

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
 Data File : VN081322.D
 Acq On : 06 Mar 2024 13:26
 Operator : JC\MD
 Sample : PB159453ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159453ZHE#03

Quant Time: Mar 07 00:25:28 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)

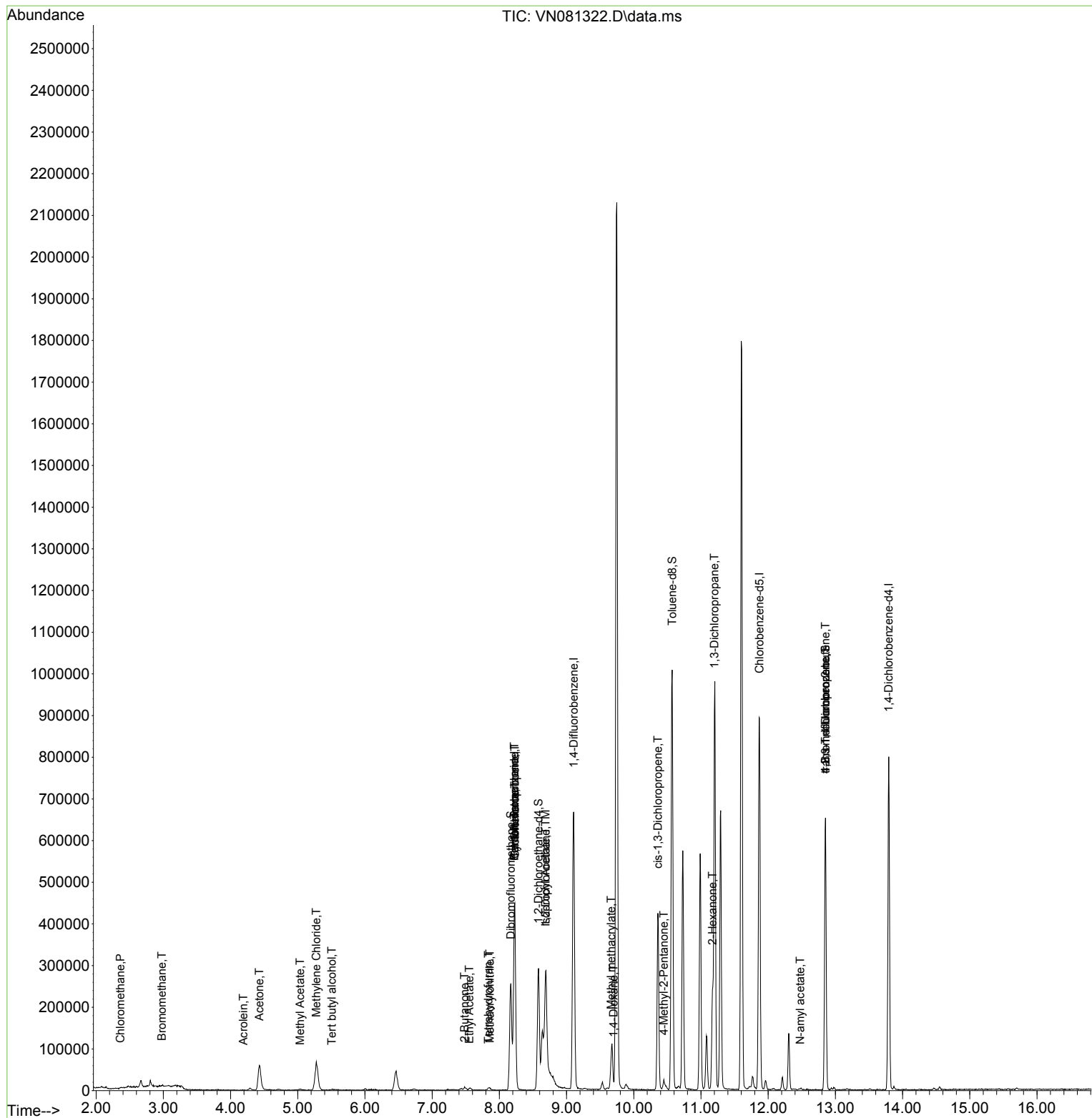
Internal Standards						
1) Pentafluorobenzene	8.223	168	302922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	569449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	513401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	197457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	231392	52.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.660%			
35) Dibromofluoromethane	8.171	113	180078	51.616	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.240%			
50) Toluene-d8	10.570	98	686654	52.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.853	95	217753	47.239	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.480%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	981	0.226	ug/l #	85
5) Bromomethane	2.977	94	947	0.313	ug/l #	46
11) Tert butyl alcohol	5.506	59	2408	3.144	ug/l #	85
13) Acrolein	4.188	56	624	0.688	ug/l #	31
16) Acetone	4.430	43	111417	71.797	ug/l	95
18) Methyl Acetate	5.035	43	4932	1.110	ug/l #	69
20) Methylene Chloride	5.277	84	51814	12.917	ug/l	90
25) 2-Butanone	7.482	43	10435	4.015	ug/l	92
29) Tetrahydrofuran	7.835	42	4659	2.629	ug/l #	76
31) Cyclohexane	8.229	56	8221	1.240	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	28225	5.015	ug/l #	50
37) Ethyl Acetate	7.553	43	7912	1.438	ug/l #	93
38) Carbon Tetrachloride	8.223	117	36040	6.362	ug/l #	17
41) Methacrylonitrile	7.859	41	2656	0.855	ug/l #	44
42) 1,2-Dichloroethane	8.688	62	2004	0.338	ug/l #	75
43) Isopropyl Acetate	8.688	43	334980	34.784	ug/l #	84
48) Methyl methacrylate	9.665	41	7192	1.690	ug/l #	49
49) 1,4-Dioxane	9.700	88	201	2.142	ug/l #	18
51) 4-Methyl-2-Pentanone	10.447	43	21051	3.765	ug/l #	84
54) cis-1,3-Dichloropropene	10.359	75	76486	11.339	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	10298	1.466	ug/l #	43
59) 2-Hexanone	11.170	43	178953	42.808	ug/l #	26
74) N-amyl acetate	12.476	43	3994	0.597	ug/l #	48
76) 1,2,3-Trichloropropane	12.853	75	123357	26.449	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	123357	73.816	ug/l #	14

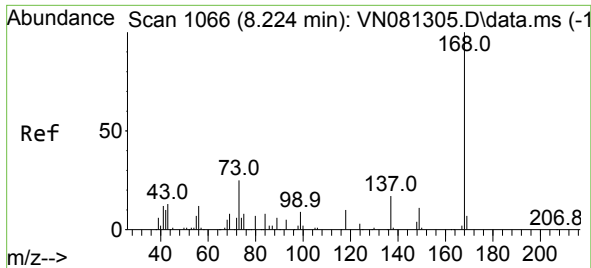
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
Data File : VN081322.D
Acq On : 06 Mar 2024 13:26
Operator : JC\MD
Sample : PB159453ZHE#03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#03

Quant Time: Mar 07 00:25:28 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

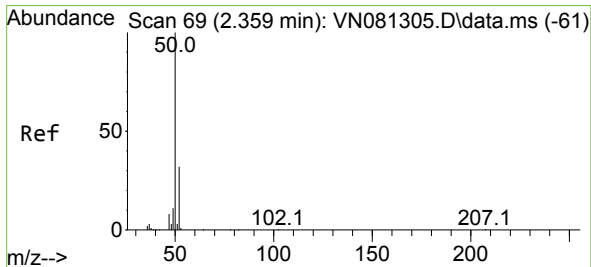
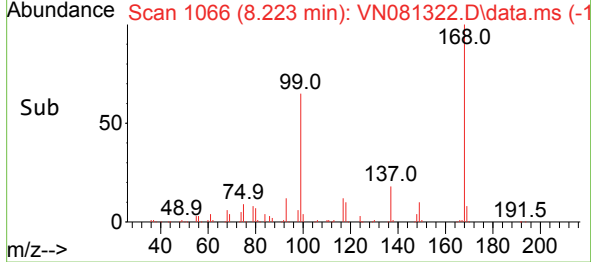
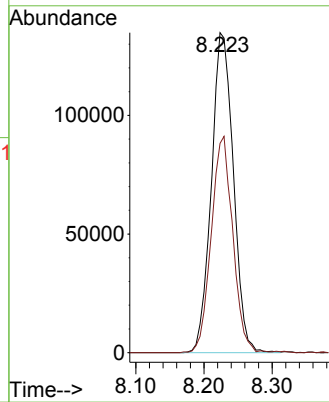
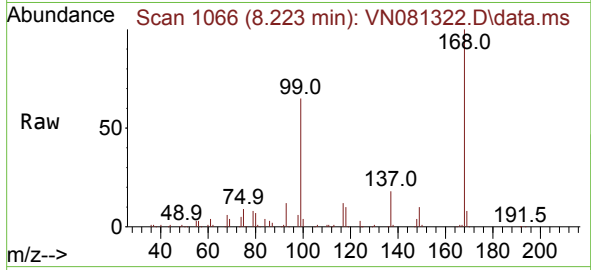




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. -0.001 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

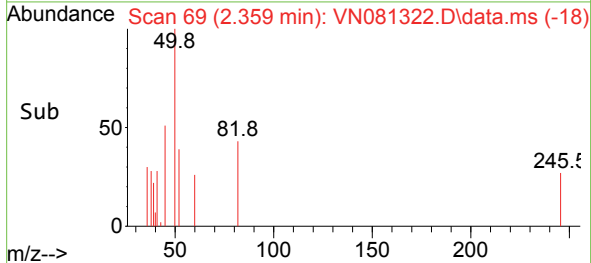
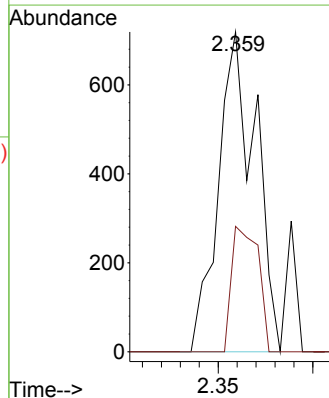
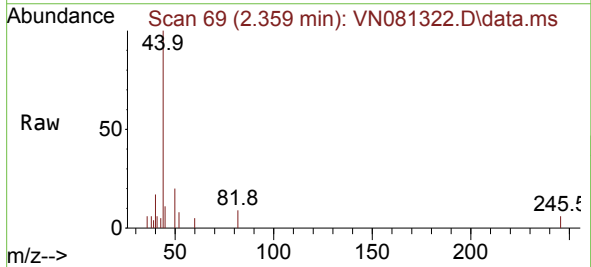
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#03

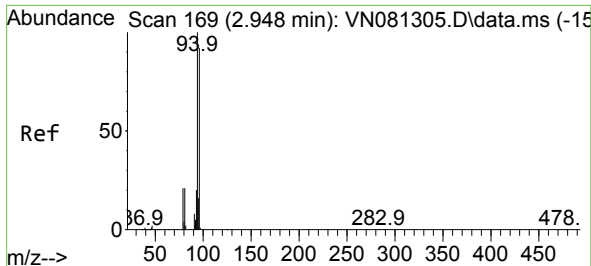
Tgt Ion:168 Resp: 302922
Ion Ratio Lower Upper
168 100
99 65.4 59.9 89.9



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

Tgt Ion: 50 Resp: 981
Ion Ratio Lower Upper
50 100
52 39.2 25.0 37.4#

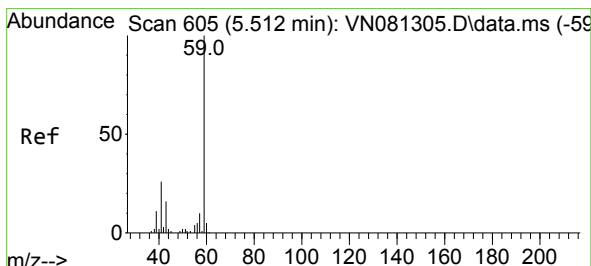
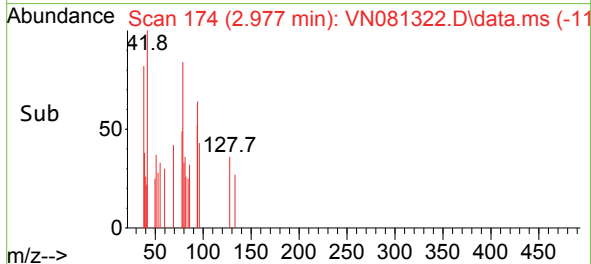
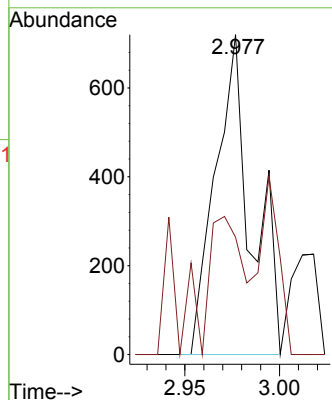
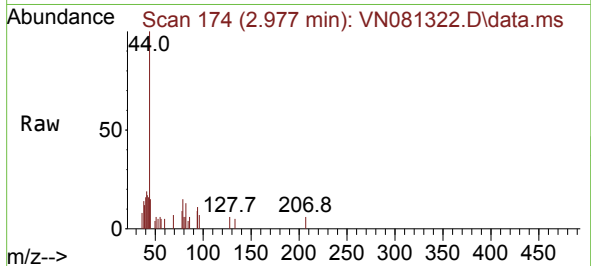




#5
Bromomethane
Concen: 0.313 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

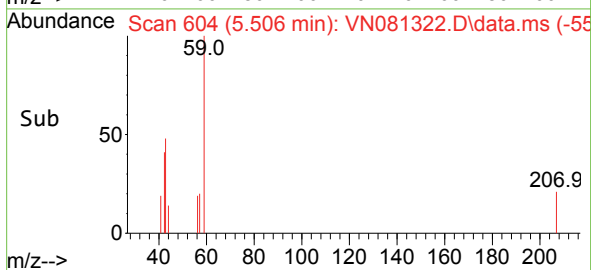
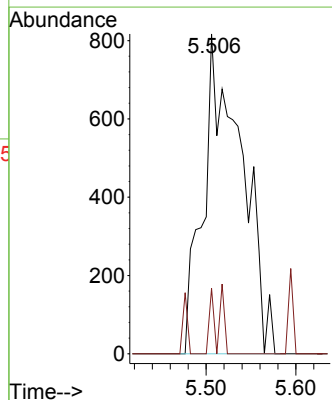
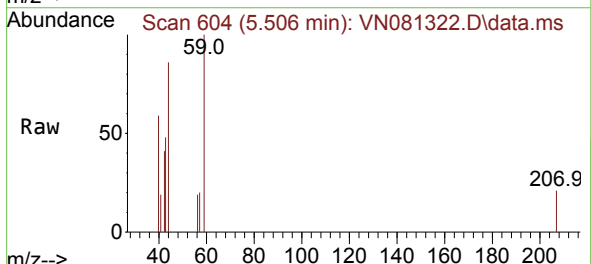
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#03

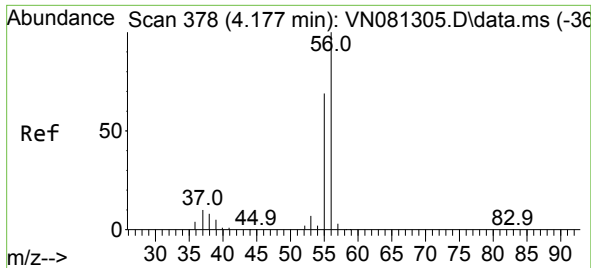
Tgt Ion: 94 Resp: 947
Ion Ratio Lower Upper
94 100
96 36.7 69.2 103.8#



#11
Tert butyl alcohol
Concen: 3.144 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

Tgt Ion: 59 Resp: 2408
Ion Ratio Lower Upper
59 100
57 5.1 8.6 12.8#

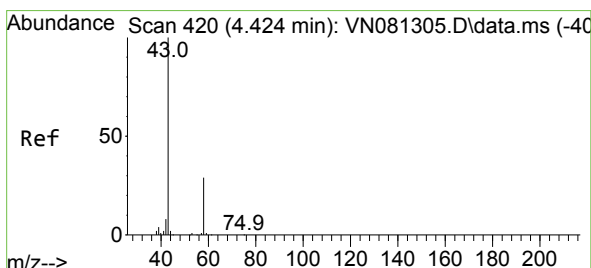
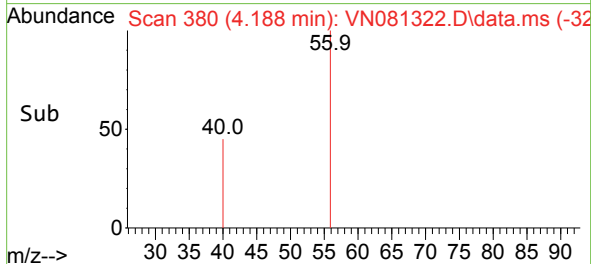
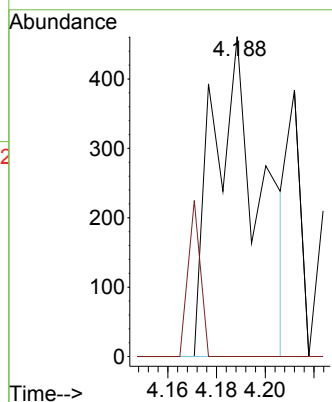
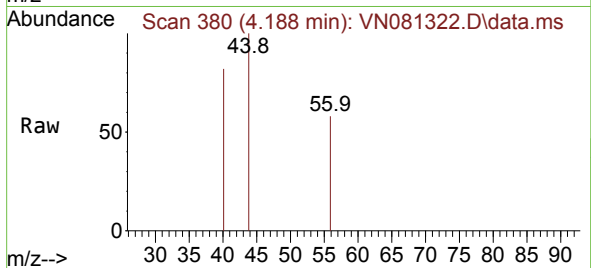




#13
Acrolein
Concen: 0.688 ug/l
RT: 4.188 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

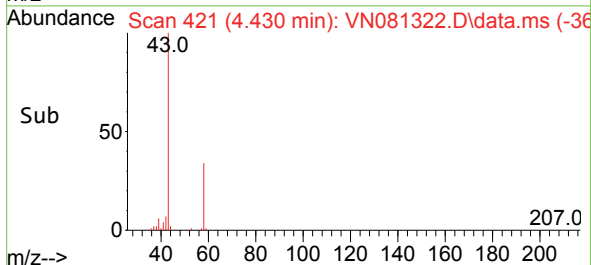
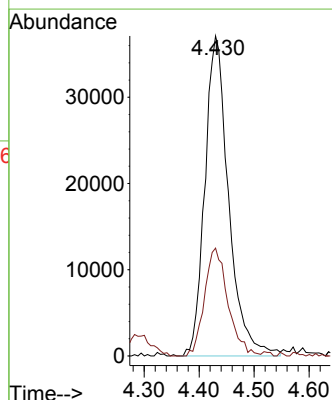
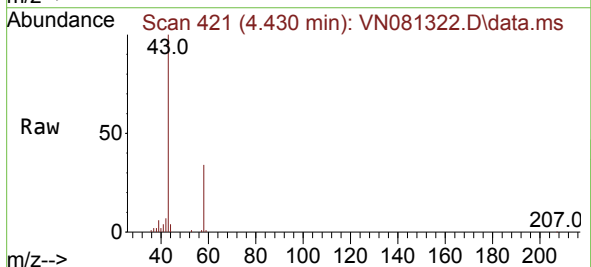
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#03

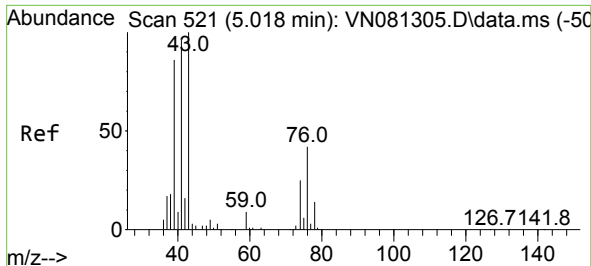
Tgt Ion: 56 Resp: 624
Ion Ratio Lower Upper
56 100
55 12.7 55.3 82.9#



#16
Acetone
Concen: 71.797 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

Tgt Ion: 43 Resp: 111417
Ion Ratio Lower Upper
43 100
58 33.7 24.8 37.2

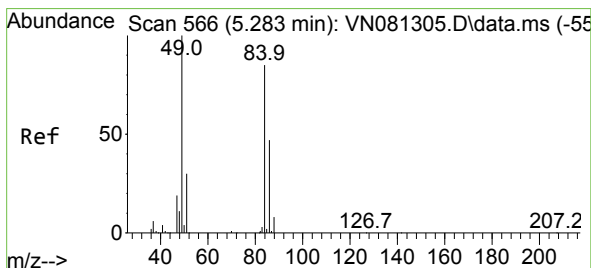
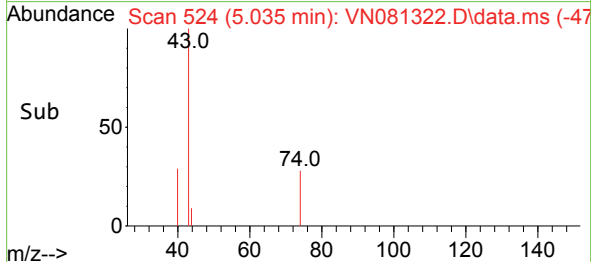
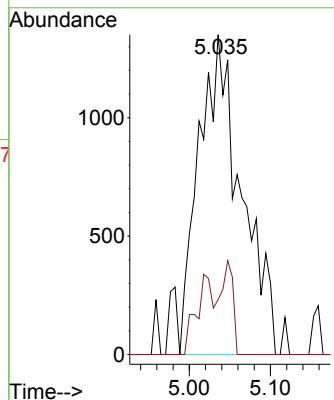
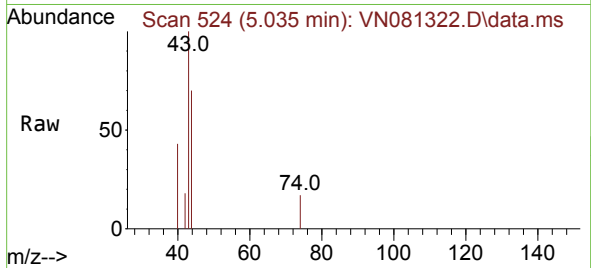




#18
Methyl Acetate
Concen: 1.110 ug/l
RT: 5.035 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

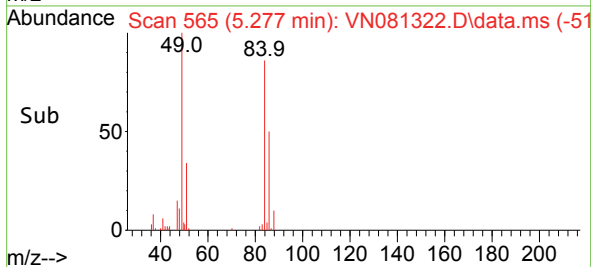
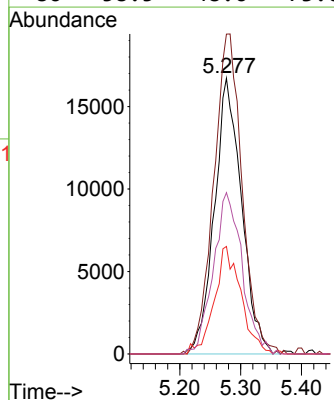
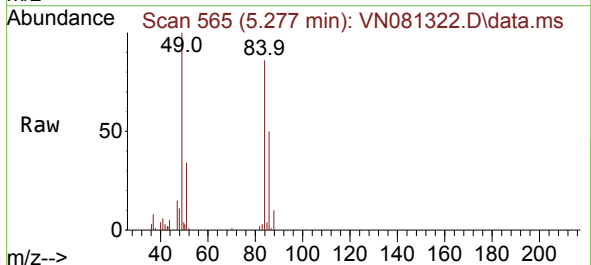
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#03

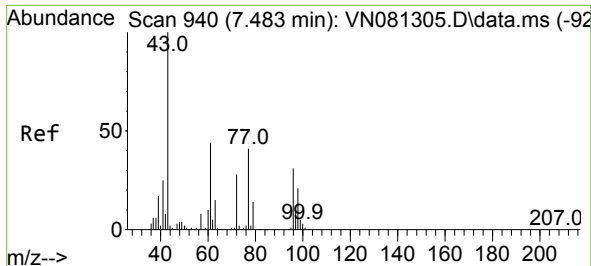
Tgt Ion: 43 Resp: 4932
Ion Ratio Lower Upper
43 100
74 7.2 17.3 25.9#



#20
Methylene Chloride
Concen: 12.917 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

Tgt Ion: 84 Resp: 51814
Ion Ratio Lower Upper
84 100
49 116.0 108.1 162.1
51 39.0 32.9 49.3
86 58.5 48.6 73.0

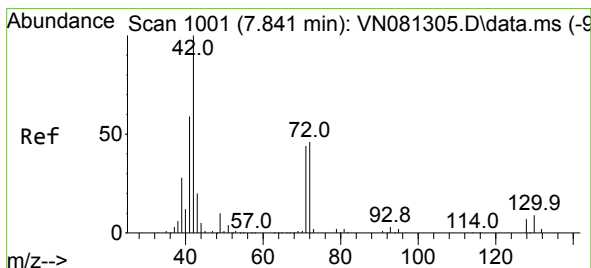
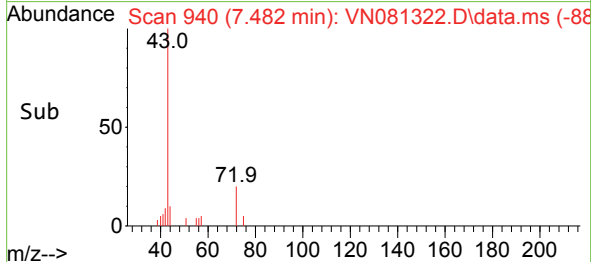
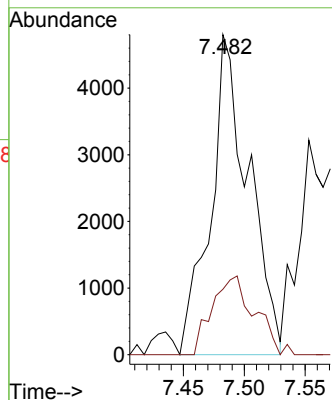
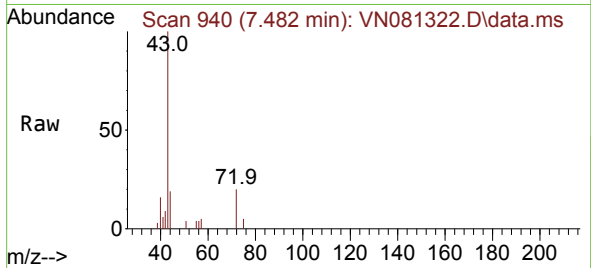




#25
2-Butanone
Concen: 4.015 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

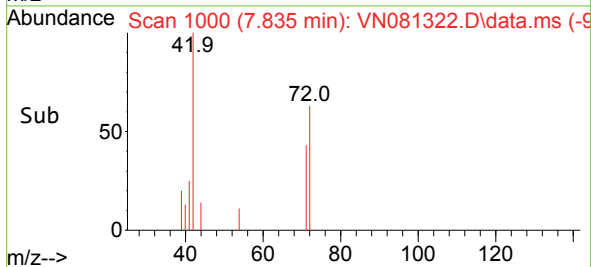
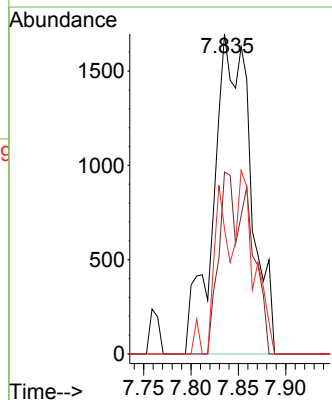
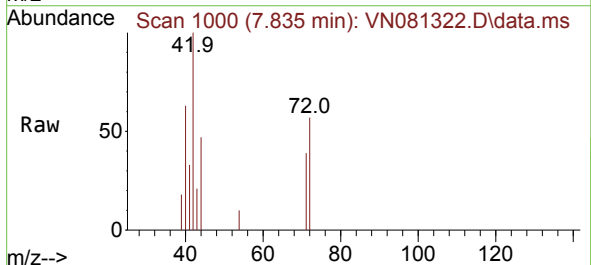
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#03

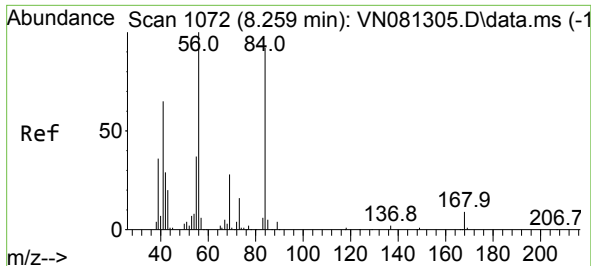
Tgt Ion: 43 Resp: 10435
Ion Ratio Lower Upper
43 100
72 20.5 19.5 29.3



#29
Tetrahydrofuran
Concen: 2.629 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

Tgt Ion: 42 Resp: 4659
Ion Ratio Lower Upper
42 100
72 25.2 31.1 46.7#
71 20.4 28.3 42.5#

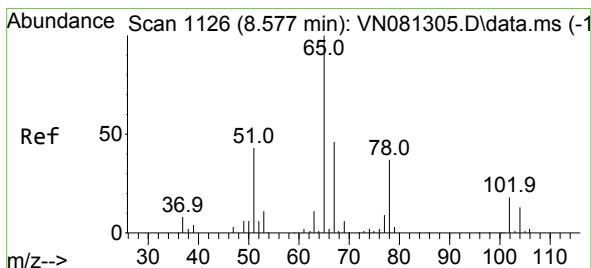
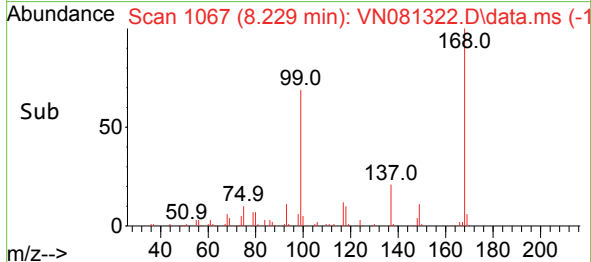
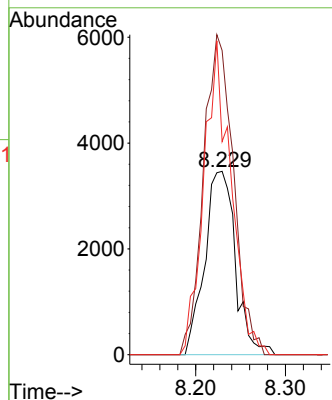
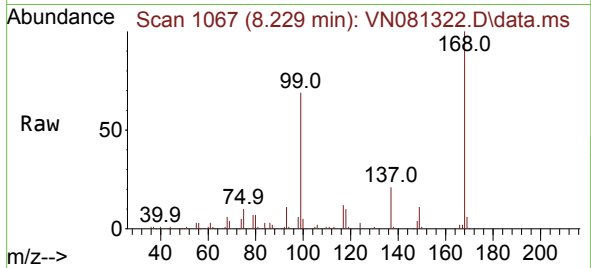




#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.229 min Scan# 1072
Delta R.T. -0.030 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

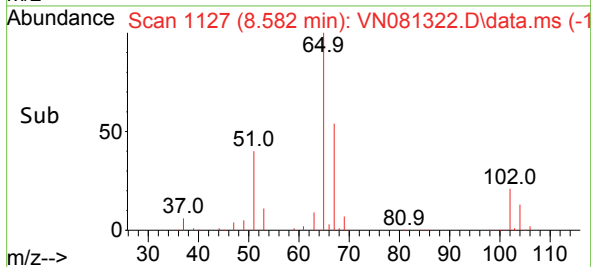
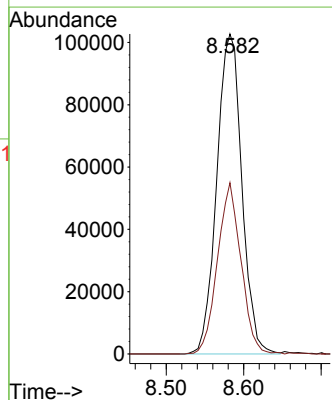
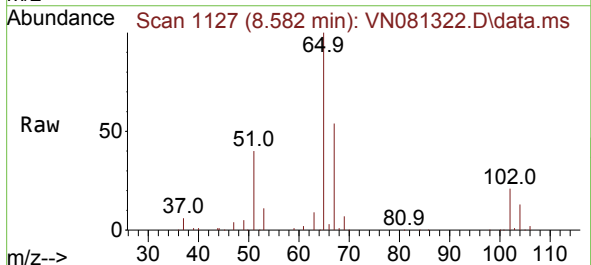
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#03

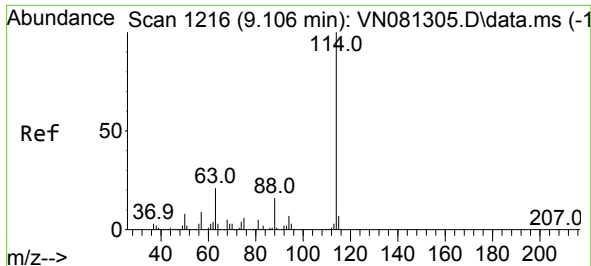
Tgt Ion: 56 Resp: 8221
Ion Ratio Lower Upper
56 100
69 166.0 20.1 30.1#
84 116.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 52.830 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

Tgt Ion: 65 Resp: 231392
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.4

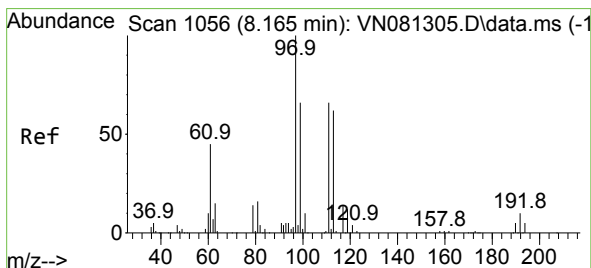
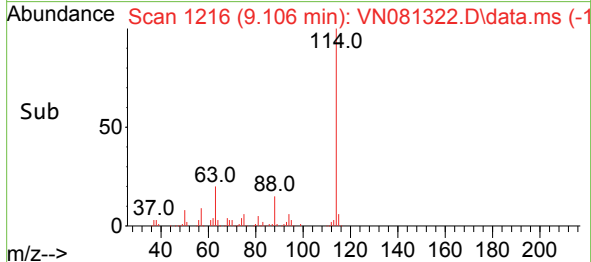
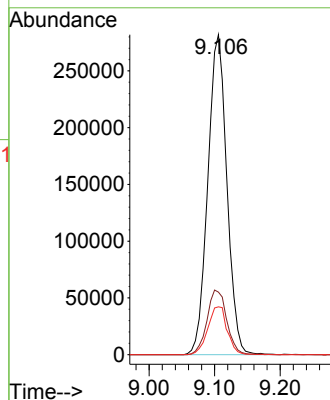
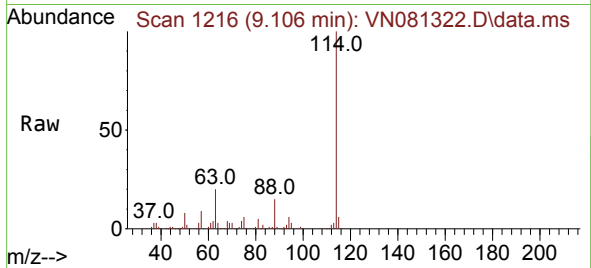




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

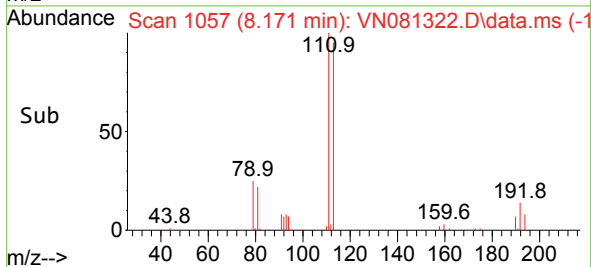
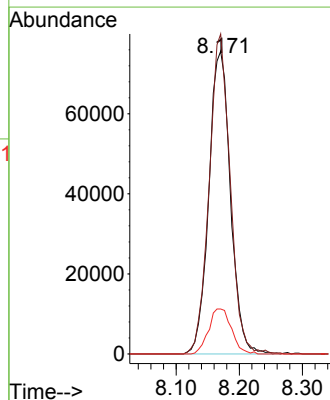
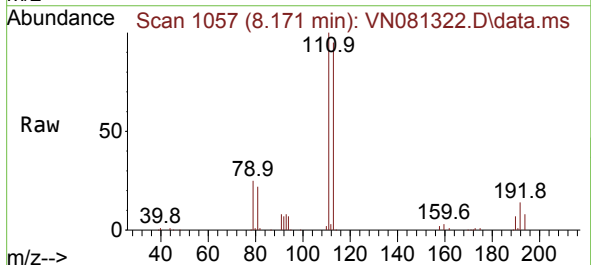
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#03

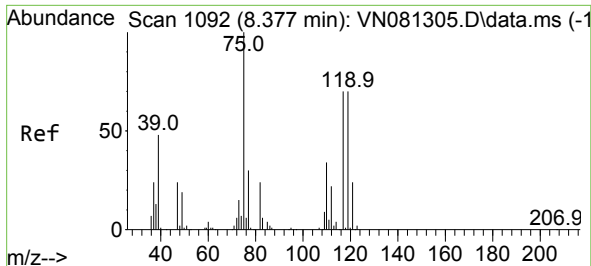
Tgt Ion:114 Resp: 569449
Ion Ratio Lower Upper
114 100
63 19.6 0.0 48.0
88 14.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 51.616 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

Tgt Ion:113 Resp: 180078
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 15.7 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.015 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN081322.D

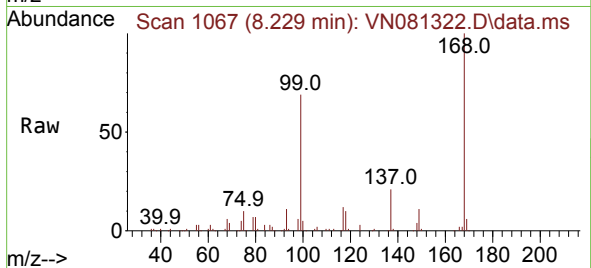
Acq: 06 Mar 2024 13:26

Instrument :

MSVOA_N

ClientSampleId :

PB159453ZHE#03



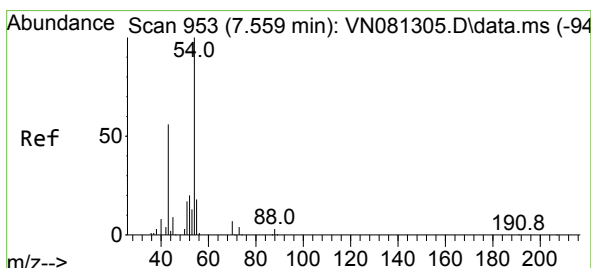
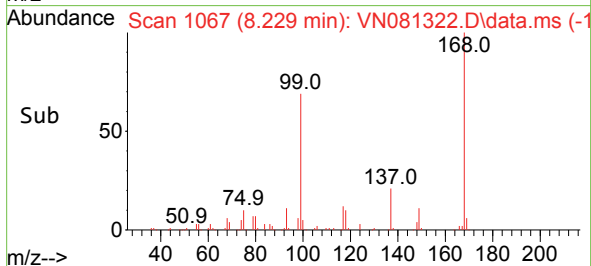
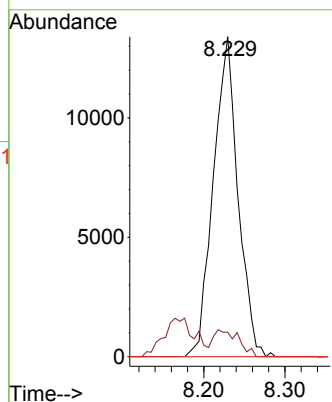
Tgt Ion: 75 Resp: 28225

Ion Ratio Lower Upper

75 100

110 8.6 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 1.438 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN081322.D

Acq: 06 Mar 2024 13:26

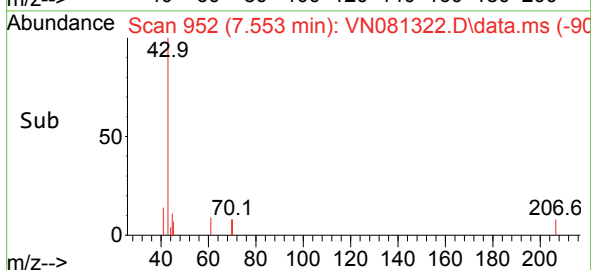
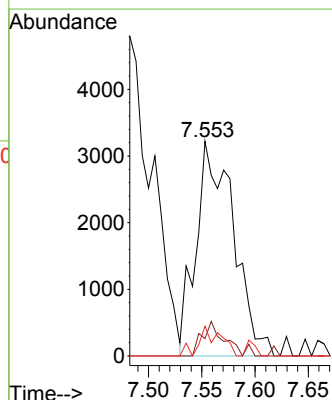
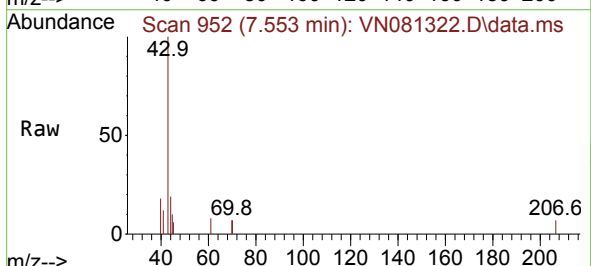
Tgt Ion: 43 Resp: 7912

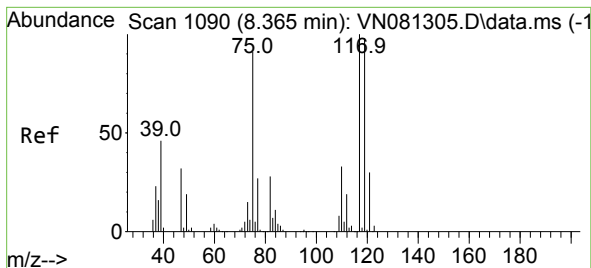
Ion Ratio Lower Upper

43 100

61 9.8 10.6 15.8#

70 8.1 8.0 12.0





#38

Carbon Tetrachloride

Concen: 6.362 ug/l

RT: 8.223 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN081322.D

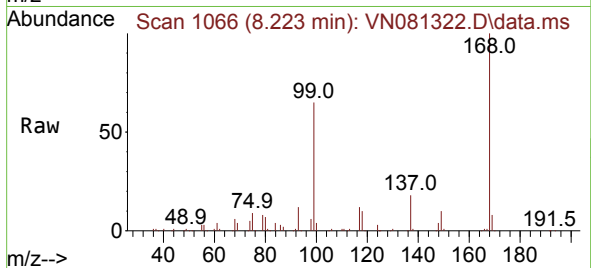
Acq: 06 Mar 2024 13:26

Instrument :

MSVOA_N

ClientSampleId :

PB159453ZHE#03



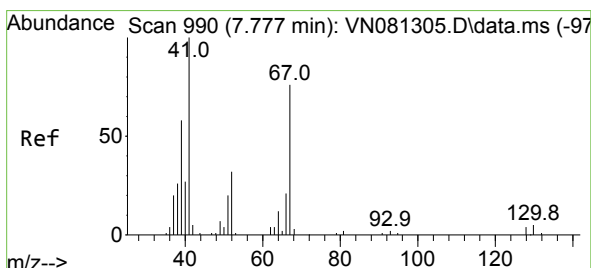
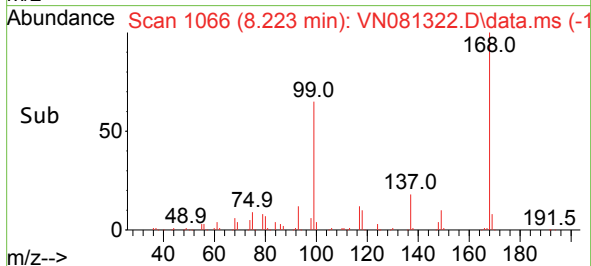
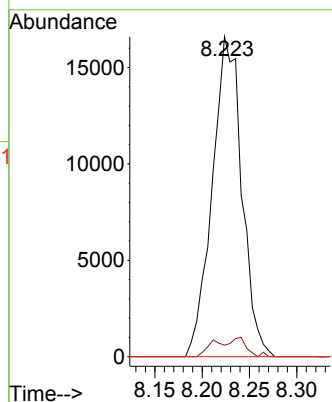
Tgt Ion:117 Resp: 36040

Ion Ratio Lower Upper

117 100

119 3.6 73.4 110.2#

121 0.0 24.4 36.6#



#41

Methacrylonitrile

Concen: 0.855 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.082 min

Lab File: VN081322.D

Acq: 06 Mar 2024 13:26

Tgt Ion: 41 Resp: 2656

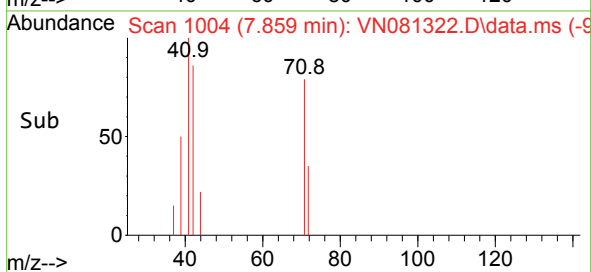
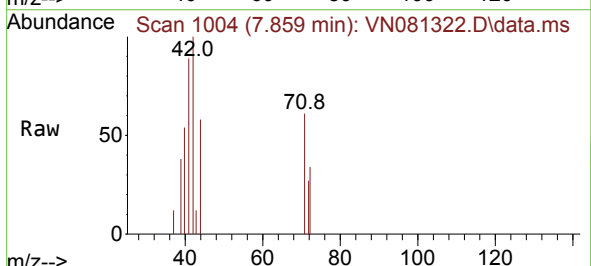
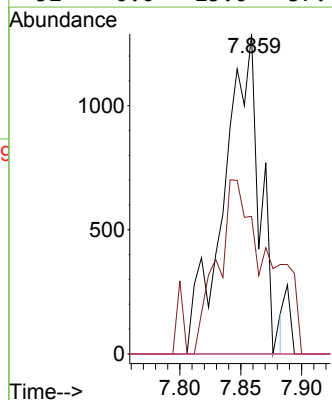
Ion Ratio Lower Upper

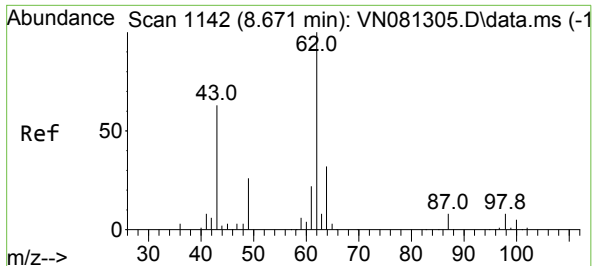
41 100

39 77.2 48.4 72.6#

67 0.0 56.8 85.2#

52 0.0 25.0 37.4#





#42

1,2-Dichloroethane

Concen: 0.338 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN081322.D

Acq: 06 Mar 2024 13:26

Instrument :

MSVOA_N

ClientSampleId :

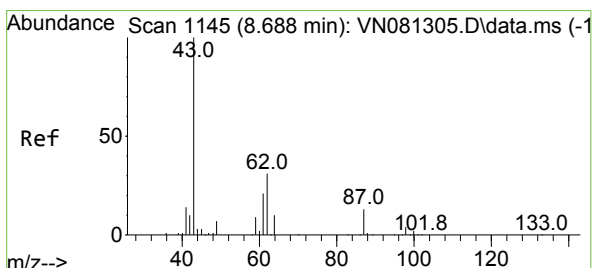
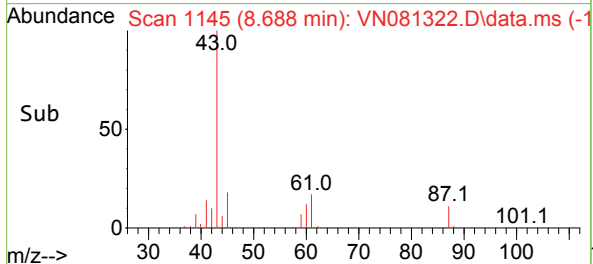
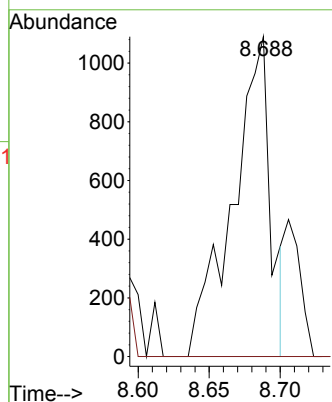
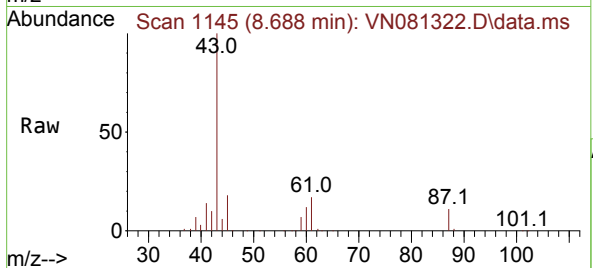
PB159453ZHE#03

Tgt Ion: 62 Resp: 2004

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 34.784 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN081322.D

Acq: 06 Mar 2024 13:26

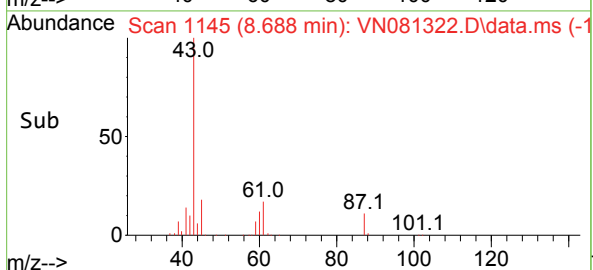
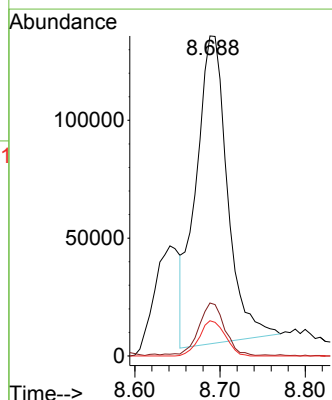
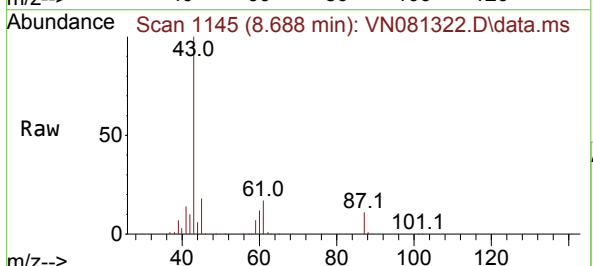
Tgt Ion: 43 Resp: 334980

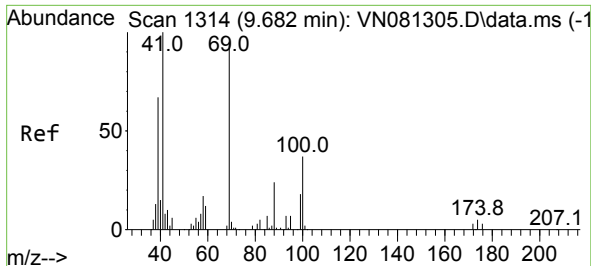
Ion Ratio Lower Upper

43 100

61 14.0 19.9 29.9#

87 9.4 9.0 13.6

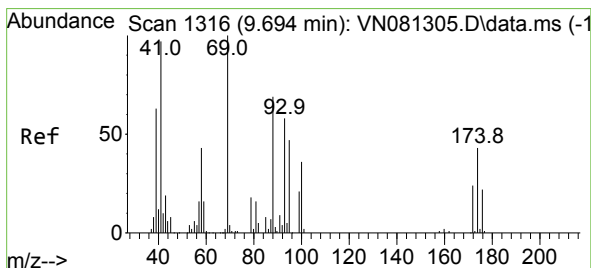
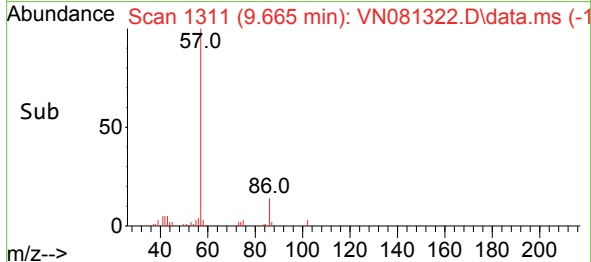
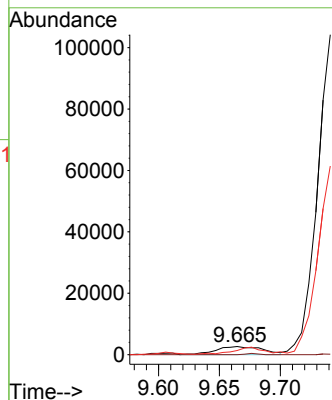
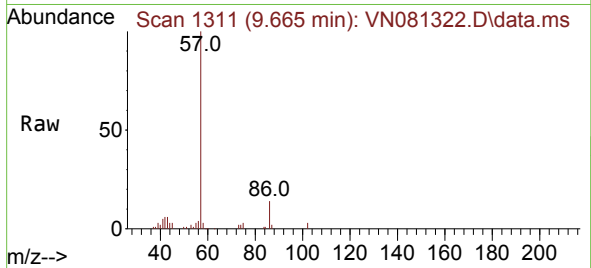




#48
Methyl methacrylate
Concen: 1.690 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

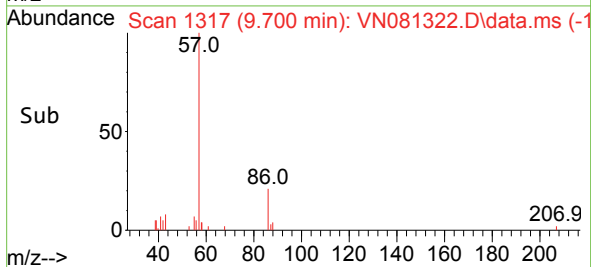
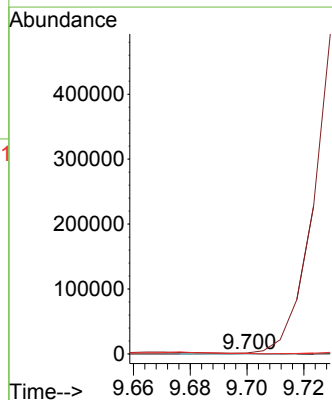
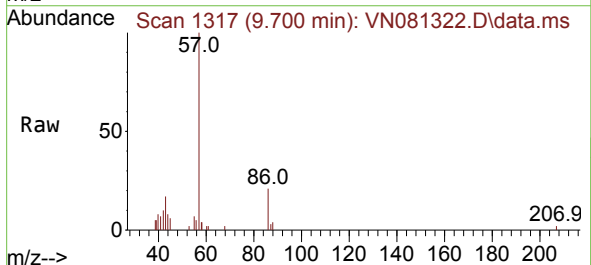
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#03

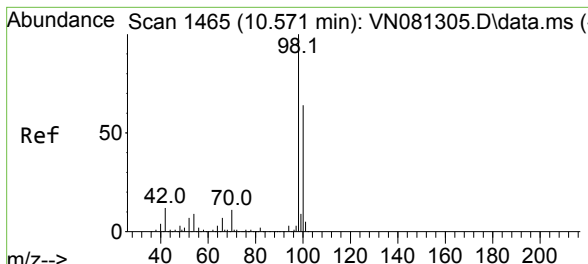
Tgt Ion: 41 Resp: 7192
Ion Ratio Lower Upper
41 100
69 4.0 62.2 93.2#
39 54.7 47.6 71.4



#49
1,4-Dioxane
Concen: 2.142 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

Tgt Ion: 88 Resp: 201
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#

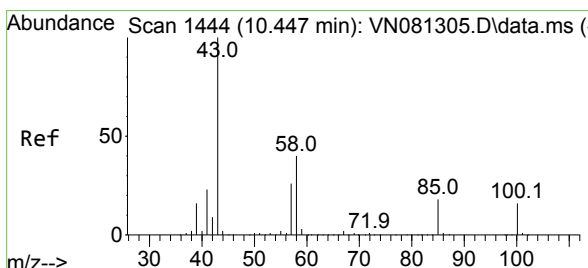
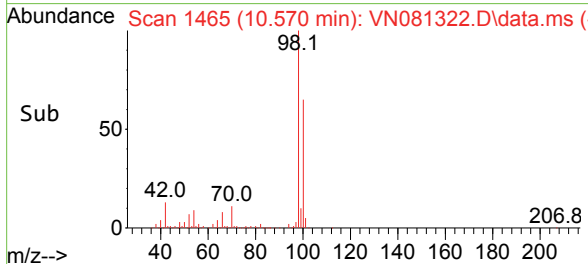
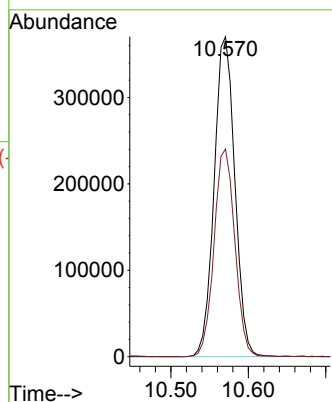
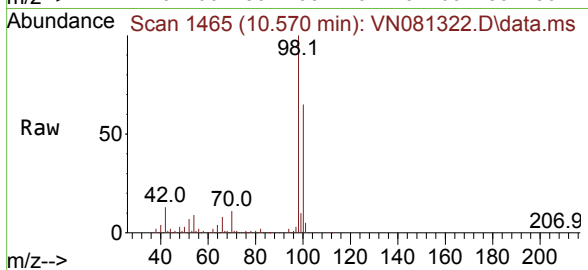




#50
Toluene-d8
Concen: 52.649 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

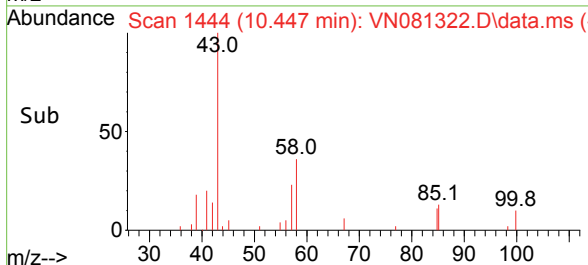
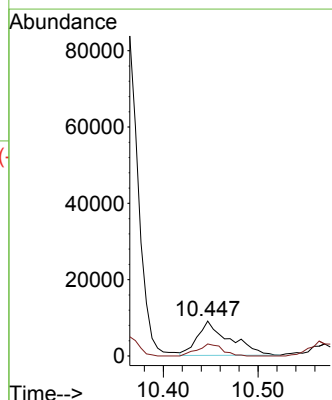
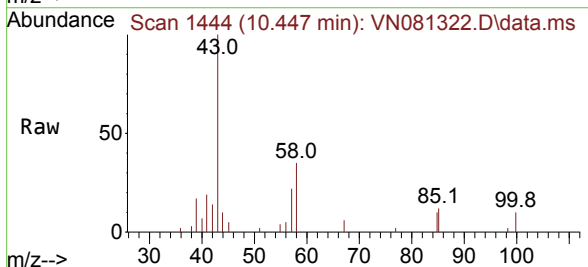
Instrument : MSVOA_N
ClientSampleId : PB159453ZHE#03

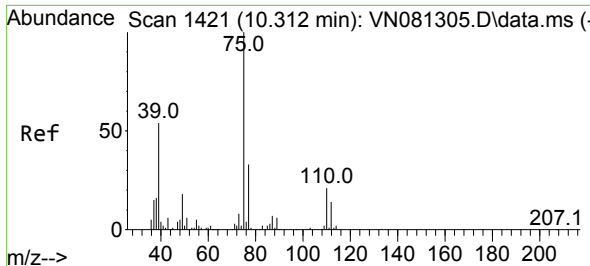
Tgt Ion: 98 Resp: 686654
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 3.765 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

Tgt Ion: 43 Resp: 21051
Ion Ratio Lower Upper
43 100
58 27.4 29.4 44.0#

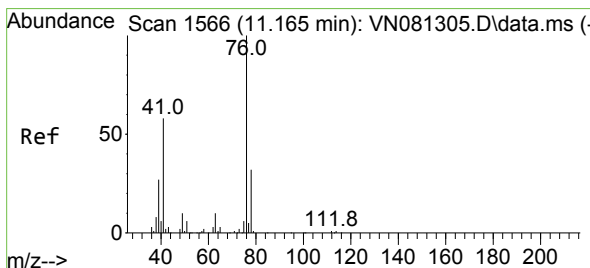
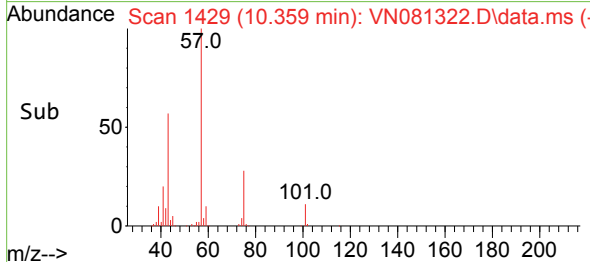
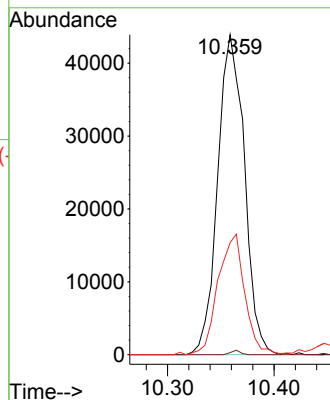
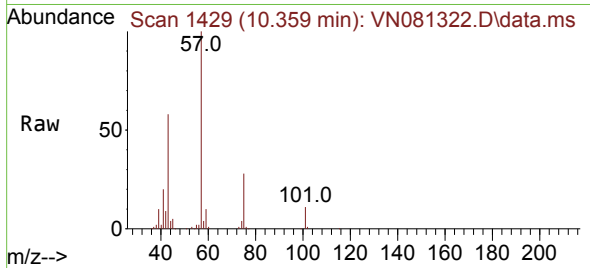




#54
 cis-1,3-Dichloropropene
 Concen: 11.339 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081322.D
 Acq: 06 Mar 2024 13:26

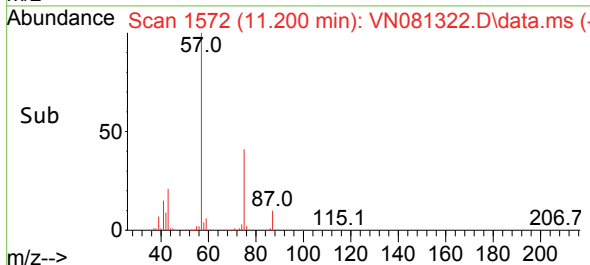
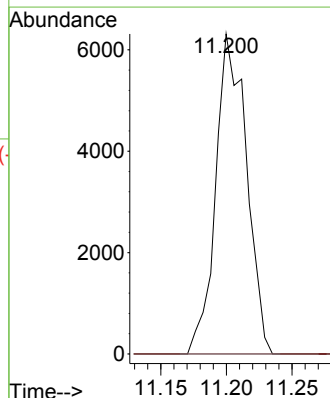
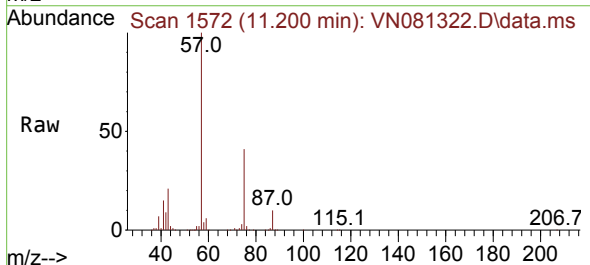
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159453ZHE#03

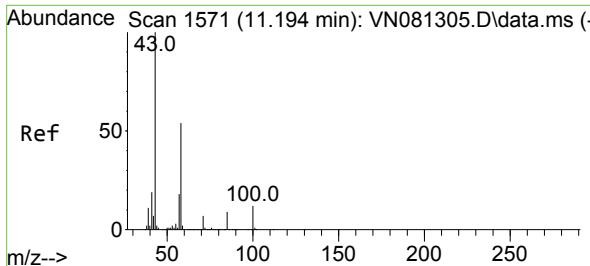
Tgt Ion: 75 Resp: 76486
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.3 34.9#
 39 34.6 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.466 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN081322.D
 Acq: 06 Mar 2024 13:26

Tgt Ion: 76 Resp: 10298
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

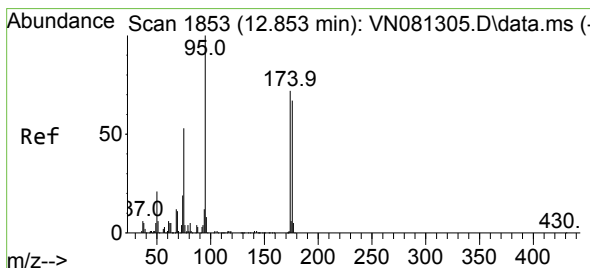
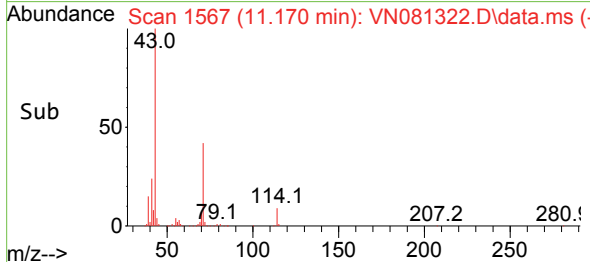
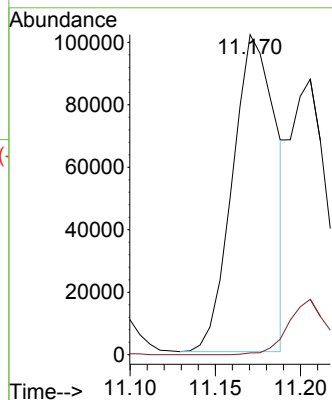
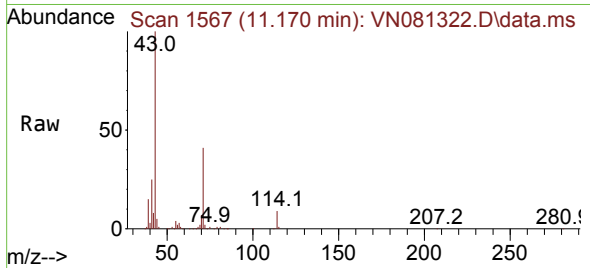




#59
2-Hexanone
Concen: 42.808 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

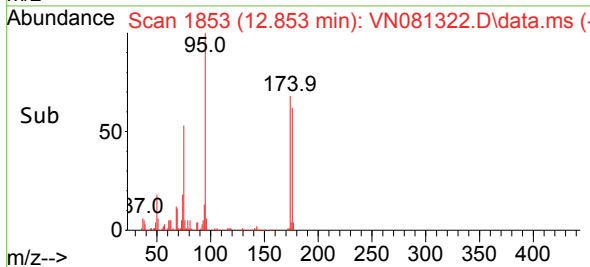
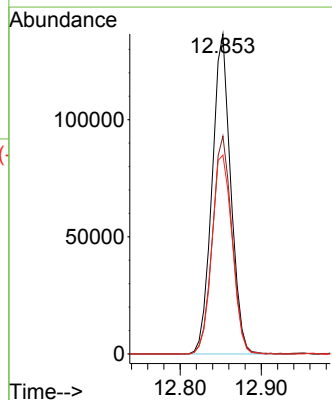
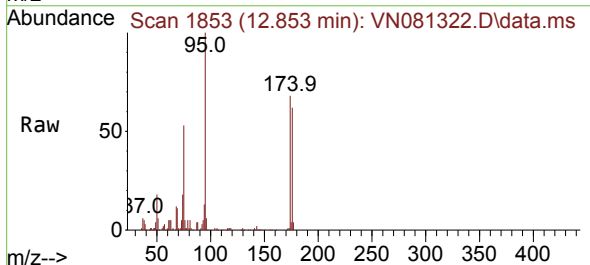
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#03

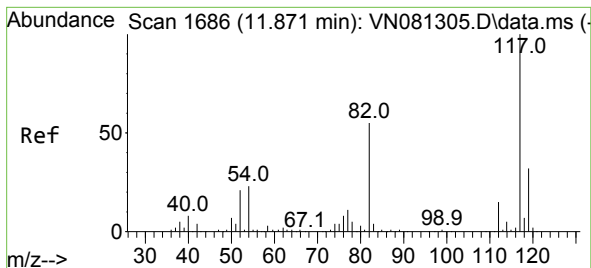
Tgt Ion: 43 Resp: 178953
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.239 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081322.D
Acq: 06 Mar 2024 13:26

Tgt Ion: 95 Resp: 217753
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: 11.870 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081322.D

Acq: 06 Mar 2024 13:26

Instrument :

MSVOA_N

ClientSampleId :

PB159453ZHE#03

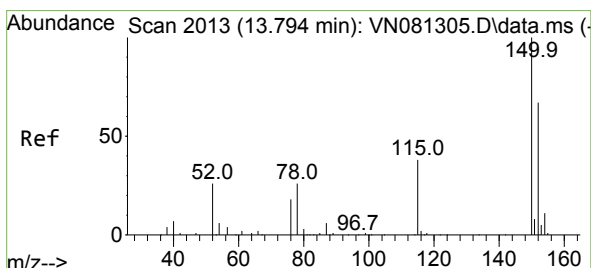
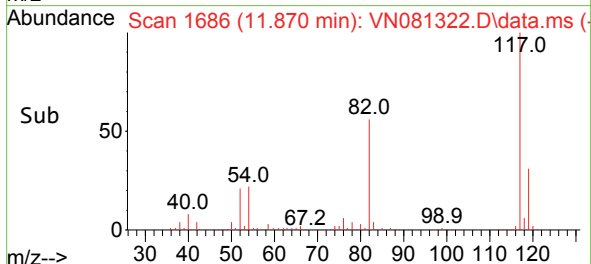
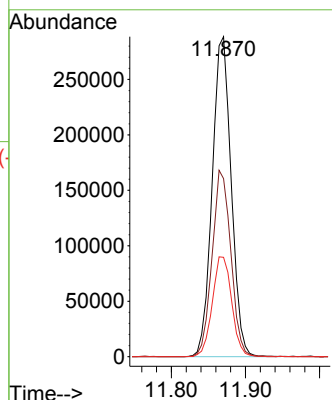
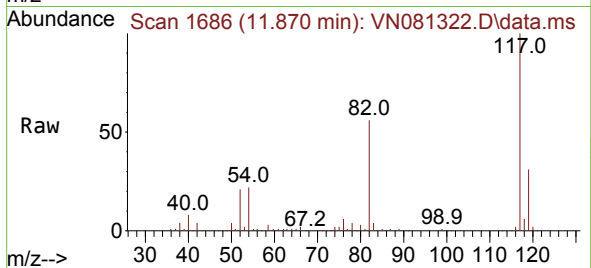
Tgt Ion:117 Resp: 513401

Ion Ratio Lower Upper

117 100

82 55.6 52.7 79.1

119 31.0 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: VN081322.D

Acq: 06 Mar 2024 13:26

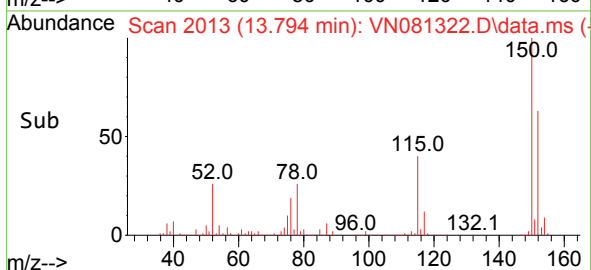
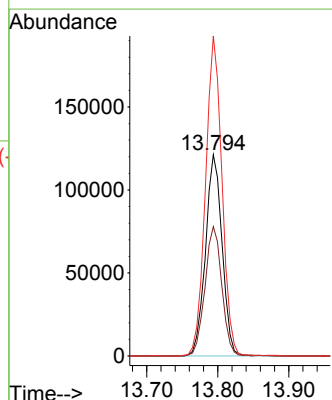
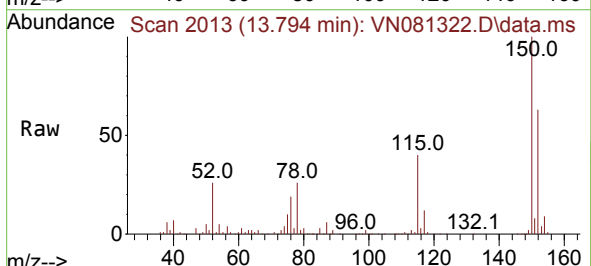
Tgt Ion:152 Resp: 197457

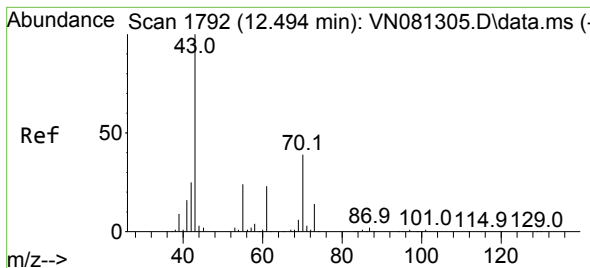
Ion Ratio Lower Upper

152 100

115 65.0 32.3 96.8

150 157.2 0.0 339.8





#74

N-amy1 acetate

Concen: 0.597 ug/l

RT: 12.476 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN081322.D

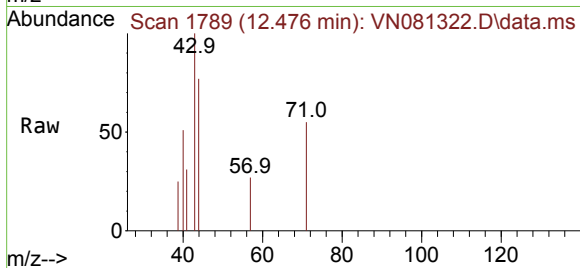
Acq: 06 Mar 2024 13:26

Instrument :

MSVOA_N

ClientSampleId :

PB159453ZHE#03



Tgt Ion: 43 Resp: 3994

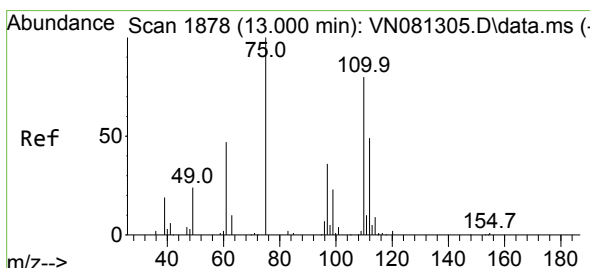
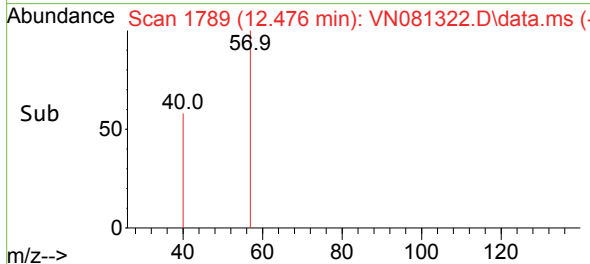
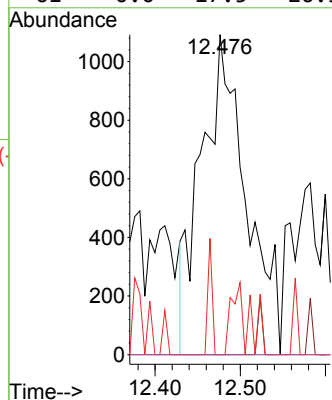
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 3.5 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 26.449 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN081322.D

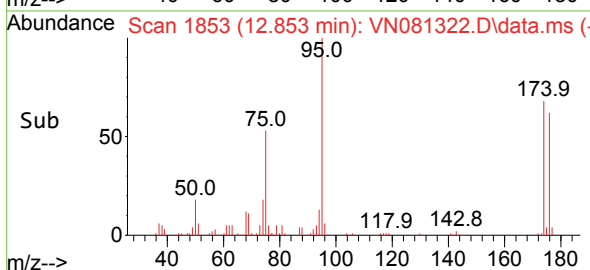
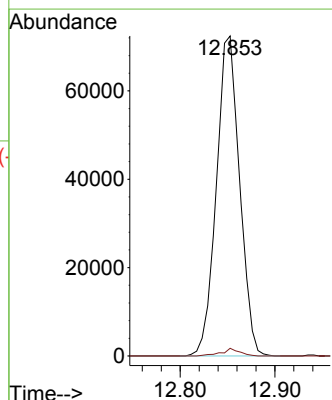
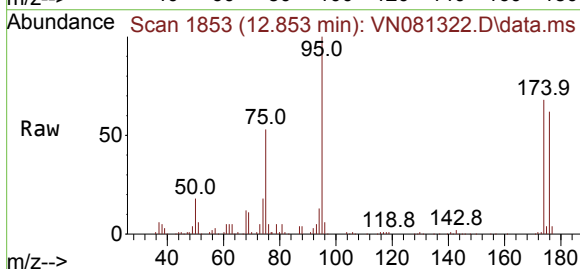
Acq: 06 Mar 2024 13:26

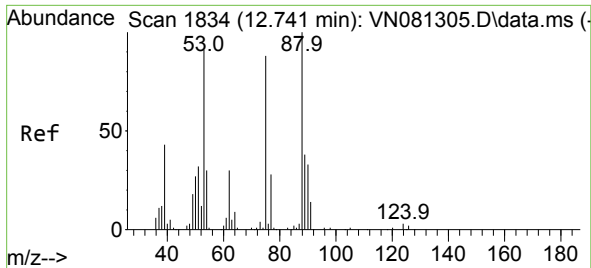
Tgt Ion: 75 Resp: 123357

Ion Ratio Lower Upper

75 100

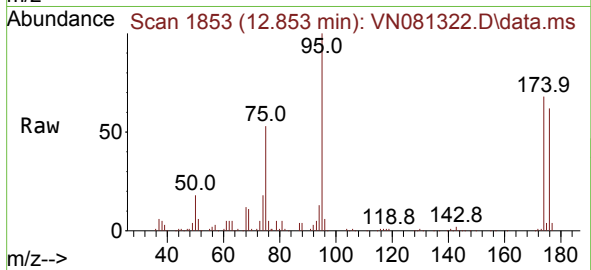
77 1.9 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.816 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081322.D
 Acq: 06 Mar 2024 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159453ZHE#03



Tgt Ion: 75 Resp: 123357
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#

