

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082073.D
 Acq On : 10 May 2024 16:34
 Operator : JC\MD
 Sample : PB160834ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:24:32 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)

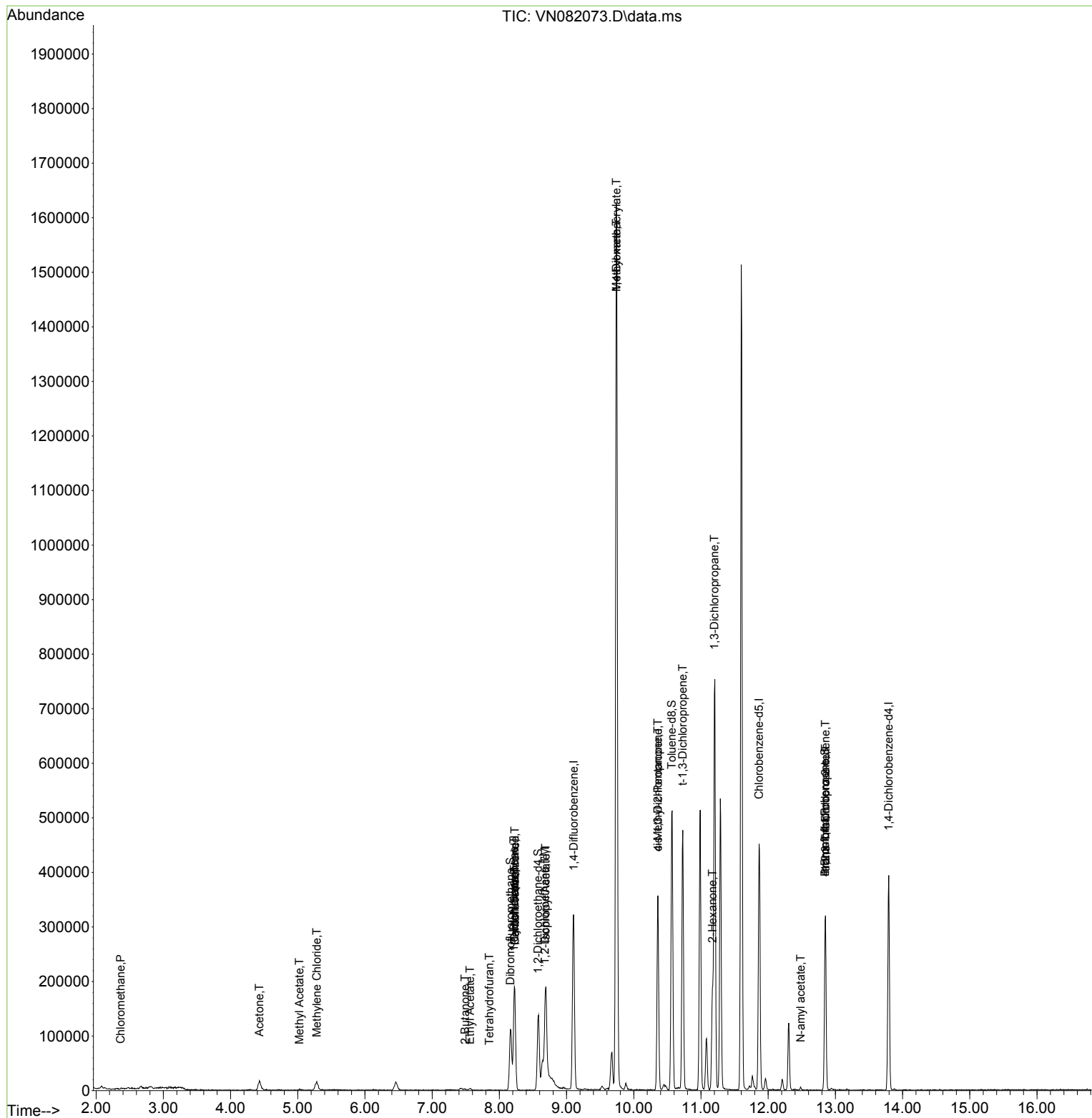
Internal Standards						
1) Pentafluorobenzene	8.230	168	123120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	262891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	238602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106727	51.362	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.720%			
35) Dibromofluoromethane	8.165	113	81006	51.178	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.360%			
50) Toluene-d8	10.565	98	337399	54.275	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.560%			
62) 4-Bromofluorobenzene	12.847	95	112900	45.943	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.880%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	574	0.318	ug/l #	43
5) Bromomethane	2.977	94	305	Below Cal	#	56
13) Acrolein	4.189	56	164	Below Cal		99
16) Acetone	4.430	43	30047	44.403	ug/l	94
18) Methyl Acetate	5.024	43	2425	1.152	ug/l #	76
20) Methylene Chloride	5.283	84	11134	6.252	ug/l #	91
25) 2-Butanone	7.488	43	2981	2.528	ug/l #	78
29) Tetrahydrofuran	7.853	42	684	0.809	ug/l #	58
31) Cyclohexane	8.224	56	5005	1.599	ug/l #	60
36) 1,1-Dichloropropene	8.218	75	14665	5.695	ug/l #	48
37) Ethyl Acetate	7.565	43	5065	1.819	ug/l #	80
38) Carbon Tetrachloride	8.230	117	14249	5.662	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	1223	0.426	ug/l #	73
43) Isopropyl Acetate	8.688	43	297449	56.819	ug/l #	73
48) Methyl methacrylate	9.741	41	142992	57.216	ug/l #	36
49) 1,4-Dioxane	9.741	88	222	5.844	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	131758	44.708	ug/l #	44
53) t-1,3-Dichloropropene	10.729	75	1133	0.353	ug/l	90
54) cis-1,3-Dichloropropene	10.359	75	61028	18.454	ug/l #	67
57) 1,3-Dichloropropane	11.200	76	7776	2.402	ug/l #	42
59) 2-Hexanone	11.171	43	153965	70.201	ug/l #	23
71) Bromoform	12.847	173	613	0.460	ug/l #	1
74) N-amyl acetate	12.482	43	2076	0.459	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	63791	26.926	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63791	55.175	ug/l #	12

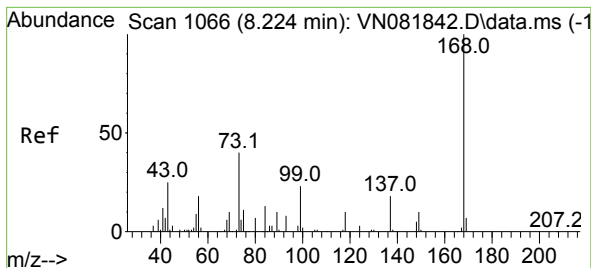
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 10 23:24:32 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: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082073.D

Acq: 10 May 2024 16:34

Instrument :

MSVOA_N

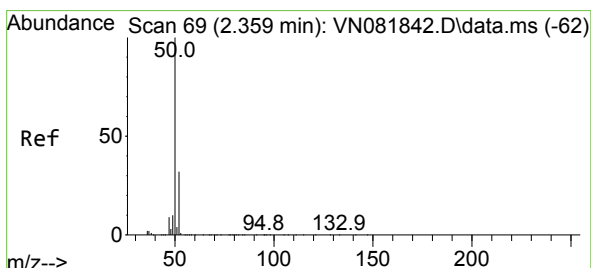
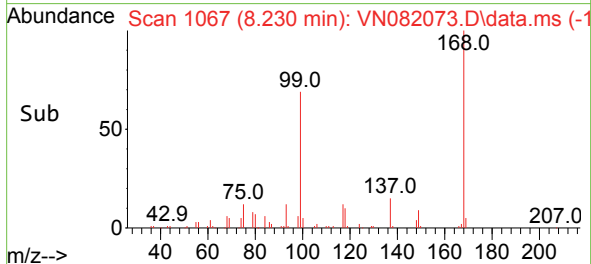
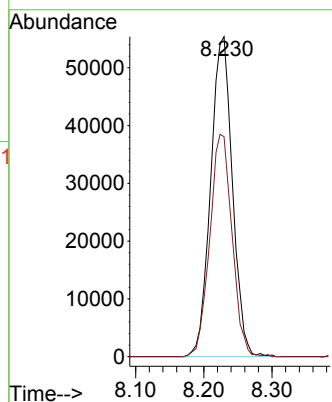
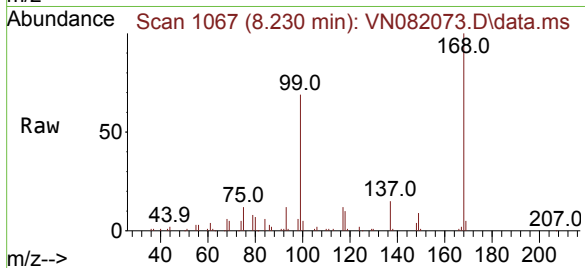
ClientSampleId :

Tgt Ion:168 Resp: 123120

Ion Ratio Lower Upper

168 100

99 68.8 48.2 72.4



#3

Chloromethane

Concen: 0.318 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082073.D

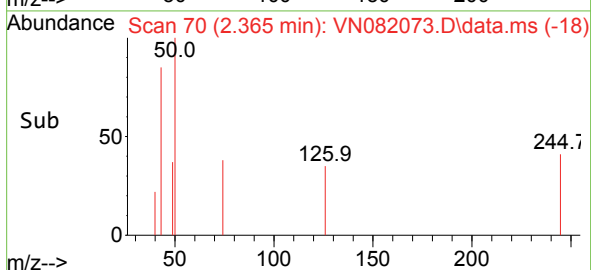
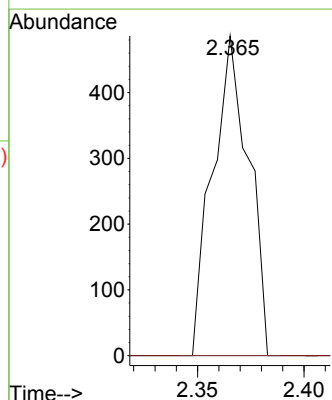
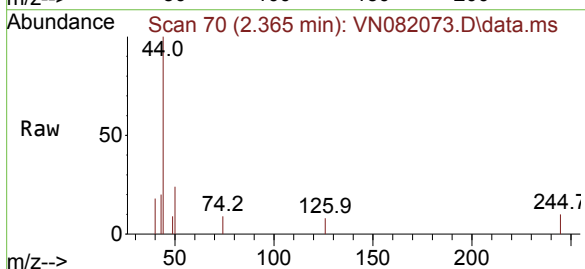
Acq: 10 May 2024 16:34

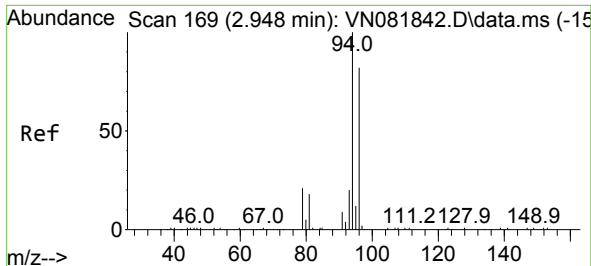
Tgt Ion: 50 Resp: 574

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

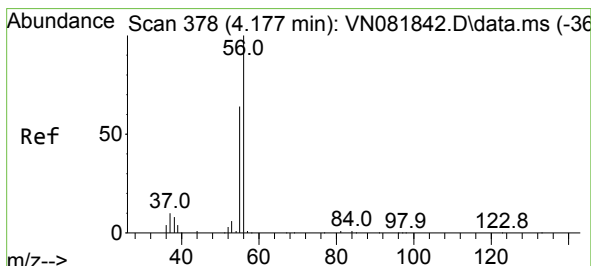
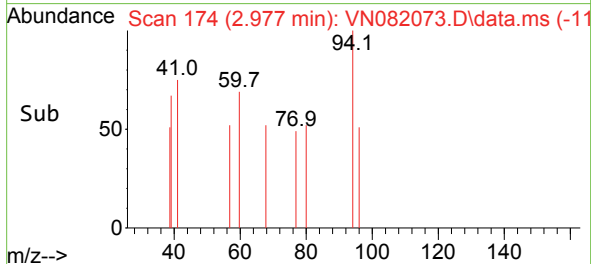
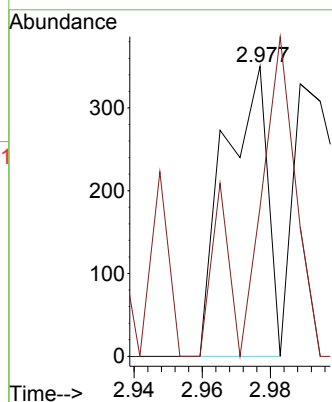
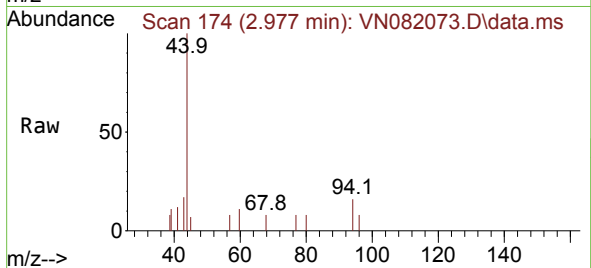




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

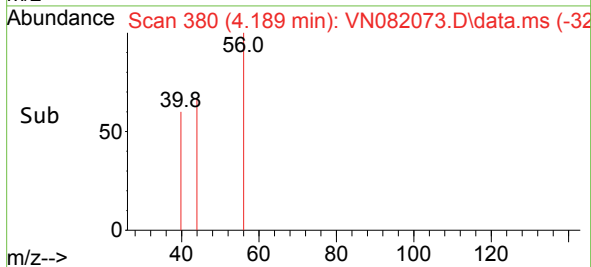
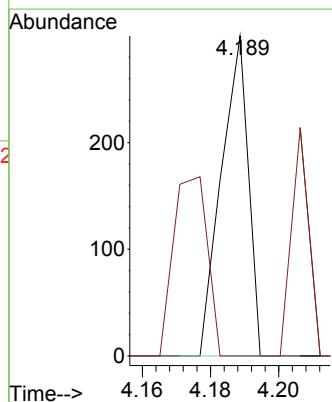
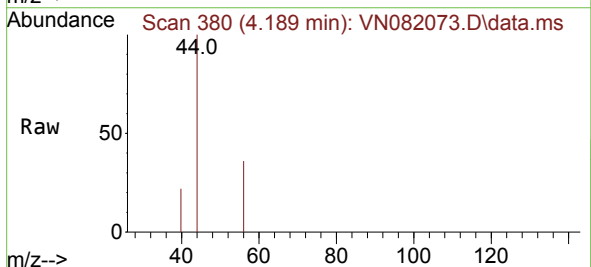
Instrument :
MSVOA_N
ClientSampleId :

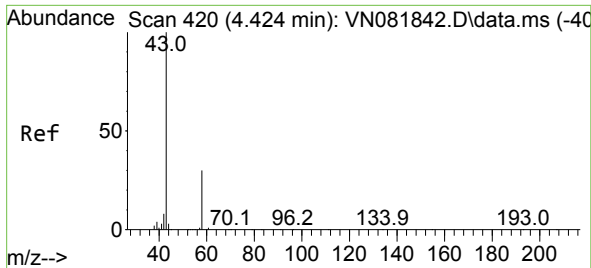
Tgt Ion: 94 Resp: 305
Ion Ratio Lower Upper
94 100
96 51.4 74.8 112.2#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

Tgt Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
55 70.7 55.8 83.8

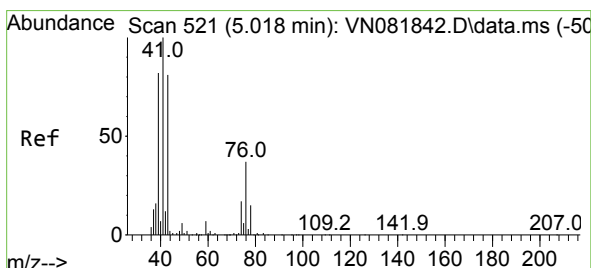
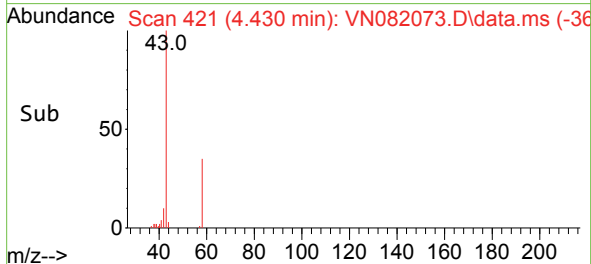
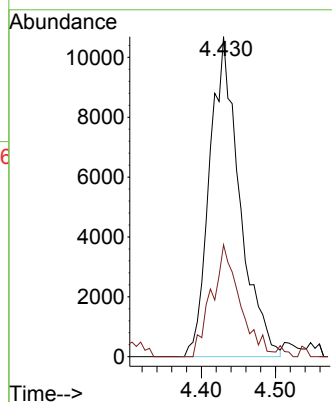
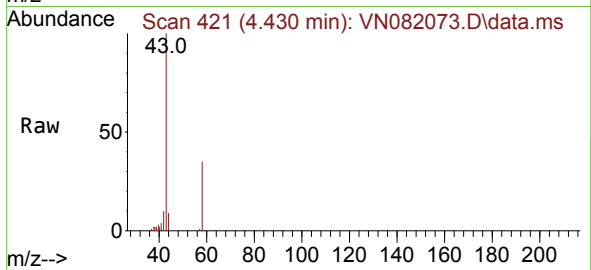




#16
Acetone
Concen: 44.403 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

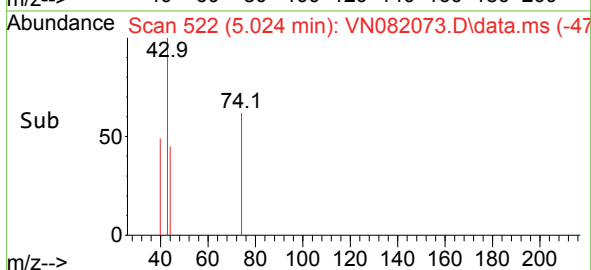
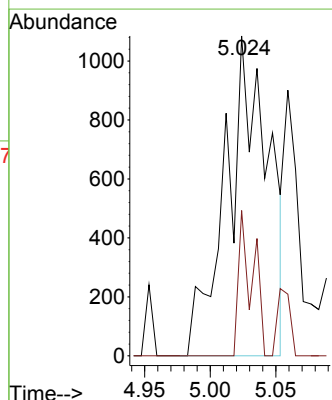
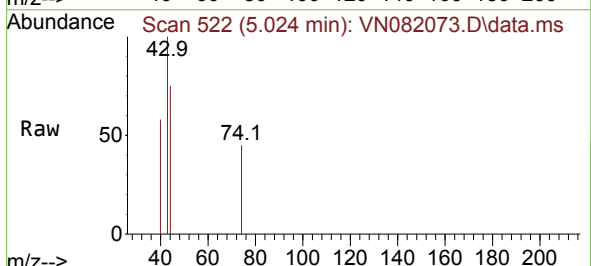
Instrument :
MSVOA_N
ClientSampleId :

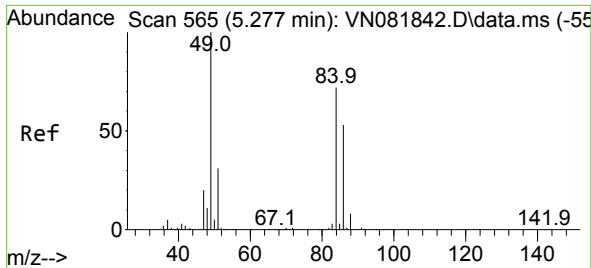
Tgt Ion: 43 Resp: 30047
Ion Ratio Lower Upper
43 100
58 35.0 25.2 37.8



#18
Methyl Acetate
Concen: 1.152 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

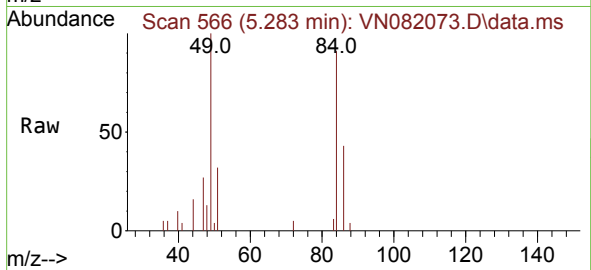
Tgt Ion: 43 Resp: 2425
Ion Ratio Lower Upper
43 100
74 15.3 22.2 33.2#



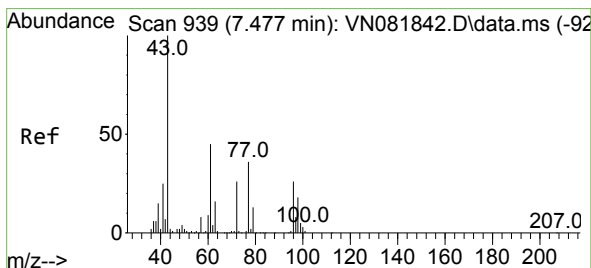
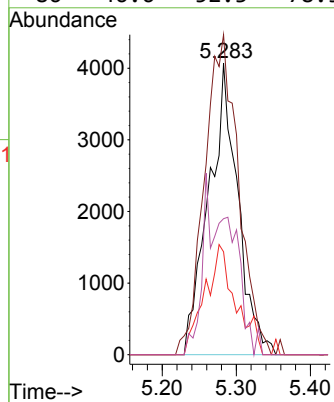
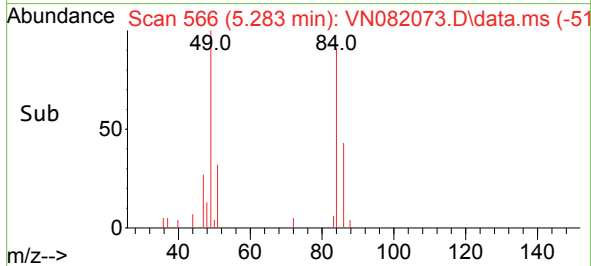


#20
Methylene Chloride
Concen: 6.252 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

Instrument :
MSVOA_N
ClientSampleId :

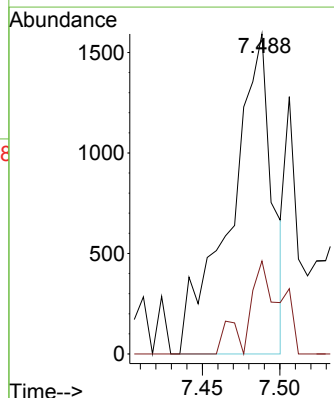
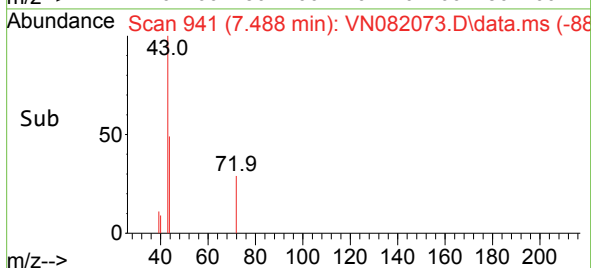
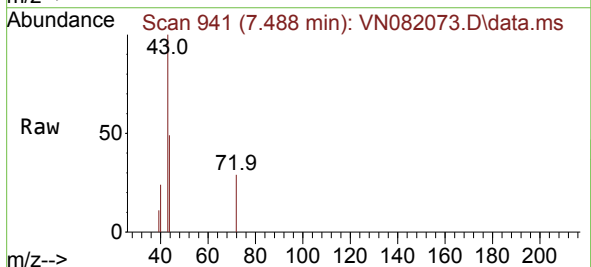


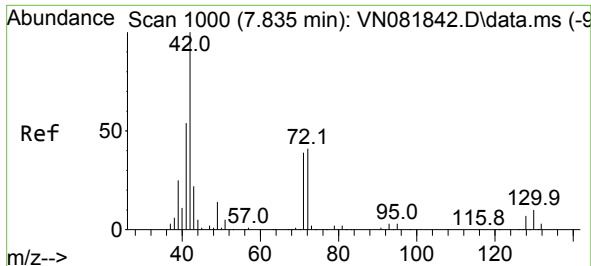
Tgt Ion: 84 Resp: 11134
Ion Ratio Lower Upper
84 100
49 104.8 84.9 127.3
51 35.3 27.0 40.6
86 46.6 52.3 78.5#



#25
2-Butanone
Concen: 2.528 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

Tgt Ion: 43 Resp: 2981
Ion Ratio Lower Upper
43 100
72 19.4 25.3 37.9#





#29

Tetrahydrofuran

Concen: 0.809 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

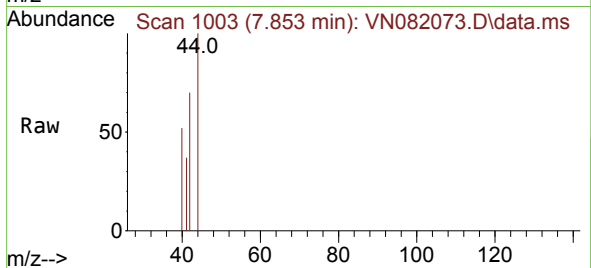
Lab File: VN082073.D

Acq: 10 May 2024 16:34

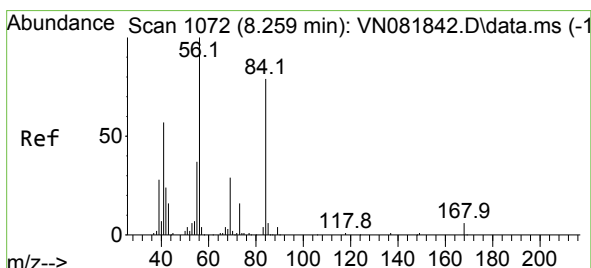
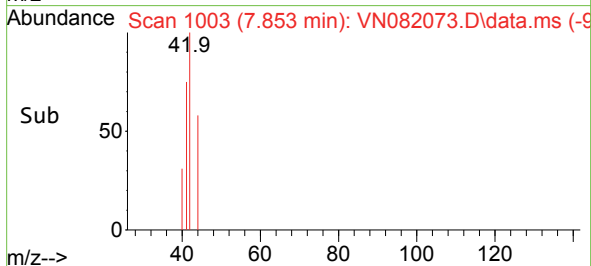
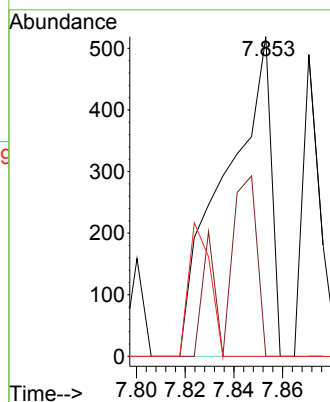
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	684
Ion Ratio	Lower	Upper	
42	100		
72	39.3	39.3	58.9
71	0.0	37.4	56.0#



#31

Cyclohexane

Concen: 1.599 ug/l

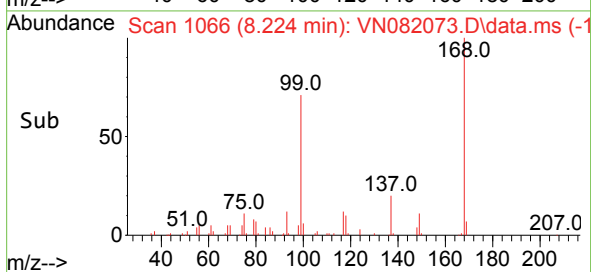
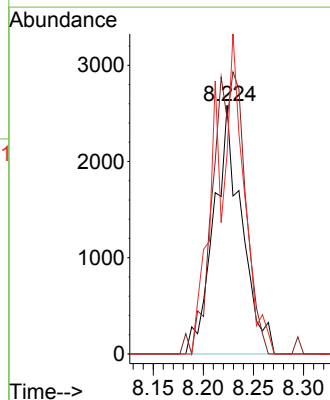
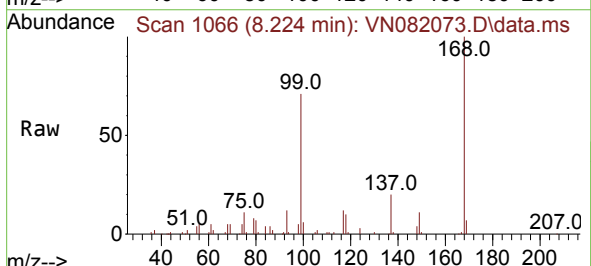
RT: 8.224 min Scan# 1066

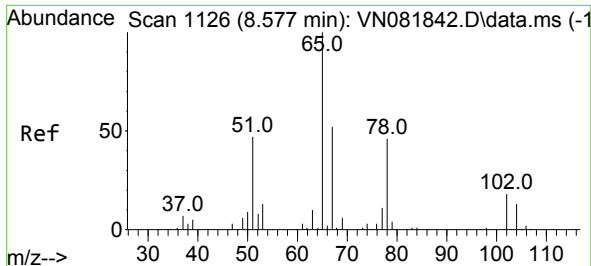
Delta R.T. -0.035 min

Lab File: VN082073.D

Acq: 10 May 2024 16:34

Tgt Ion:	56	Resp:	5005
Ion Ratio	Lower	Upper	
56	100		
69	94.7	24.4	36.6#
84	80.6	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 51.362 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN082073.D

Acq: 10 May 2024 16:34

Instrument :

MSVOA_N

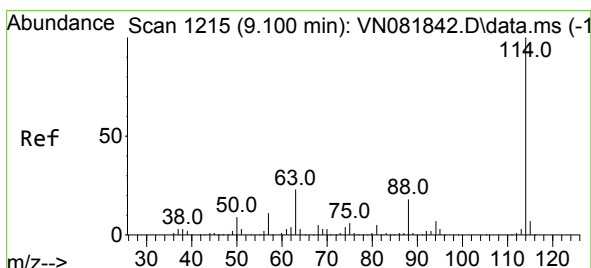
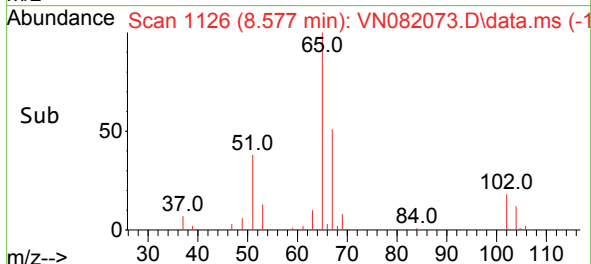
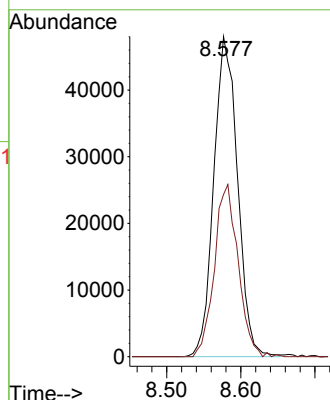
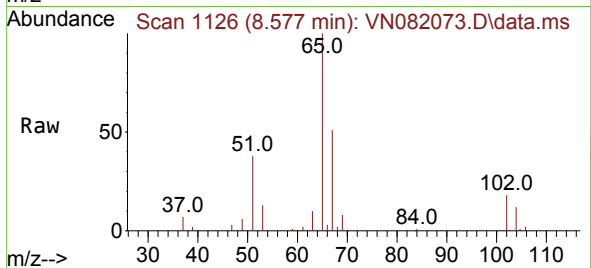
ClientSampleId :

Tgt Ion: 65 Resp: 106727

Ion Ratio Lower Upper

65 100

67 53.8 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: VN082073.D

Acq: 10 May 2024 16:34

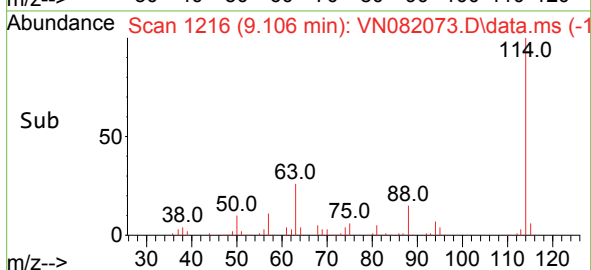
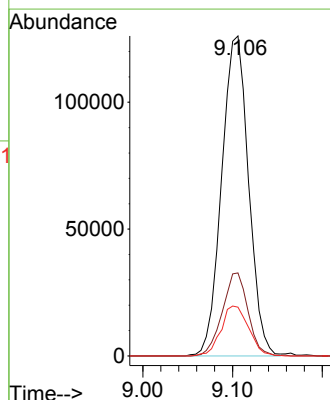
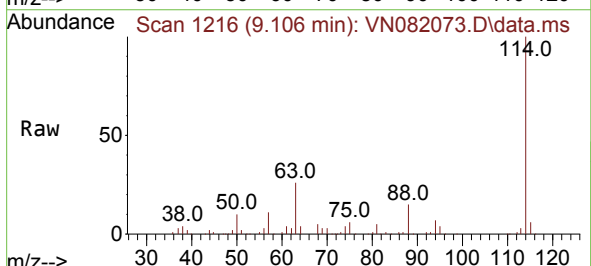
Tgt Ion: 114 Resp: 262891

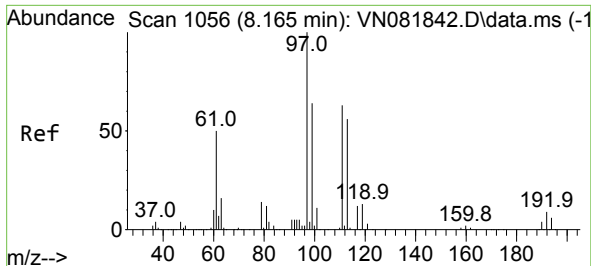
Ion Ratio Lower Upper

114 100

63 25.9 0.0 41.0

88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.178 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

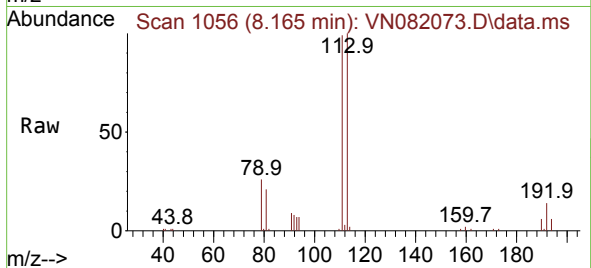
Lab File: VN082073.D

Acq: 10 May 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :



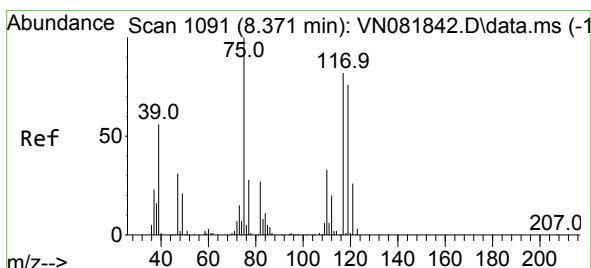
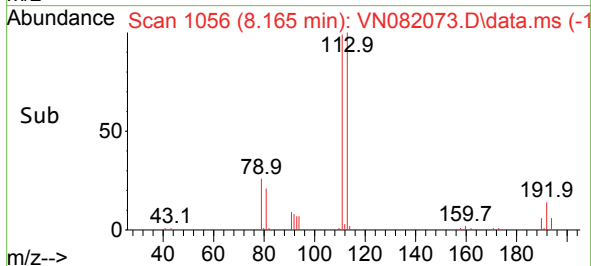
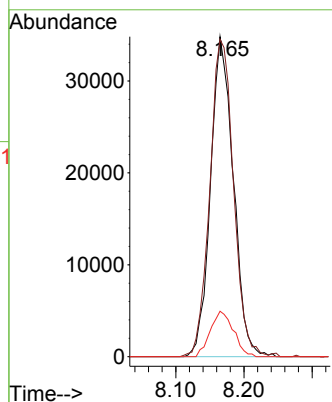
Tgt Ion:113 Resp: 81006

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

192 14.4 14.0 21.0



#36

1,1-Dichloropropene

Concen: 5.695 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN082073.D

Acq: 10 May 2024 16:34

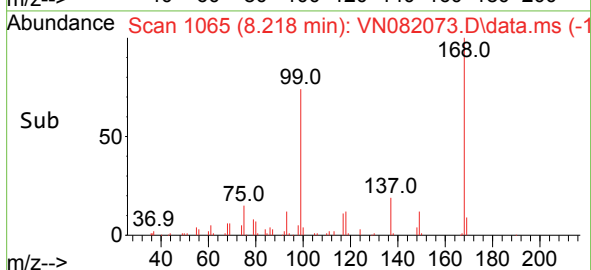
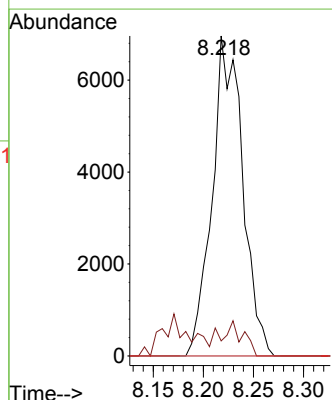
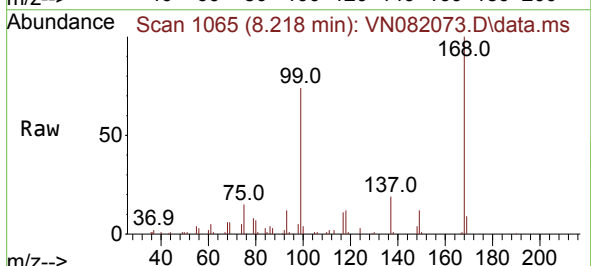
Tgt Ion: 75 Resp: 14665

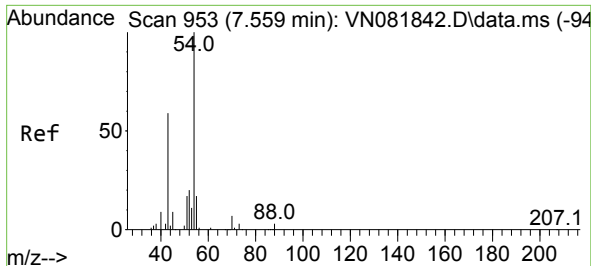
Ion Ratio Lower Upper

75 100

110 8.0 17.8 53.5#

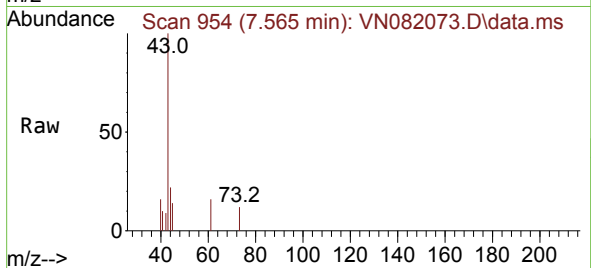
77 0.0 25.0 37.4#



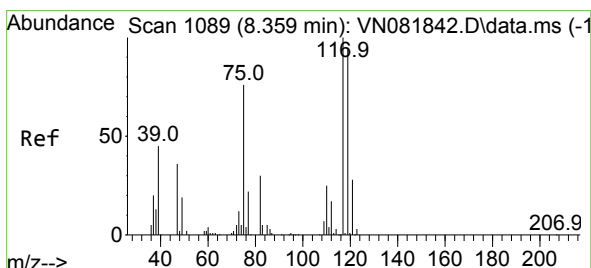
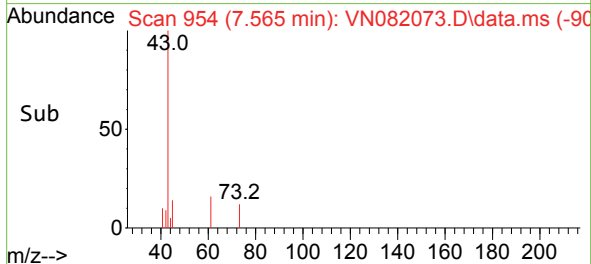
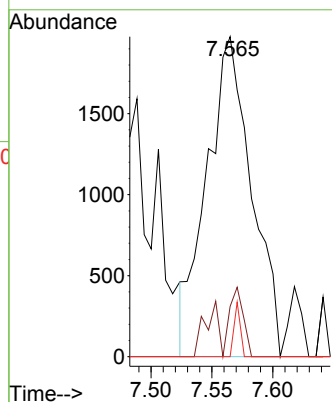


#37
Ethyl Acetate
Concen: 1.819 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

Instrument :
MSVOA_N
ClientSampleId :

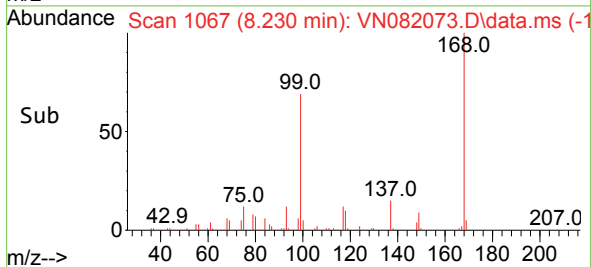
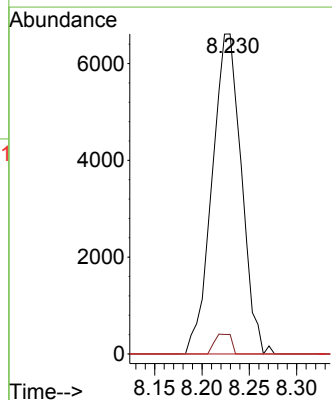
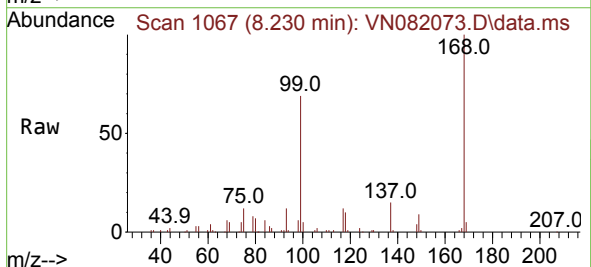


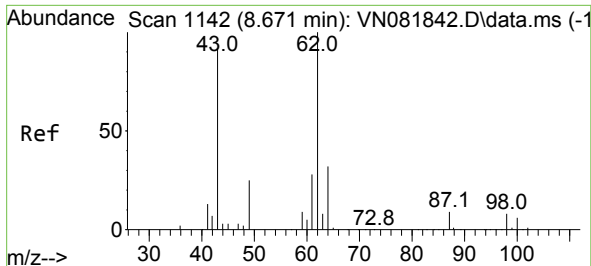
Tgt Ion: 43 Resp: 5065
Ion Ratio Lower Upper
43 100
61 6.7 11.3 16.9#
70 2.3 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.662 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

Tgt Ion: 117 Resp: 14249
Ion Ratio Lower Upper
117 100
119 6.1 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.426 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN082073.D

Acq: 10 May 2024 16:34

Instrument :

MSVOA_N

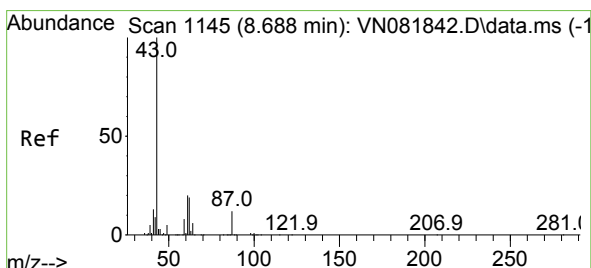
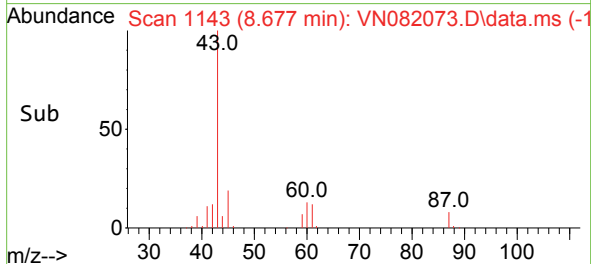
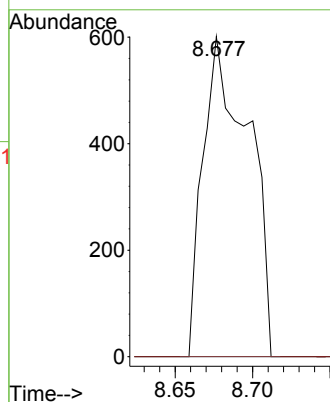
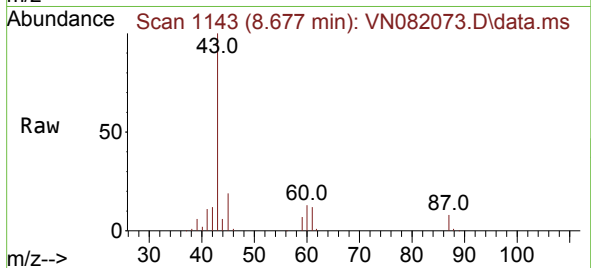
ClientSampleId :

Tgt Ion: 62 Resp: 1223

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 56.819 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082073.D

Acq: 10 May 2024 16:34

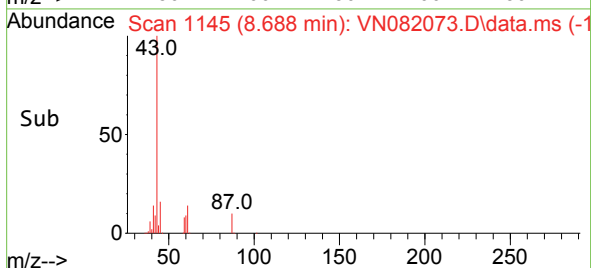
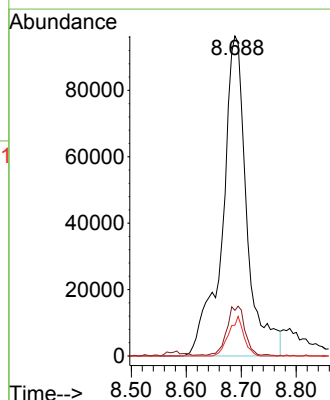
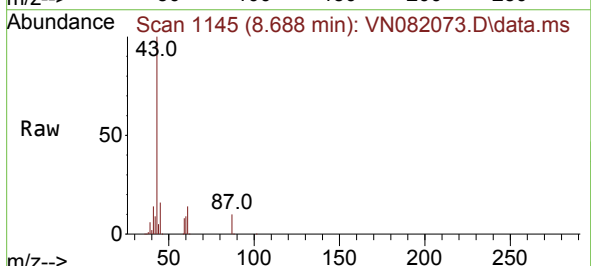
Tgt Ion: 43 Resp: 297449

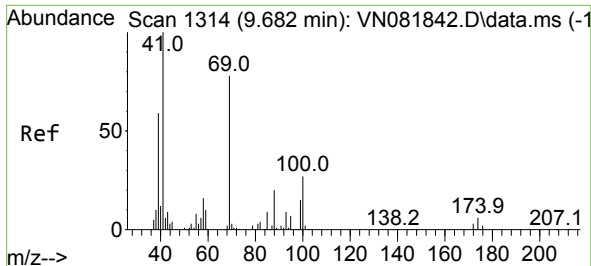
Ion Ratio Lower Upper

43 100

61 11.2 22.8 34.2#

87 7.6 12.0 18.0#





#48

Methyl methacrylate

Concen: 57.216 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

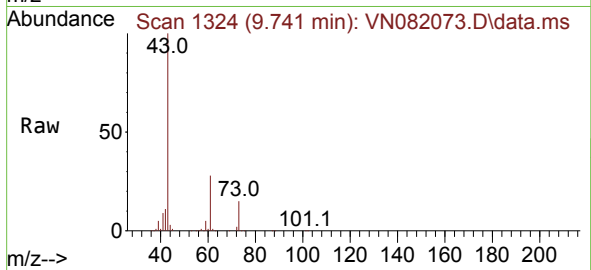
Lab File: VN082073.D

Acq: 10 May 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :



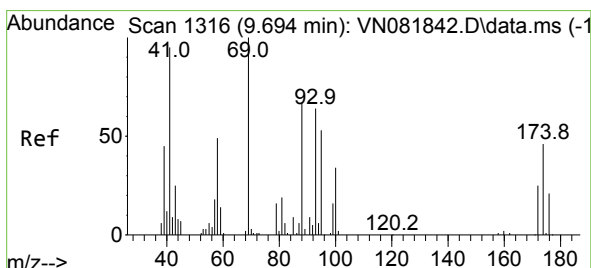
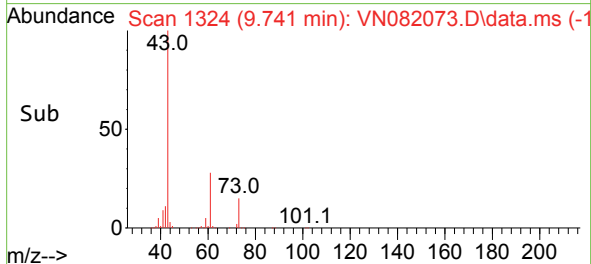
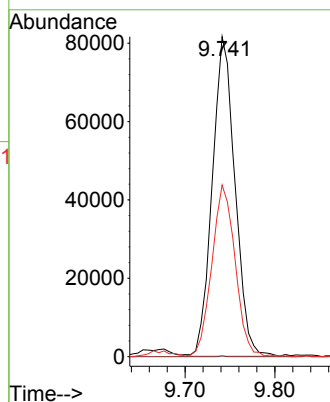
Tgt Ion: 41 Resp: 142992

Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 55.5 50.9 76.3



#49

1,4-Dioxane

Concen: 5.844 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN082073.D

Acq: 10 May 2024 16:34

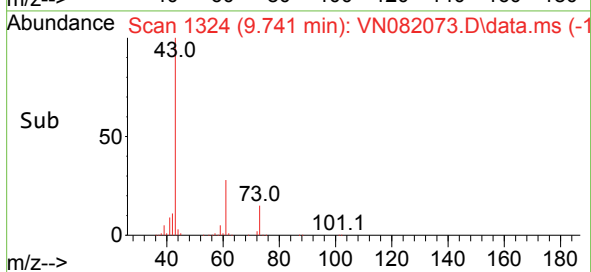
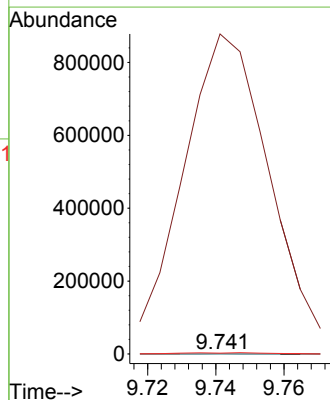
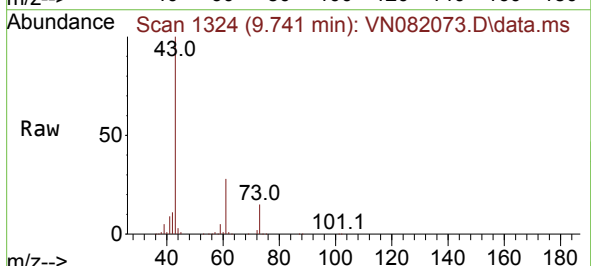
Tgt Ion: 88 Resp: 222

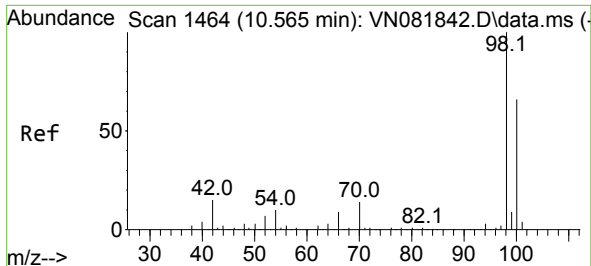
Ion Ratio Lower Upper

88 100

43 713922.1 19.0 28.6#

58 2785.6 50.6 76.0#

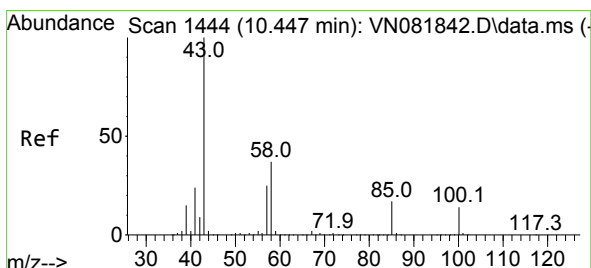
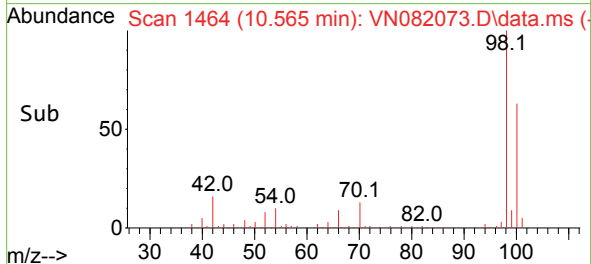
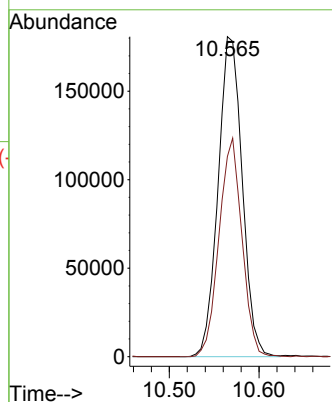
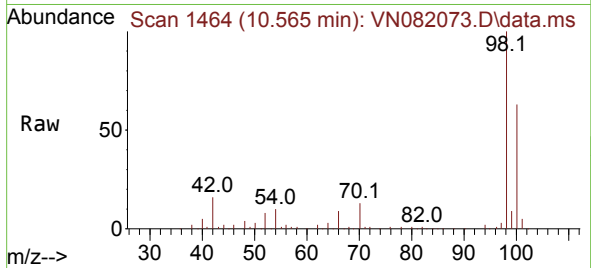




#50
Toluene-d8
Concen: 54.275 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

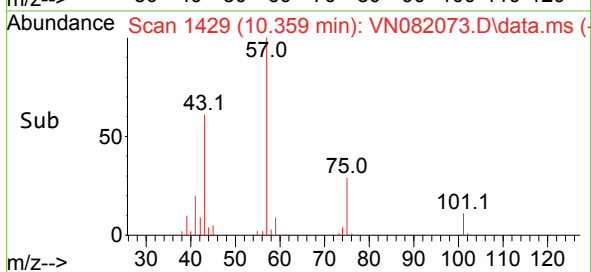
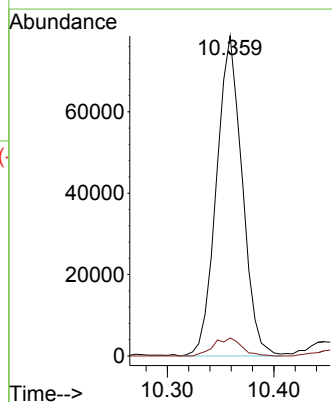
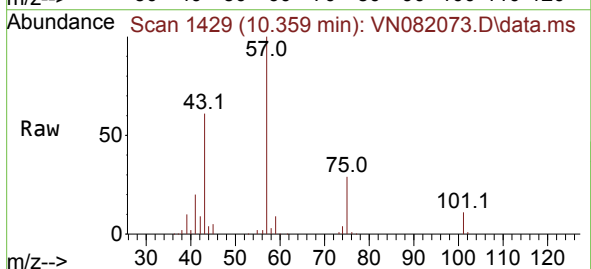
Instrument :
MSVOA_N
ClientSampleId :

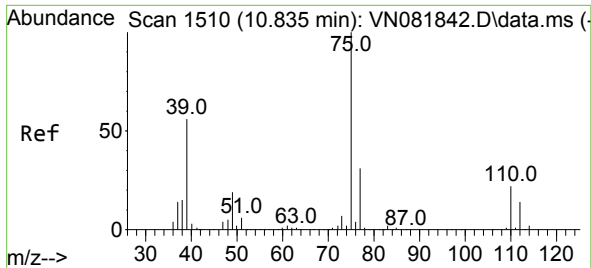
Tgt Ion: 98 Resp: 337399
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 44.708 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

Tgt Ion: 43 Resp: 131758
Ion Ratio Lower Upper
43 100
58 6.1 33.2 49.8#

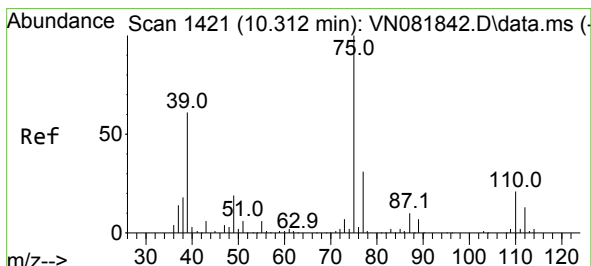
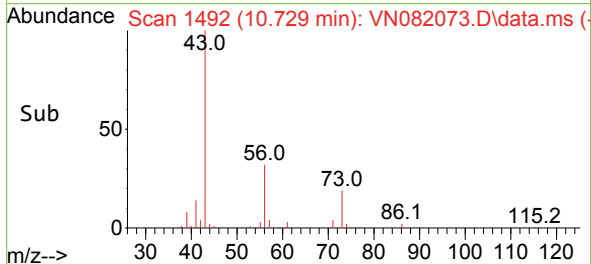
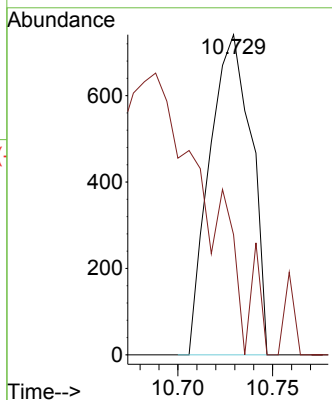
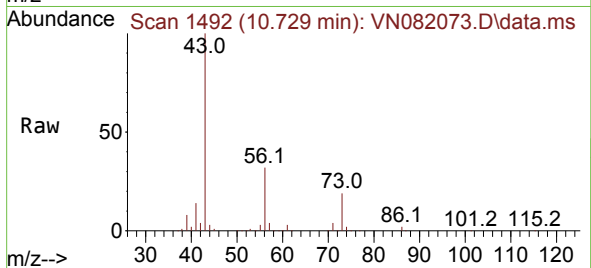




#53
 t-1,3-Dichloropropene
 Concen: 0.353 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082073.D
 Acq: 10 May 2024 16:34

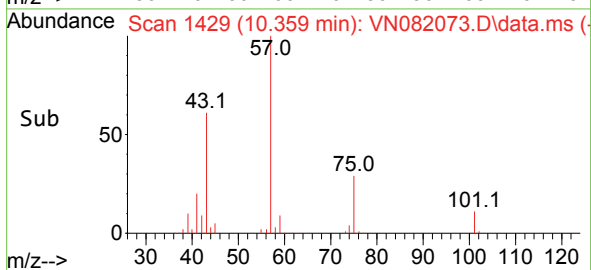
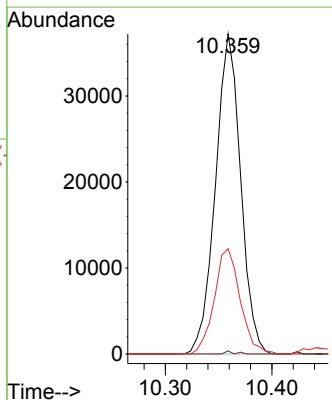
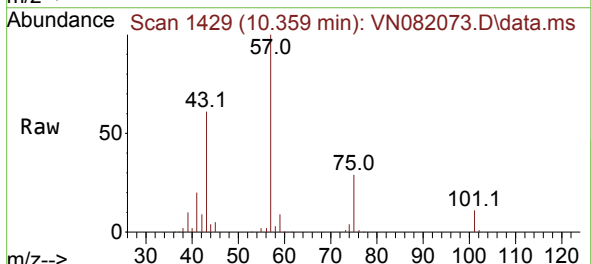
Instrument :
 MSVOA_N
 ClientSampleId :

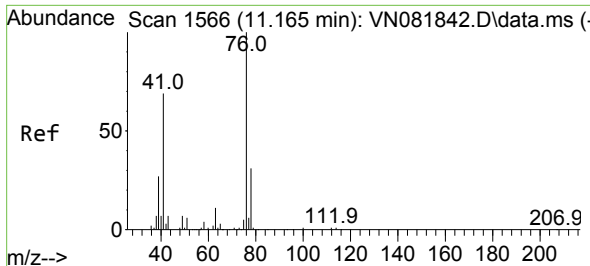
Tgt Ion: 75 Resp: 1133
 Ion Ratio Lower Upper
 75 100
 77 37.5 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 18.454 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082073.D
 Acq: 10 May 2024 16:34

Tgt Ion: 75 Resp: 61028
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.0 37.4#
 39 32.9 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 2.402 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.035 min

Lab File: VN082073.D

Acq: 10 May 2024 16:34

Instrument :

MSVOA_N

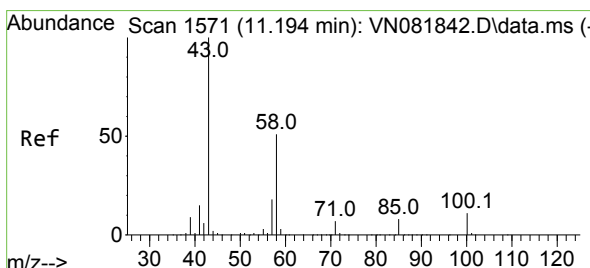
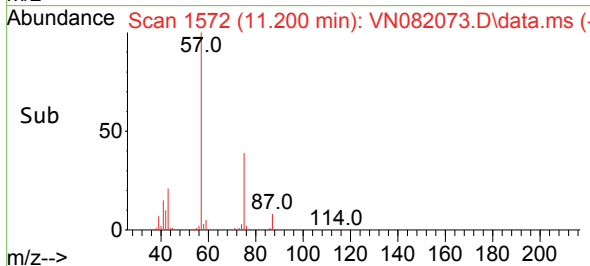
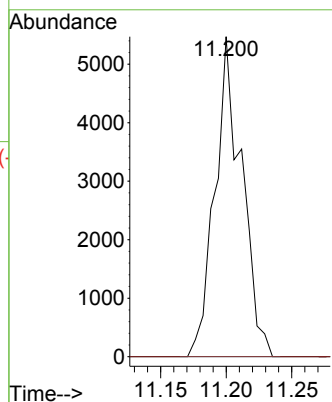
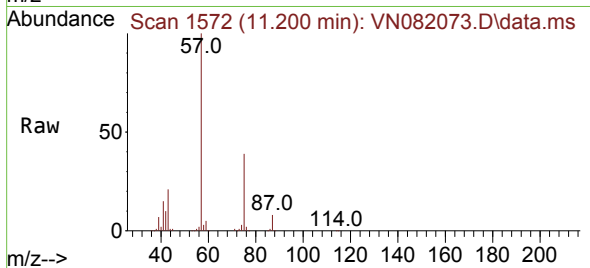
ClientSampleId :

Tgt Ion: 76 Resp: 7776

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 70.201 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082073.D

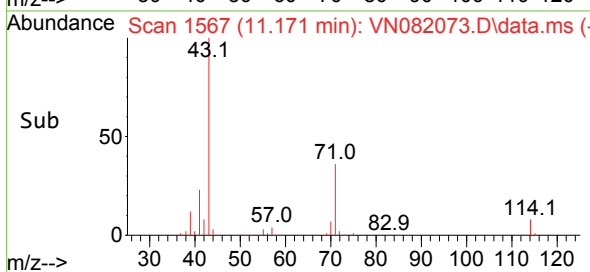
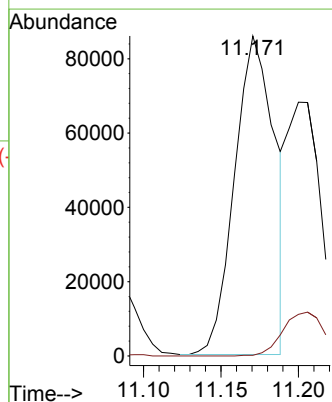
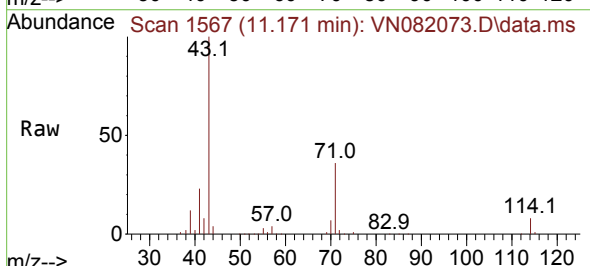
Acq: 10 May 2024 16:34

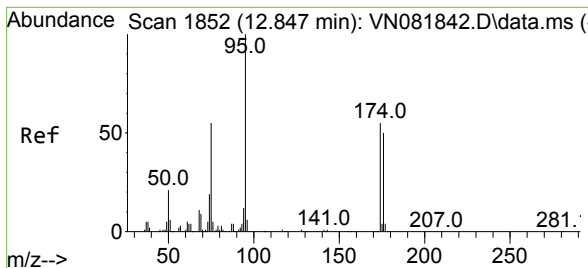
Tgt Ion: 43 Resp: 153965

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

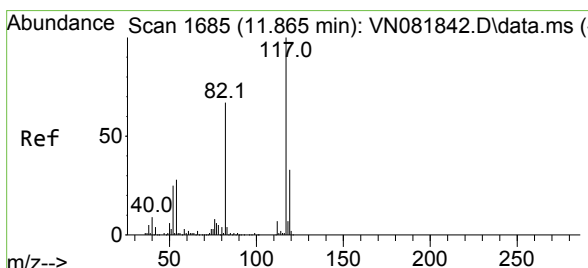
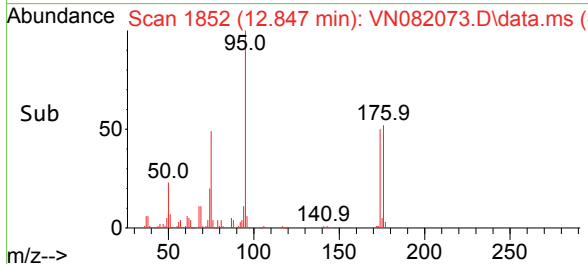
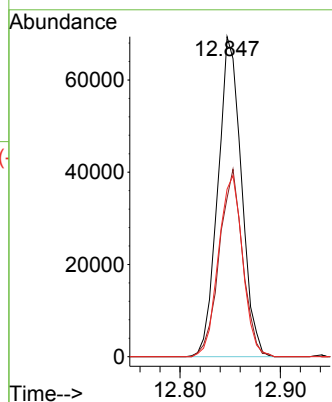
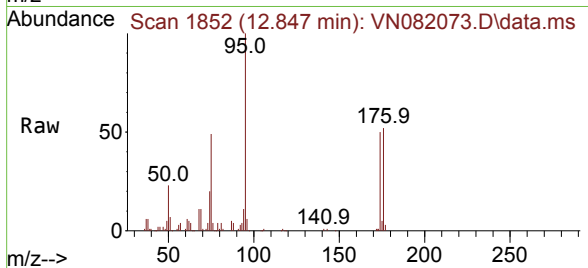




#62
4-Bromofluorobenzene
Concen: 45.943 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

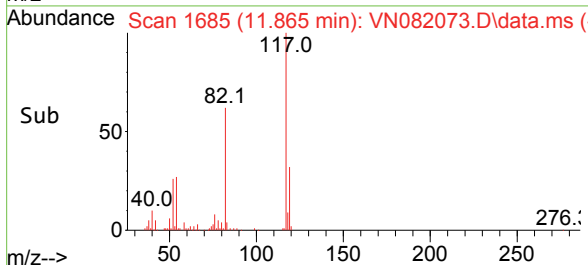
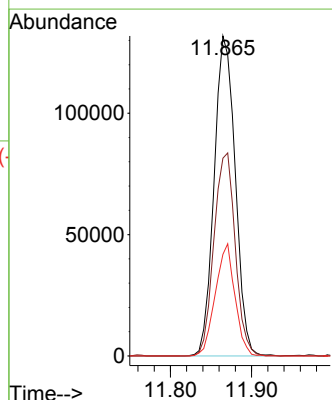
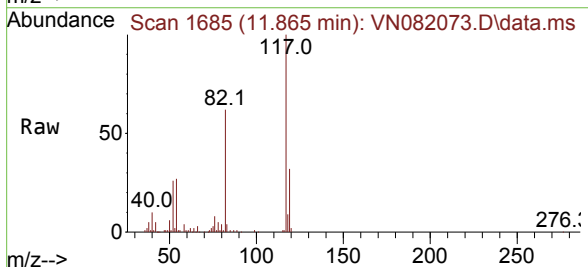
Instrument :
MSVOA_N
ClientSampleId :

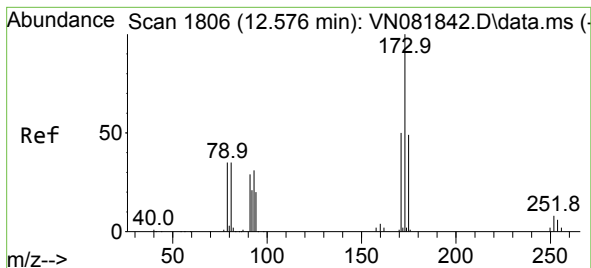
Tgt Ion: 95 Resp: 112900
Ion Ratio Lower Upper
95 100
174 58.2 0.0 160.6
176 58.1 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

Tgt Ion: 117 Resp: 238602
Ion Ratio Lower Upper
117 100
82 61.8 44.6 66.8
119 31.8 25.9 38.9





#71

Bromoform

Concen: 0.460 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

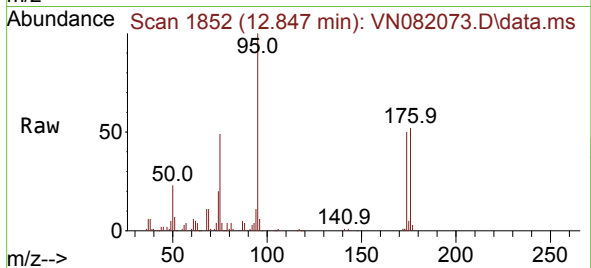
Lab File: VN082073.D

Acq: 10 May 2024 16:34

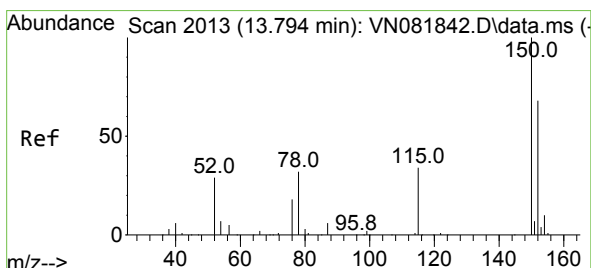
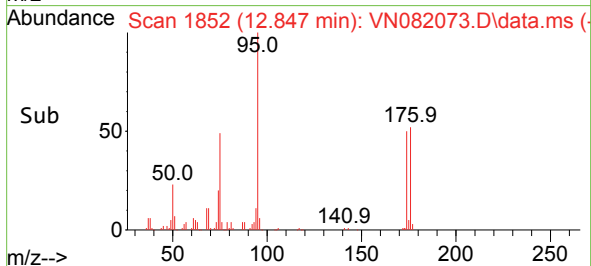
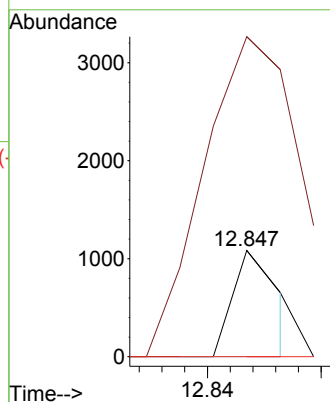
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	613
Ion Ratio	Lower	Upper	
173	100		
175	544.4	24.6	74.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

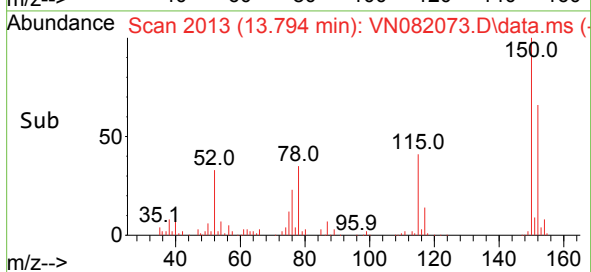
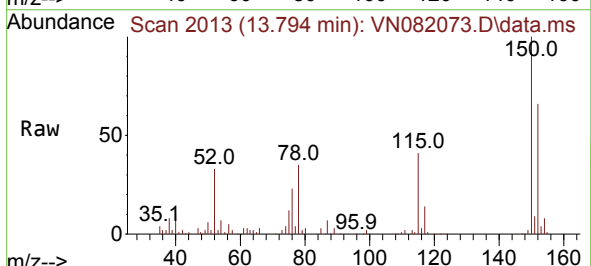
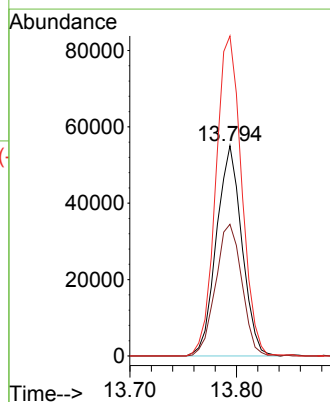
RT: 13.794 min Scan# 2013

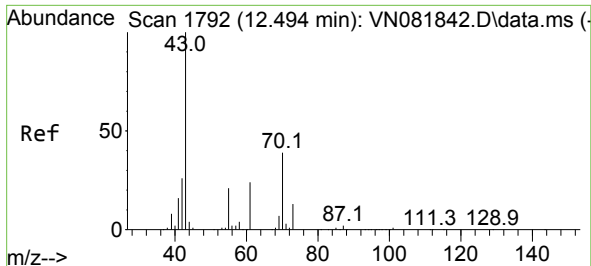
Delta R.T. 0.000 min

Lab File: VN082073.D

Acq: 10 May 2024 16:34

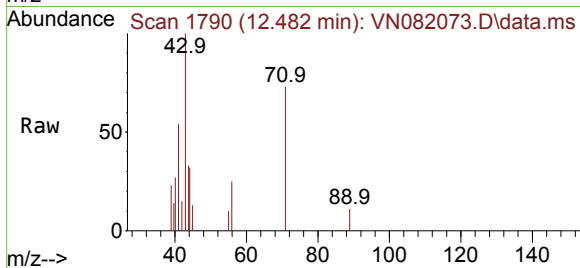
Tgt Ion:	152	Resp:	91374
Ion Ratio	Lower	Upper	
152	100		
115	64.6	30.4	91.3
150	154.3	0.0	353.2



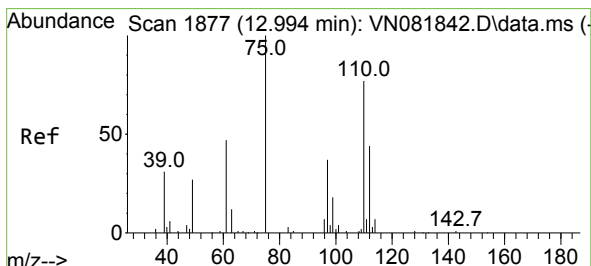
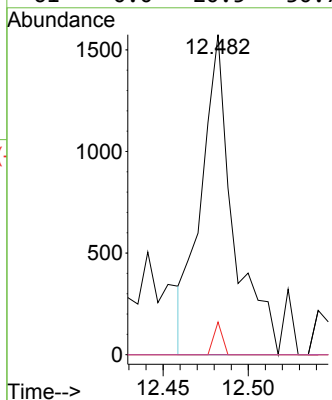
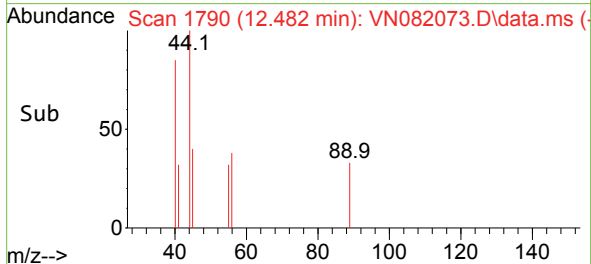


#74
N-amy1 acetate
Concen: 0.459 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

Instrument :
MSVOA_N
ClientSampleId :

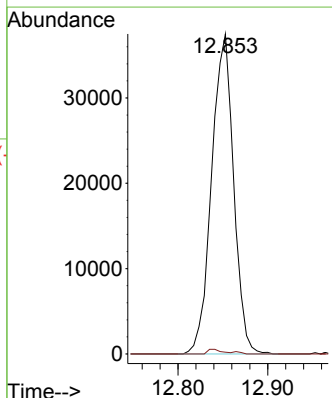
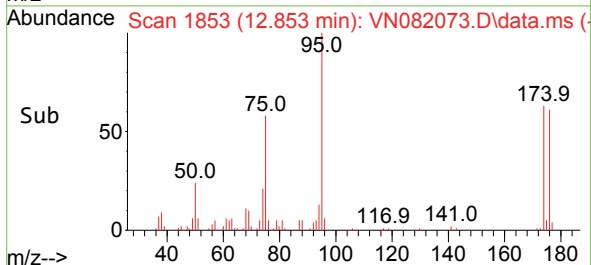
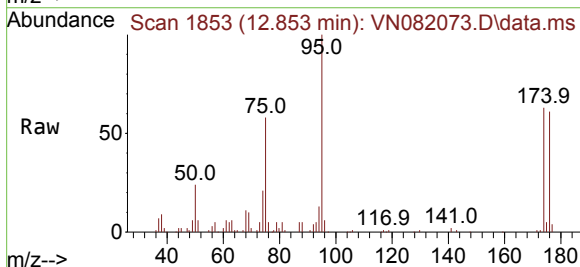


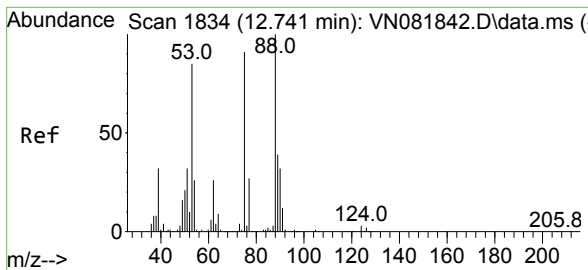
Tgt Ion: 43	Resp: 2076
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 2.7	21.3 31.9#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 26.926 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082073.D
Acq: 10 May 2024 16:34

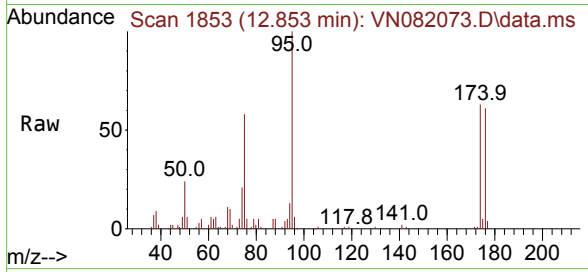
Tgt Ion: 75	Resp: 63791
Ion Ratio	Lower Upper
75 100	
77 1.2	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.175 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082073.D
 Acq: 10 May 2024 16:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 63791
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

