

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043024\
 Data File : VN081933.D
 Acq On : 30 Apr 2024 16:05
 Operator : JC\MD
 Sample : P2283-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

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

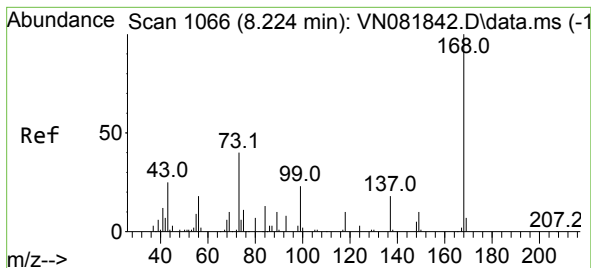
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	209322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	417444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	157088	44.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.940%		
35) Dibromofluoromethane	8.171	113	123559	49.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.320%		
50) Toluene-d8	10.571	98	522151	52.897	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.800%		
62) 4-Bromofluorobenzene	12.853	95	177367	45.454	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	90.900%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	571	Below Cal	#	31
11) Tert butyl alcohol	5.500	59	971	1.512	ug/l #	71
13) Acrolein	4.195	56	336	Below Cal	#	1
16) Acetone	4.430	43	51753	45.057	ug/l	93
17) Carbon Disulfide	4.724	76	3208	0.421	ug/l #	80
18) Methyl Acetate	5.030	43	3219	0.900	ug/l #	56
20) Methylene Chloride	5.283	84	9678	3.197	ug/l #	90
25) 2-Butanone	7.489	43	7141	3.561	ug/l #	88
29) Tetrahydrofuran	7.847	42	617	0.429	ug/l #	54
31) Cyclohexane	8.224	56	6567	1.234	ug/l #	41
36) 1,1-Dichloropropene	8.224	75	21065	5.152	ug/l #	49
37) Ethyl Acetate	7.565	43	4751	1.075	ug/l #	91
38) Carbon Tetrachloride	8.224	117	22940	5.740	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	1320	0.290	ug/l	85
43) Isopropyl Acetate	8.688	43	307502	36.992	ug/l #	74
45) 1,2-Dichloropropane	9.735	63	2047	0.637	ug/l #	45
48) Methyl methacrylate	9.671	41	5654	1.425	ug/l #	34
49) 1,4-Dioxane	9.665	88	61	1.011	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	8171	1.746	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	67835	12.918	ug/l #	65
57) 1,3-Dichloropropane	11.206	76	7746	1.507	ug/l #	42
59) 2-Hexanone	11.171	43	158761	45.587	ug/l #	23
74) N-amyl acetate	12.471	43	1866	0.261	ug/l #	45
76) 1,2,3-Trichloropropane	12.853	75	97389	26.041	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	97389	53.361	ug/l #	12

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081933.D

Acq: 30 Apr 2024 16:05

Instrument :

MSVOA_N

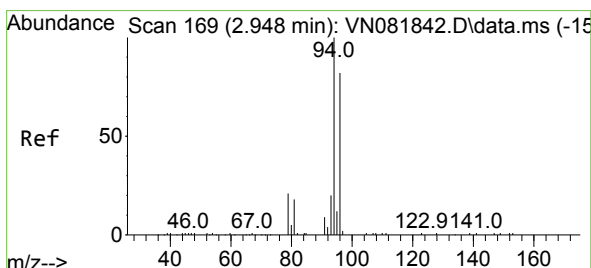
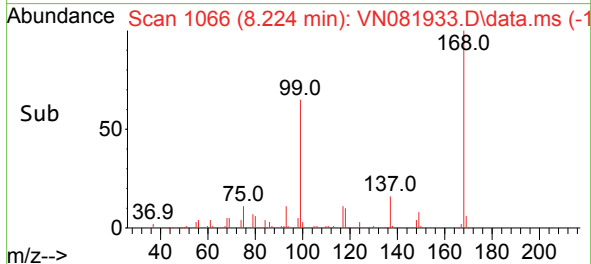
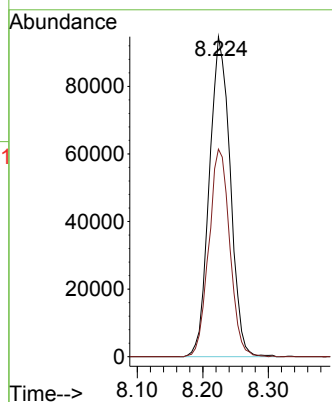
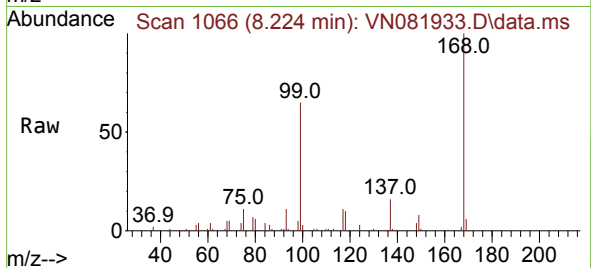
ClientSampleId :

Tgt Ion:168 Resp: 209322

Ion Ratio Lower Upper

168 100

99 64.9 48.2 72.4



#5

Bromomethane

Concen: Below Cal

RT: 2.971 min Scan# 173

Delta R.T. 0.023 min

Lab File: VN081933.D

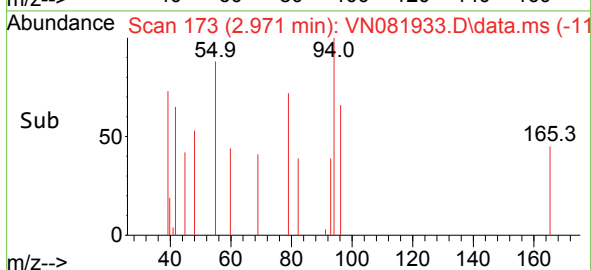
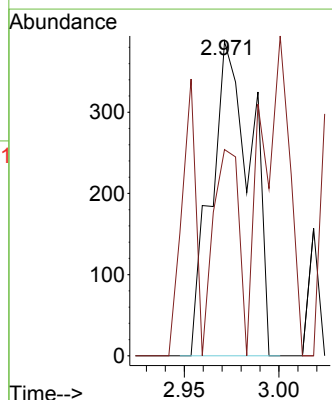
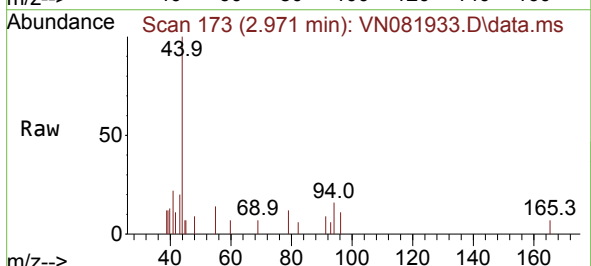
Acq: 30 Apr 2024 16:05

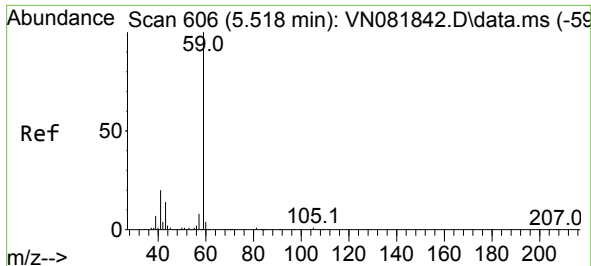
Tgt Ion: 94 Resp: 571

Ion Ratio Lower Upper

94 100

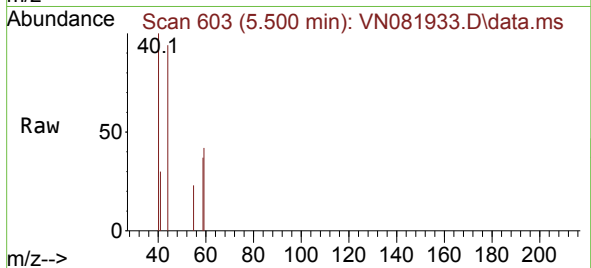
96 26.6 74.8 112.2#



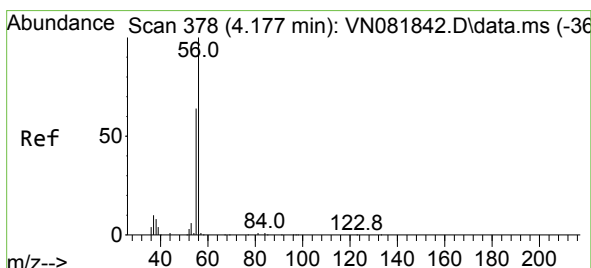
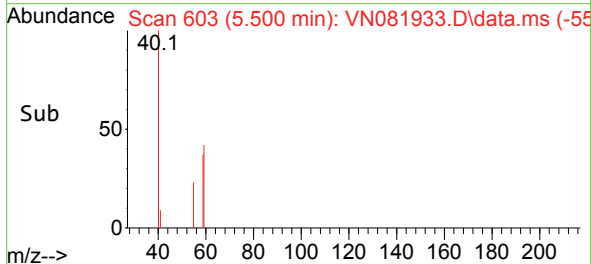
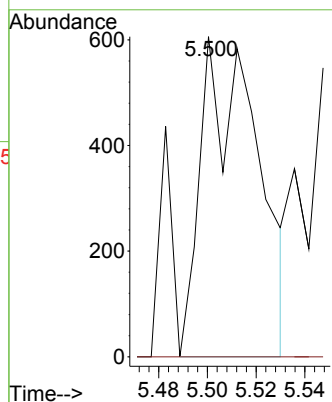


#11
Tert butyl alcohol
Concen: 1.512 ug/l
RT: 5.500 min Scan# 606
Delta R.T. -0.017 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

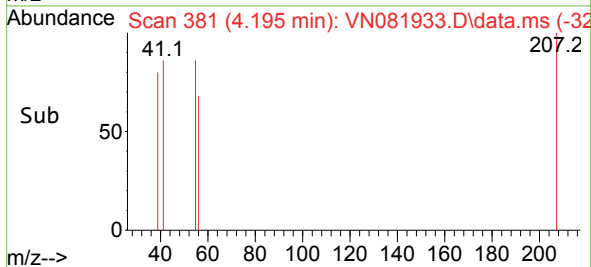
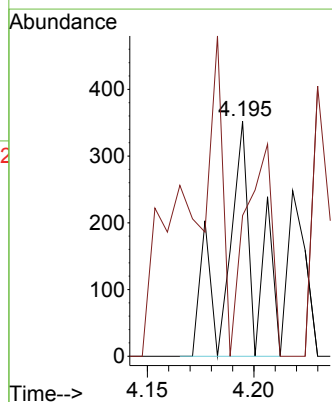
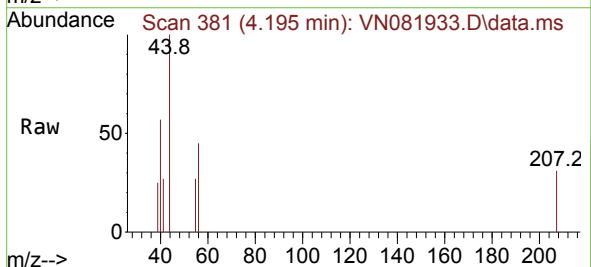


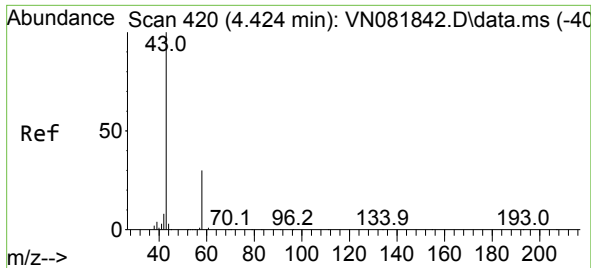
Tgt Ion: 59 Resp: 971
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Tgt Ion: 56 Resp: 336
Ion Ratio Lower Upper
56 100
55 161.3 55.8 83.8#

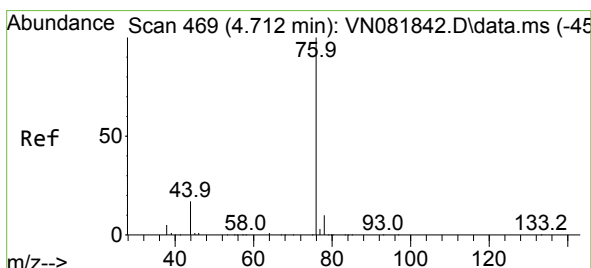
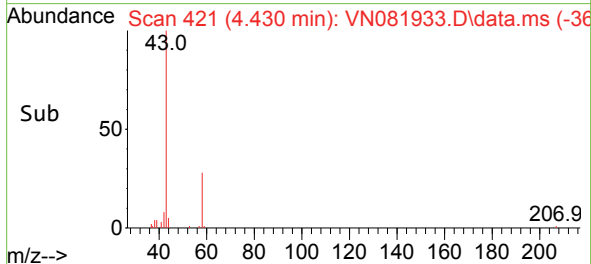
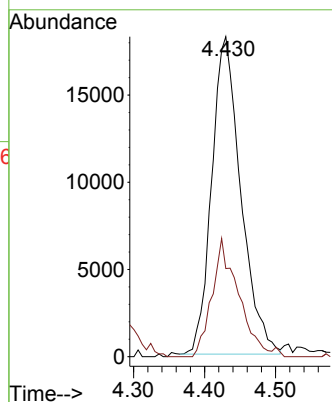
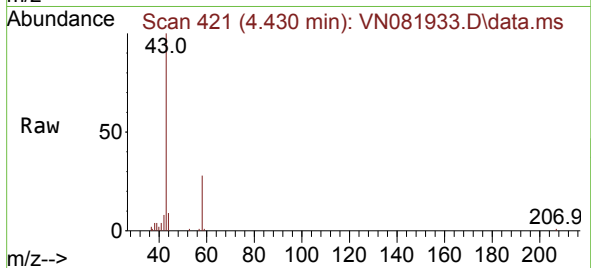




#16
Acetone
Concen: 45.057 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

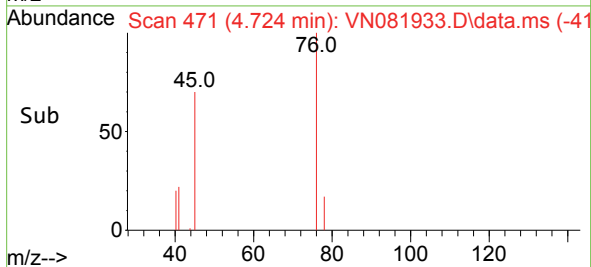
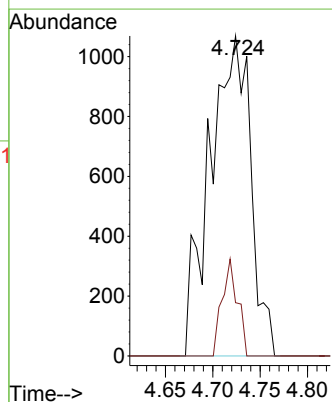
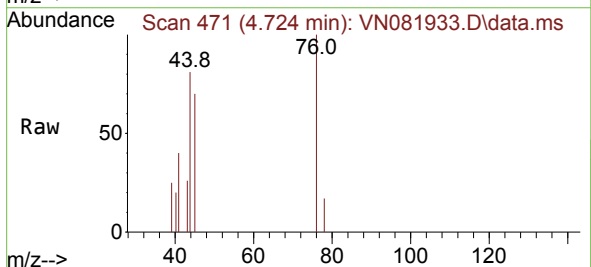
Instrument :
MSVOA_N
ClientSampleId :

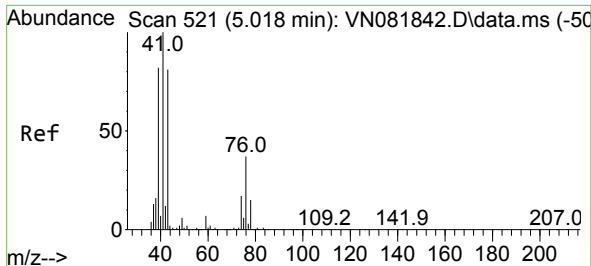
Tgt Ion: 43 Resp: 51753
Ion Ratio Lower Upper
43 100
58 27.8 25.2 37.8



#17
Carbon Disulfide
Concen: 0.421 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

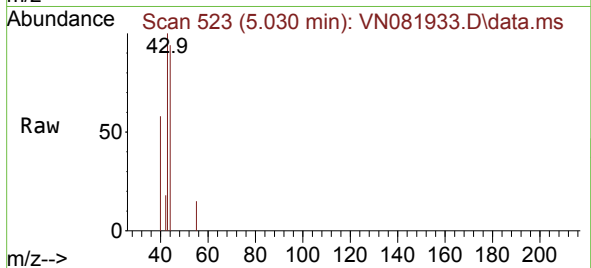
Tgt Ion: 76 Resp: 3208
Ion Ratio Lower Upper
76 100
78 16.7 7.5 11.3#



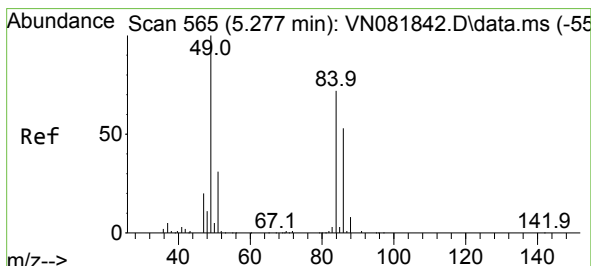
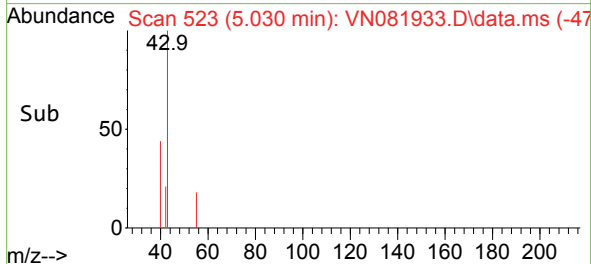
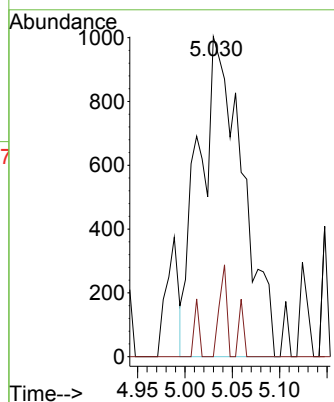


#18
Methyl Acetate
Concen: 0.900 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

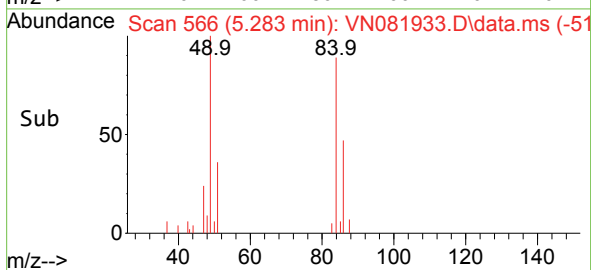
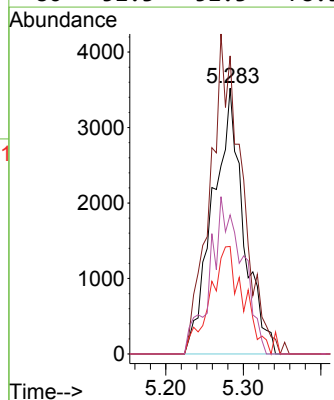
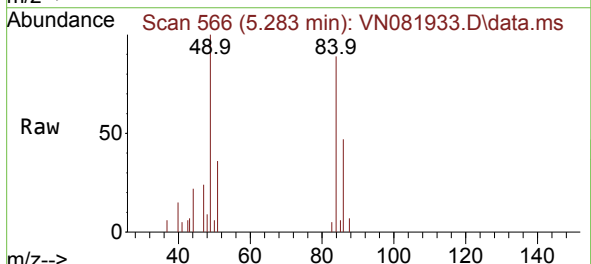


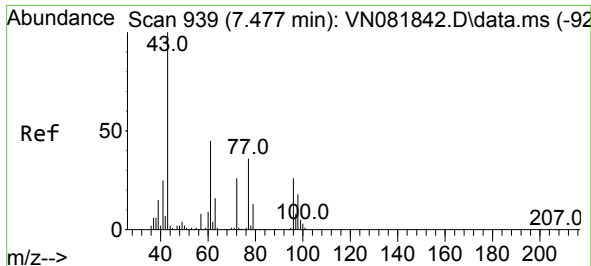
Tgt Ion: 43 Resp: 3219
Ion Ratio Lower Upper
43 100
74 4.8 22.2 33.2#



#20
Methylene Chloride
Concen: 3.197 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

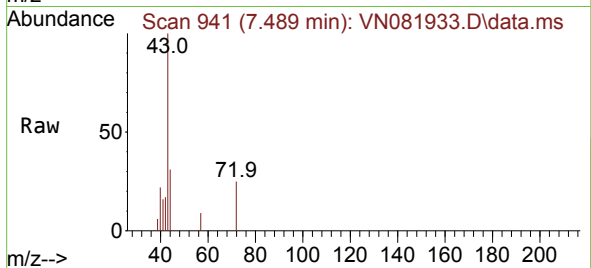
Tgt Ion: 84 Resp: 9678
Ion Ratio Lower Upper
84 100
49 112.2 84.9 127.3
51 40.4 27.0 40.6
86 52.3 52.3 78.5#



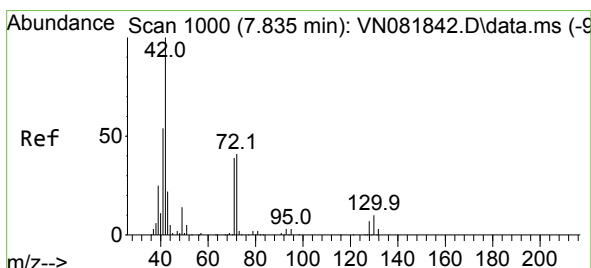
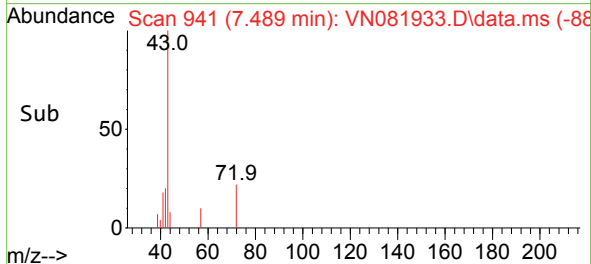
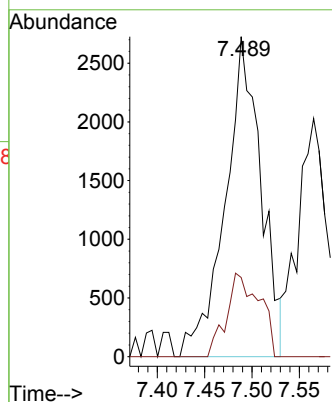


#25
2-Butanone
Concen: 3.561 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

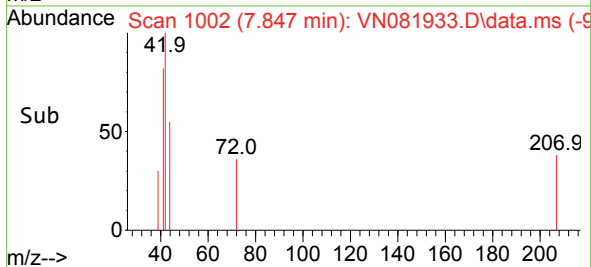
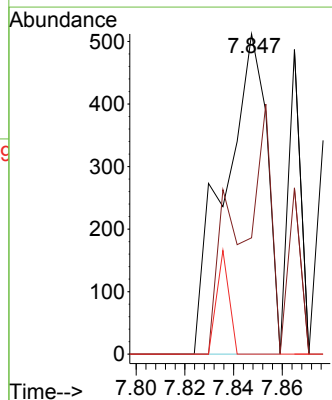
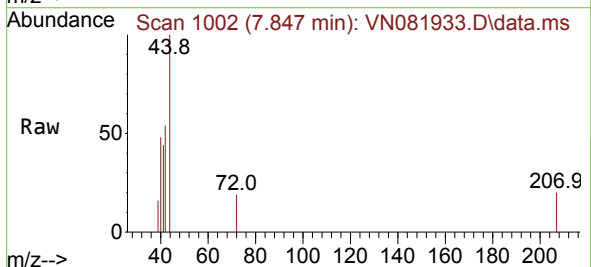


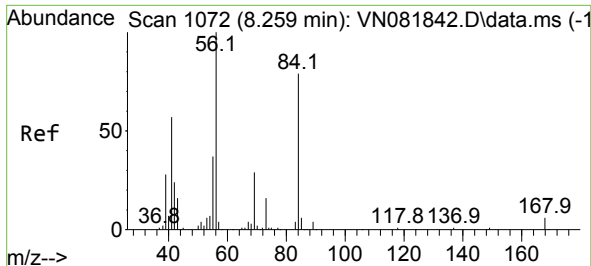
Tgt Ion: 43 Resp: 7141
Ion Ratio Lower Upper
43 100
72 24.8 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.429 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

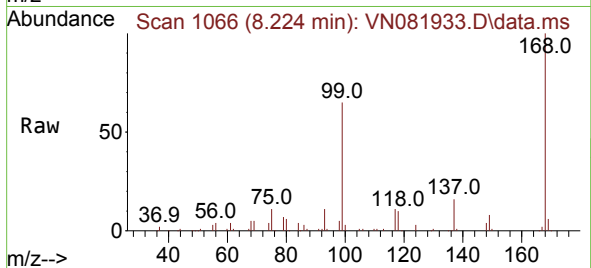
Tgt Ion: 42 Resp: 617
Ion Ratio Lower Upper
42 100
72 73.7 39.3 58.9#
71 9.6 37.4 56.0#



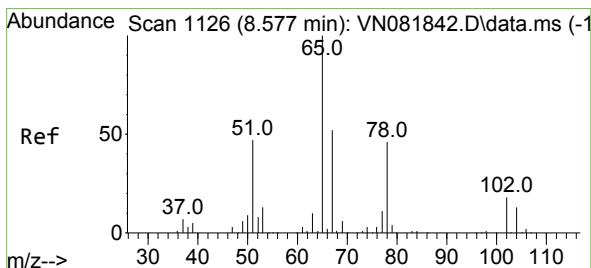
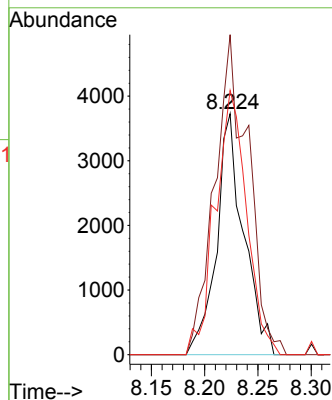
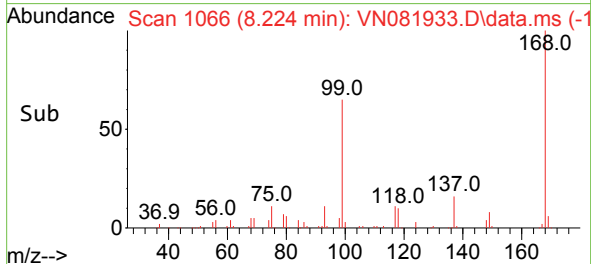


#31
Cyclohexane
Concen: 1.234 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

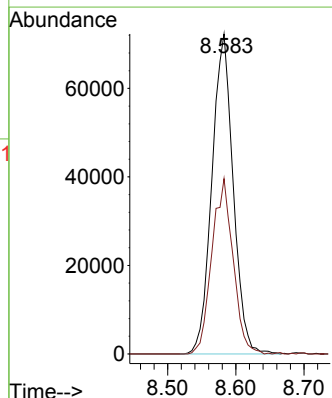
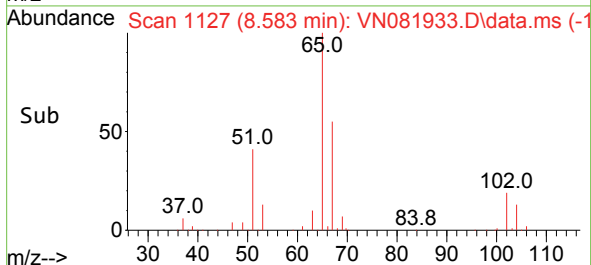
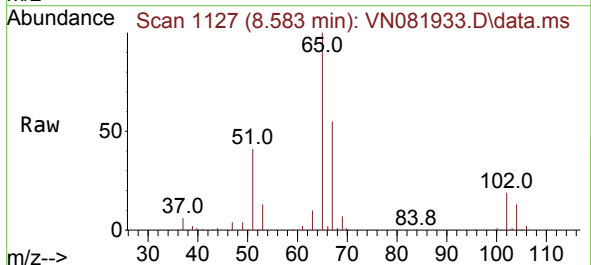


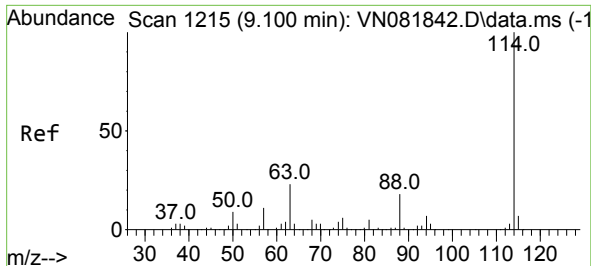
Tgt Ion: 56 Resp: 6567
Ion Ratio Lower Upper
56 100
69 132.8 24.4 36.6#
84 113.8 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 44.466 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Tgt Ion: 65 Resp: 157088
Ion Ratio Lower Upper
65 100
67 54.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081933.D

Acq: 30 Apr 2024 16:05

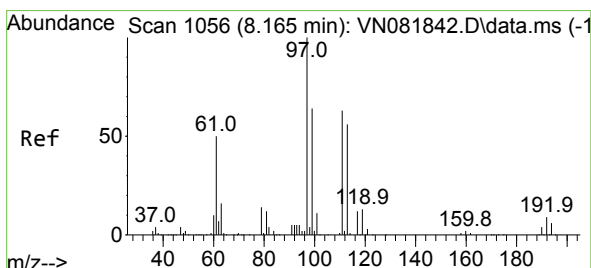
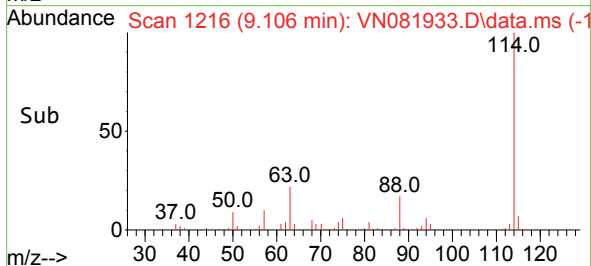
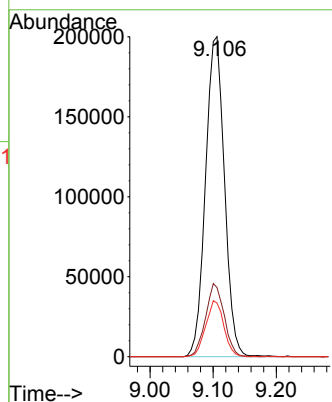
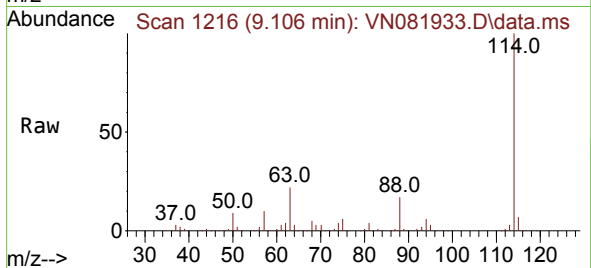
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:114 Resp: 417444

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.0
88	16.8	0.0	31.4



#35

Dibromofluoromethane

Concen: 49.161 ug/l

RT: 8.171 min Scan# 1057

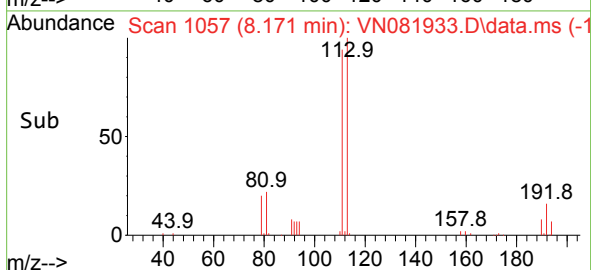
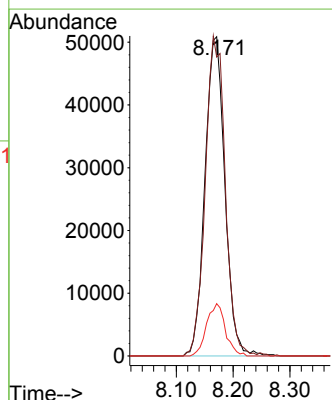
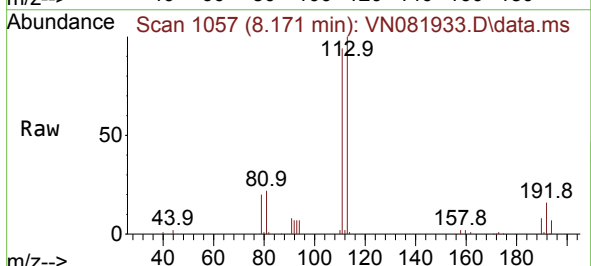
Delta R.T. 0.006 min

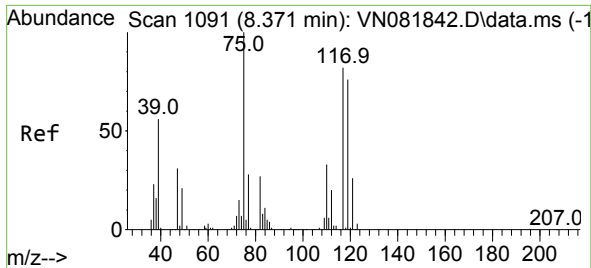
Lab File: VN081933.D

Acq: 30 Apr 2024 16:05

Tgt Ion:113 Resp: 123559

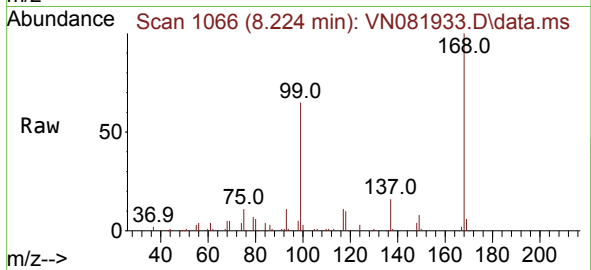
Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.4	125.2
192	15.5	14.0	21.0



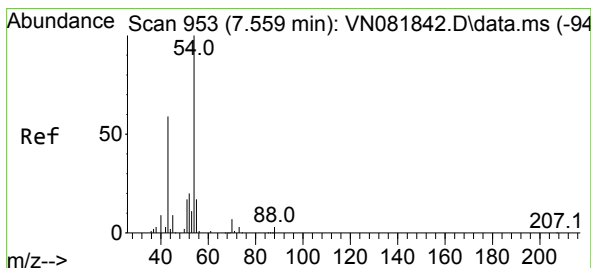
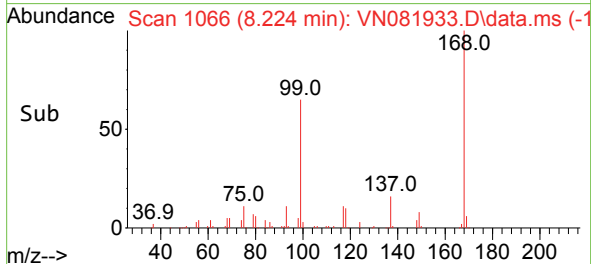
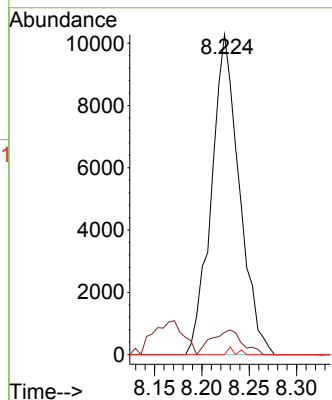


#36
1,1-Dichloropropene
Concen: 5.152 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

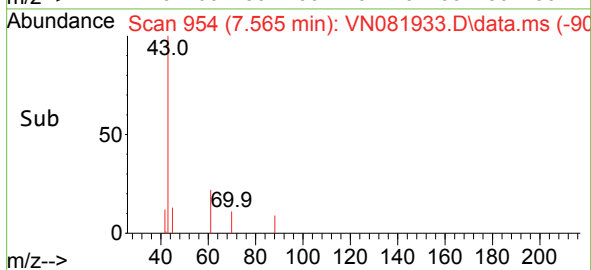
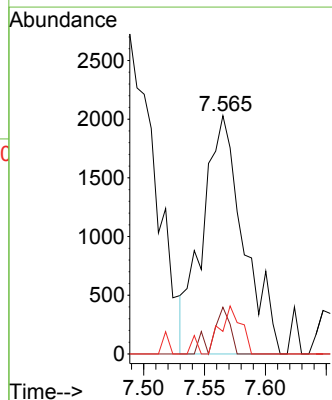
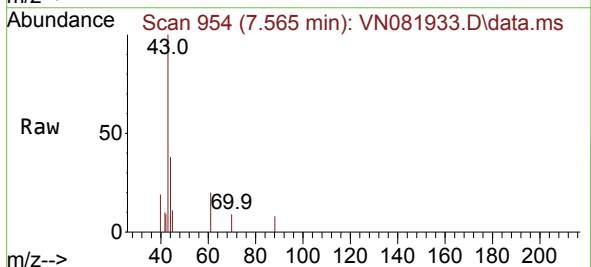


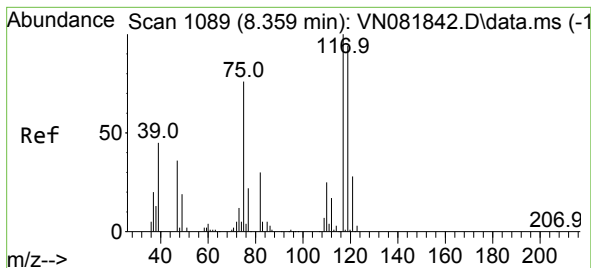
Tgt Ion: 75 Resp: 21065
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.5#
77 0.7 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.075 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Tgt Ion: 43 Resp: 4751
Ion Ratio Lower Upper
43 100
61 8.0 11.3 16.9#
70 10.1 8.7 13.1





#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

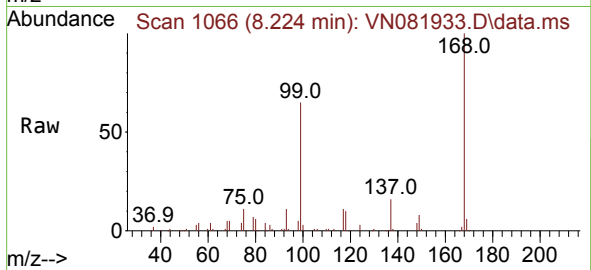
Lab File: VN081933.D

Acq: 30 Apr 2024 16:05

Instrument :

MSVOA_N

ClientSampleId :



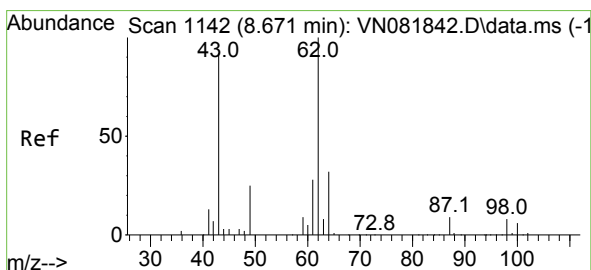
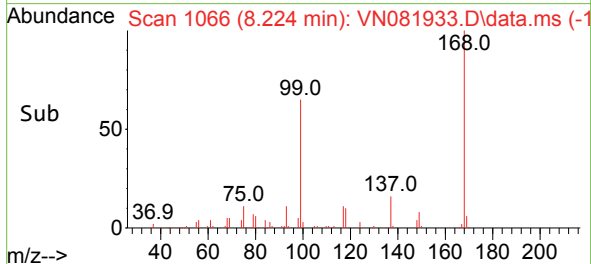
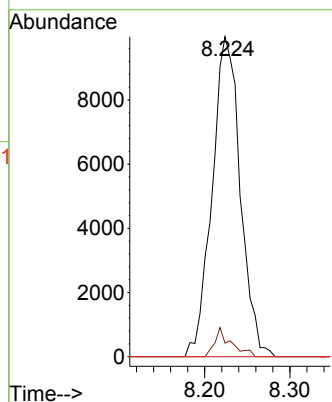
Tgt Ion:117 Resp: 22940

Ion Ratio Lower Upper

117 100

119 4.3 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.290 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN081933.D

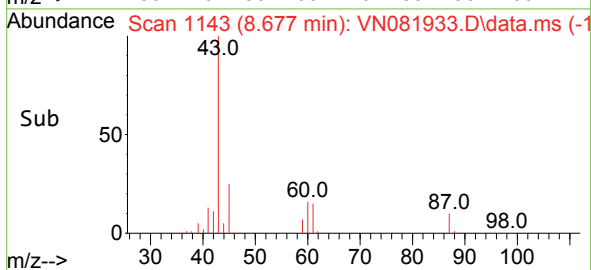
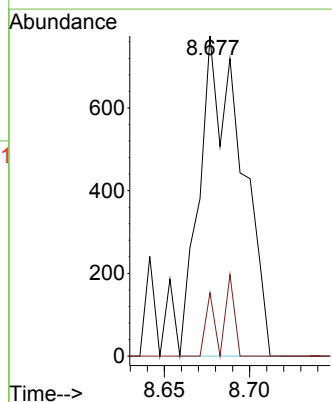
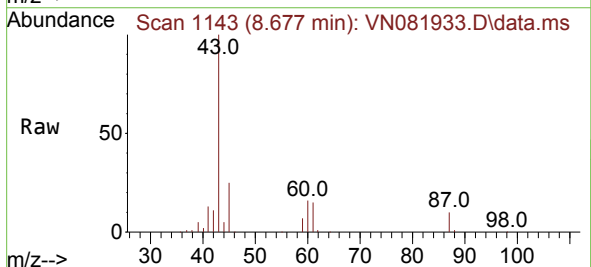
Acq: 30 Apr 2024 16:05

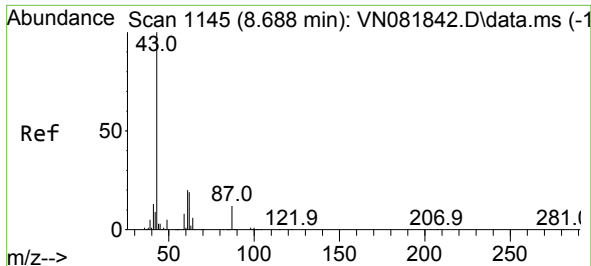
Tgt Ion: 62 Resp: 1320

Ion Ratio Lower Upper

62 100

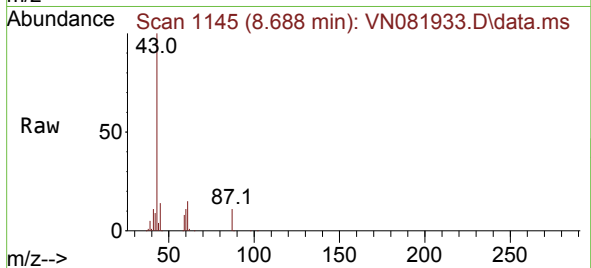
98 4.1 0.0 19.6



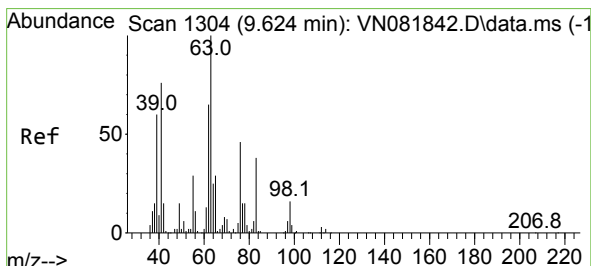
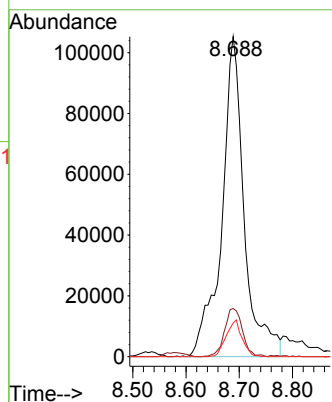
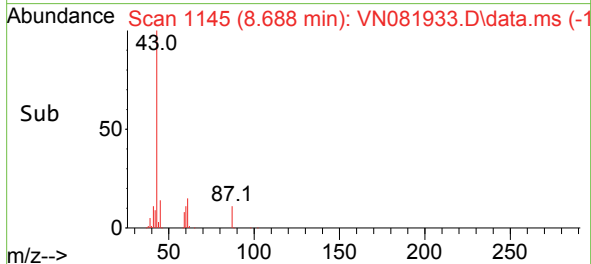


#43
Isopropyl Acetate
Concen: 36.992 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

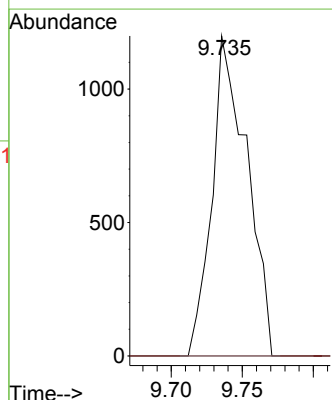
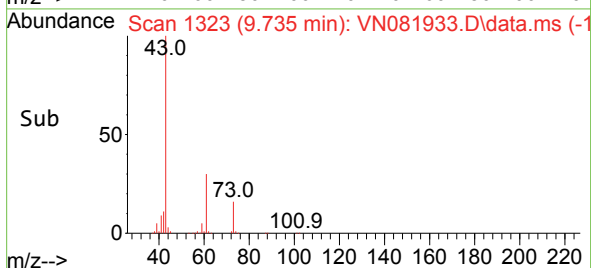
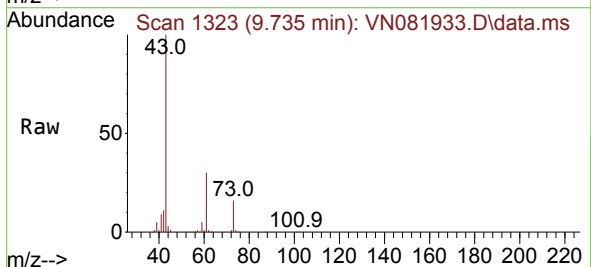


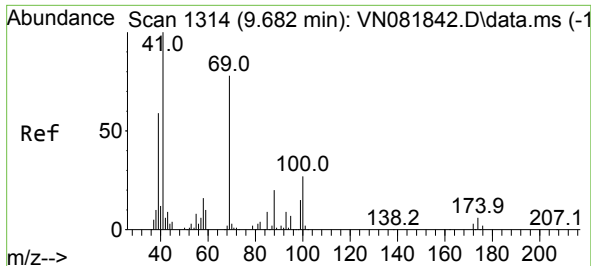
Tgt Ion: 43 Resp: 307502
Ion Ratio Lower Upper
43 100
61 12.0 22.8 34.2#
87 8.1 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.637 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Tgt Ion: 63 Resp: 2047
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

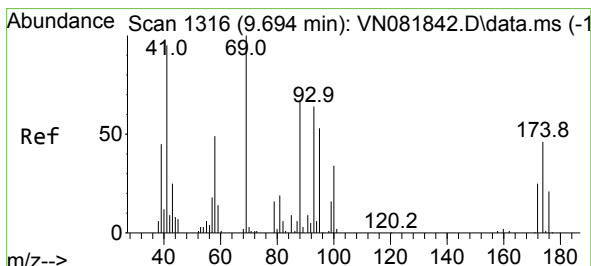
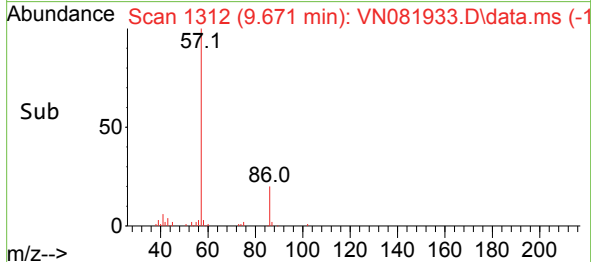
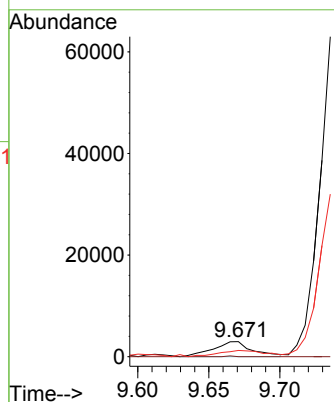
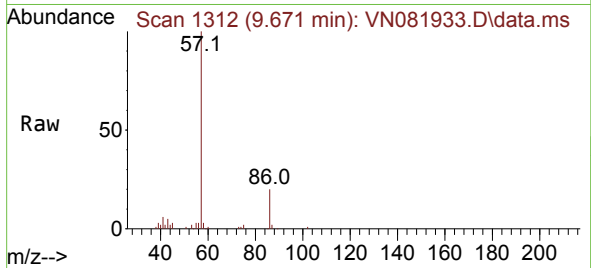




#48
Methyl methacrylate
Concen: 1.425 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

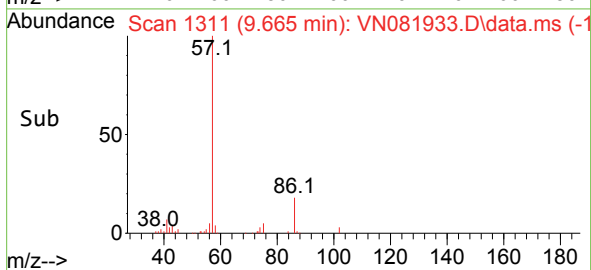
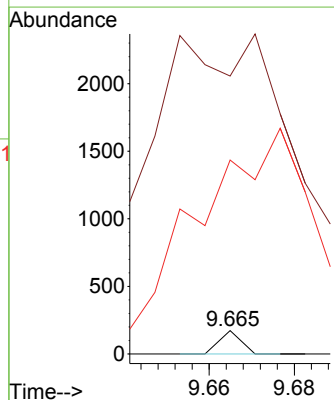
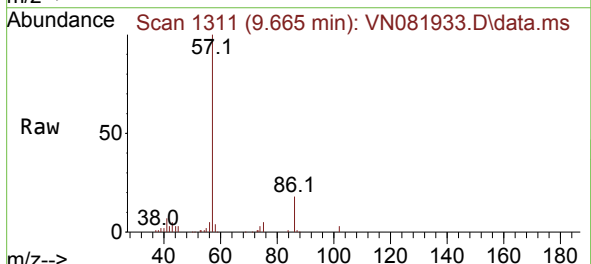
Instrument :
MSVOA_N
ClientSampleId :

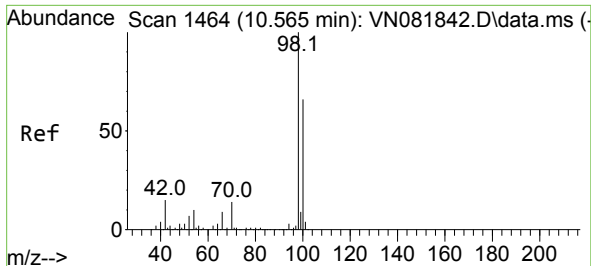
Tgt Ion: 41 Resp: 5654
Ion Ratio Lower Upper
41 100
69 1.0 77.9 116.9#
39 49.8 50.9 76.3#



#49
1,4-Dioxane
Concen: 1.011 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.029 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 5501.6 50.6 76.0#

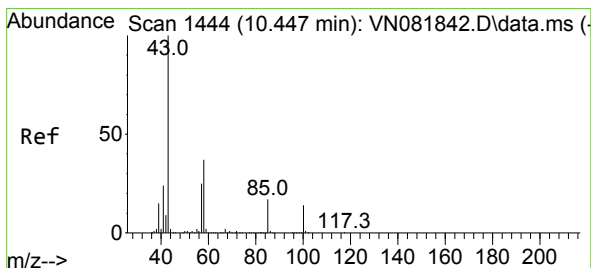
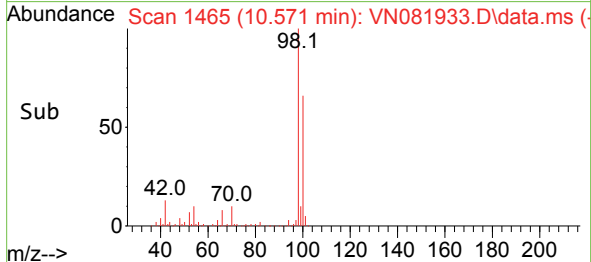
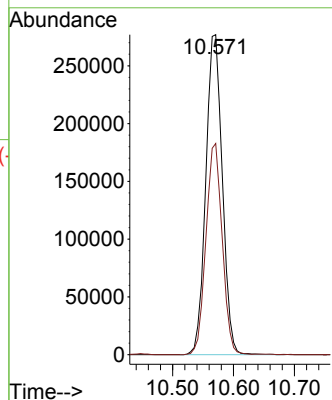
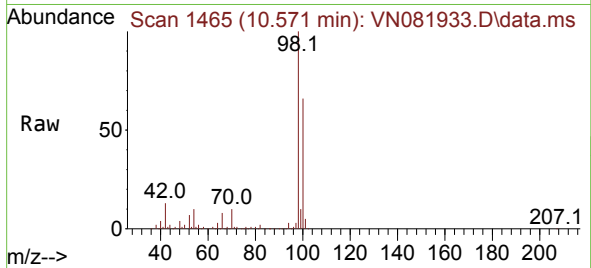




#50
Toluene-d8
Concen: 52.897 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

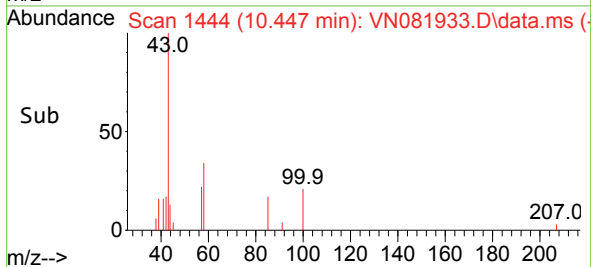
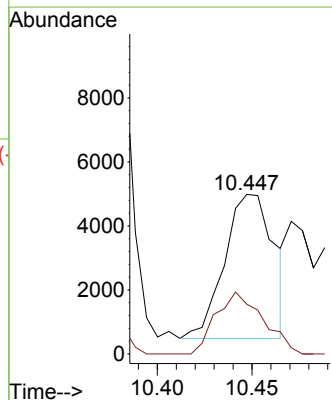
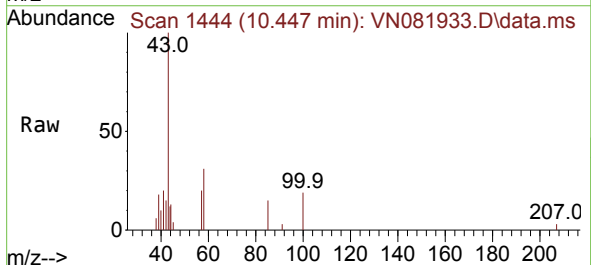
Instrument :
MSVOA_N
ClientSampleId :

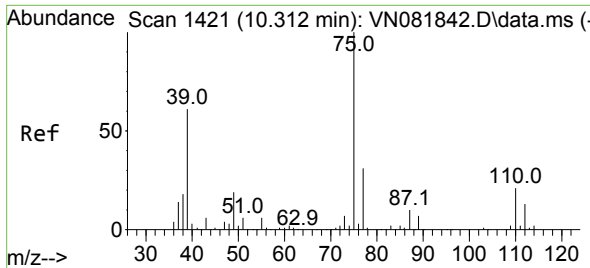
Tgt Ion: 98 Resp: 522151
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.746 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Tgt Ion: 43 Resp: 8171
Ion Ratio Lower Upper
43 100
58 41.0 33.2 49.8

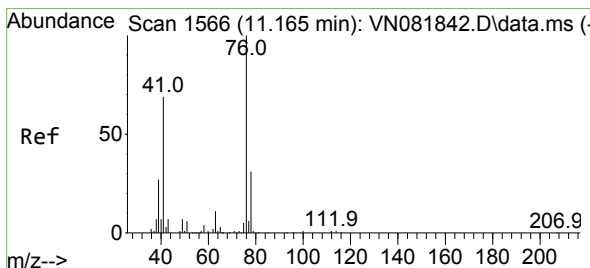
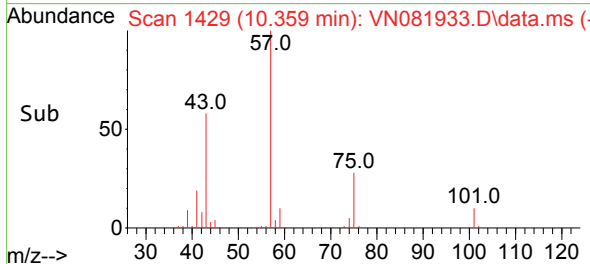
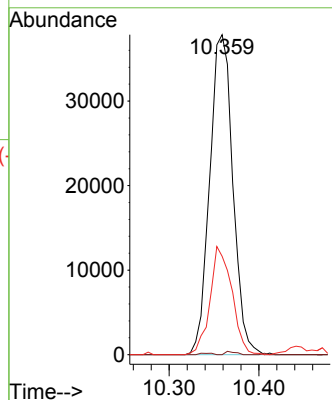
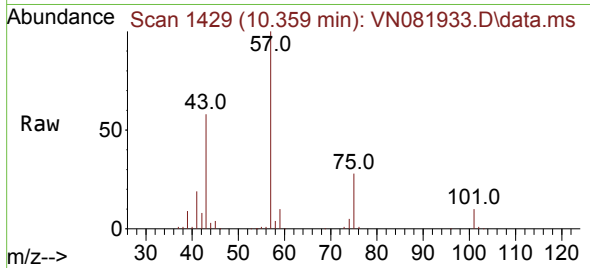




#54
cis-1,3-Dichloropropene
Concen: 12.918 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

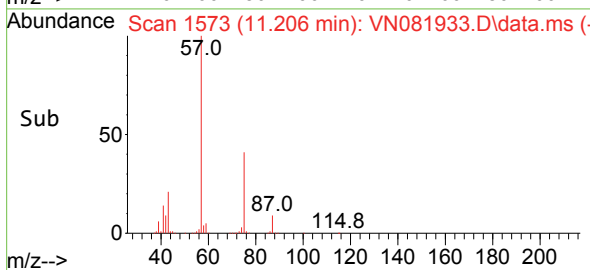
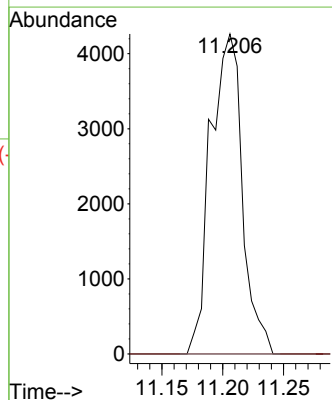
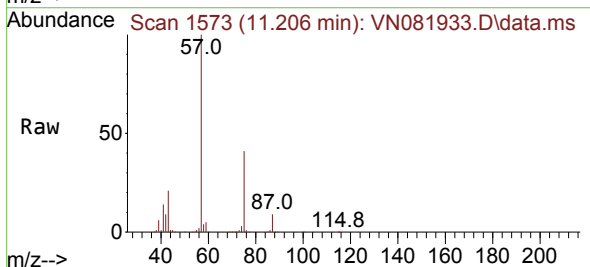
Instrument :
MSVOA_N
ClientSampleId :

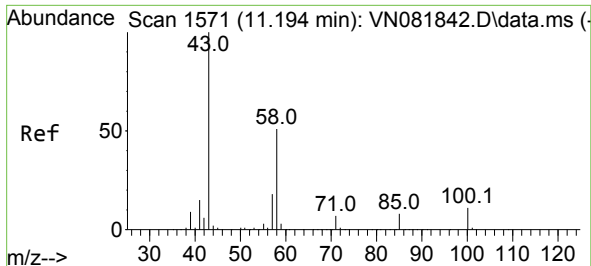
Tgt Ion: 75 Resp: 67835
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 30.8 34.8 52.2#



#57
1,3-Dichloropropane
Concen: 1.507 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Tgt Ion: 76 Resp: 7746
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

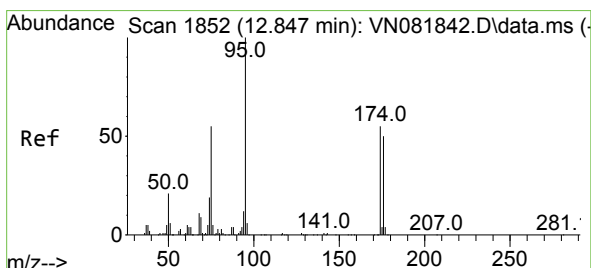
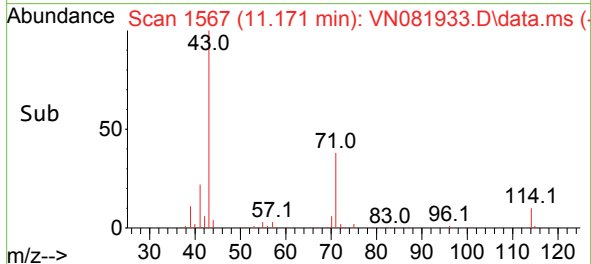
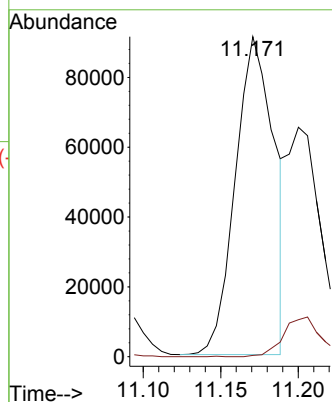
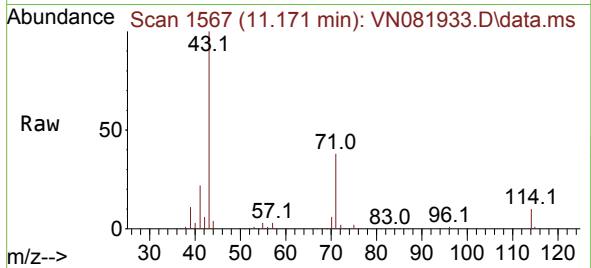




#59
2-Hexanone
Concen: 45.587 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

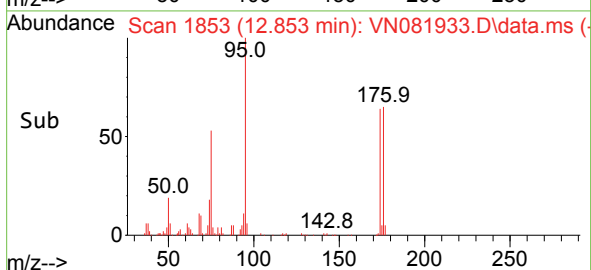
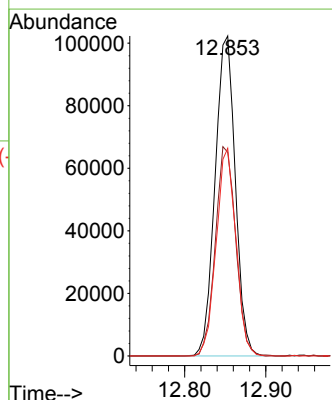
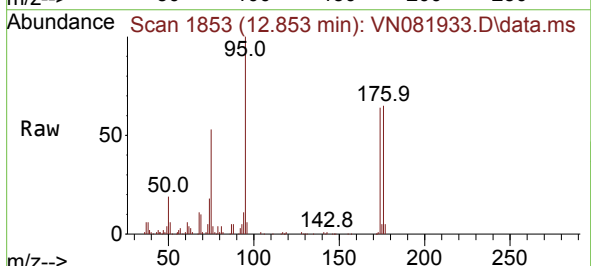
Instrument :
MSVOA_N
ClientSampleId :

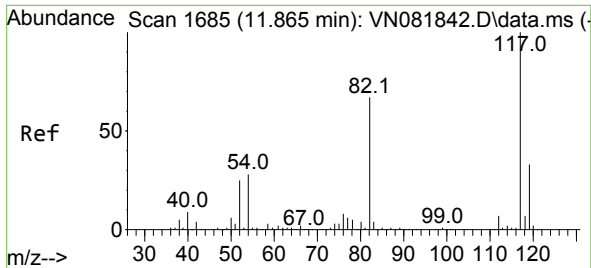
Tgt Ion: 43 Resp: 158761
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 45.454 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

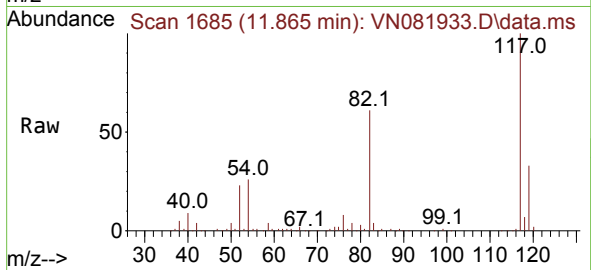
Tgt Ion: 95 Resp: 177367
Ion Ratio Lower Upper
95 100
174 66.0 0.0 160.6
176 63.3 0.0 152.8



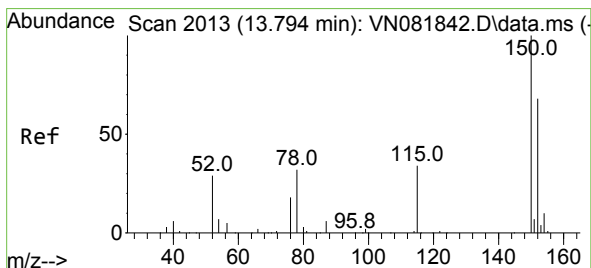
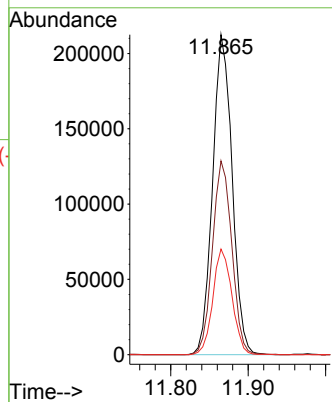
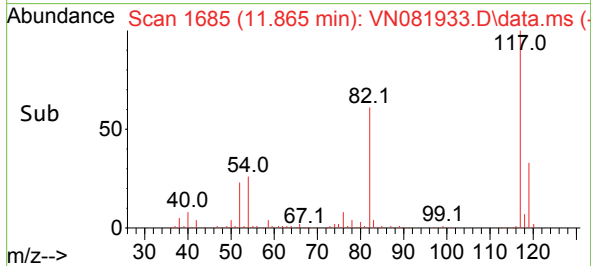


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

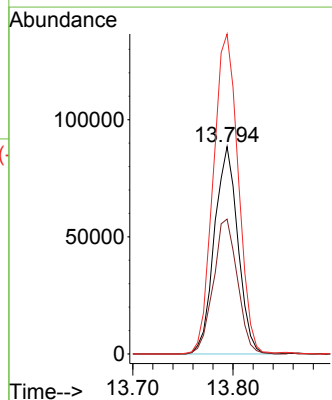
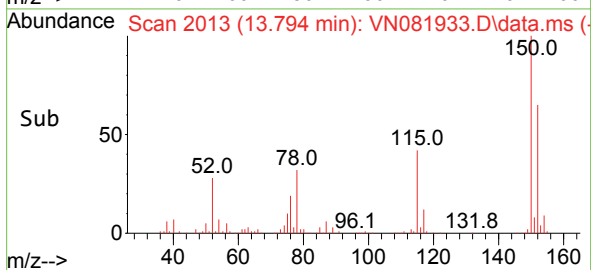
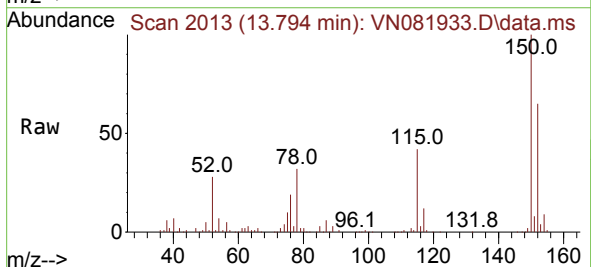


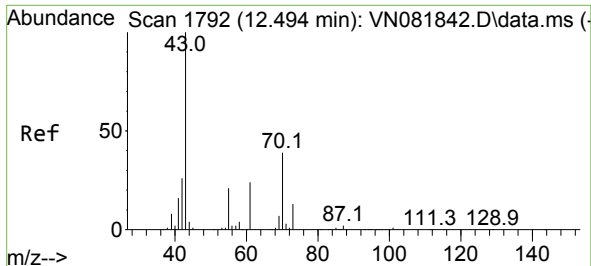
Tgt Ion:117 Resp: 371731
Ion Ratio Lower Upper
117 100
82 60.5 44.6 66.8
119 33.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

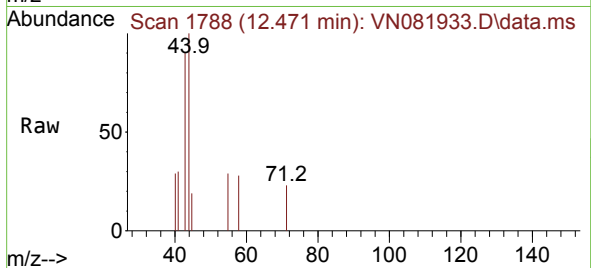
Tgt Ion:152 Resp: 144240
Ion Ratio Lower Upper
152 100
115 66.4 30.4 91.3
150 163.8 0.0 353.2



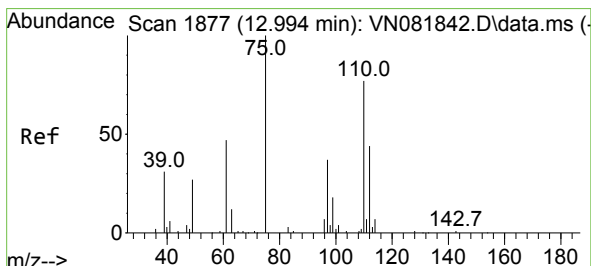
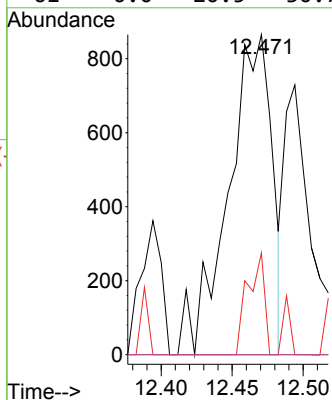
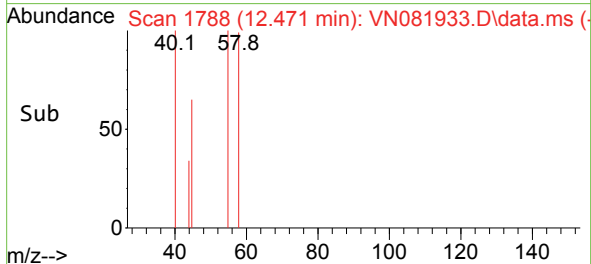


#74
N-ethyl acetate
Concen: 0.261 ug/l
RT: 12.471 min Scan# 1853
Delta R.T. -0.023 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

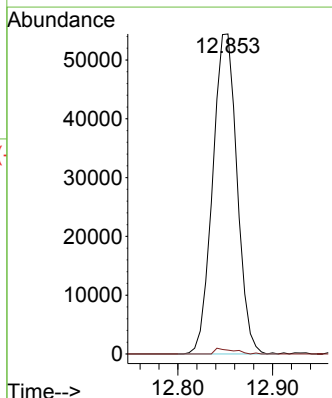
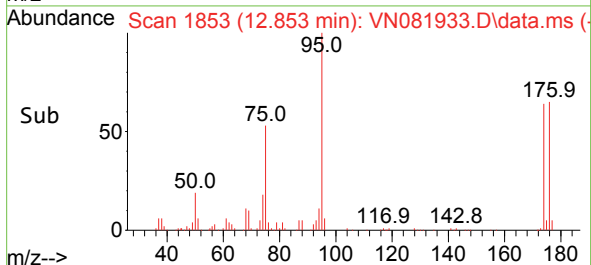
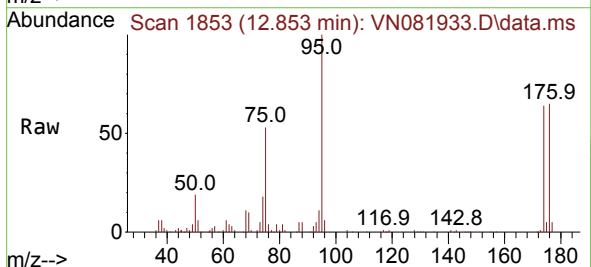


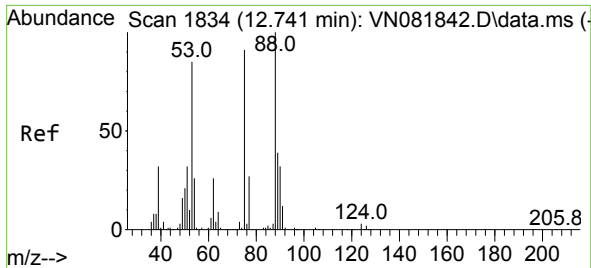
Tgt Ion: 43 Resp: 1866
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 12.2 21.3 31.9#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 26.041 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

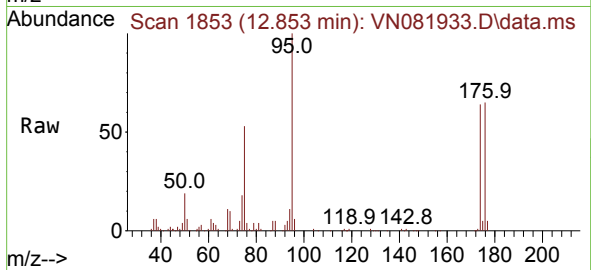
Tgt Ion: 75 Resp: 97389
Ion Ratio Lower Upper
75 100
77 1.4 90.5 271.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 53.361 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN081933.D
Acq: 30 Apr 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.9	109.3#
89	0.0	39.1	58.7#

