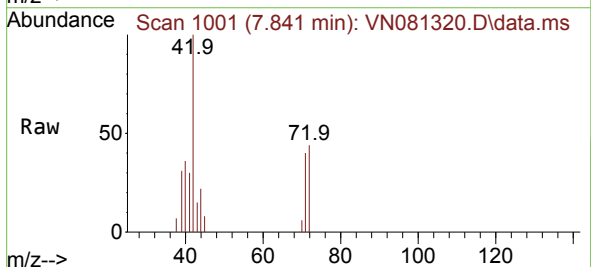
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

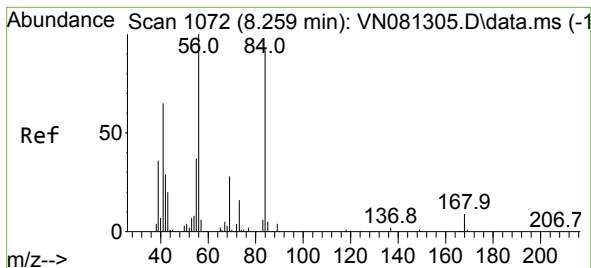
Tgt Ion: 43 Resp: 11873
Ion Ratio Lower Upper
43 100
72 18.2 19.5 29.3#



#29
Tetrahydrofuran
Concen: 3.030 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

Tgt Ion: 42 Resp: 5453
Ion Ratio Lower Upper
42 100
72 38.2 31.1 46.7
71 40.0 28.3 42.5





#31

Cyclohexane

Concen: 1.423 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081320.D

Acq: 06 Mar 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

PB159453ZHE#01

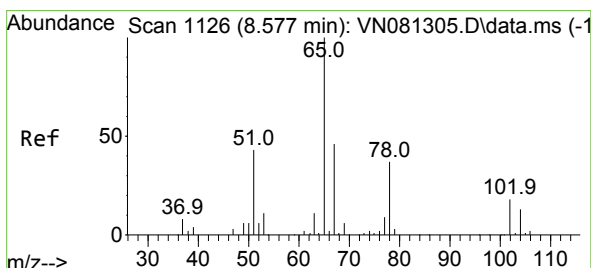
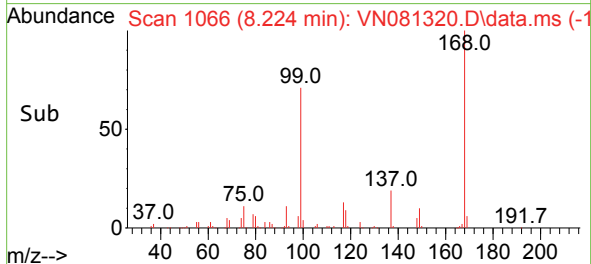
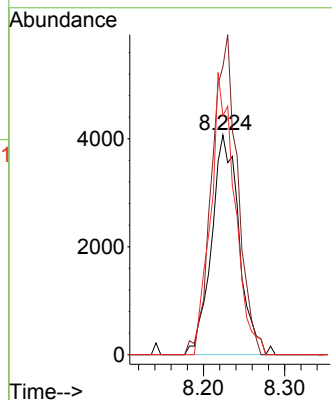
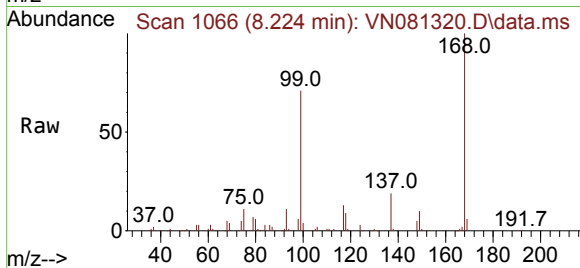
Tgt Ion: 56 Resp: 9583

Ion Ratio Lower Upper

56 100

69 131.1 20.1 30.1#

84 108.9 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 52.932 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081320.D

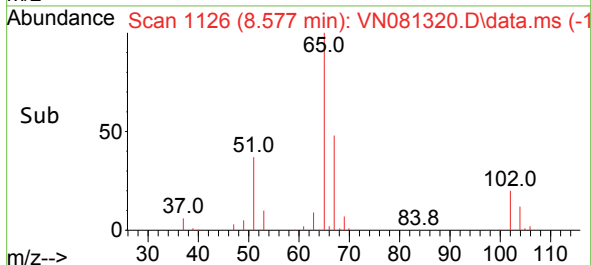
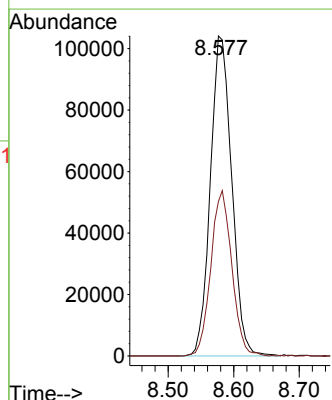
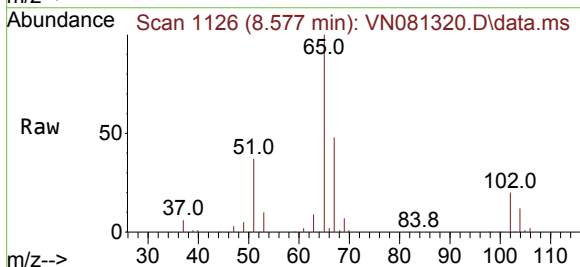
Acq: 06 Mar 2024 12:37

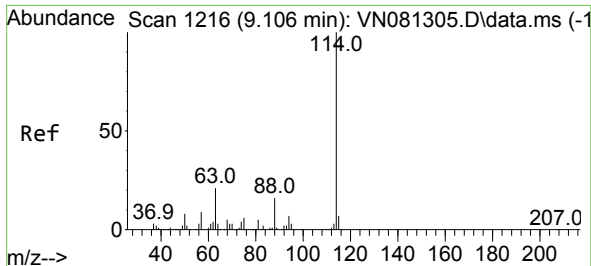
Tgt Ion: 65 Resp: 235467

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.4

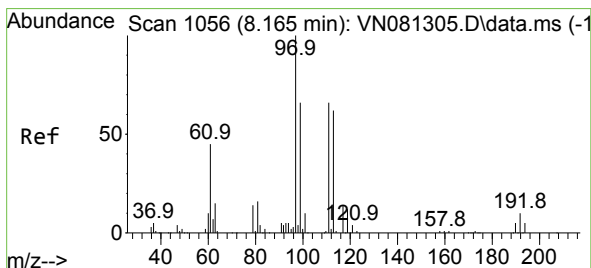
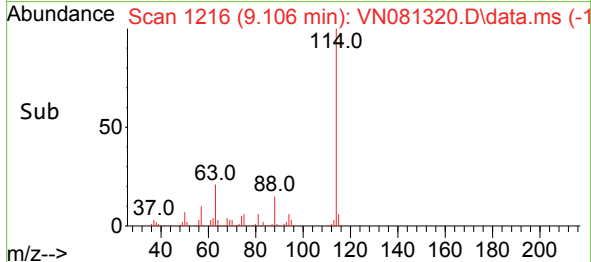
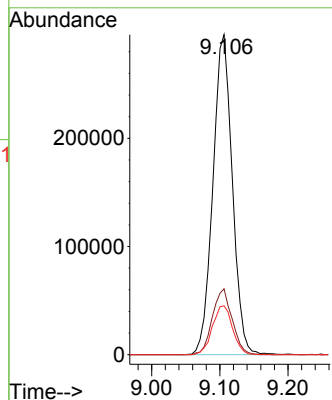
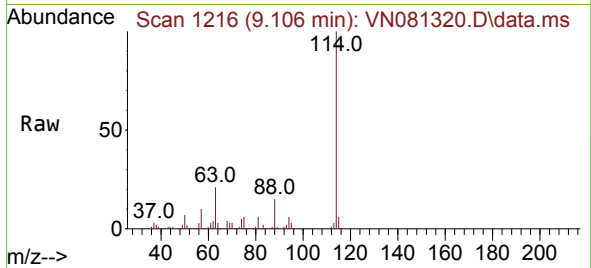




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

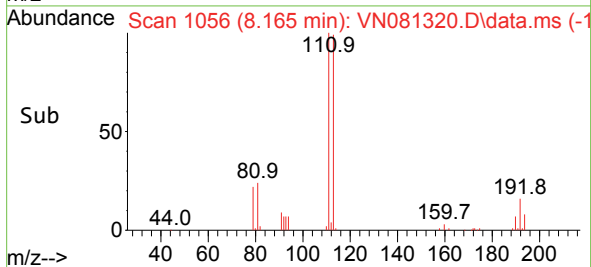
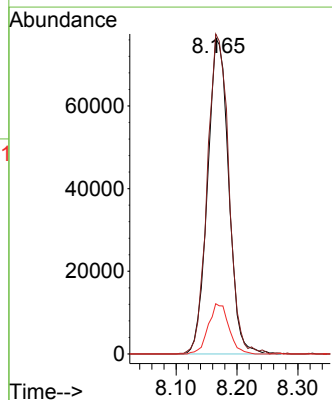
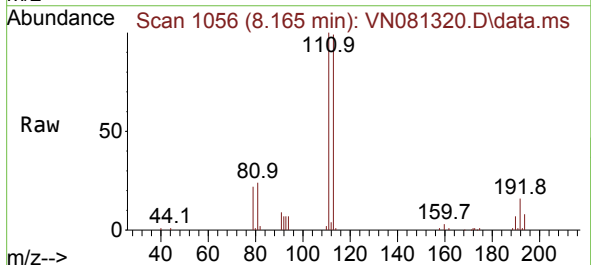
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

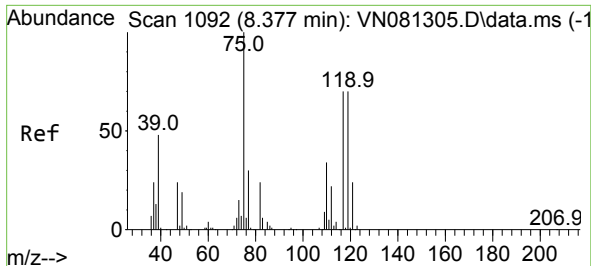
Tgt Ion:114 Resp: 585778
Ion Ratio Lower Upper
114 100
63 20.6 0.0 48.0
88 15.2 0.0 34.8



#35
Dibromofluoromethane
Concen: 51.253 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

Tgt Ion:113 Resp: 183940
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 15.4 12.5 18.7

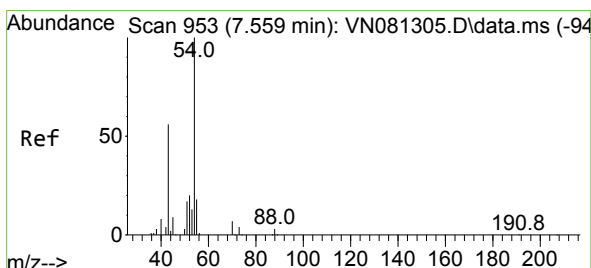
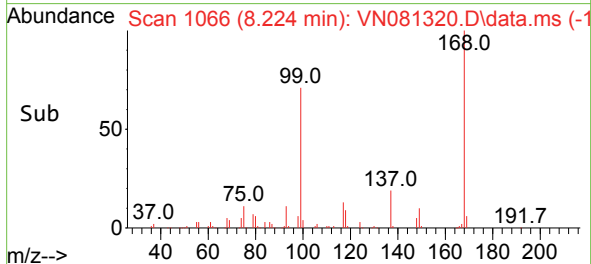
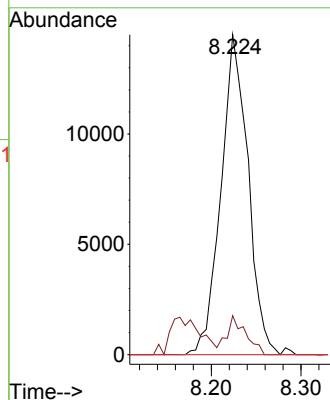
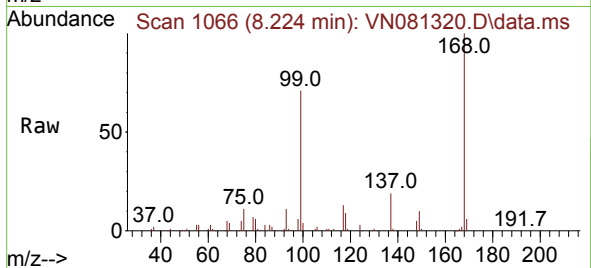




#36
1,1-Dichloropropene
Concen: 5.237 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

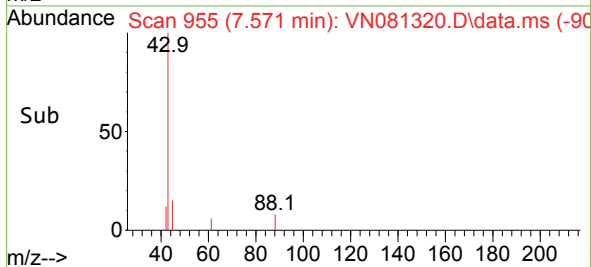
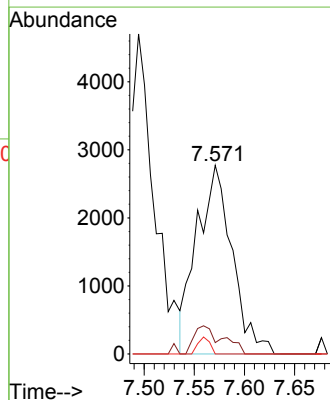
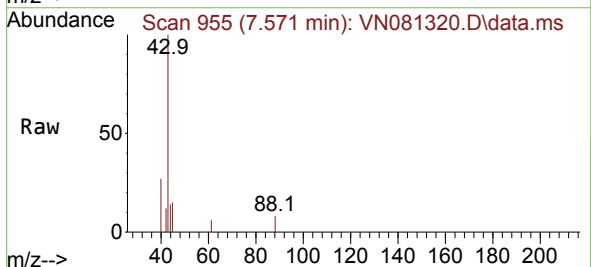
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

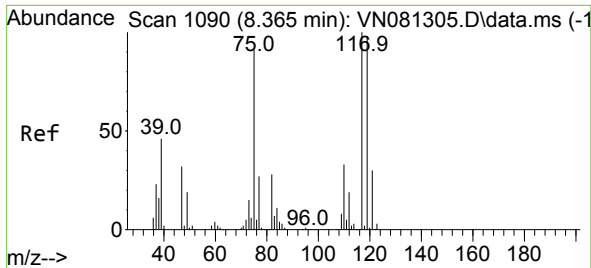
Tgt Ion: 75 Resp: 30322
Ion Ratio Lower Upper
75 100
110 8.6 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.199 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

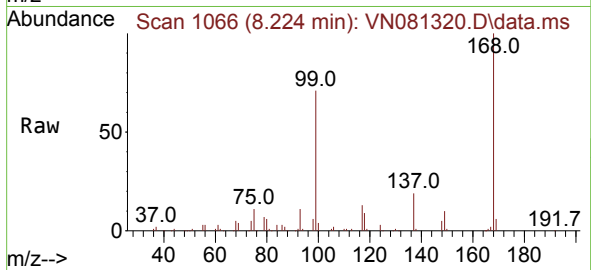
Tgt Ion: 43 Resp: 6785
Ion Ratio Lower Upper
43 100
61 12.0 10.6 15.8
70 3.0 8.0 12.0#



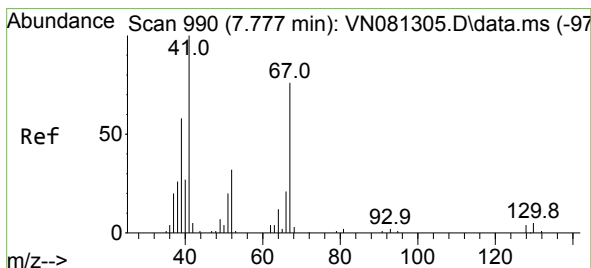
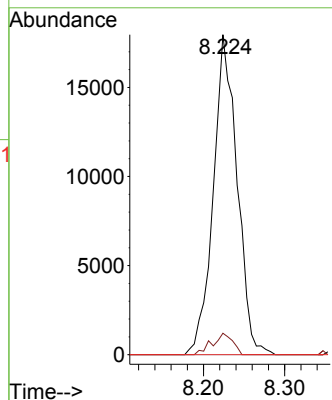
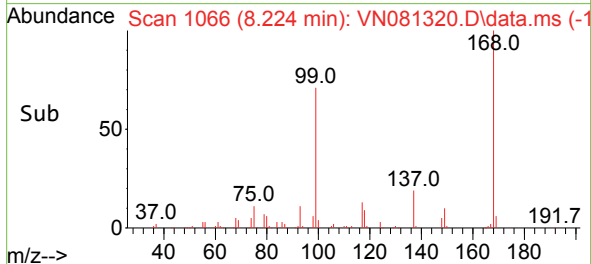


#38
Carbon Tetrachloride
Concen: 6.290 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

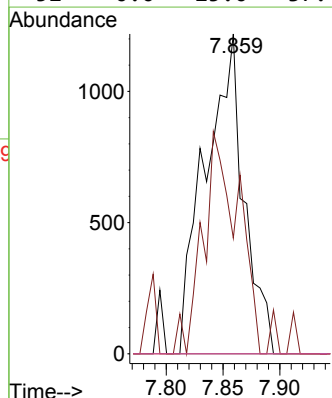
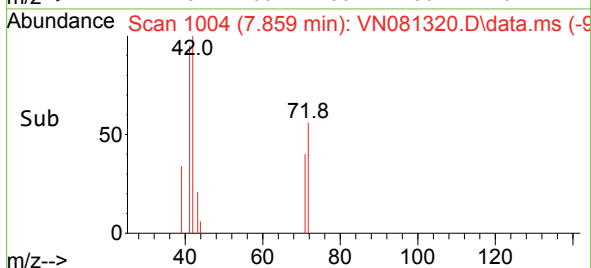
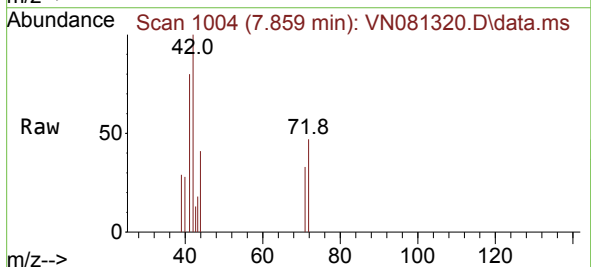


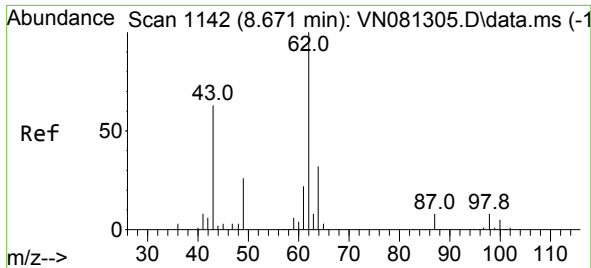
Tgt Ion:117 Resp: 36654
Ion Ratio Lower Upper
117 100
119 6.7 73.4 110.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.904 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.082 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

Tgt Ion: 41 Resp: 2888
Ion Ratio Lower Upper
41 100
39 63.7 48.4 72.6
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#





#42

1,2-Dichloroethane

Concen: 0.350 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN081320.D

Acq: 06 Mar 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

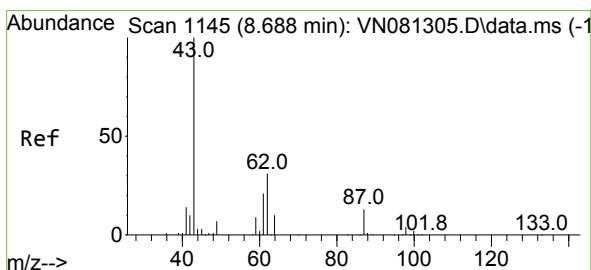
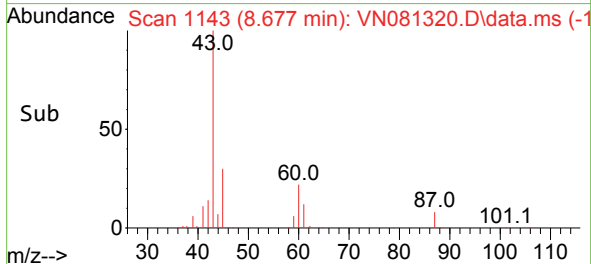
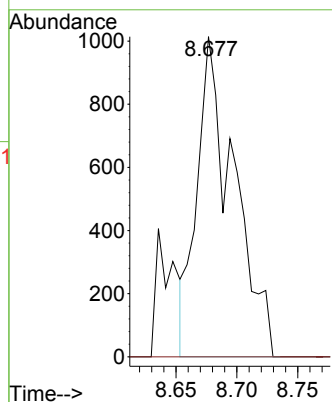
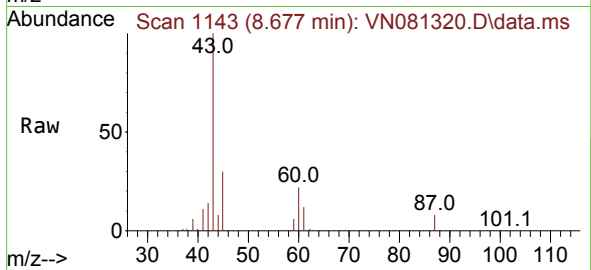
PB159453ZHE#01

Tgt Ion: 62 Resp: 2131

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 43.347 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081320.D

Acq: 06 Mar 2024 12:37

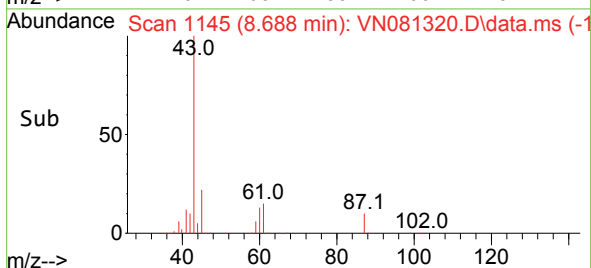
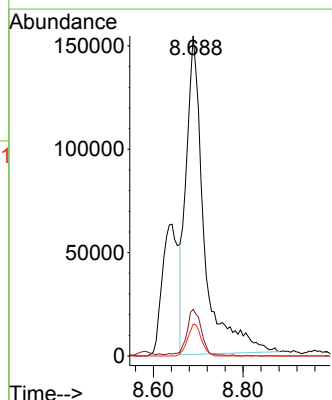
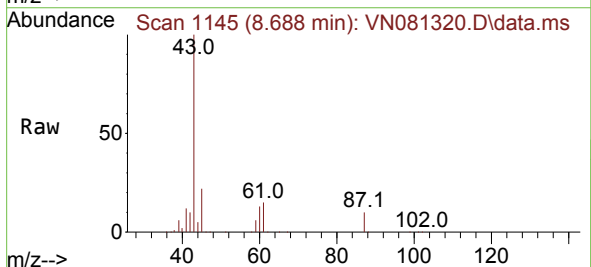
Tgt Ion: 43 Resp: 429409

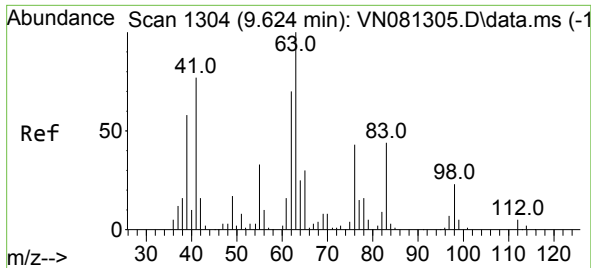
Ion Ratio Lower Upper

43 100

61 11.8 19.9 29.9#

87 7.6 9.0 13.6#

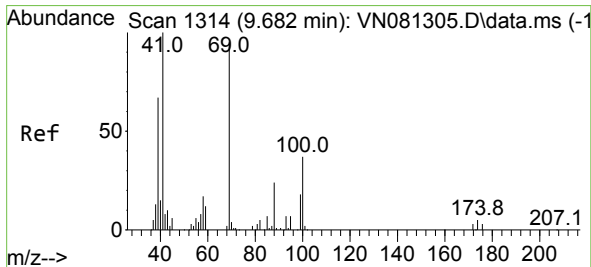
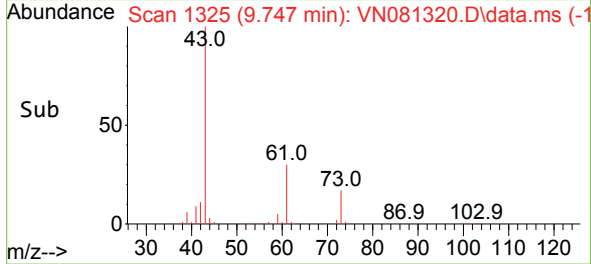
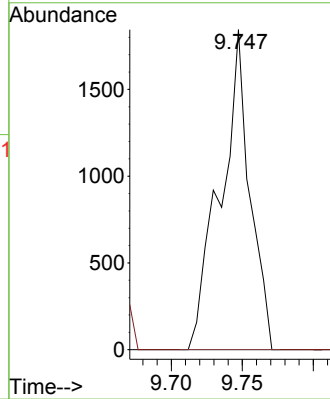
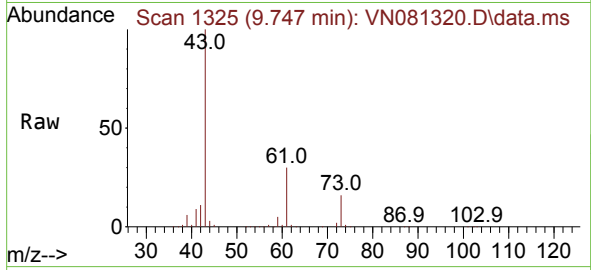




#45
1,2-Dichloropropane
Concen: 0.613 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.124 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

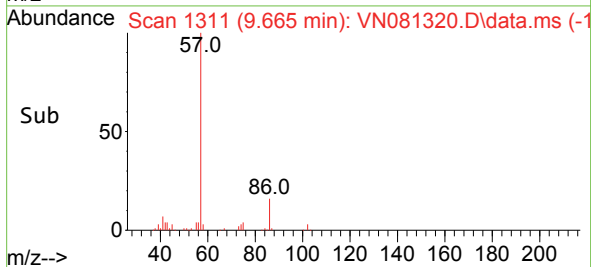
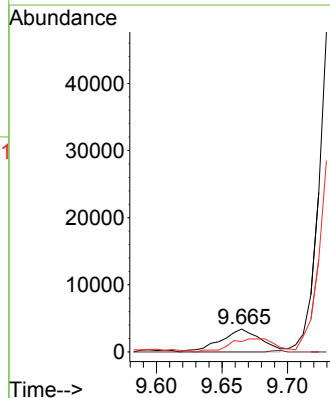
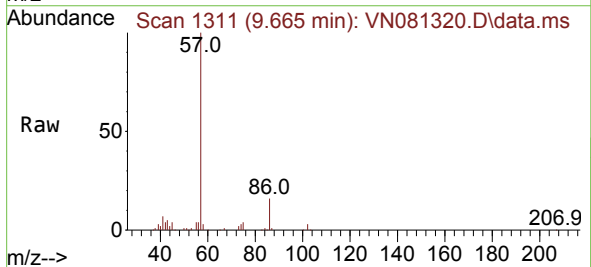
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

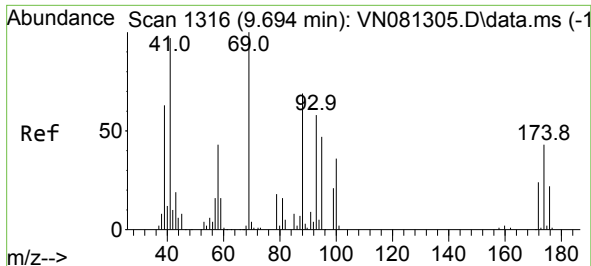
Tgt Ion: 63 Resp: 2660
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.638 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

Tgt Ion: 41 Resp: 7174
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 66.7 47.6 71.4





#49

1,4-Dioxane

Concen: 4.497 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN081320.D

Acq: 06 Mar 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

PB159453ZHE#01

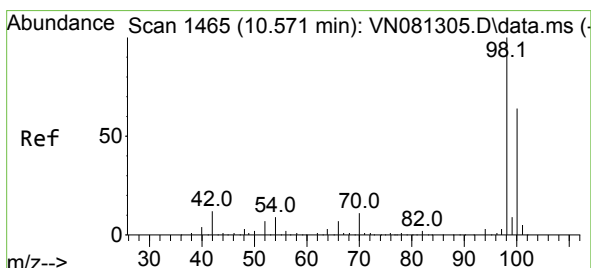
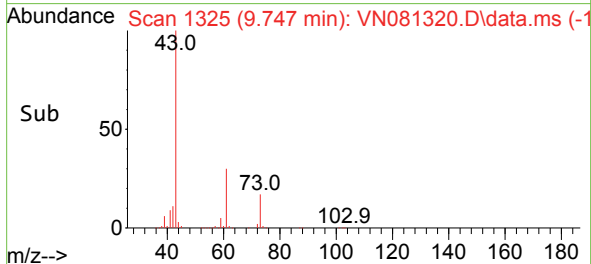
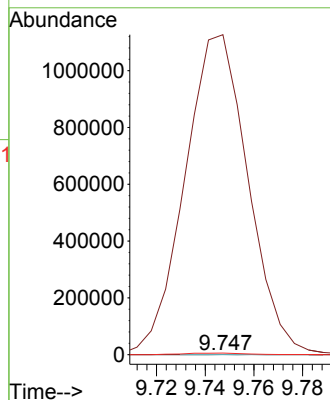
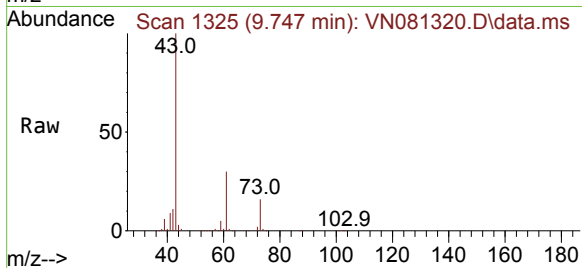
Tgt Ion: 88 Resp: 434

Ion Ratio Lower Upper

88 100

43 471043.5 30.1 45.1#

58 2425.3 63.9 95.9#



#50

Toluene-d8

Concen: 52.279 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081320.D

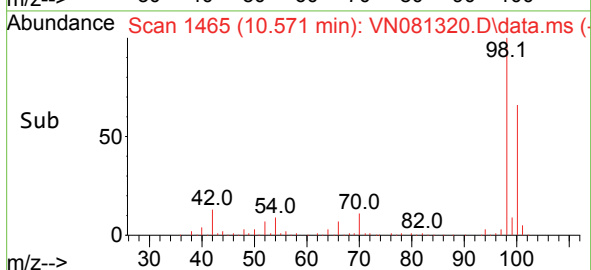
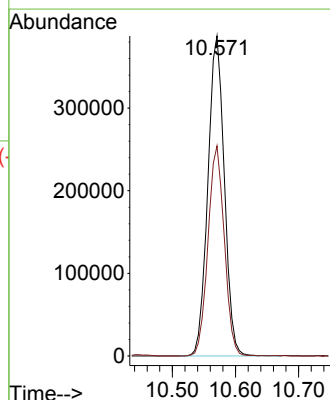
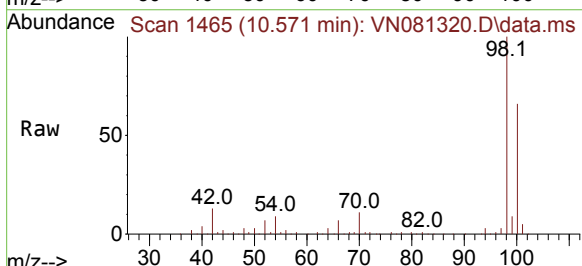
Acq: 06 Mar 2024 12:37

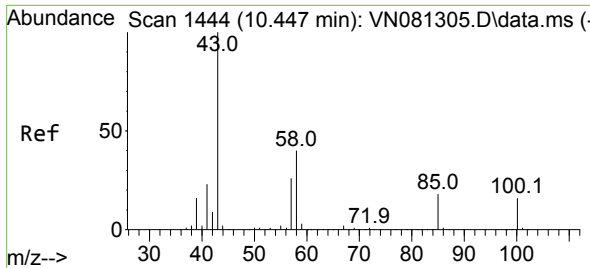
Tgt Ion: 98 Resp: 701380

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0

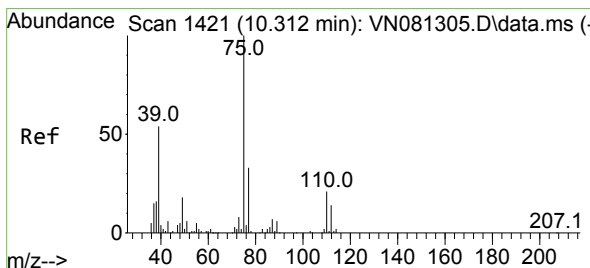
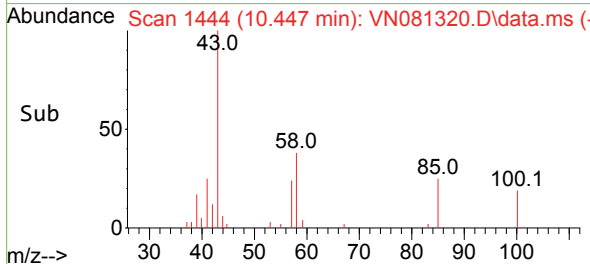
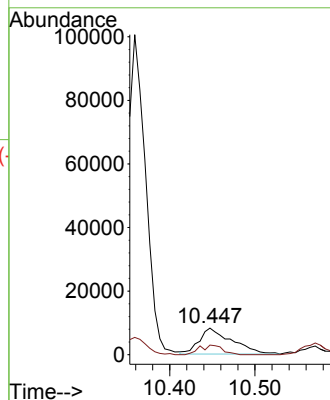
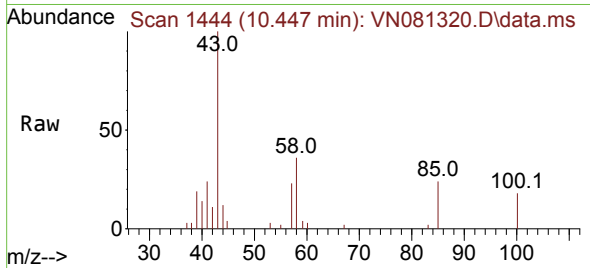




#51
4-Methyl-2-Pentanone
Concen: 3.767 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

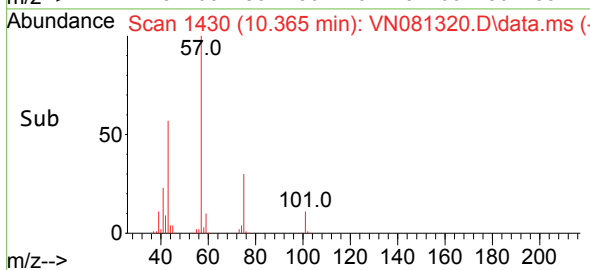
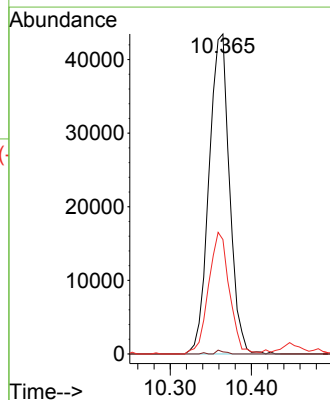
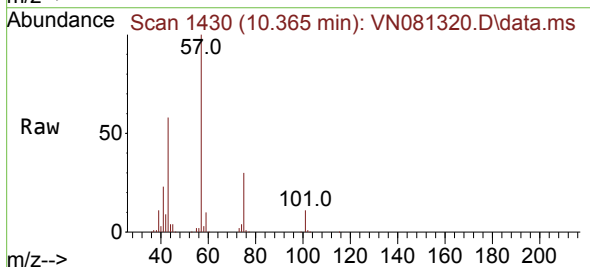
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

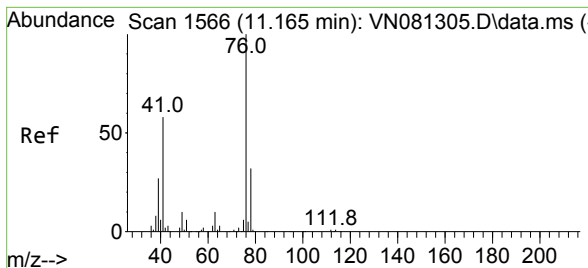
Tgt Ion: 43 Resp: 21668
Ion Ratio Lower Upper
43 100
58 26.1 29.4 44.0#



#54
cis-1,3-Dichloropropene
Concen: 10.971 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.053 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

Tgt Ion: 75 Resp: 76124
Ion Ratio Lower Upper
75 100
77 0.6 23.3 34.9#
39 35.7 44.6 66.8#

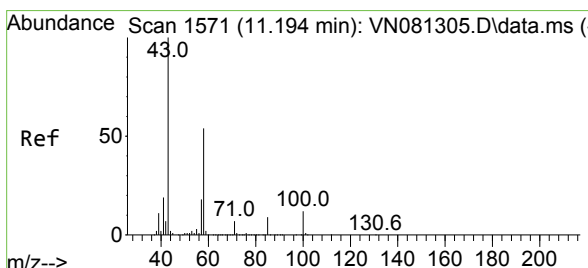
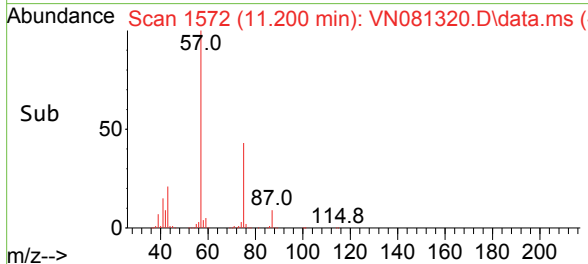
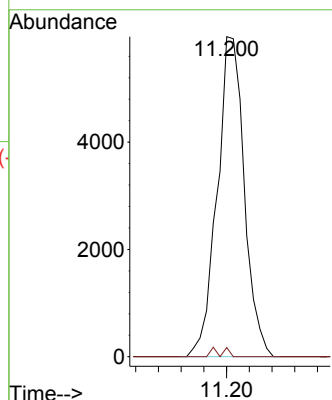
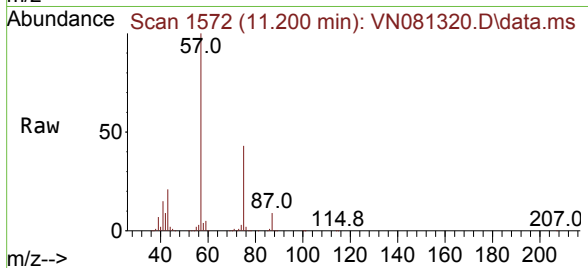




#57
1,3-Dichloropropane
Concen: 1.368 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

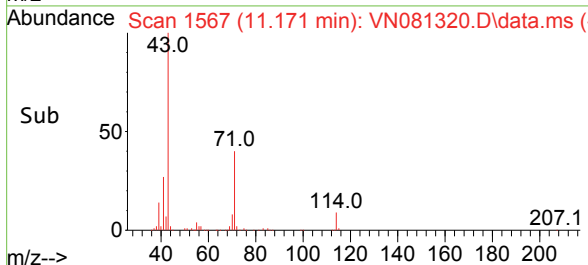
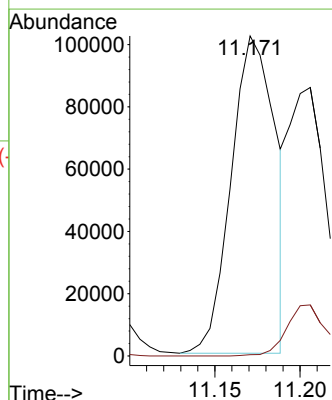
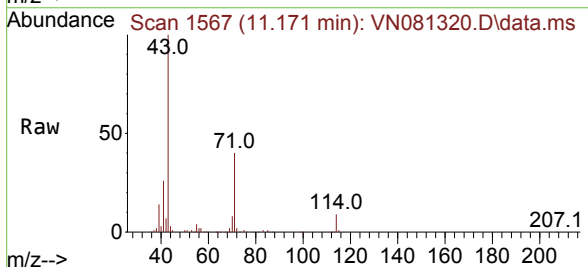
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

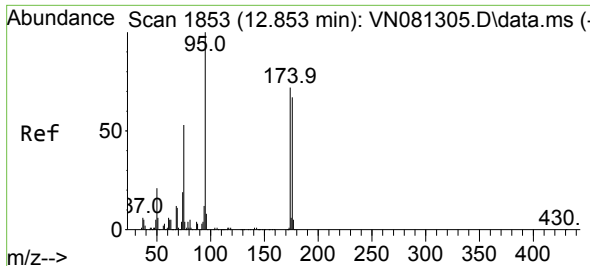
Tgt Ion: 76 Resp: 9881
Ion Ratio Lower Upper
76 100
78 1.2 25.5 38.3#



#59
2-Hexanone
Concen: 42.514 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

Tgt Ion: 43 Resp: 182821
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

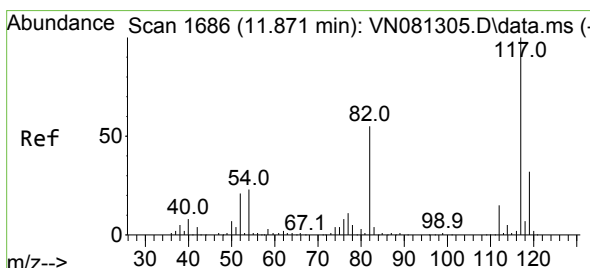
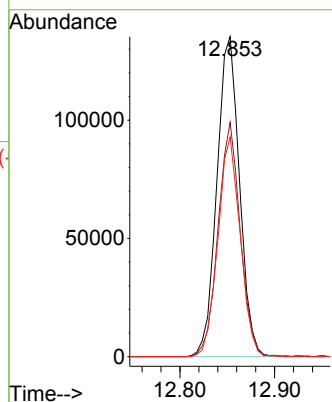
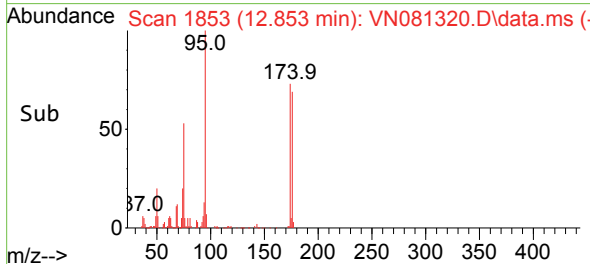
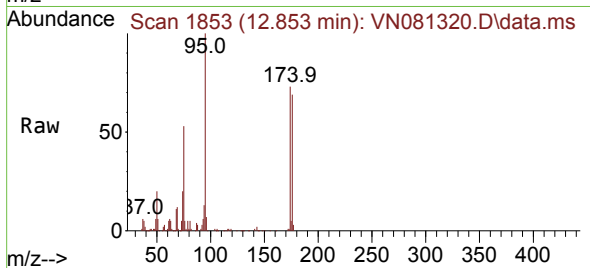




#62
4-Bromofluorobenzene
Concen: 47.363 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

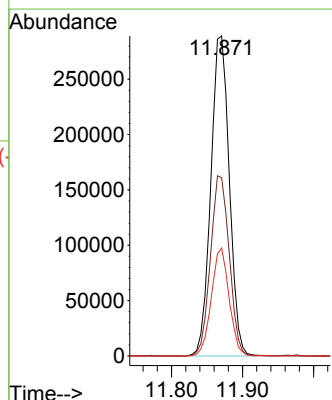
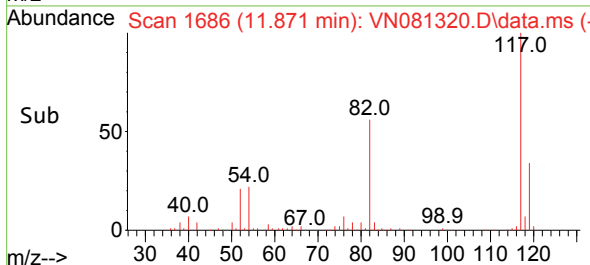
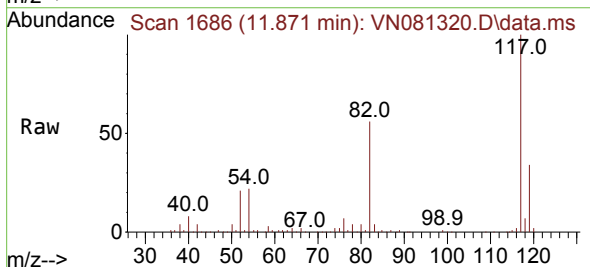
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#01

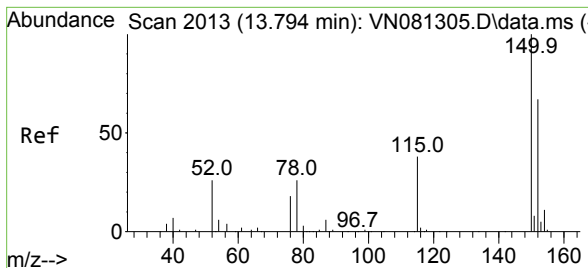
Tgt Ion: 95 Resp: 224582
Ion Ratio Lower Upper
95 100
174 71.6 0.0 120.4
176 67.7 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN081320.D
Acq: 06 Mar 2024 12:37

Tgt Ion: 117 Resp: 522742
Ion Ratio Lower Upper
117 100
82 55.7 52.7 79.1
119 33.7 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: VN081320.D

Acq: 06 Mar 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

PB159453ZHE#01

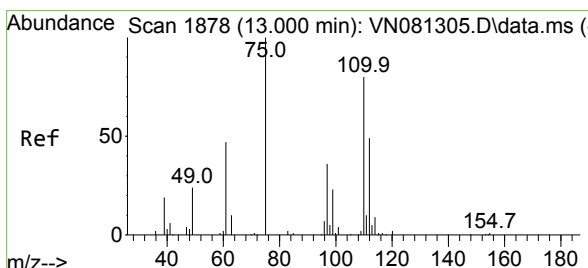
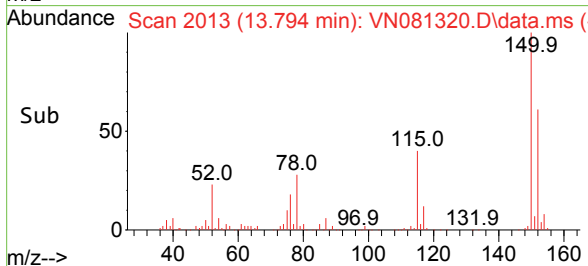
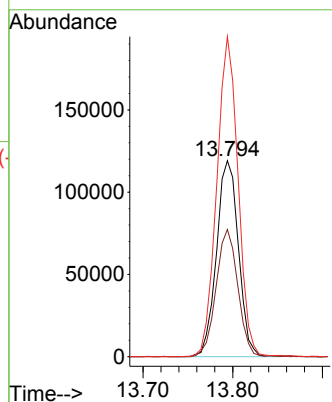
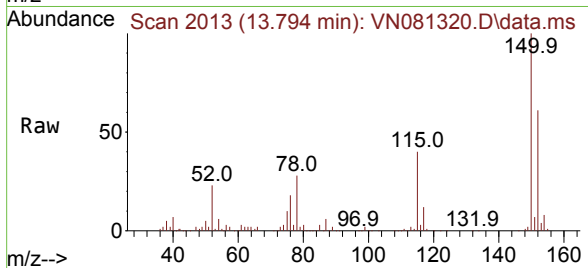
Tgt Ion:152 Resp: 201815

Ion Ratio Lower Upper

152 100

115 64.5 32.3 96.8

150 158.7 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 26.049 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN081320.D

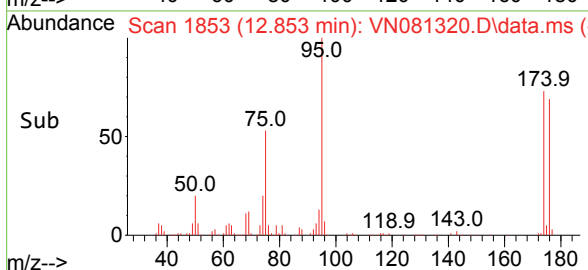
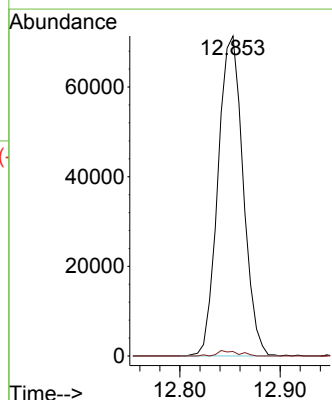
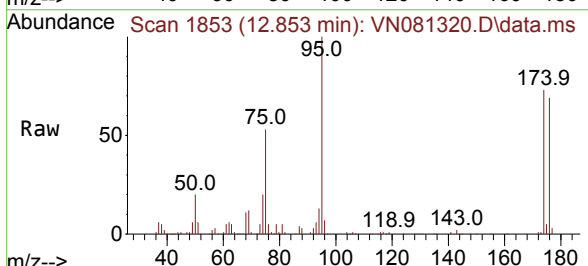
Acq: 06 Mar 2024 12:37

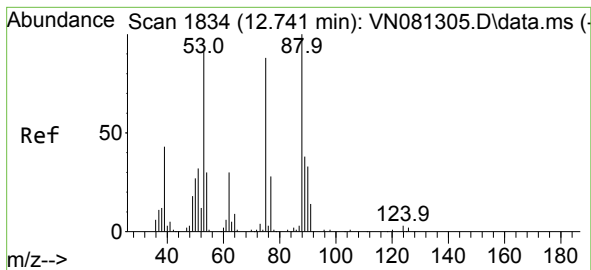
Tgt Ion: 75 Resp: 124169

Ion Ratio Lower Upper

75 100

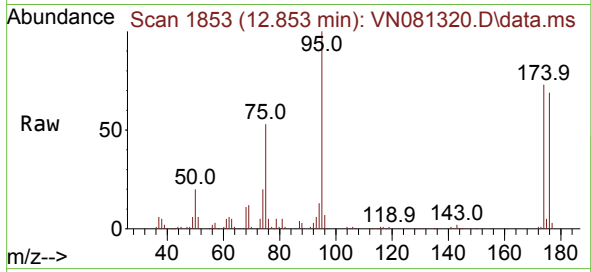
77 1.4 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.697 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081320.D
 Acq: 06 Mar 2024 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159453ZHE#01



Tgt Ion: 75 Resp: 124169
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.1 33.4 50.0#

