

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082078.D
 Acq On : 10 May 2024 18:33
 Operator : JC\MD
 Sample : P2423-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:27:03 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

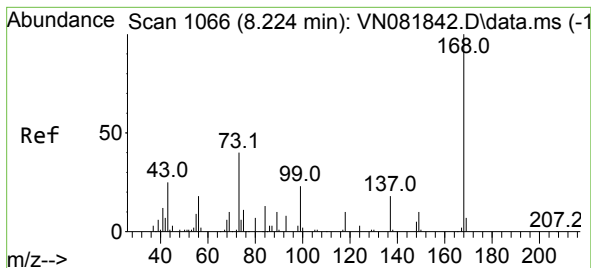
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	120459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	267792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	248363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	110919	54.558	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.120%			
35) Dibromofluoromethane	8.165	113	78479	48.674	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.340%			
50) Toluene-d8	10.570	98	343513	54.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.500%			
62) 4-Bromofluorobenzene	12.847	95	113929	45.513	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.020%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	412	0.234	ug/l #	59
5) Bromomethane	2.953	94	57	Below Cal	#	3
13) Acrolein	4.171	56	438	Below Cal	#	50
16) Acetone	4.430	43	38332	59.596	ug/l	98
18) Methyl Acetate	5.018	43	1470	0.714	ug/l #	62
20) Methylene Chloride	5.283	84	9542	5.477	ug/l #	86
25) 2-Butanone	7.488	43	4252	3.685	ug/l #	75
29) Tetrahydrofuran	7.853	42	711	0.859	ug/l #	36
31) Cyclohexane	8.224	56	4720	1.541	ug/l #	28
36) 1,1-Dichloropropene	8.224	75	13355	5.091	ug/l #	50
37) Ethyl Acetate	7.553	43	4630	1.633	ug/l #	75
38) Carbon Tetrachloride	8.224	117	13795	5.381	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1375	0.470	ug/l #	73
43) Isopropyl Acetate	8.688	43	298391	55.955	ug/l #	72
45) 1,2-Dichloropropane	9.729	63	2579	1.251	ug/l #	45
48) Methyl methacrylate	9.676	41	5065	1.990	ug/l #	37
49) 1,4-Dioxane	9.659	88	59	1.525	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	124585	41.501	ug/l #	43
53) t-1,3-Dichloropropene	10.735	75	1075	0.329	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	55752	16.550	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	6612	2.005	ug/l #	42
59) 2-Hexanone	11.170	43	140854	63.048	ug/l #	23
71) Bromoform	12.841	173	573	0.413	ug/l #	28
74) N-amyl acetate	12.488	43	1318	0.294	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	66118	28.161	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66118	57.705	ug/l #	12

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

Quant Time: May 10 23:27:03 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: VN082078.D

Acq: 10 May 2024 18:33

Instrument :

MSVOA_N

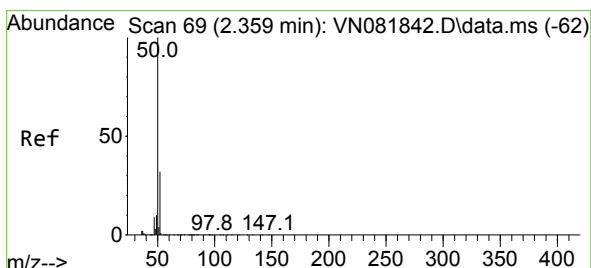
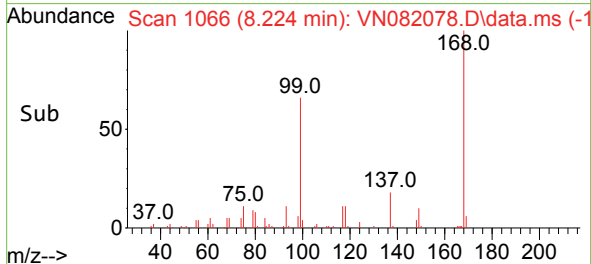
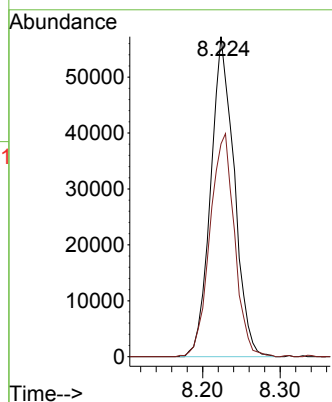
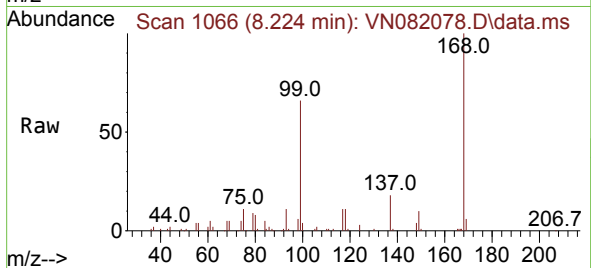
ClientSampleId :

Tgt Ion:168 Resp: 120459

Ion Ratio Lower Upper

168 100

99 66.5 48.2 72.4



#3

Chloromethane

Concen: 0.234 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082078.D

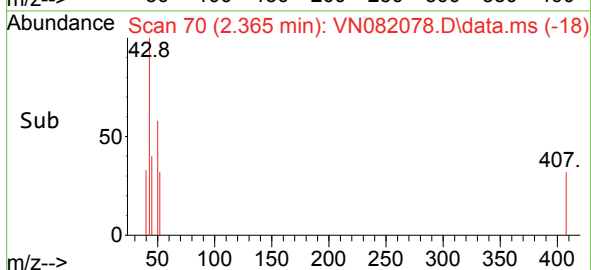
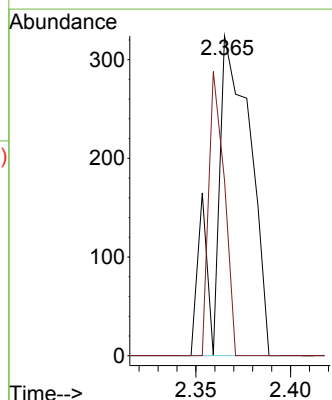
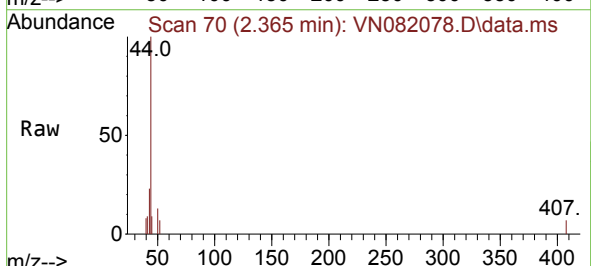
Acq: 10 May 2024 18:33

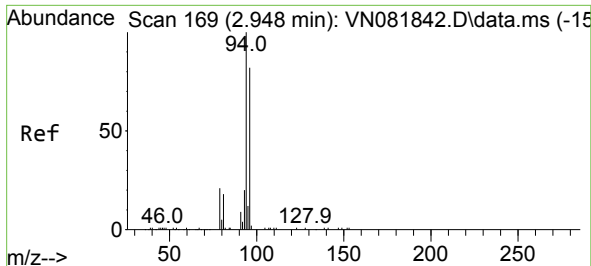
Tgt Ion: 50 Resp: 412

Ion Ratio Lower Upper

50 100

52 54.9 25.5 38.3#

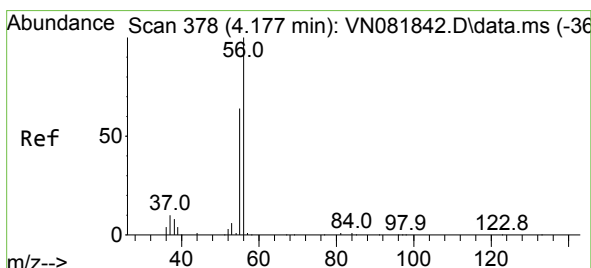
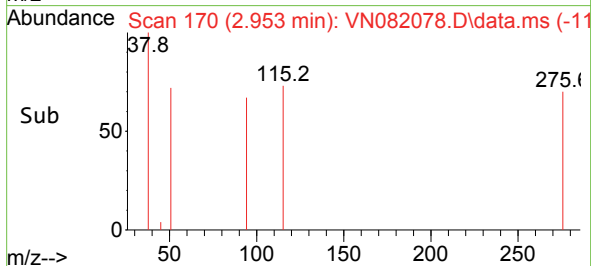
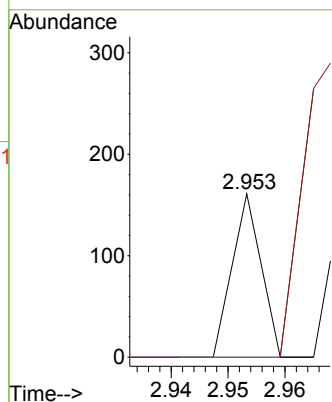
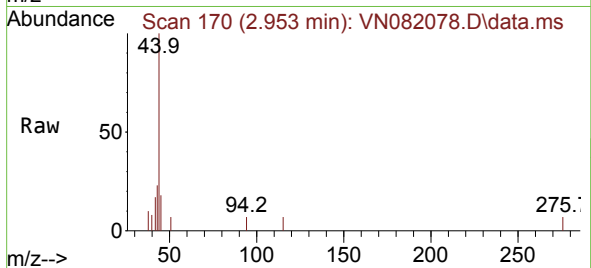




#5
Bromomethane
Concen: Below Cal
RT: 2.953 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

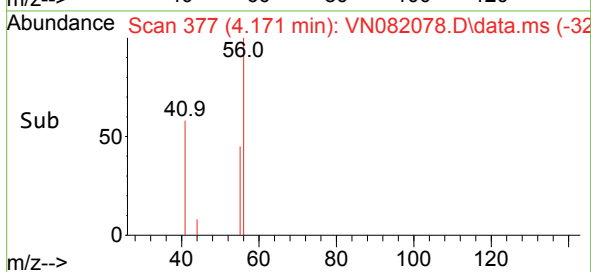
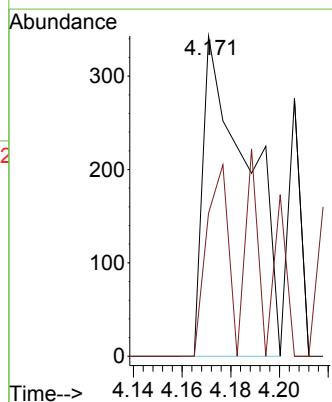
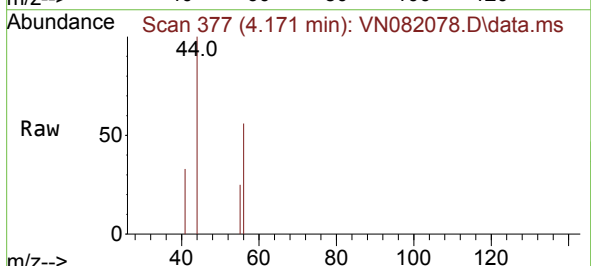
Instrument :
MSVOA_N
ClientSampleId :

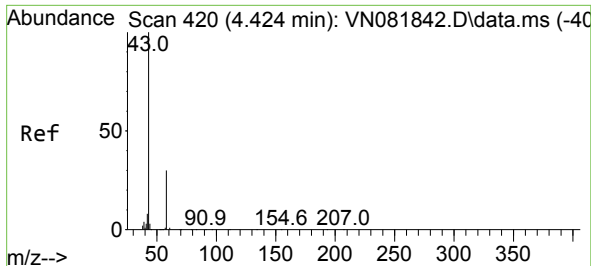
Tgt Ion: 94 Resp: 57
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

Tgt Ion: 56 Resp: 438
Ion Ratio Lower Upper
56 100
55 28.8 55.8 83.8#

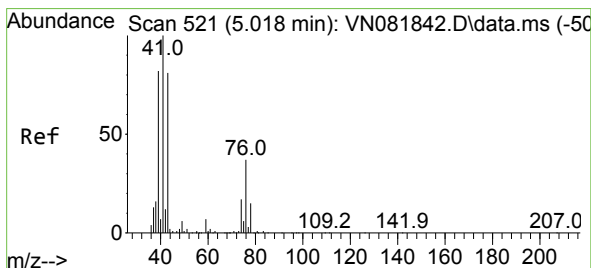
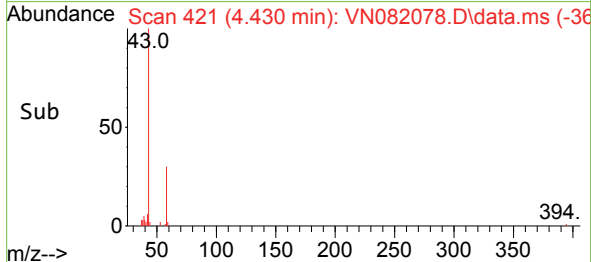
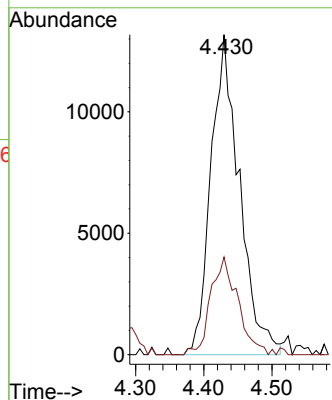
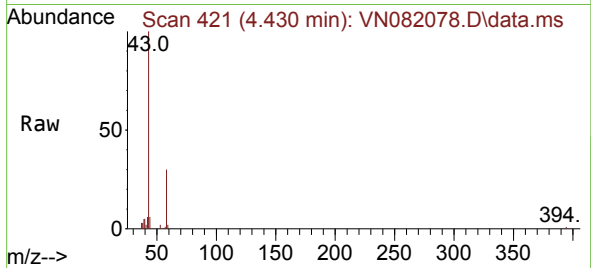




#16
Acetone
Concen: 59.596 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

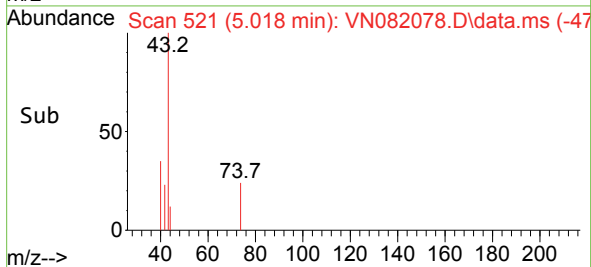
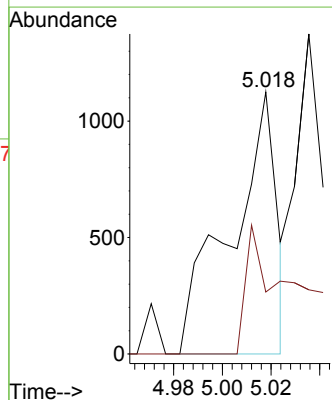
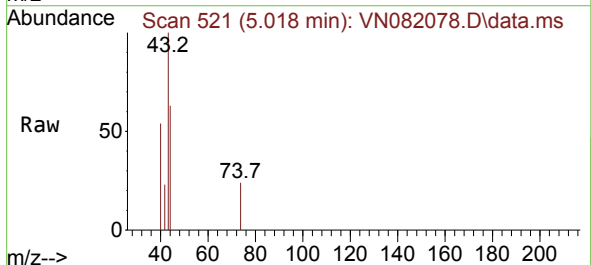
Instrument :
MSVOA_N
ClientSampleId :

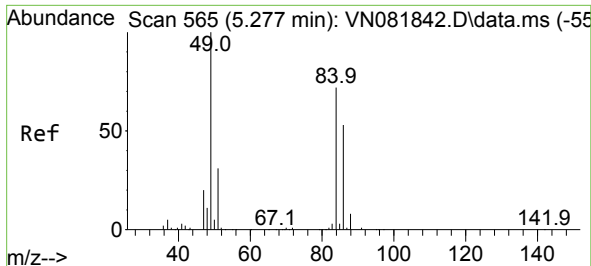
Tgt Ion: 43 Resp: 38332
Ion Ratio Lower Upper
43 100
58 30.5 25.2 37.8



#18
Methyl Acetate
Concen: 0.714 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

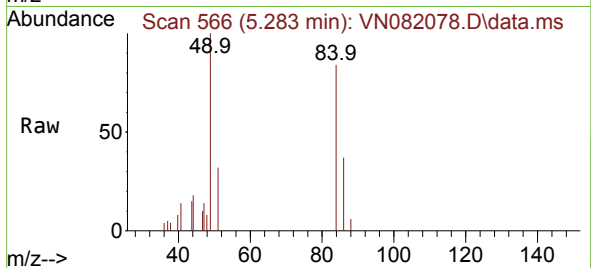
Tgt Ion: 43 Resp: 1470
Ion Ratio Lower Upper
43 100
74 47.5 22.2 33.2#



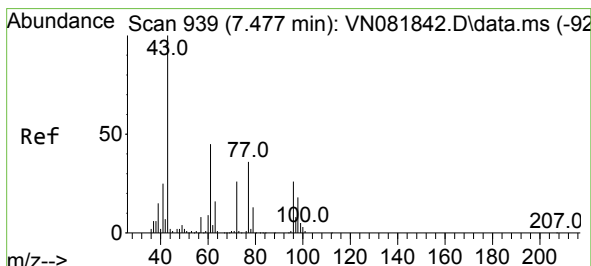
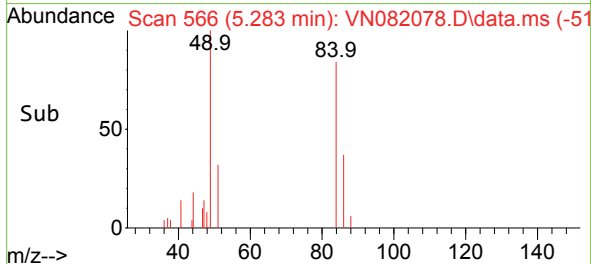
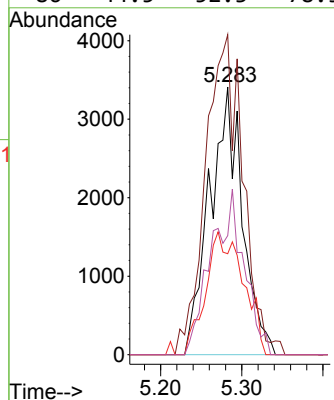


#20
Methylene Chloride
Concen: 5.477 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

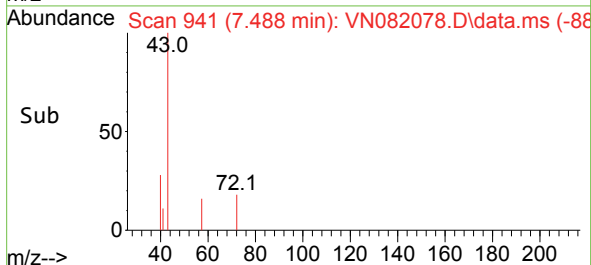
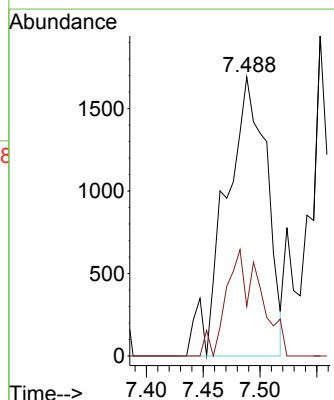
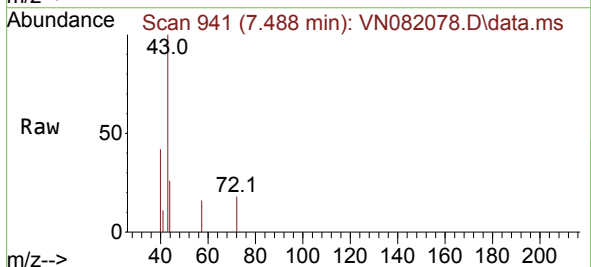


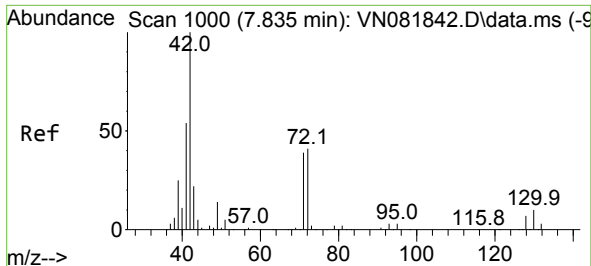
Tgt Ion:	84	Resp:	9542
Ion	Ratio	Lower	Upper
84	100		
49	114.6	84.9	127.3
51	37.7	27.0	40.6
86	44.5	52.3	78.5#



#25
2-Butanone
Concen: 3.685 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

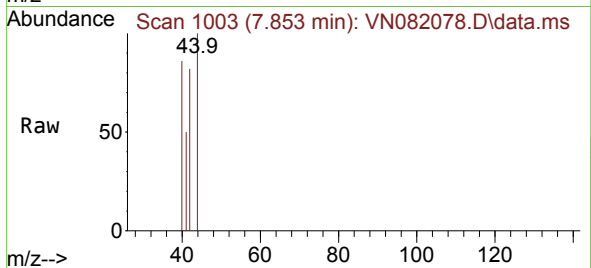
Tgt Ion:	43	Resp:	4252
Ion	Ratio	Lower	Upper
43	100		
72	17.8	25.3	37.9#



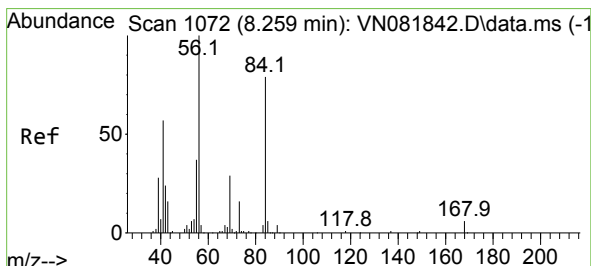
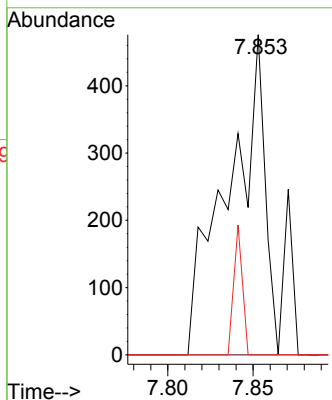
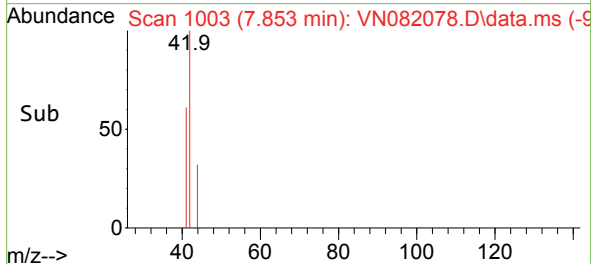


#29
Tetrahydrofuran
Concen: 0.859 ug/l
RT: 7.853 min Scan# 1066
Delta R.T. 0.018 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

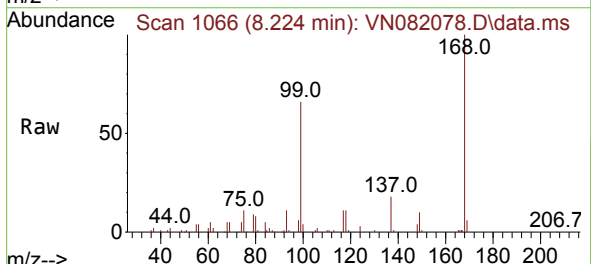
Instrument :
MSVOA_N
ClientSampleId :



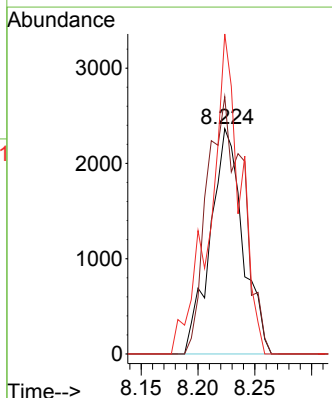
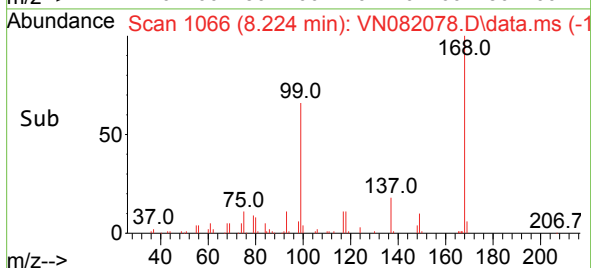
Tgt Ion: 42 Resp: 711
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 9.6 37.4 56.0#

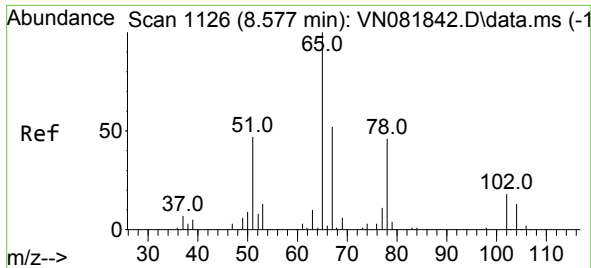


#31
Cyclohexane
Concen: 1.541 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33



Tgt Ion: 56 Resp: 4720
Ion Ratio Lower Upper
56 100
69 114.2 24.4 36.6#
84 142.0 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 54.558 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082078.D

Acq: 10 May 2024 18:33

Instrument :

MSVOA_N

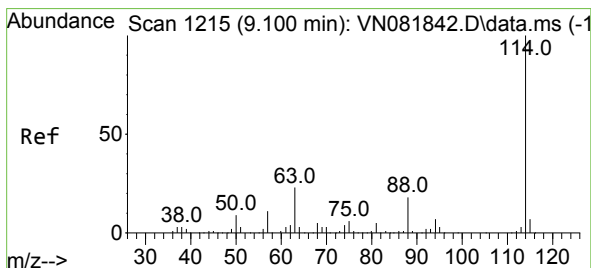
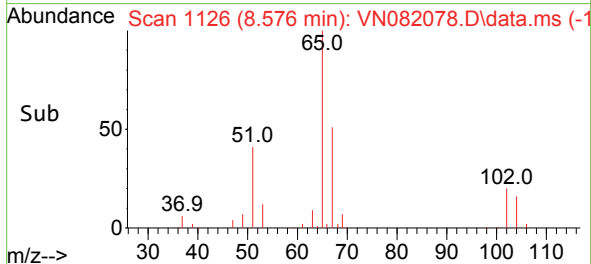
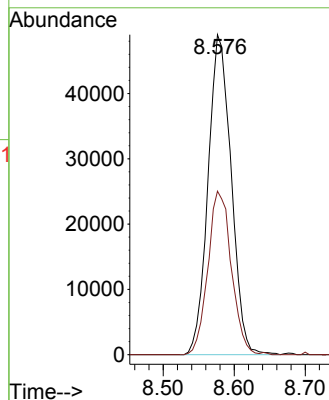
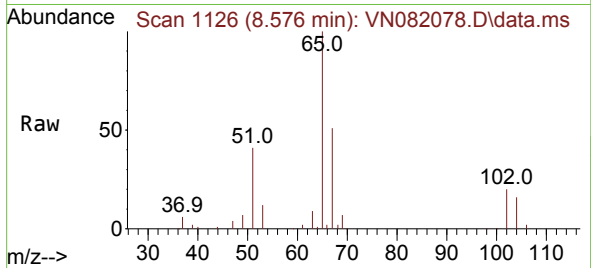
ClientSampleId :

Tgt Ion: 65 Resp: 110919

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082078.D

Acq: 10 May 2024 18:33

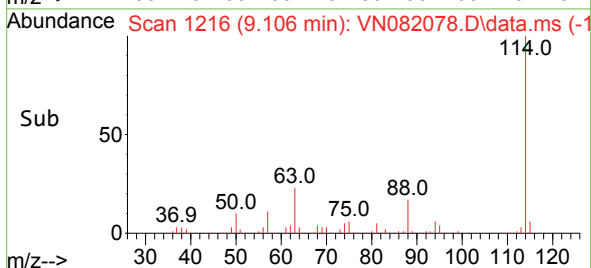
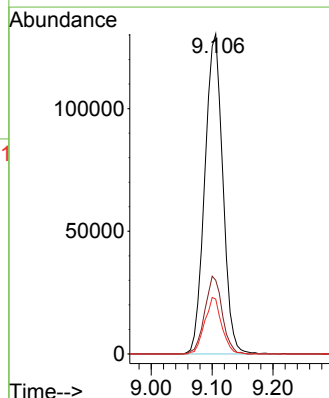
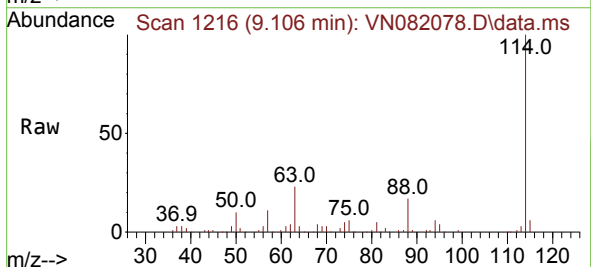
Tgt Ion: 114 Resp: 267792

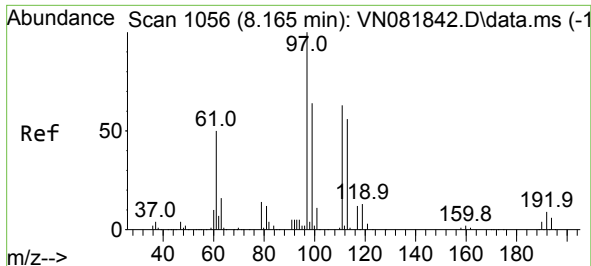
Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.0

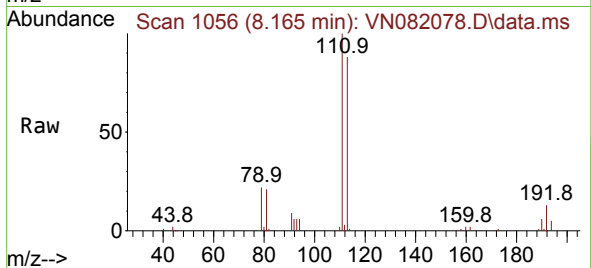
88 17.2 0.0 31.4



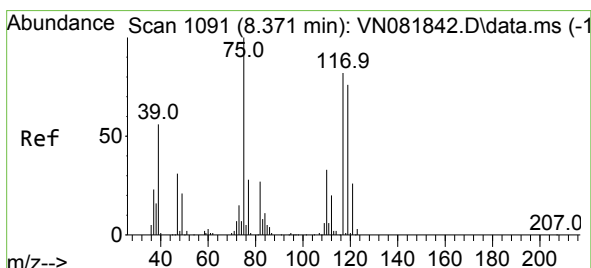
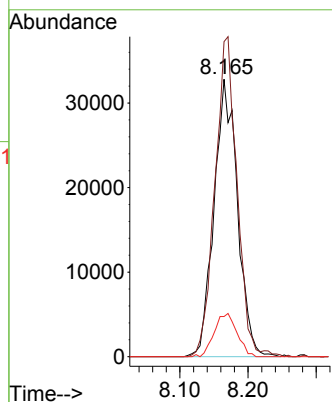
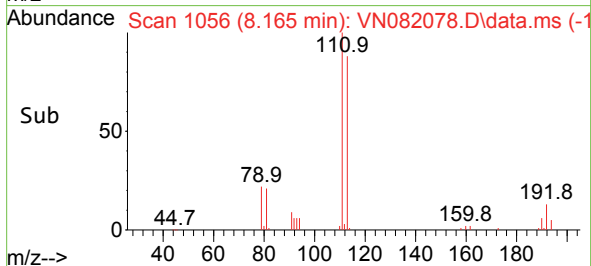


#35
 Dibromofluoromethane
 Concen: 48.674 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VN082078.D
 Acq: 10 May 2024 18:33

Instrument :
 MSVOA_N
 ClientSampleId :

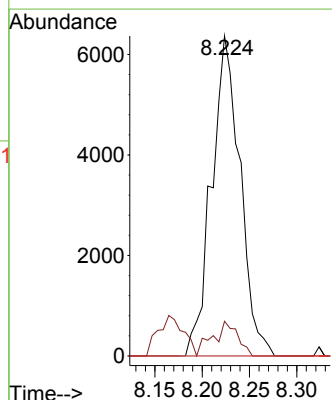
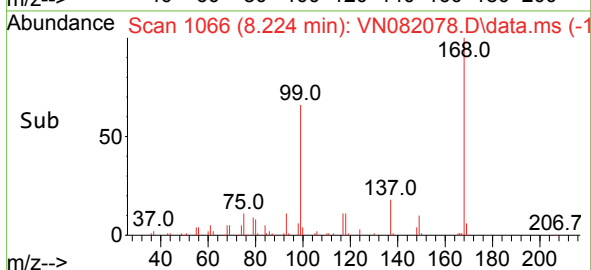
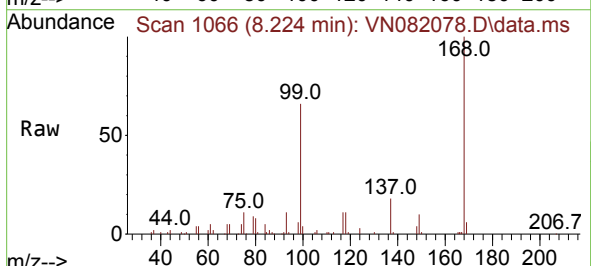


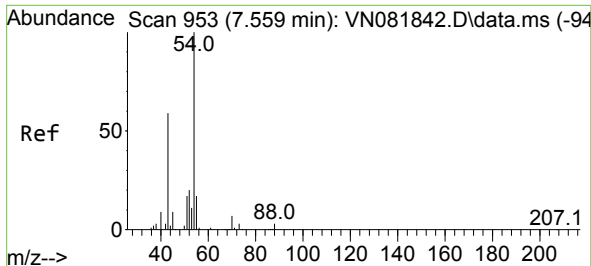
Tgt Ion:113 Resp: 78479
 Ion Ratio Lower Upper
 113 100
 111 108.9 83.4 125.2
 192 15.2 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 5.091 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN082078.D
 Acq: 10 May 2024 18:33

Tgt Ion: 75 Resp: 13355
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.8 53.5#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.633 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

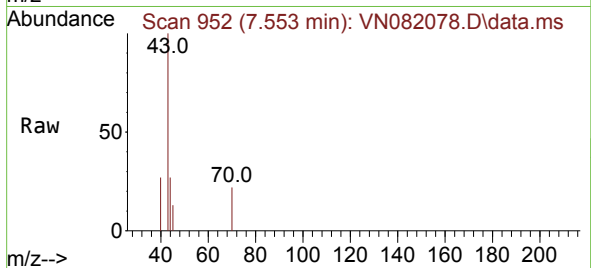
Lab File: VN082078.D

Acq: 10 May 2024 18:33

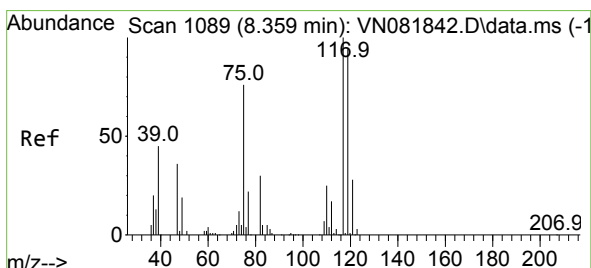
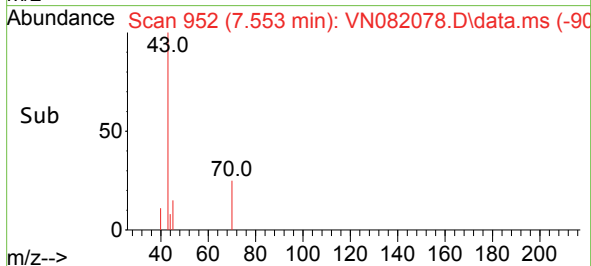
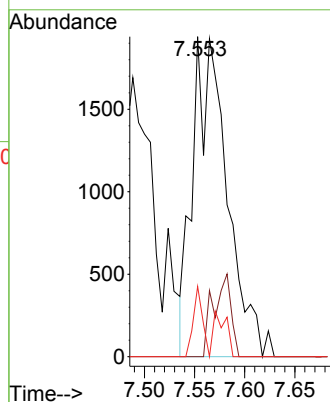
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4630
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	5.9	8.7	13.1#



#38

Carbon Tetrachloride

Concen: 5.381 ug/l

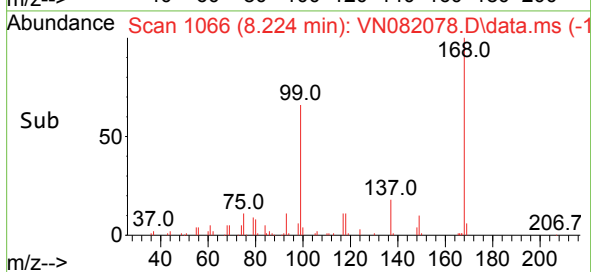
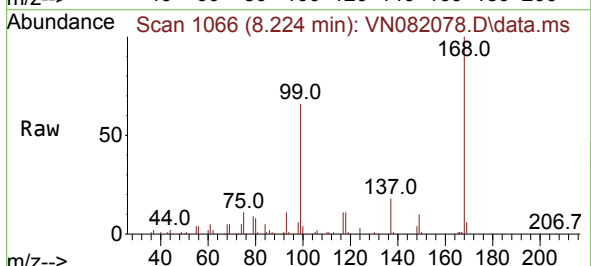
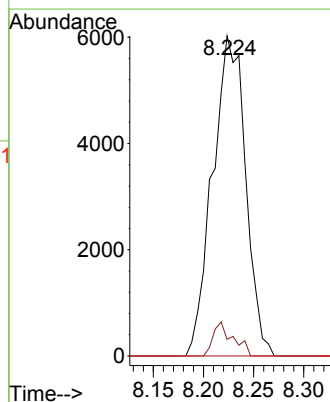
RT: 8.224 min Scan# 1066

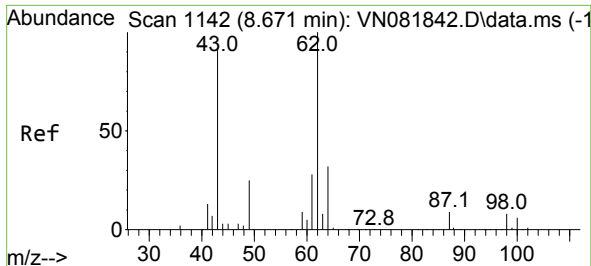
Delta R.T. -0.135 min

Lab File: VN082078.D

Acq: 10 May 2024 18:33

Tgt Ion:	117	Resp:	13795
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.5	114.7#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.470 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082078.D

Acq: 10 May 2024 18:33

Instrument :

MSVOA_N

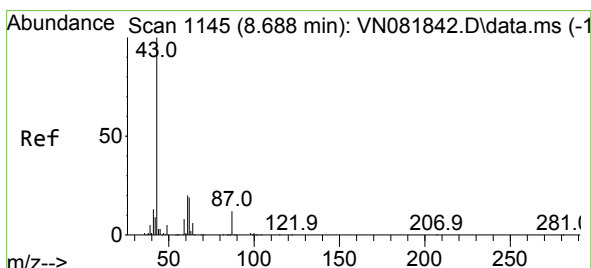
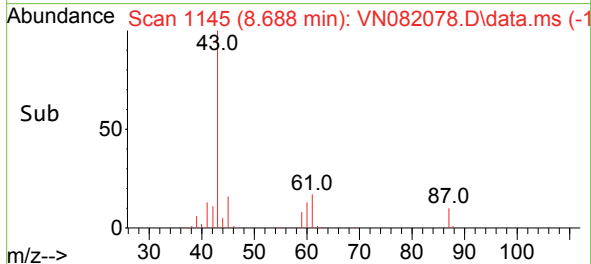
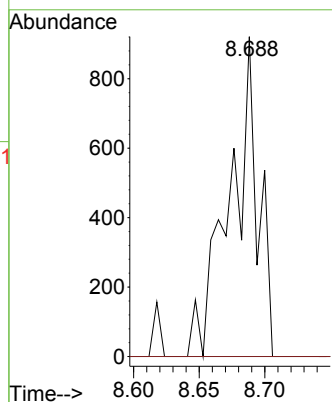
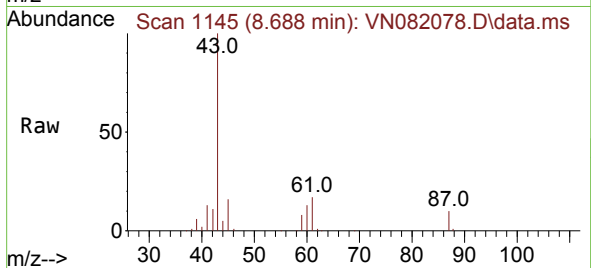
ClientSampleId :

Tgt Ion: 62 Resp: 1375

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 55.955 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082078.D

Acq: 10 May 2024 18:33

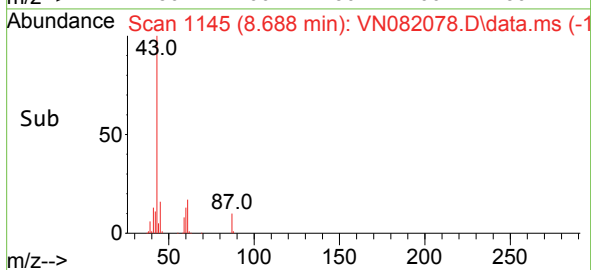
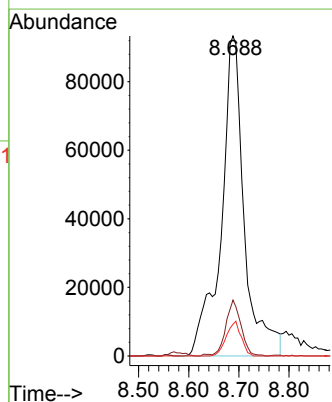
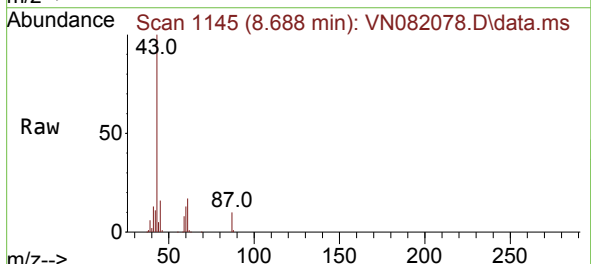
Tgt Ion: 43 Resp: 298391

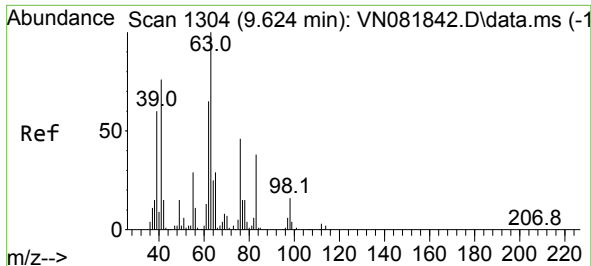
Ion Ratio Lower Upper

43 100

61 11.6 22.8 34.2#

87 7.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 1.251 ug/l

RT: 9.729 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN082078.D

Acq: 10 May 2024 18:33

Instrument :

MSVOA_N

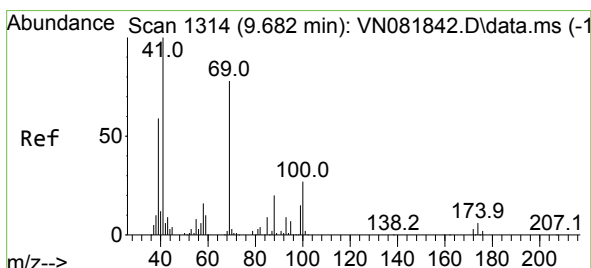
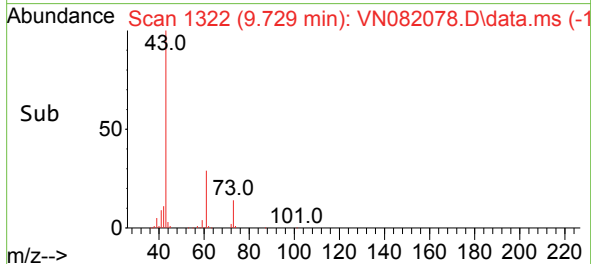
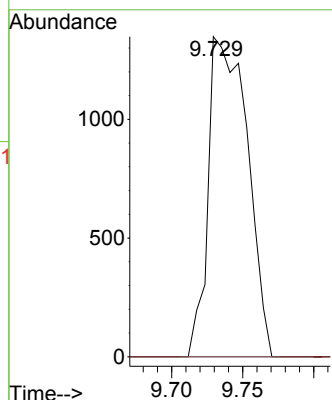
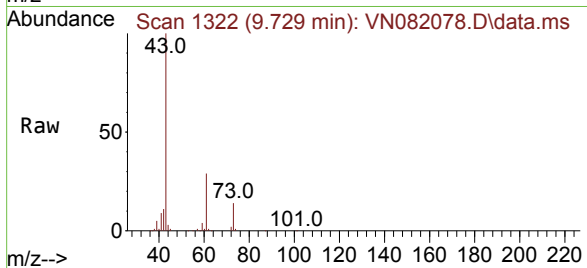
ClientSampleId :

Tgt Ion: 63 Resp: 2579

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.990 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.006 min

Lab File: VN082078.D

Acq: 10 May 2024 18:33

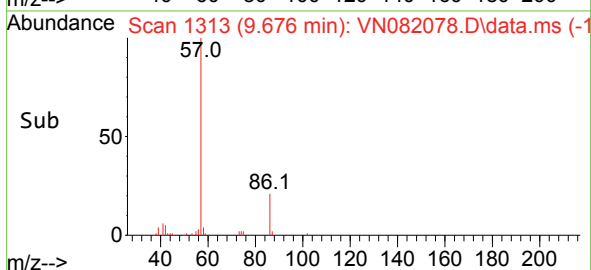
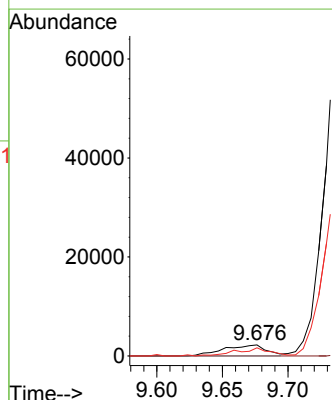
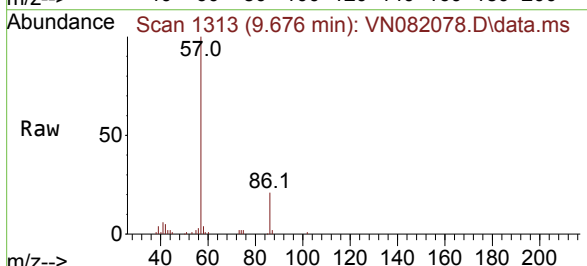
Tgt Ion: 41 Resp: 5065

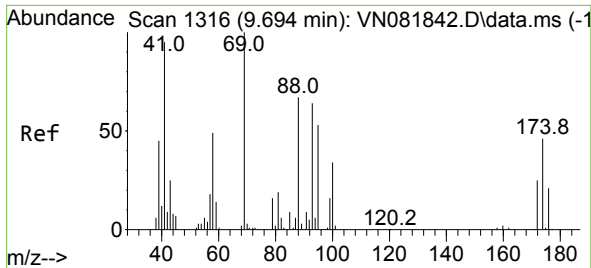
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

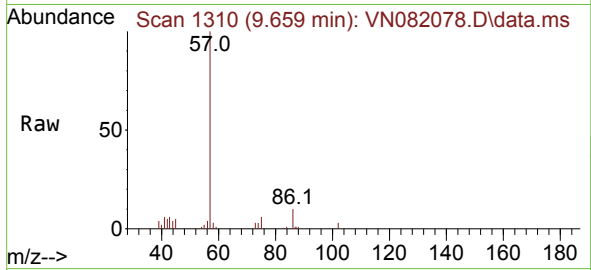
39 57.7 50.9 76.3



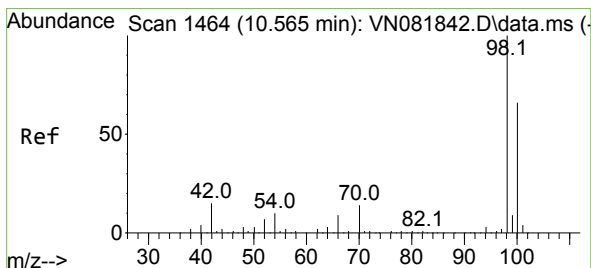
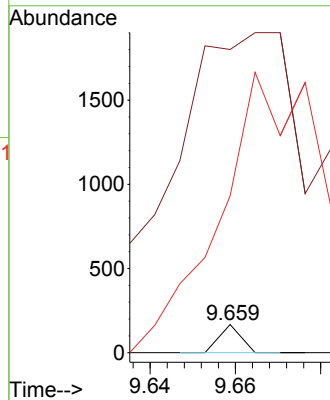
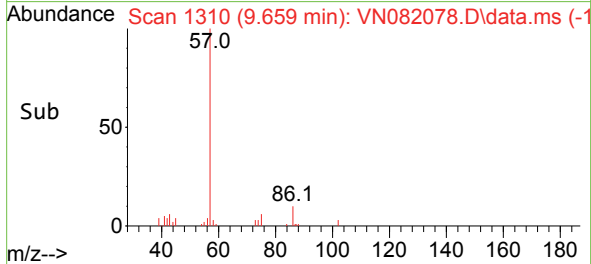


#49
1,4-Dioxane
Concen: 1.525 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

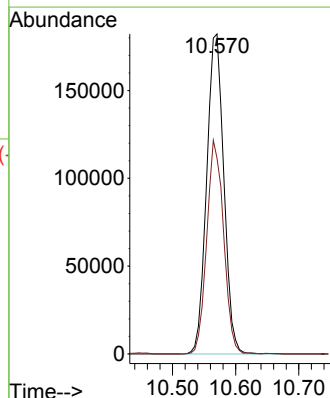
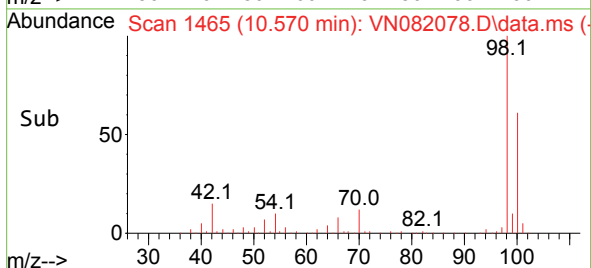
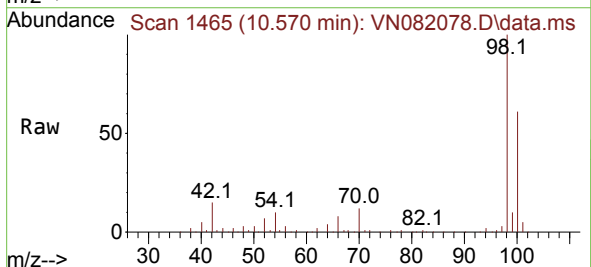


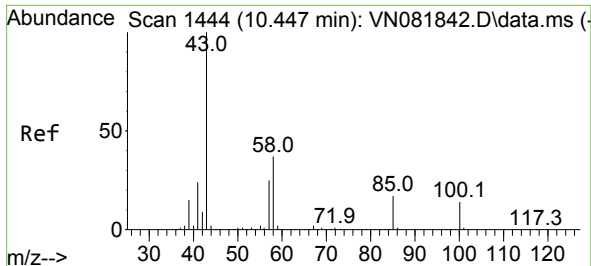
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 5283.1 50.6 76.0#



#50
Toluene-d8
Concen: 54.247 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

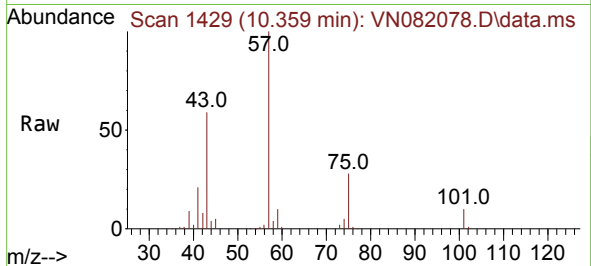
Tgt Ion: 98 Resp: 343513
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6



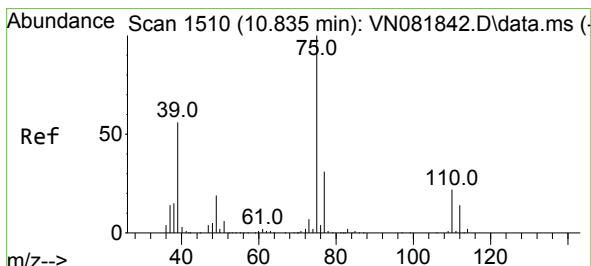
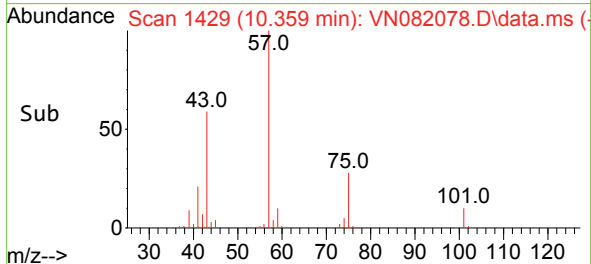
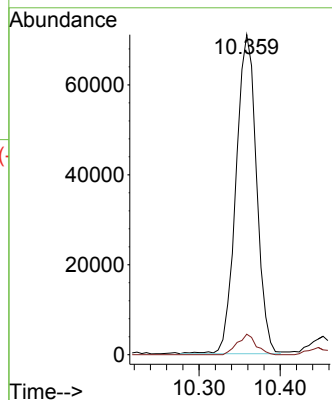


#51
4-Methyl-2-Pentanone
Concen: 41.501 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

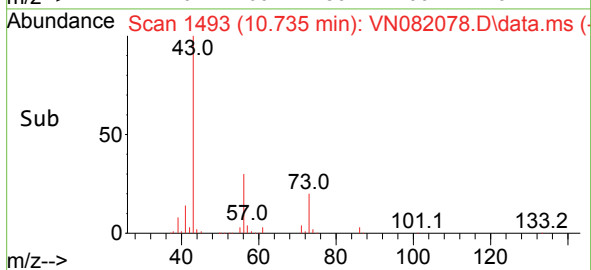
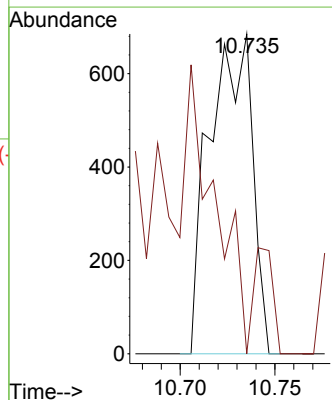
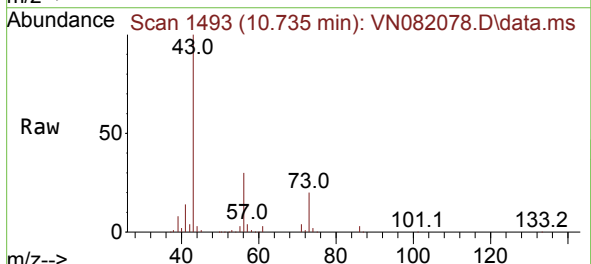


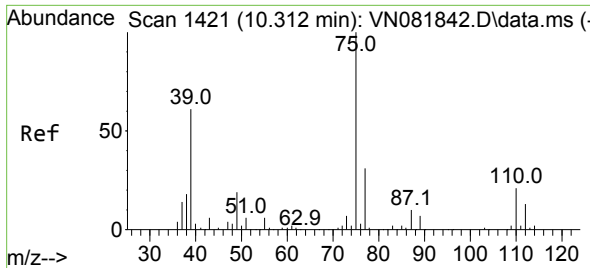
Tgt Ion: 43 Resp: 124585
Ion Ratio Lower Upper
43 100
58 5.8 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.329 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

Tgt Ion: 75 Resp: 1075
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

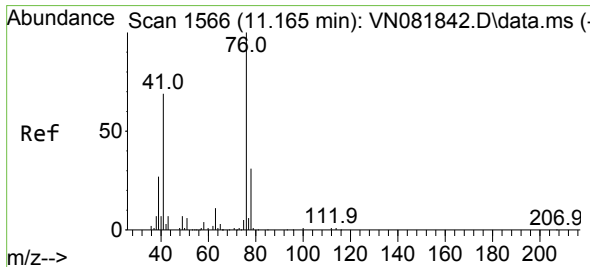
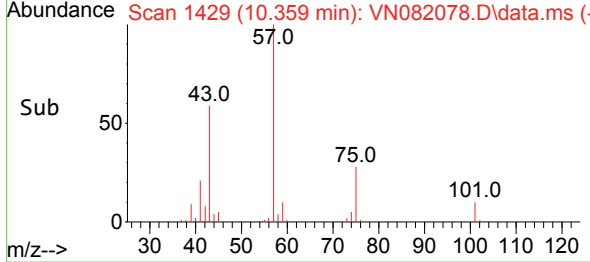
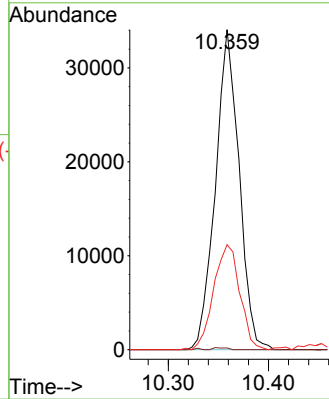
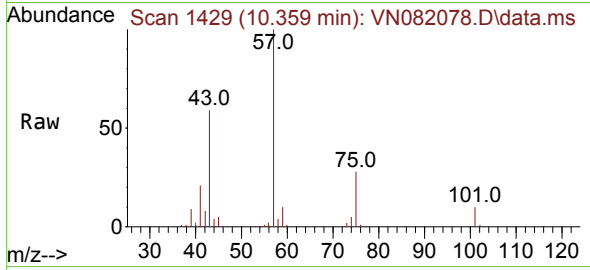




#54
 cis-1,3-Dichloropropene
 Concen: 16.550 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082078.D
 Acq: 10 May 2024 18:33

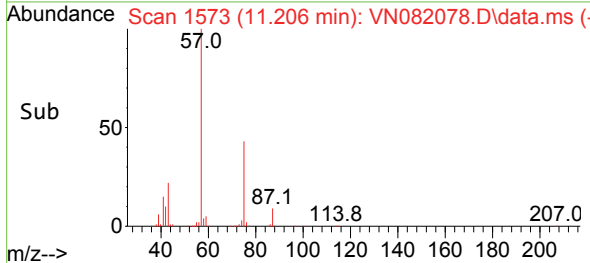
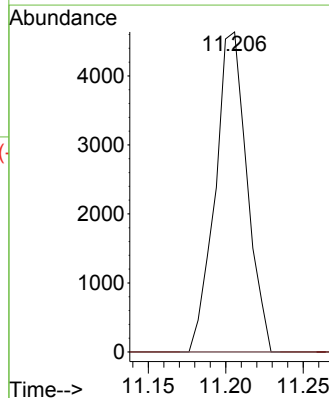
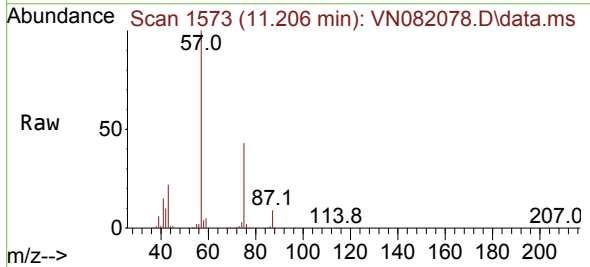
Instrument :
 MSVOA_N
 ClientSampleId :

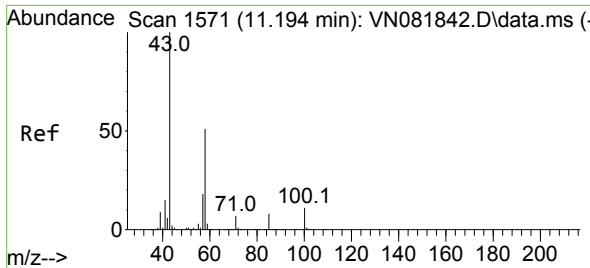
Tgt Ion: 75 Resp: 55752
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 32.8 34.8 52.2#



#57
 1,3-Dichloropropane
 Concen: 2.005 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN082078.D
 Acq: 10 May 2024 18:33

Tgt Ion: 76 Resp: 6612
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

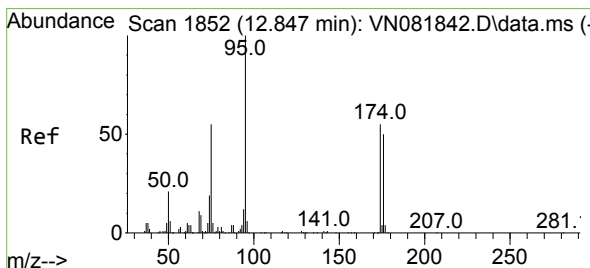
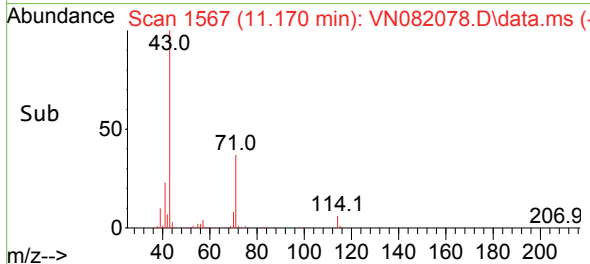
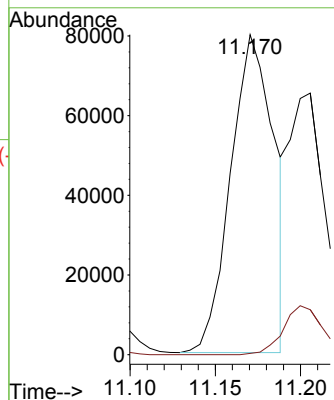
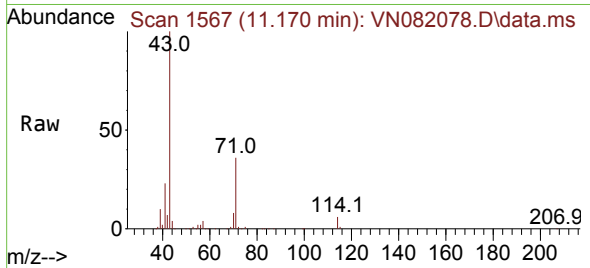




#59
2-Hexanone
Concen: 63.048 ug/l
RT: 11.170 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

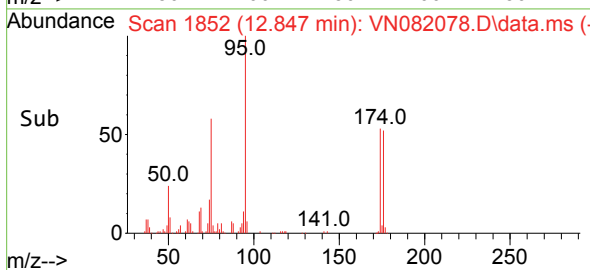
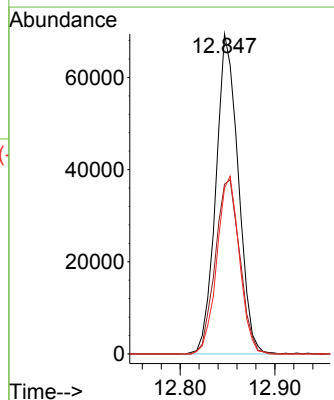
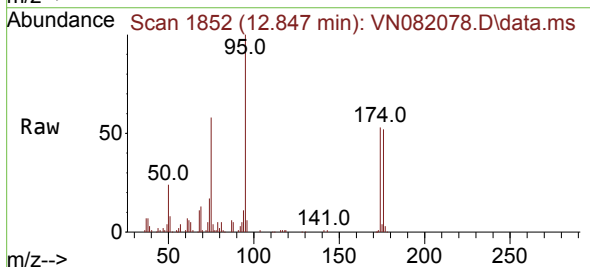
Instrument :
MSVOA_N
ClientSampleId :

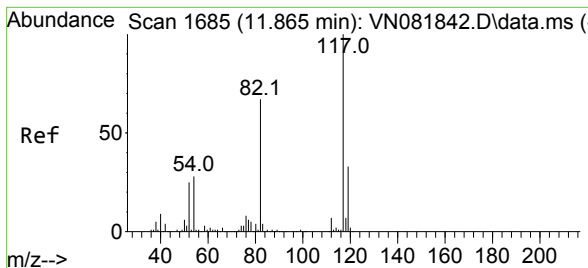
Tgt Ion: 43 Resp: 140854
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 45.513 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

Tgt Ion: 95 Resp: 113929
Ion Ratio Lower Upper
95 100
174 59.9 0.0 160.6
176 55.8 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.864 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082078.D

Acq: 10 May 2024 18:33

Instrument :

MSVOA_N

ClientSampleId :

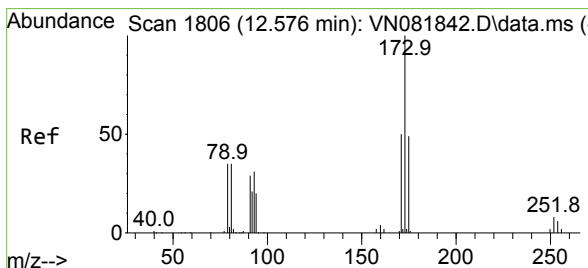
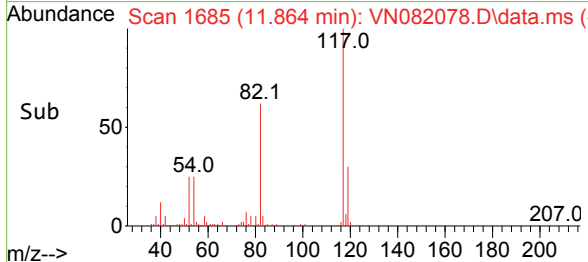
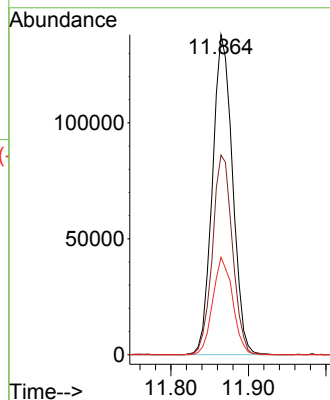
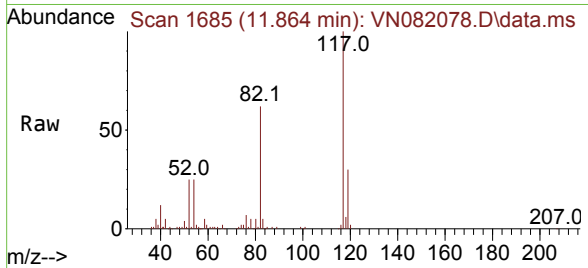
Tgt Ion:117 Resp: 248363

Ion Ratio Lower Upper

117 100

82 62.4 44.6 66.8

119 30.4 25.9 38.9



#71

Bromoform

Concen: 0.413 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN082078.D

Acq: 10 May 2024 18:33

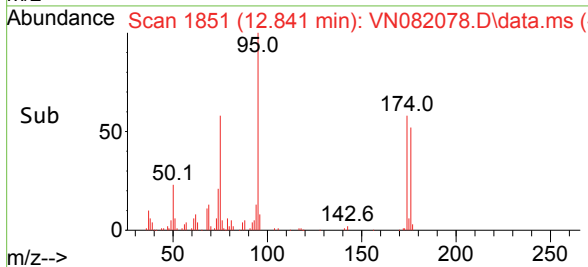
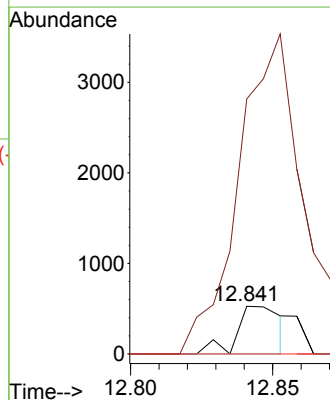
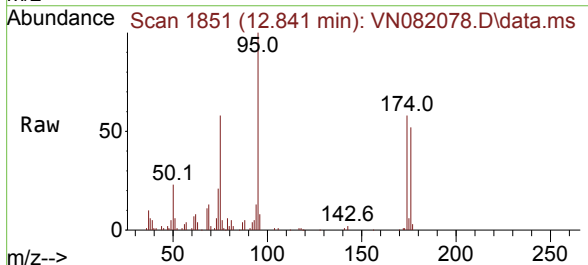
Tgt Ion:173 Resp: 573

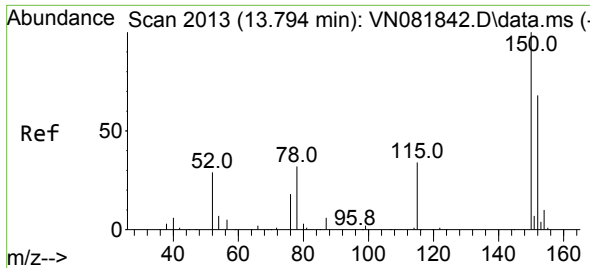
Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0

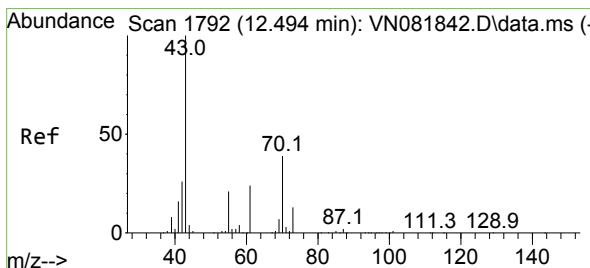
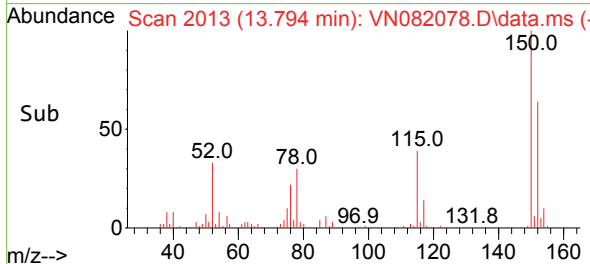
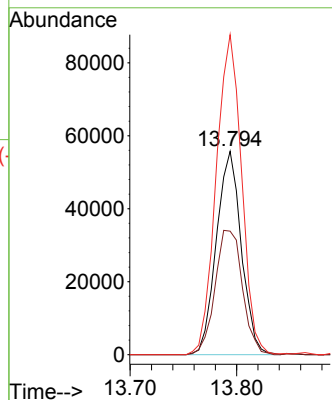
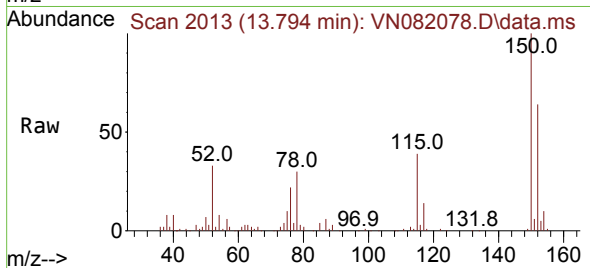




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

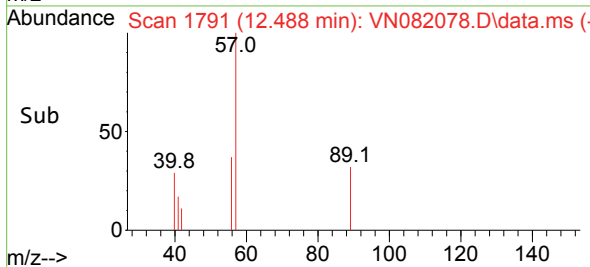
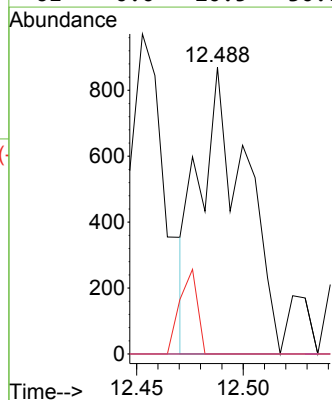
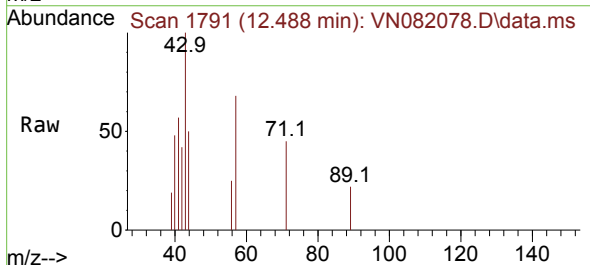
Instrument :
MSVOA_N
ClientSampleId :

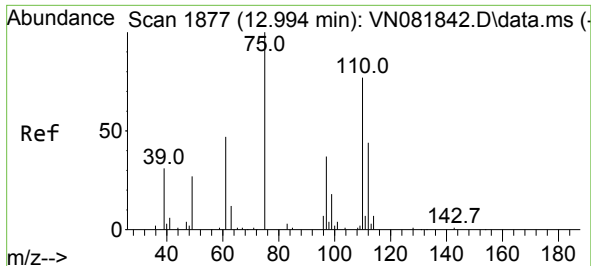
Tgt Ion:152 Resp: 90555
Ion Ratio Lower Upper
152 100
115 67.0 30.4 91.3
150 160.2 0.0 353.2



#74
N-ethyl acetate
Concen: 0.294 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

Tgt Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 11.3 21.3 31.9#
61 0.0 20.5 30.7#

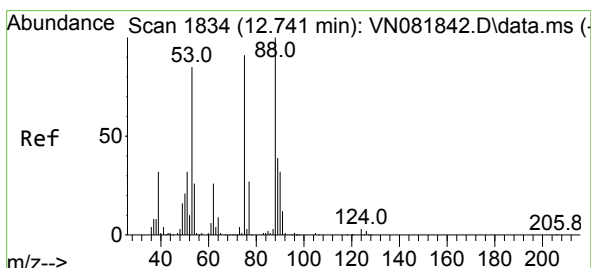
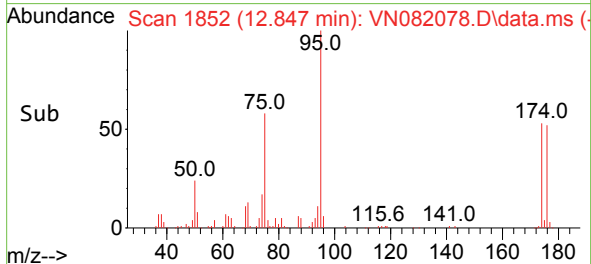
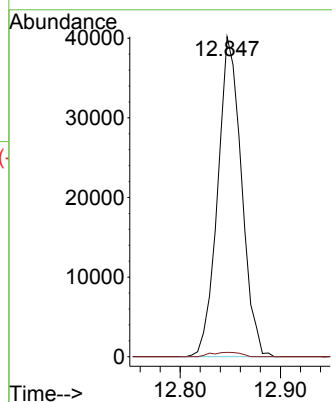
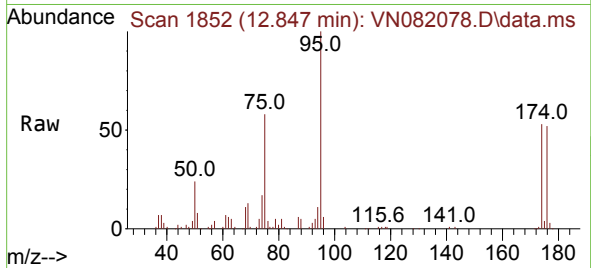




#76
1,2,3-Trichloropropane
Concen: 28.161 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 66118
Ion Ratio Lower Upper
75 100
77 1.7 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.705 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN082078.D
Acq: 10 May 2024 18:33

Tgt Ion: 75 Resp: 66118
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

