

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082300.D
 Acq On : 22 May 2024 18:15
 Operator : JC\MD
 Sample : PB161037ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:55:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

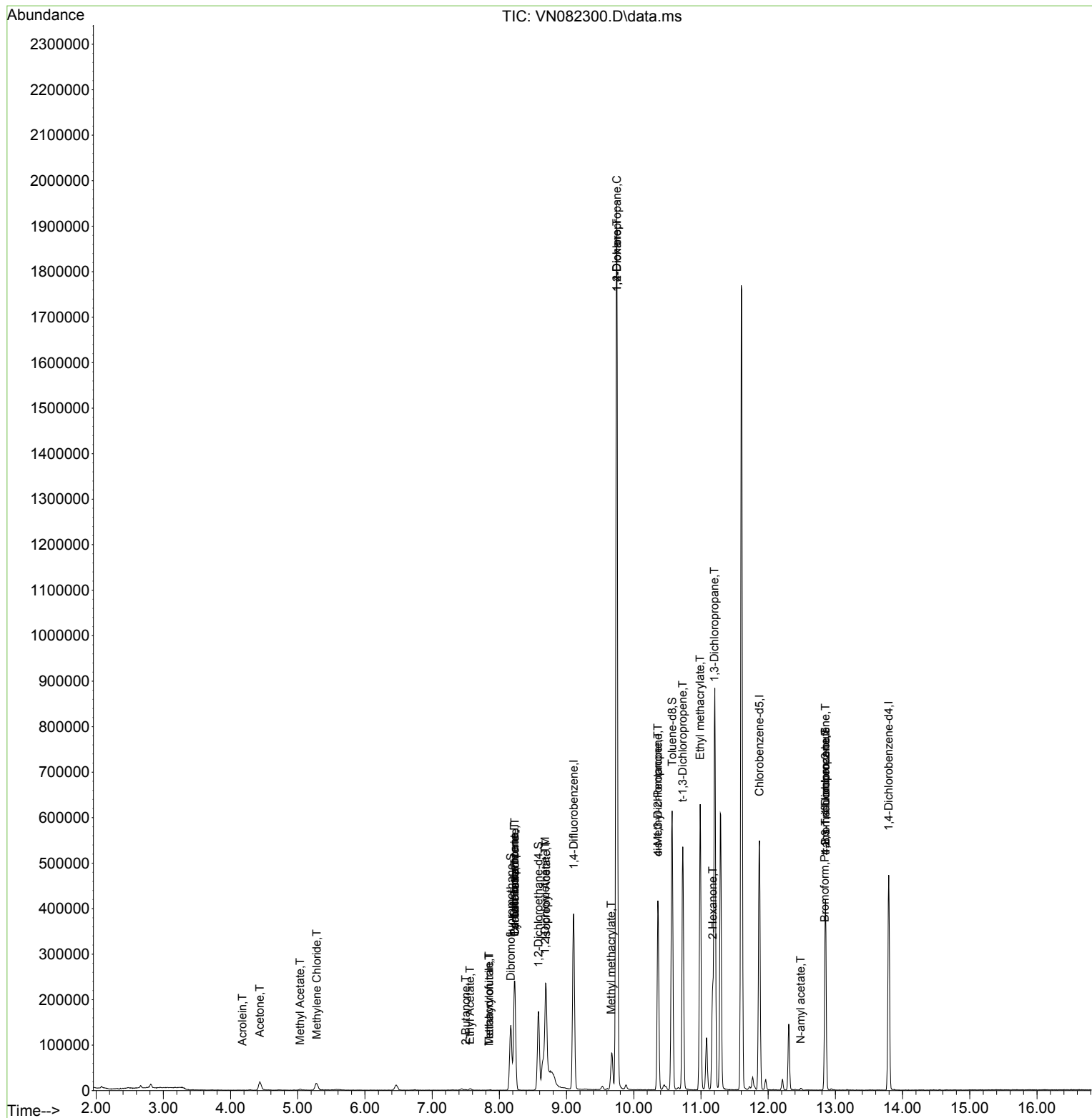
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	168201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	305576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	287566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	142599	53.691	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.380%	
35) Dibromofluoromethane	8.171	113	97965	52.116	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.240%	
50) Toluene-d8	10.571	98	388999	53.976	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.960%	
62) 4-Bromofluorobenzene	12.853	95	135367	52.625	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 105.240%	
Target Compounds						Qvalue
13) Acrolein	4.177	56	119	0.377	ug/l #	15
16) Acetone	4.436	43	35622	32.695	ug/l	94
18) Methyl Acetate	5.036	43	4682	1.726	ug/l #	58
20) Methylene Chloride	5.283	84	11009	5.008	ug/l #	81
25) 2-Butanone	7.500	43	2716	1.644	ug/l #	43
29) Tetrahydrofuran	7.847	42	790	0.745	ug/l #	46
31) Cyclohexane	8.230	56	5251	1.238	ug/l #	61
36) 1,1-Dichloropropene	8.224	75	15614	4.953	ug/l #	48
37) Ethyl Acetate	7.565	43	5682	1.610	ug/l #	86
38) Carbon Tetrachloride	8.230	117	17936	5.612	ug/l #	15
41) Methacrylonitrile	7.847	41	483	0.233	ug/l #	19
42) 1,2-Dichloroethane	8.682	62	1368	0.378	ug/l #	73
43) Isopropyl Acetate	8.694	43	354474	56.700	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	2064	0.851	ug/l #	45
48) Methyl methacrylate	9.665	41	5928	1.990	ug/l #	40
49) 1,4-Dioxane	9.747	88	74	1.773	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	169115	47.611	ug/l #	42
53) t-1,3-Dichloropropene	10.729	75	1107	0.318	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	64857	17.622	ug/l #	76
56) Ethyl methacrylate	10.988	69	1544	0.444	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7953	2.075	ug/l #	42
59) 2-Hexanone	11.176	43	177313	68.176	ug/l #	23
71) Bromoform	12.841	173	319	0.890	ug/l #	28
74) N-amyl acetate	12.482	43	2395	0.473	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	78243	32.073	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78243	75.017	ug/l #	12

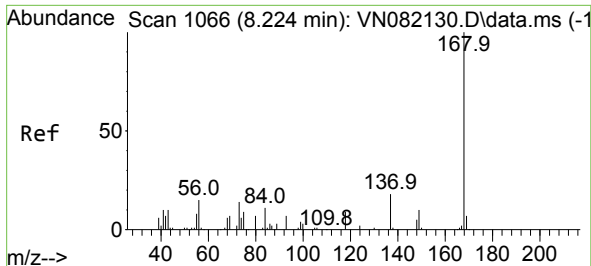
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

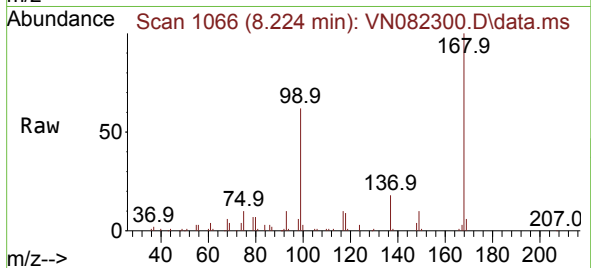
Quant Time: May 23 01:55:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



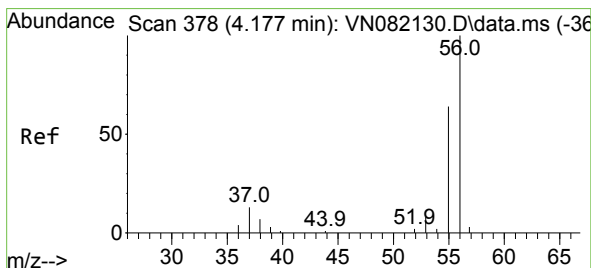
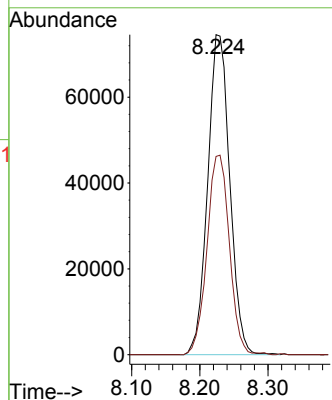
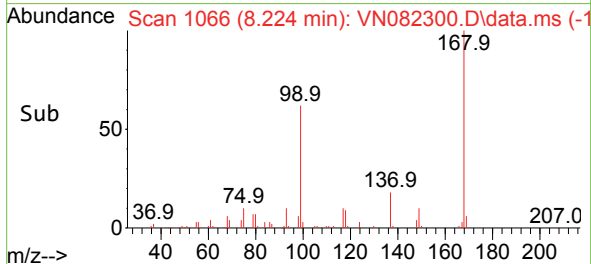


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

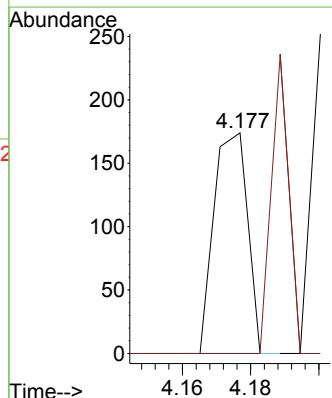
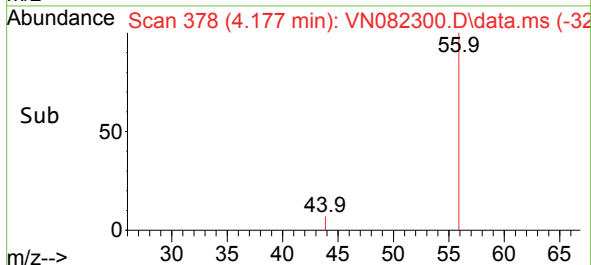
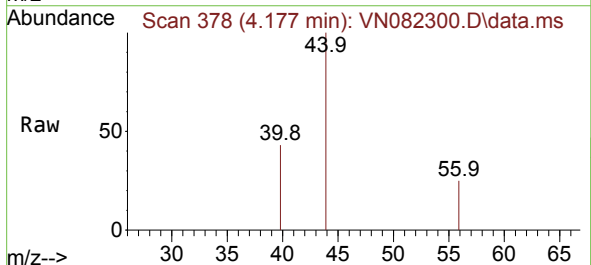


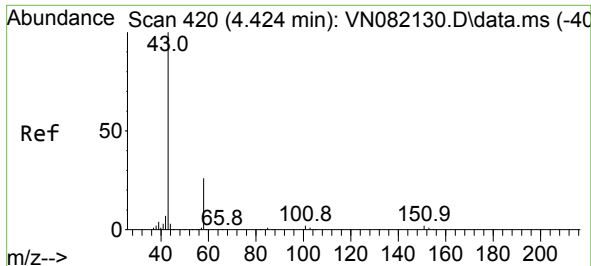
Tgt Ion:168 Resp: 168201
Ion Ratio Lower Upper
168 100
99 62.0 48.2 72.4



#13
Acrolein
Concen: 0.377 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

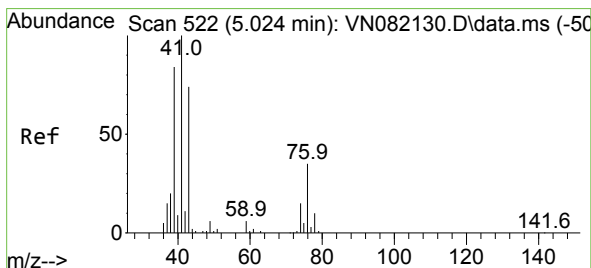
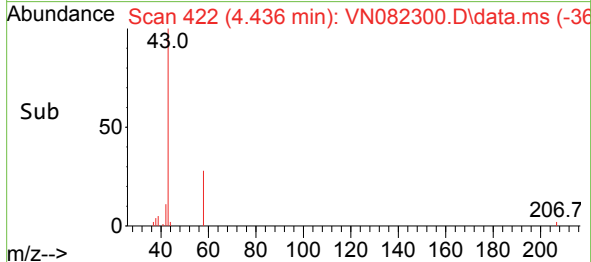
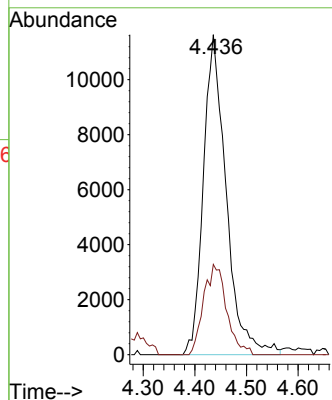
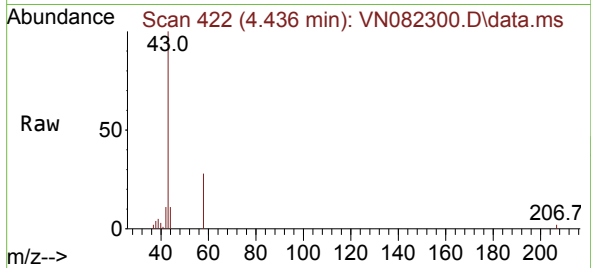




#16
Acetone
Concen: 32.695 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

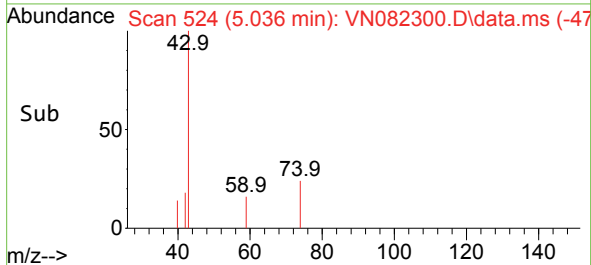
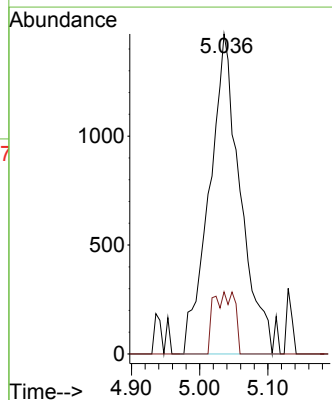
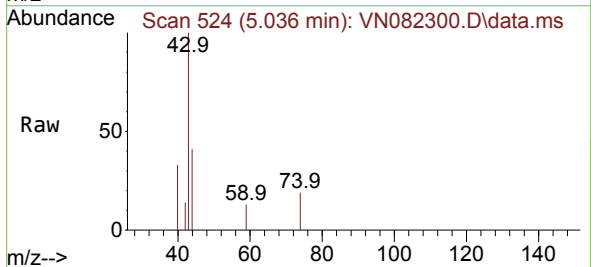
Instrument :
MSVOA_N
ClientSampleId :

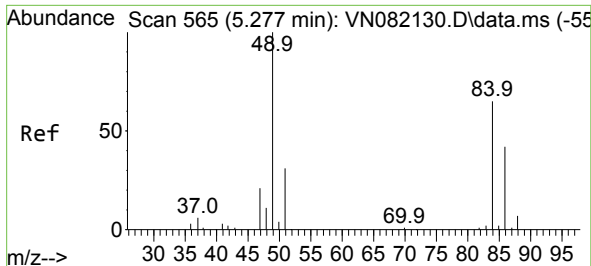
Tgt Ion: 43 Resp: 35622
Ion Ratio Lower Upper
43 100
58 28.2 25.2 37.8



#18
Methyl Acetate
Concen: 1.726 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

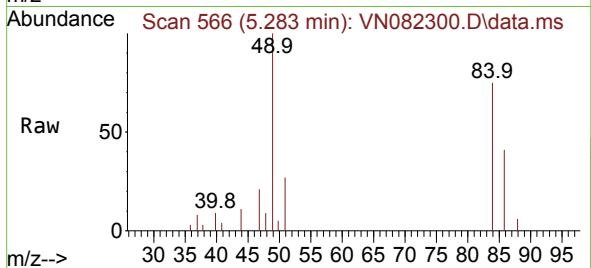
Tgt Ion: 43 Resp: 4682
Ion Ratio Lower Upper
43 100
74 5.5 22.2 33.2#



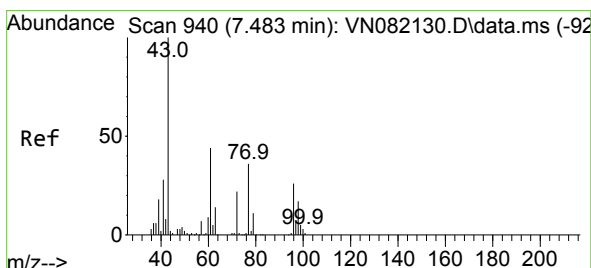
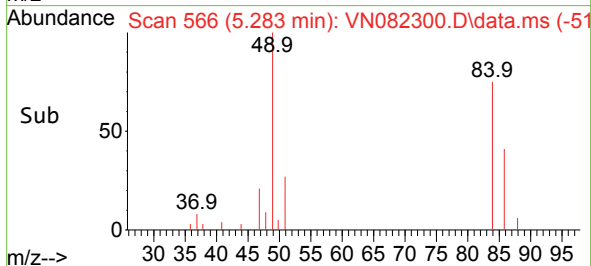
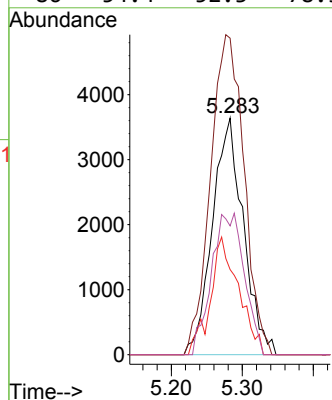


#20
Methylene Chloride
Concen: 5.008 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

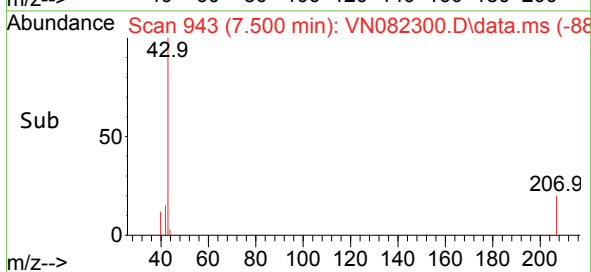
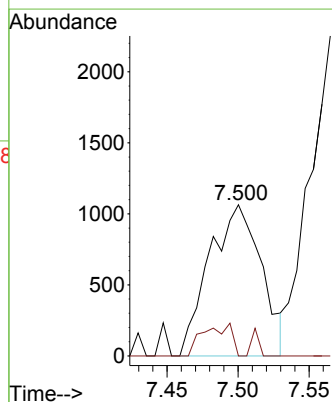
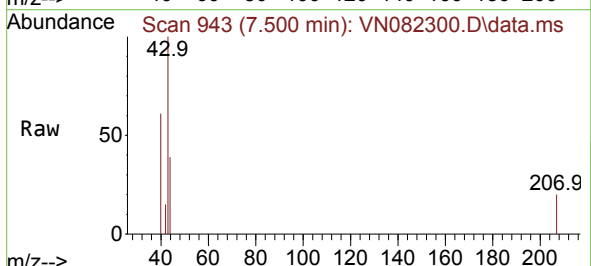


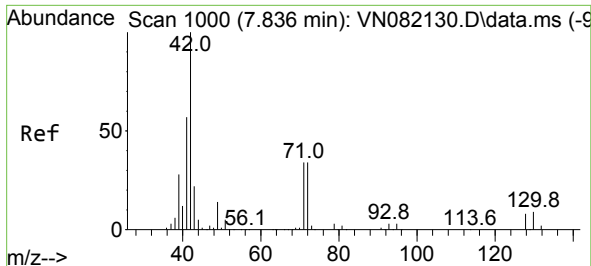
Tgt Ion: 84 Resp: 11009
Ion Ratio Lower Upper
84 100
49 133.7 84.9 127.3#
51 36.0 27.0 40.6
86 54.4 52.3 78.5



#25
2-Butanone
Concen: 1.644 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Tgt Ion: 43 Resp: 2716
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#





#29

Tetrahydrofuran

Concen: 0.745 ug/l

RT: 7.847 min Scan# 1000

Delta R.T. 0.011 min

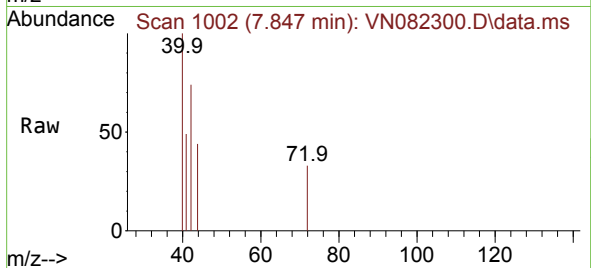
Lab File: VN082300.D

Acq: 22 May 2024 18:15

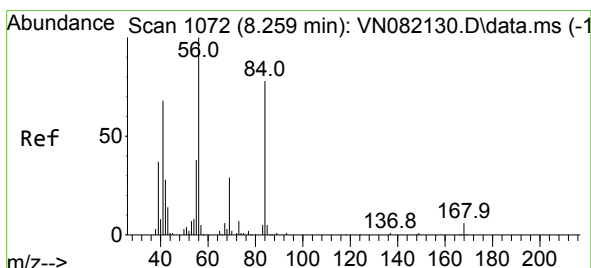
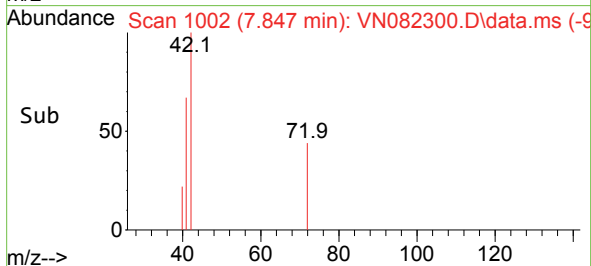
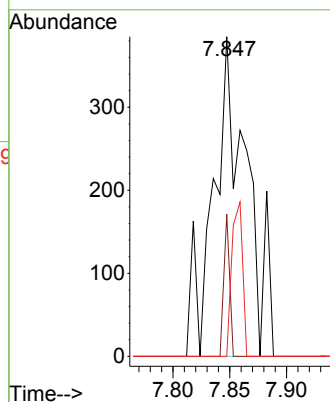
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	790
Ion Ratio	Lower	Upper	
42	100		
72	7.6	39.3	58.9#
71	15.3	37.4	56.0#



#31

Cyclohexane

Concen: 1.238 ug/l

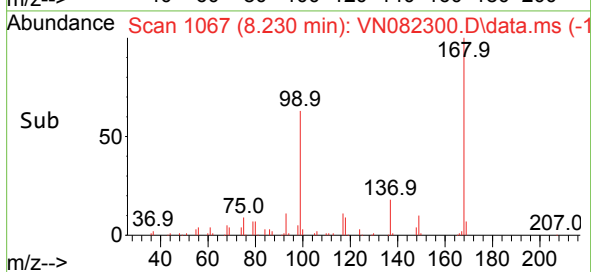
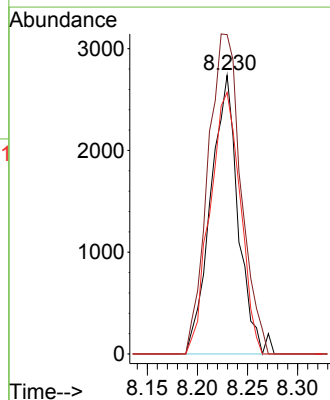
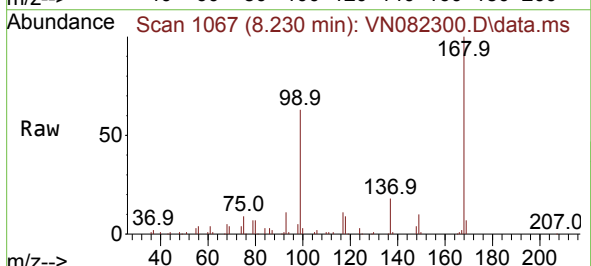
RT: 8.230 min Scan# 1067

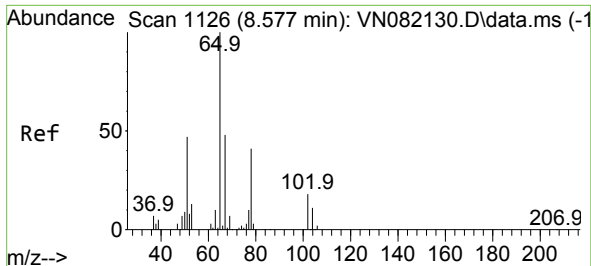
Delta R.T. -0.029 min

Lab File: VN082300.D

Acq: 22 May 2024 18:15

Tgt Ion:	56	Resp:	5251
Ion Ratio	Lower	Upper	
56	100		
69	114.6	24.4	36.6#
84	93.8	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 53.691 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

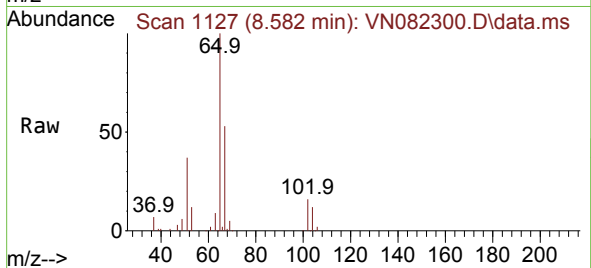
Lab File: VN082300.D

Acq: 22 May 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :

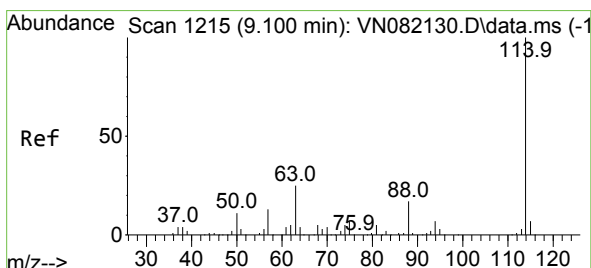
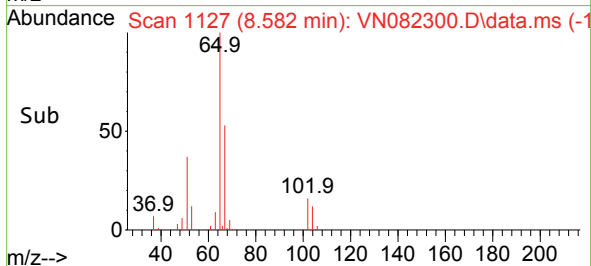
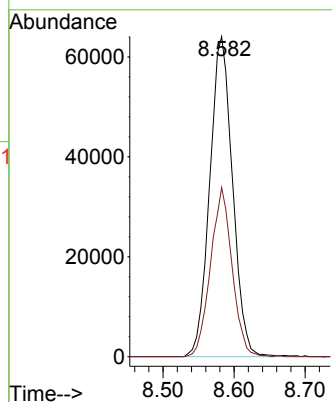


Tgt Ion: 65 Resp: 142599

Ion Ratio Lower Upper

65 100

67 50.0 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: VN082300.D

Acq: 22 May 2024 18:15

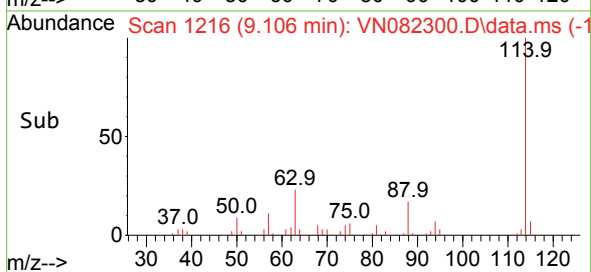
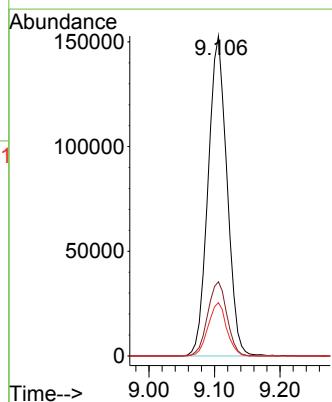
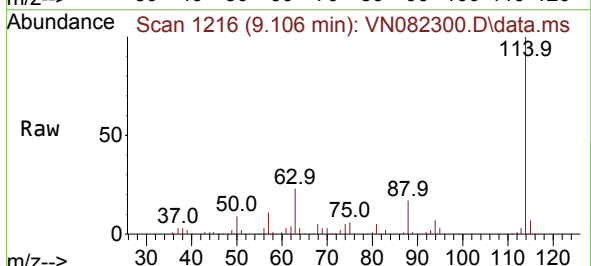
Tgt Ion: 114 Resp: 305576

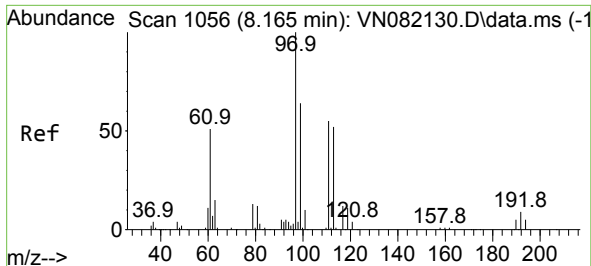
Ion Ratio Lower Upper

114 100

63 23.2 0.0 41.0

88 16.7 0.0 31.4

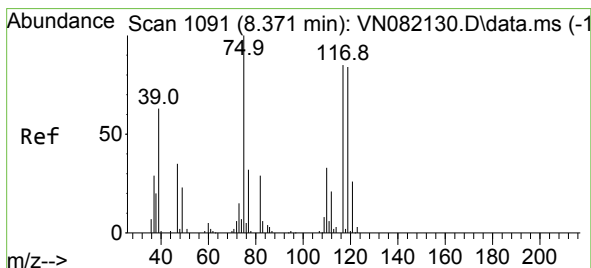
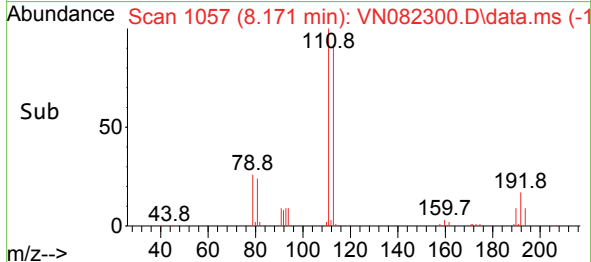
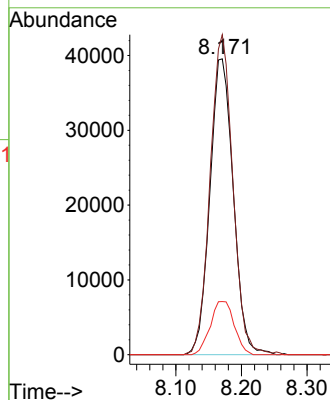
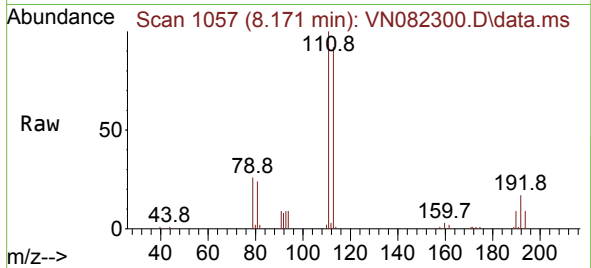




#35
Dibromofluoromethane
Concen: 52.116 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

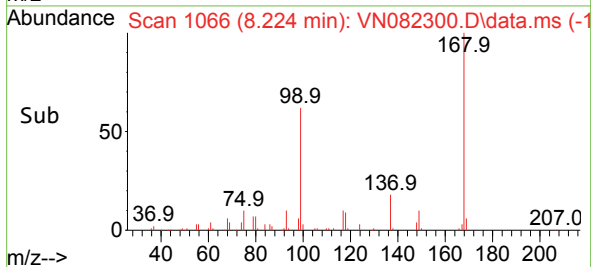
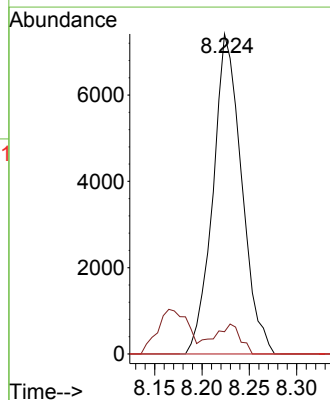
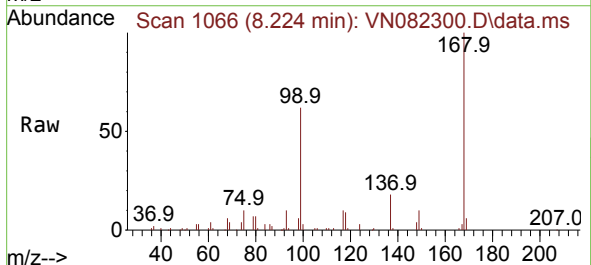
Instrument :
MSVOA_N
ClientSampleId :

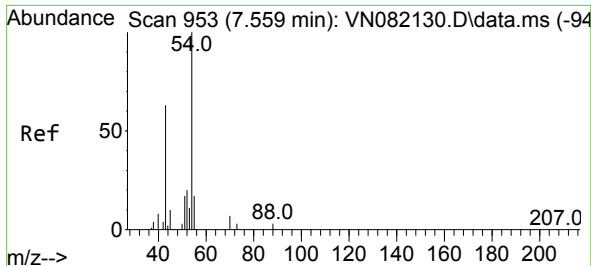
Tgt Ion:113 Resp: 97965
Ion Ratio Lower Upper
113 100
111 105.1 83.4 125.2
192 18.4 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.953 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Tgt Ion: 75 Resp: 15614
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.610 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

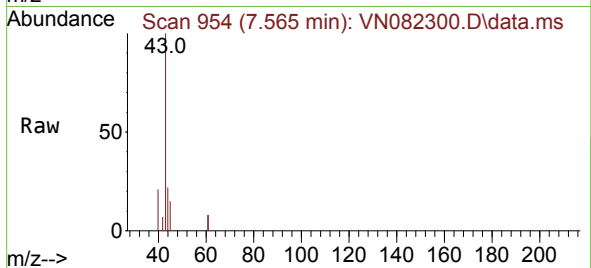
Lab File: VN082300.D

Acq: 22 May 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :



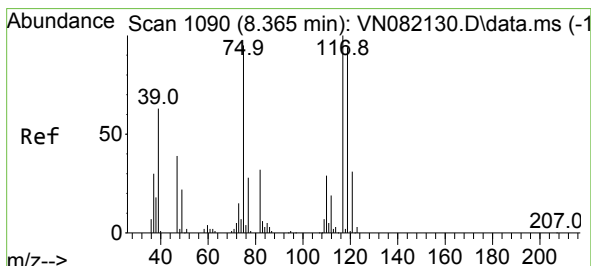
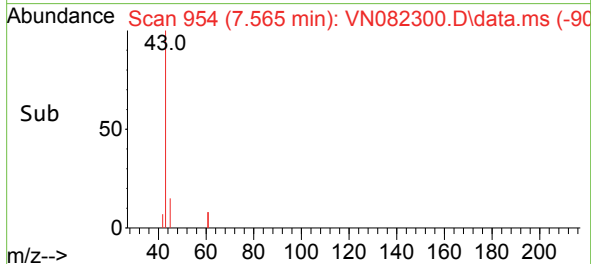
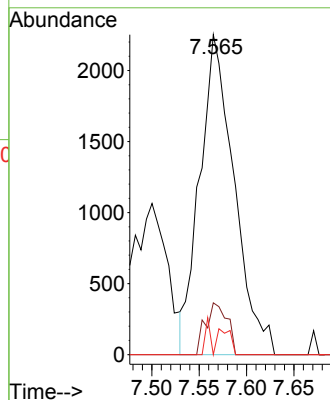
Tgt Ion: 43 Resp: 5682

Ion Ratio Lower Upper

43 100

61 10.2 11.3 16.9#

70 3.1 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.612 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082300.D

Acq: 22 May 2024 18:15

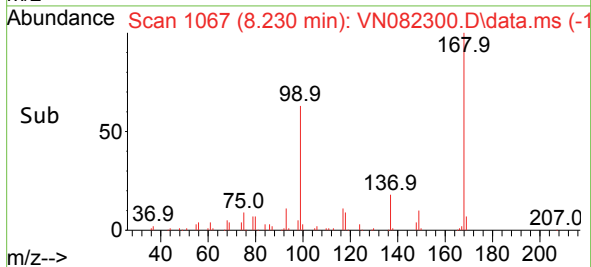
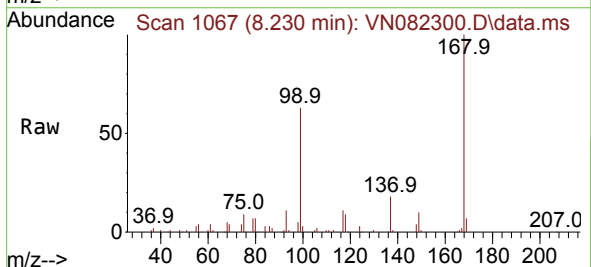
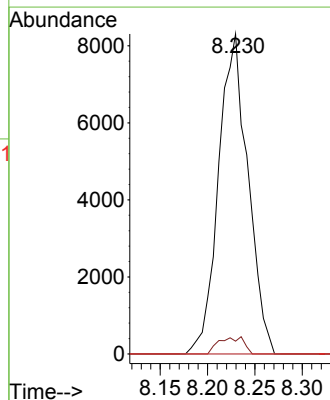
Tgt Ion: 117 Resp: 17936

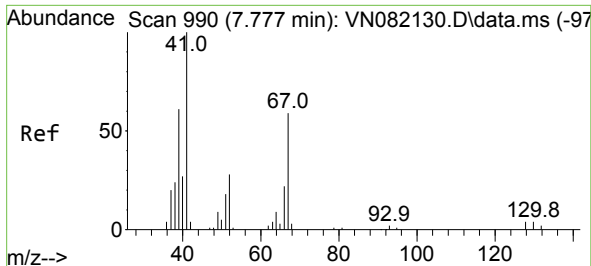
Ion Ratio Lower Upper

117 100

119 4.0 76.5 114.7#

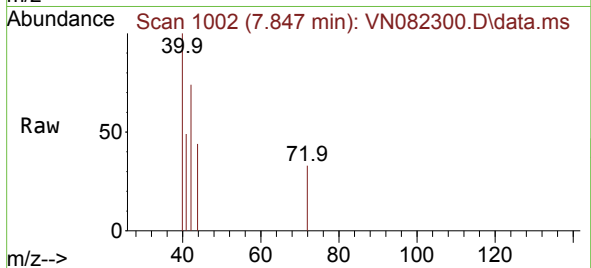
121 0.0 23.9 35.9#



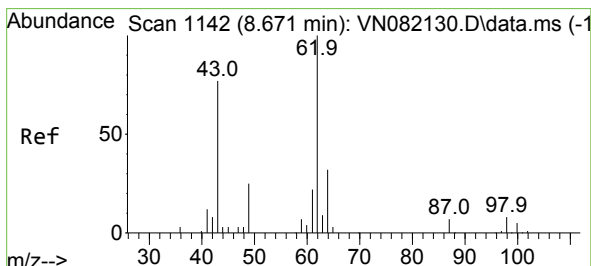
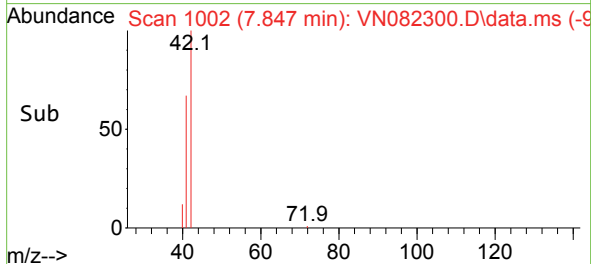
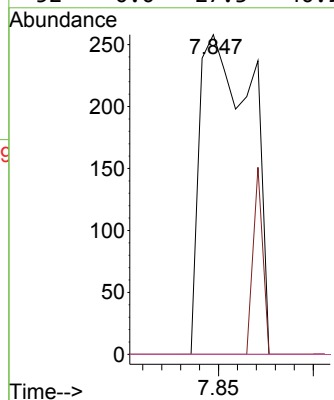


#41
Methacrylonitrile
Concen: 0.233 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

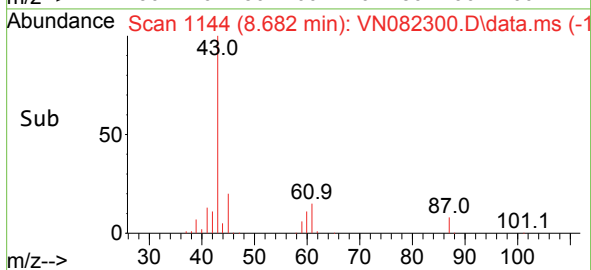
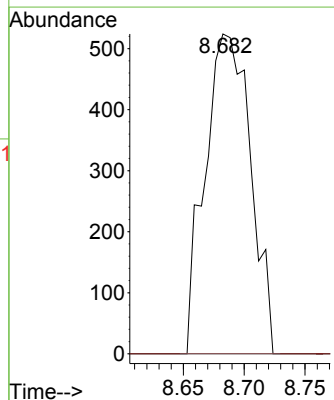
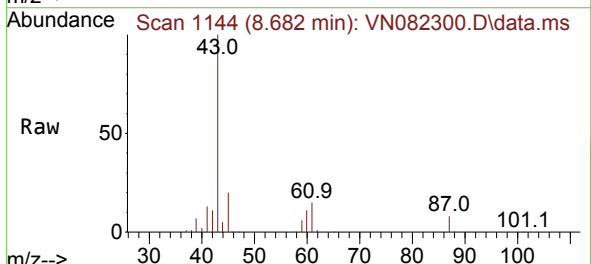


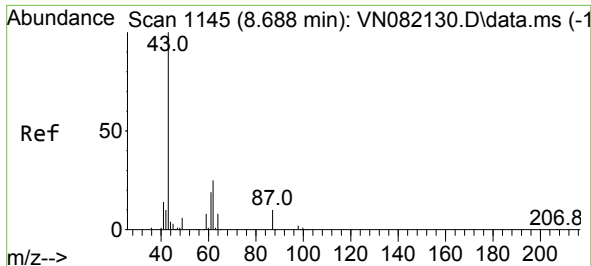
Tgt Ion: 41 Resp: 483
Ion Ratio Lower Upper
41 100
39 0.0 46.6 69.8#
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 0.378 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

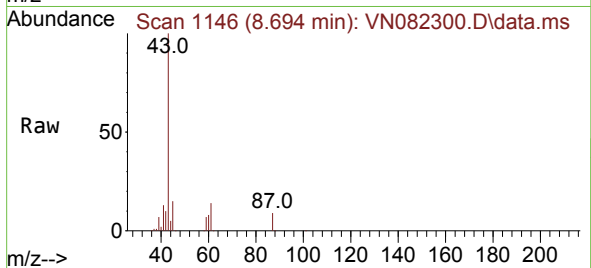
Tgt Ion: 62 Resp: 1368
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



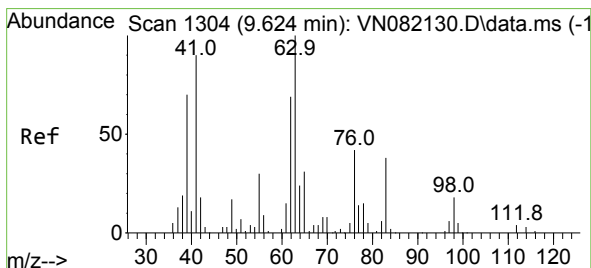
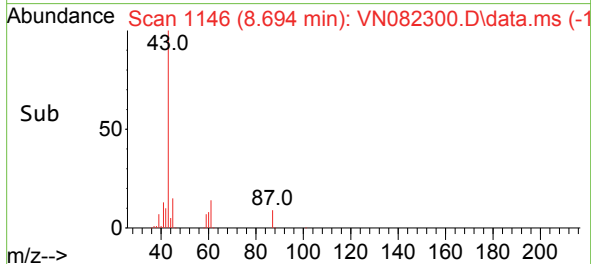
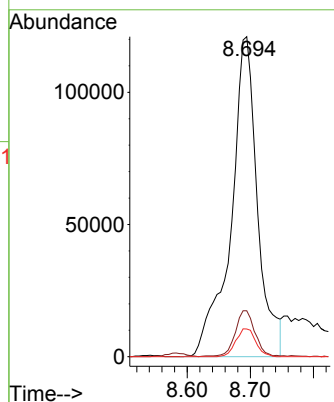


#43
Isopropyl Acetate
Concen: 56.700 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

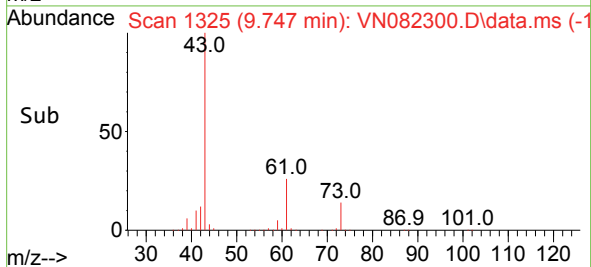
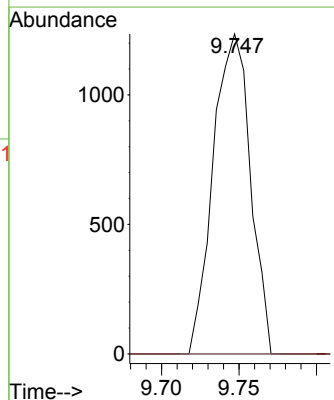
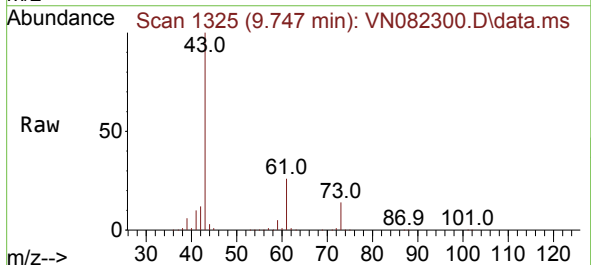


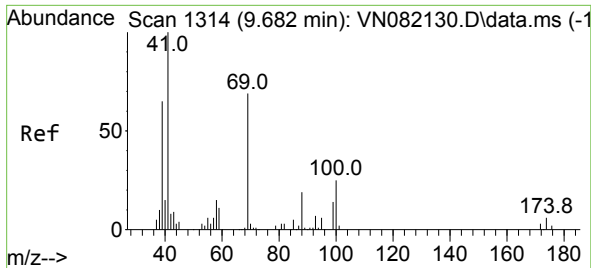
Tgt Ion: 43 Resp: 354474
Ion Ratio Lower Upper
43 100
61 10.8 22.8 34.2#
87 6.5 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.851 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Tgt Ion: 63 Resp: 2064
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

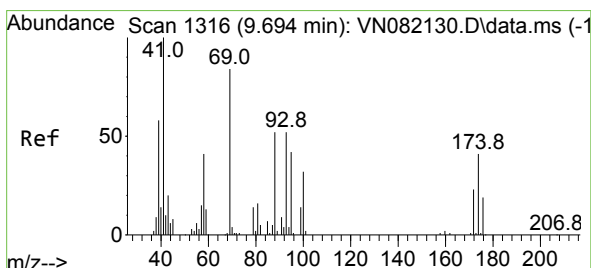
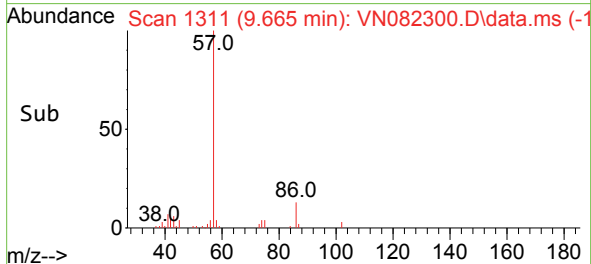
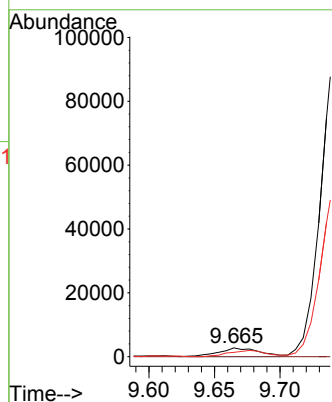
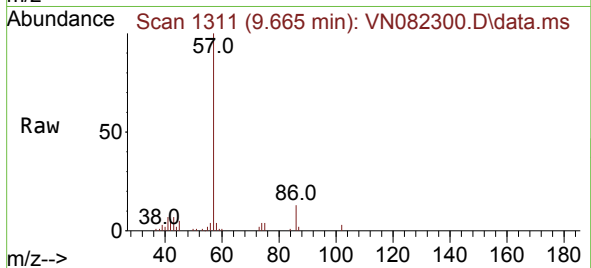




#48
Methyl methacrylate
Concen: 1.990 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

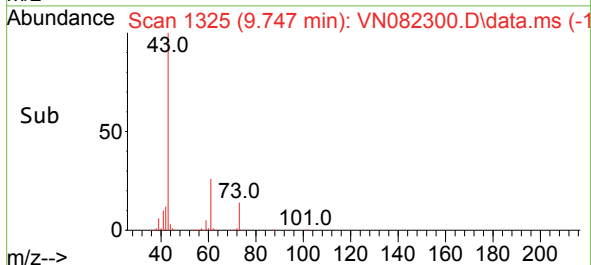
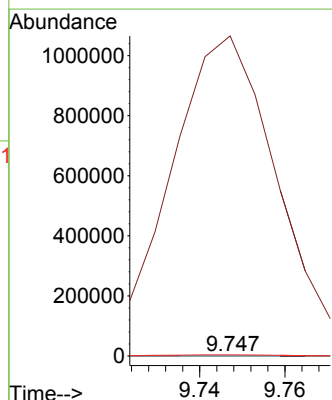
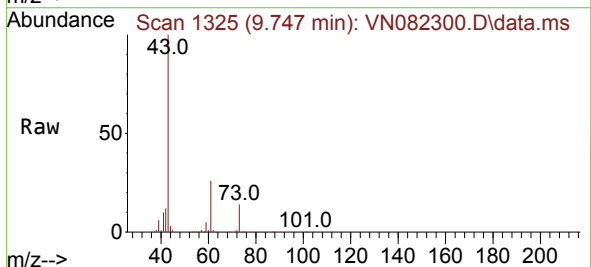
Instrument :
MSVOA_N
ClientSampleId :

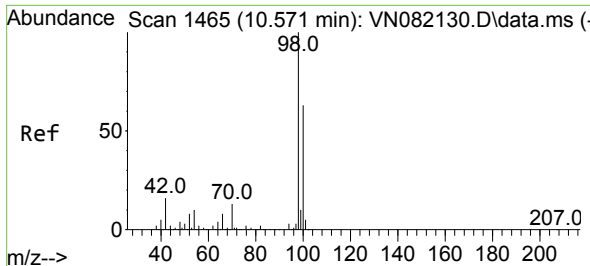
Tgt Ion: 41 Resp: 5928
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 64.5 50.9 76.3



#49
1,4-Dioxane
Concen: 1.773 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 2560850.0 19.0 28.6#
58 10343.2 50.6 76.0#

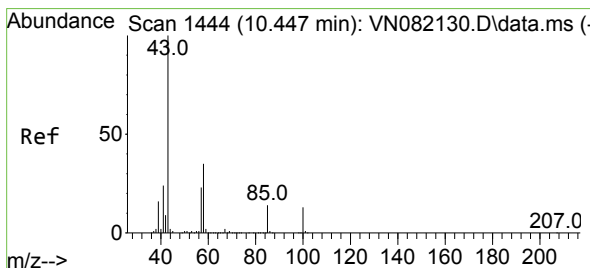
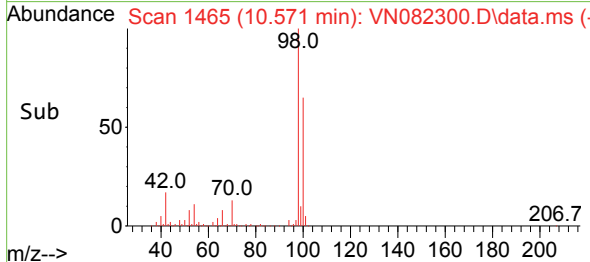
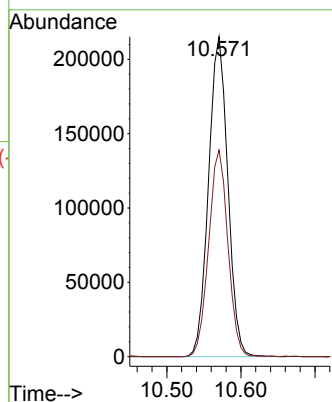
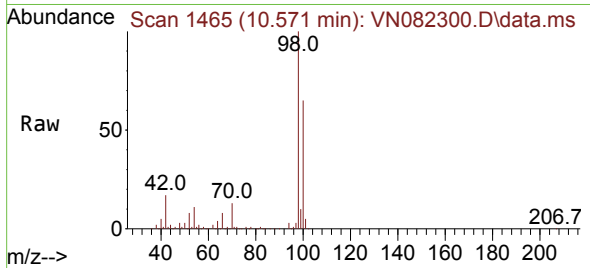




#50
Toluene-d8
Concen: 53.976 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

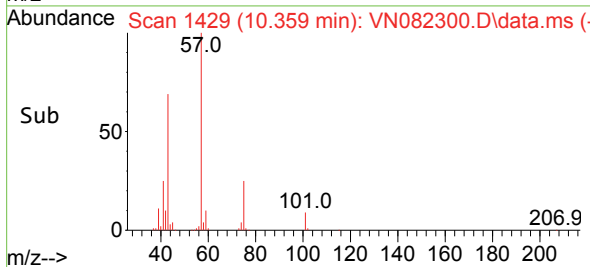
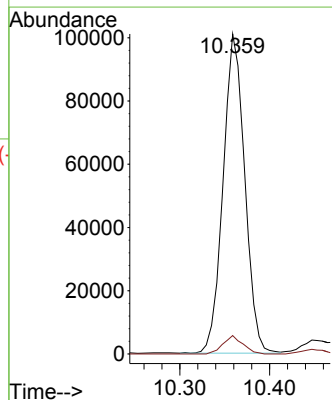
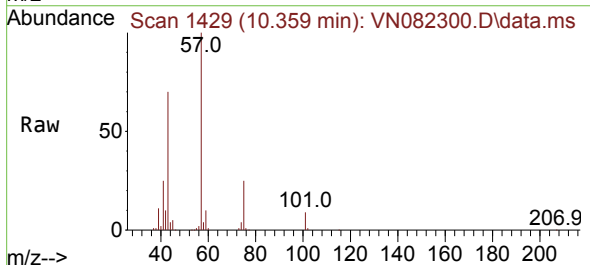
Instrument :
MSVOA_N
ClientSampleId :

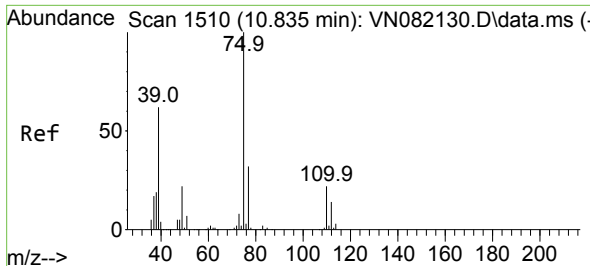
Tgt Ion: 98 Resp: 388999
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 47.611 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

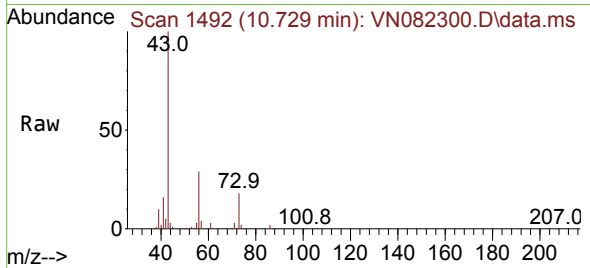
Tgt Ion: 43 Resp: 169115
Ion Ratio Lower Upper
43 100
58 5.2 33.2 49.8#



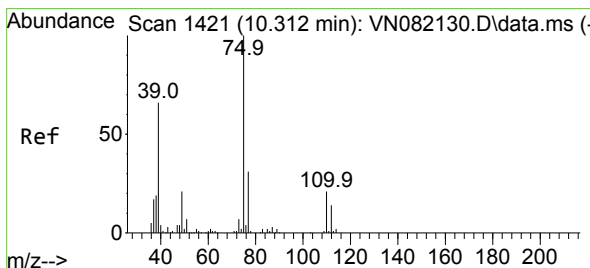
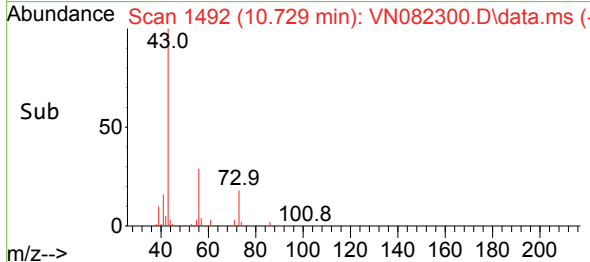
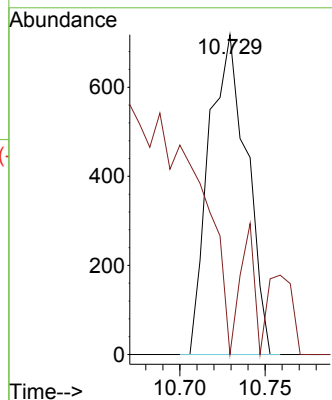


#53
t-1,3-Dichloropropene
Concen: 0.318 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

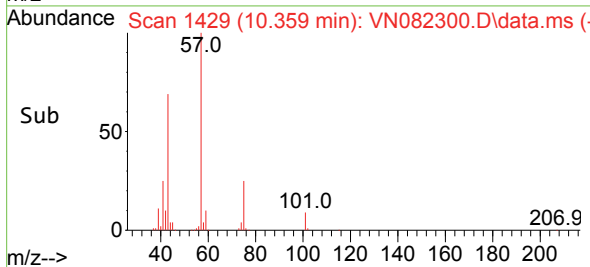
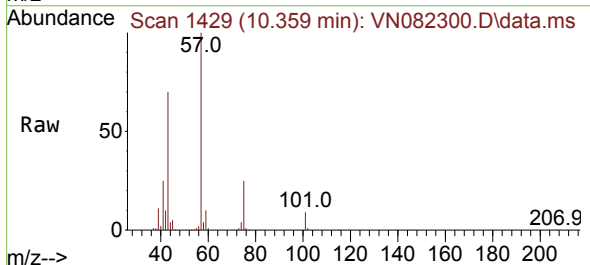
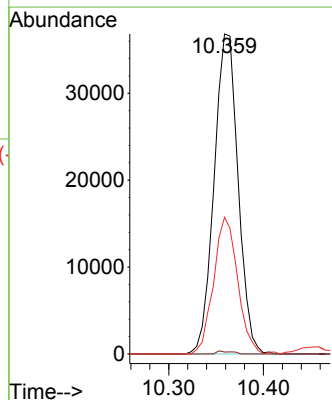


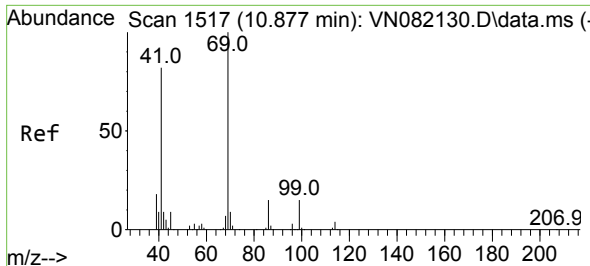
Tgt Ion: 75 Resp: 1107
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 17.622 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

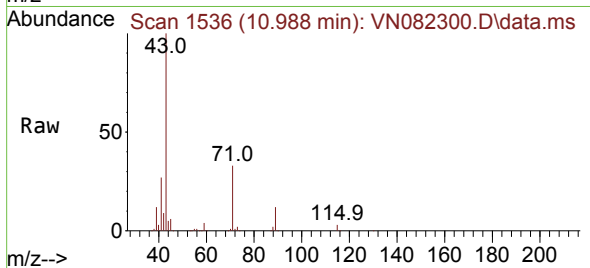
Tgt Ion: 75 Resp: 64857
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 42.7 34.8 52.2



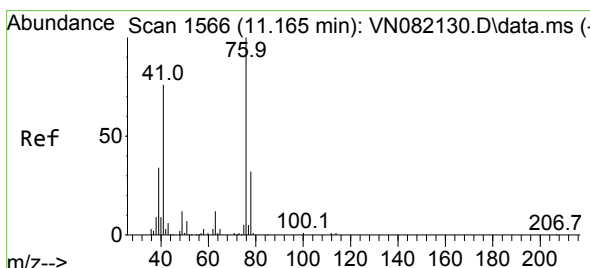
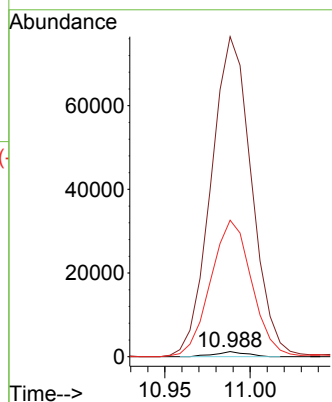
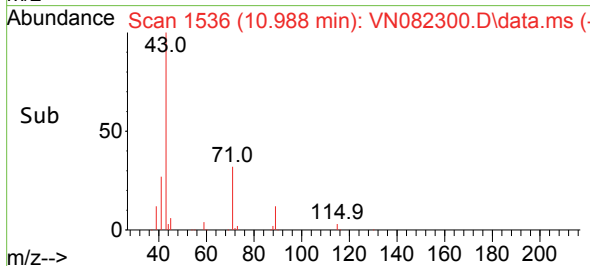


#56
Ethyl methacrylate
Concen: 0.444 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

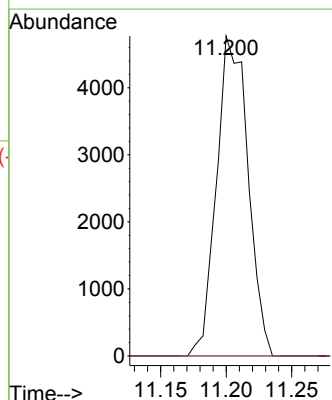
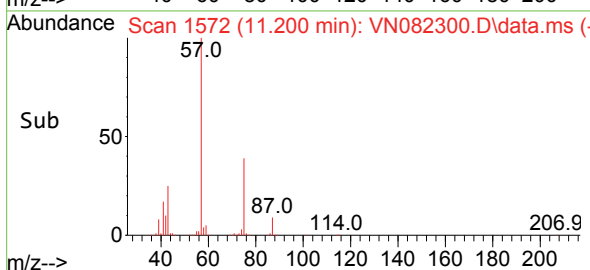
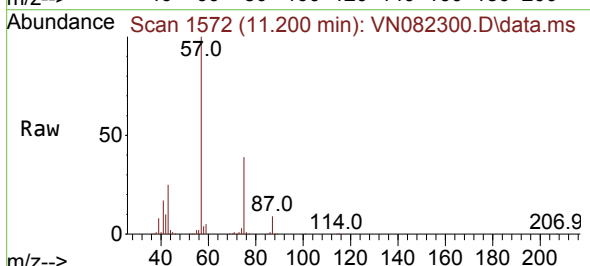


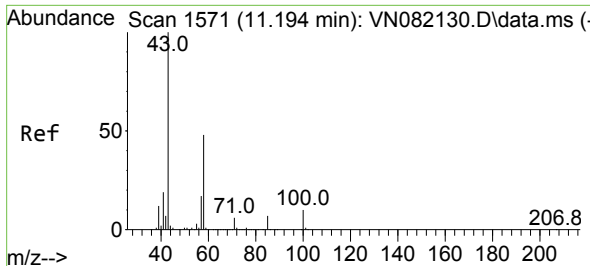
Tgt Ion: 69 Resp: 1544
Ion Ratio Lower Upper
69 100
41 8249.9 46.6 70.0#
39 3559.8 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 2.075 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Tgt Ion: 76 Resp: 7953
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

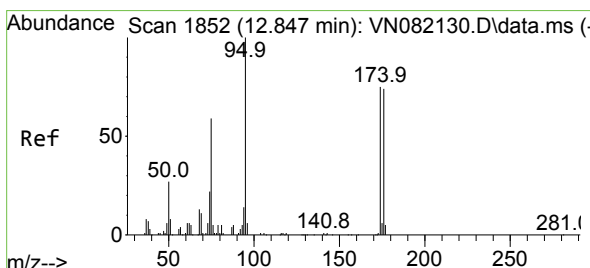
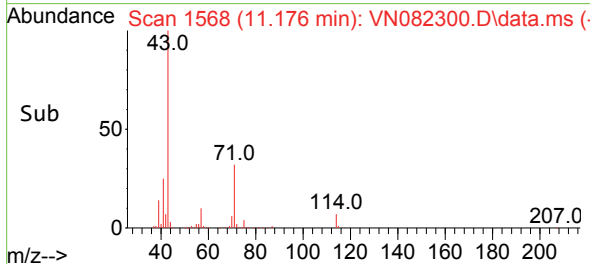
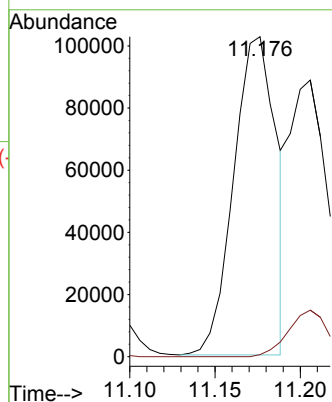
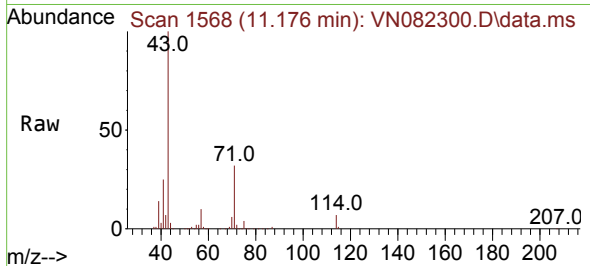




#59
2-Hexanone
Concen: 68.176 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.018 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

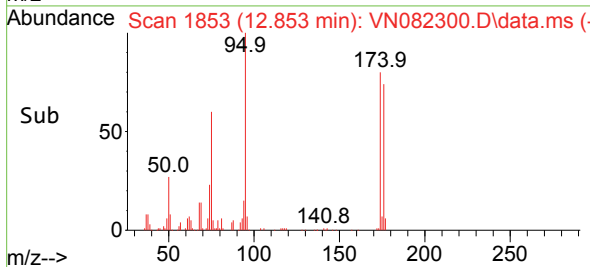
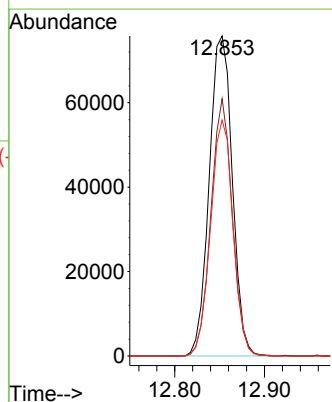
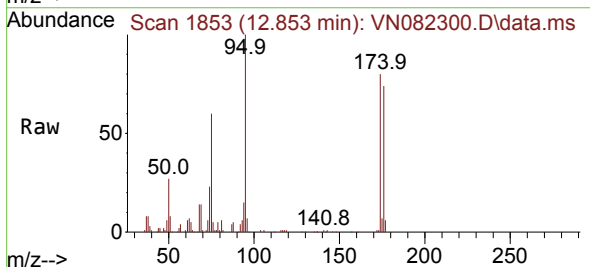
Instrument :
MSVOA_N
ClientSampleId :

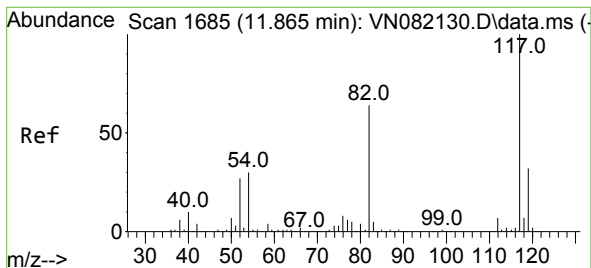
Tgt Ion: 43 Resp: 177313
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 52.625 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Tgt Ion: 95 Resp: 135367
Ion Ratio Lower Upper
95 100
174 74.5 0.0 160.6
176 71.7 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082300.D

Acq: 22 May 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :

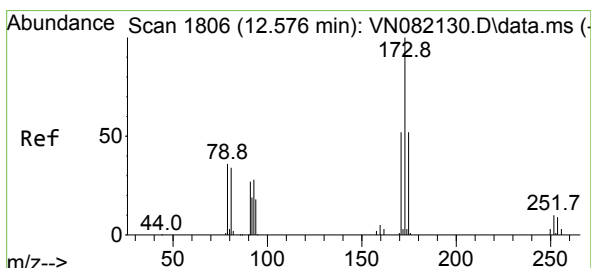
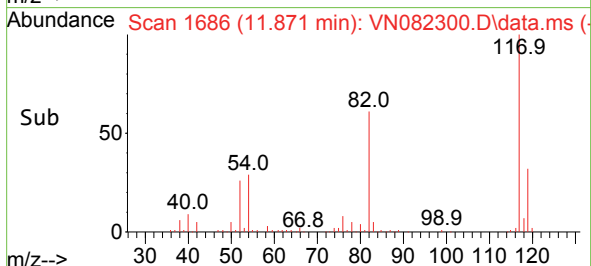
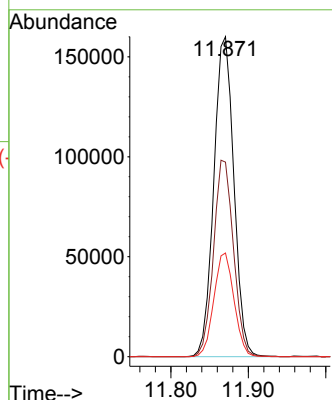
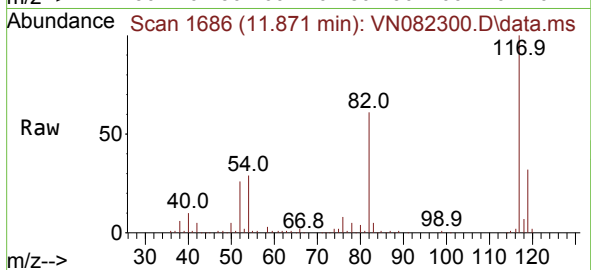
Tgt Ion:117 Resp: 287566

Ion Ratio Lower Upper

117 100

82 60.8 44.6 66.8

119 32.4 25.9 38.9



#71

Bromoform

Concen: 0.890 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN082300.D

Acq: 22 May 2024 18:15

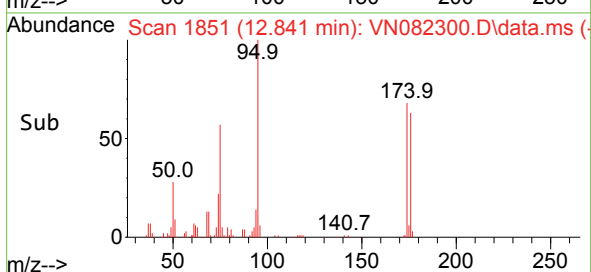
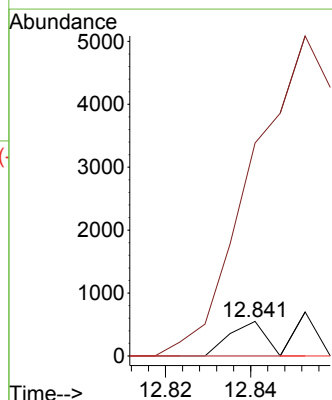
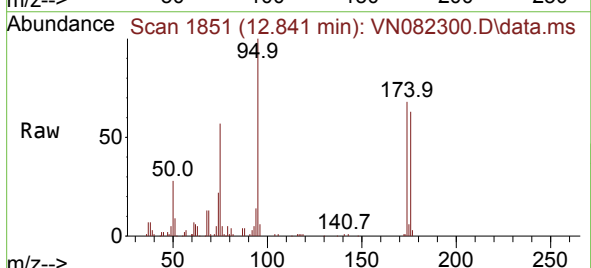
Tgt Ion:173 Resp: 319

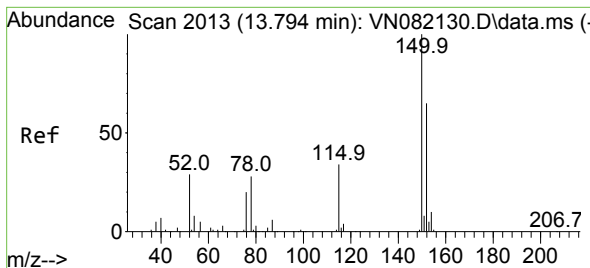
Ion Ratio Lower Upper

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# 20

Delta R.T. -0.000 min

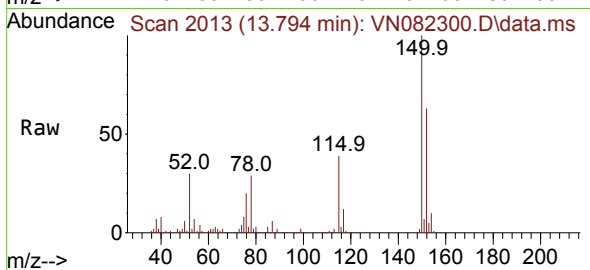
Lab File: VN082300.D

Acq: 22 May 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :



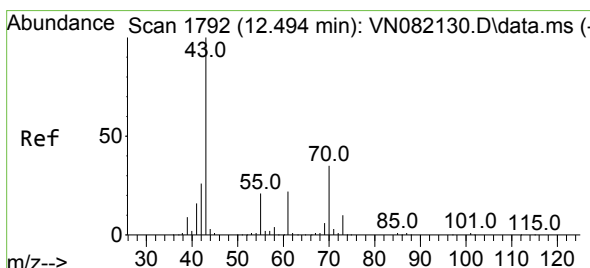
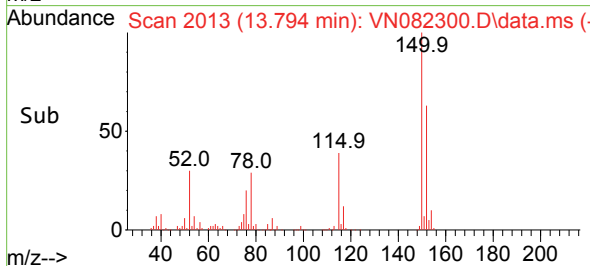
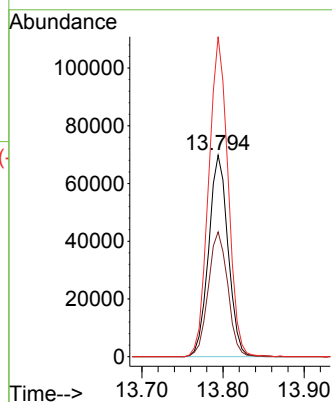
Tgt Ion:152 Resp: 115906

Ion Ratio Lower Upper

152 100

115 62.3 30.4 91.3

150 158.2 0.0 353.2



#74

N-ethyl acetate

Concen: 0.473 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN082300.D

Acq: 22 May 2024 18:15

Tgt Ion: 43 Resp: 2395

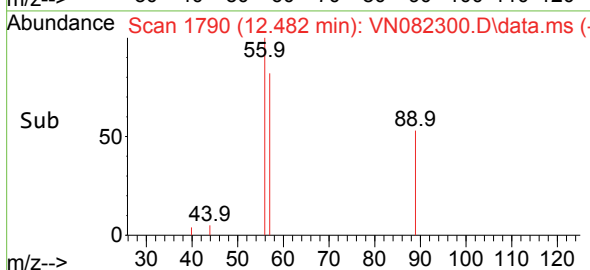
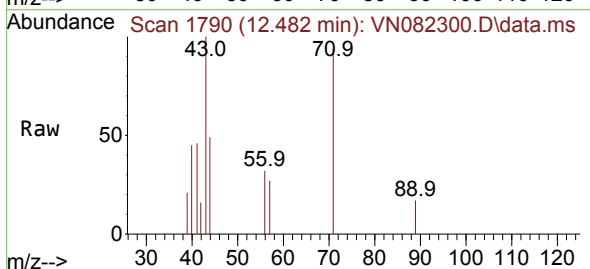
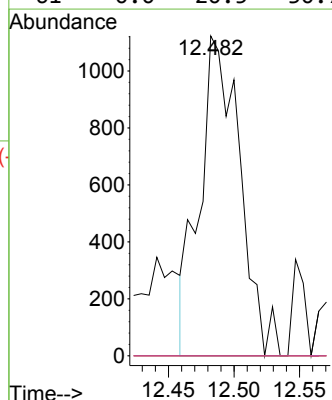
Ion Ratio Lower Upper

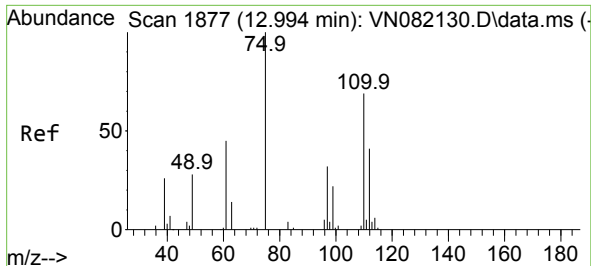
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#

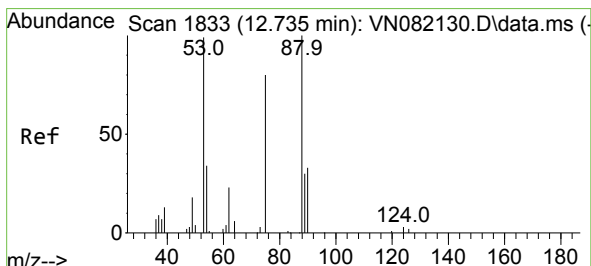
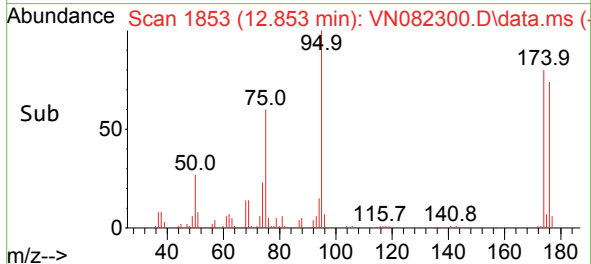
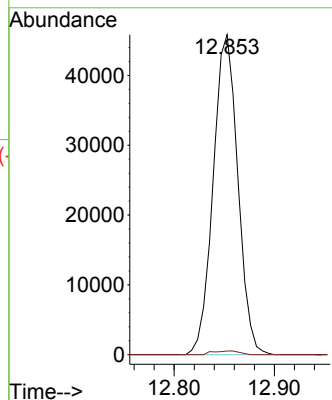
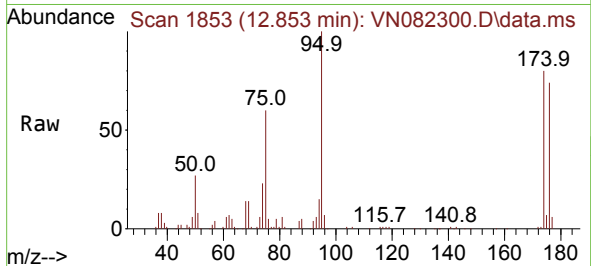




#76
1,2,3-Trichloropropane
Concen: 32.073 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 78243
Ion Ratio Lower Upper
75 100
77 1.3 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.017 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082300.D
Acq: 22 May 2024 18:15

Tgt Ion: 75 Resp: 78243
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

