

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082071.D
 Acq On : 10 May 2024 15:46
 Operator : JC\MD
 Sample : PB160834ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:23:35 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

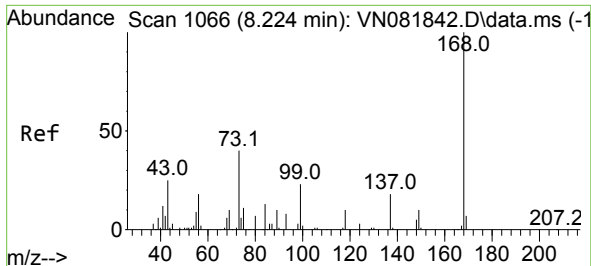
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	128930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117158	53.841	ug/l	0.00
Spiked Amount 50.000	Range 74	- 125	Recovery	=	107.680%	
35) Dibromofluoromethane	8.165	113	85964	51.342	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	=	102.680%	
50) Toluene-d8	10.571	98	357921	54.430	ug/l	0.00
Spiked Amount 50.000	Range 86	- 113	Recovery	=	108.860%	
62) 4-Bromofluorobenzene	12.853	95	116824	44.941	ug/l	0.00
Spiked Amount 50.000	Range 64	- 133	Recovery	=	89.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	474	0.251	ug/l #	53
5) Bromomethane	2.989	94	496	Below Cal	#	3
11) Tert butyl alcohol	5.512	59	4568	11.548	ug/l #	85
13) Acrolein	4.194	56	173	Below Cal	#	15
16) Acetone	4.441	43	24210	32.876	ug/l	95
18) Methyl Acetate	5.018	43	1255	0.569	ug/l #	82
20) Methylene Chloride	5.277	84	9649	5.174	ug/l #	89
25) 2-Butanone	7.482	43	19666	15.923	ug/l	95
29) Tetrahydrofuran	7.830	42	339	0.383	ug/l #	29
31) Cyclohexane	8.224	56	4934	1.505	ug/l #	18
36) 1,1-Dichloropropene	8.229	75	14334	5.262	ug/l #	49
37) Ethyl Acetate	7.565	43	4632	1.573	ug/l #	86
38) Carbon Tetrachloride	8.224	117	16427	6.170	ug/l #	20
42) 1,2-Dichloroethane	8.682	62	1337	0.440	ug/l #	73
43) Isopropyl Acetate	8.688	43	272588	49.224	ug/l #	73
48) Methyl methacrylate	9.665	41	6383	2.414	ug/l #	38
49) 1,4-Dioxane	9.659	88	74	1.842	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	112919	36.222	ug/l #	45
52) Toluene	10.629	92	1980	0.404	ug/l #	74
53) t-1,3-Dichloropropene	10.729	75	1044	0.308	ug/l #	81
54) cis-1,3-Dichloropropene	10.359	75	50784	14.517	ug/l #	64
56) Ethyl methacrylate	10.988	69	1161	0.317	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5439	1.589	ug/l #	42
59) 2-Hexanone	11.170	43	131874	56.842	ug/l #	23
74) N-amyl acetate	12.459	43	4504	0.982	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	67004	27.884	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67004	57.138	ug/l #	12

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

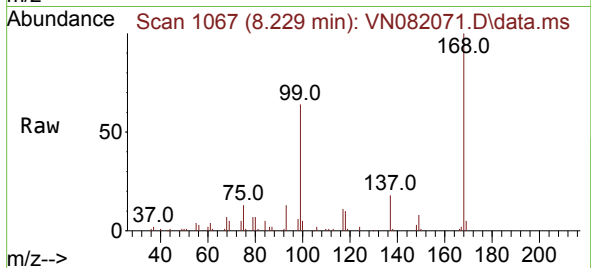
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration



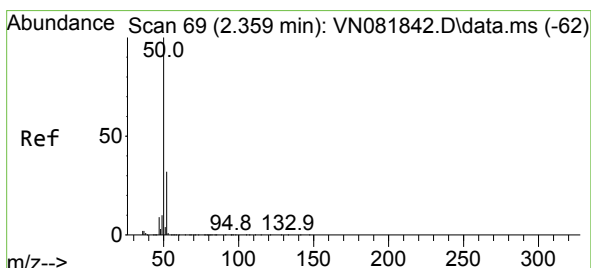
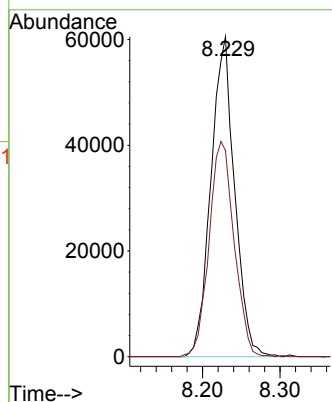
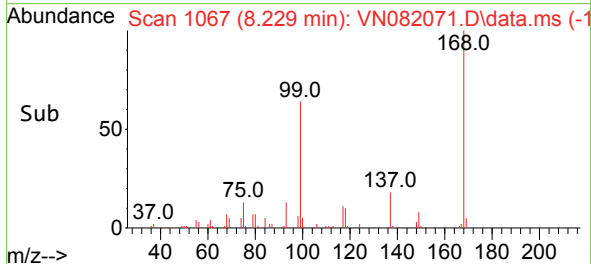


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

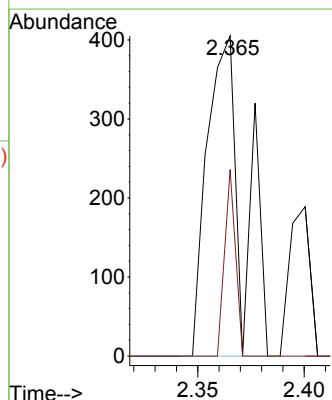
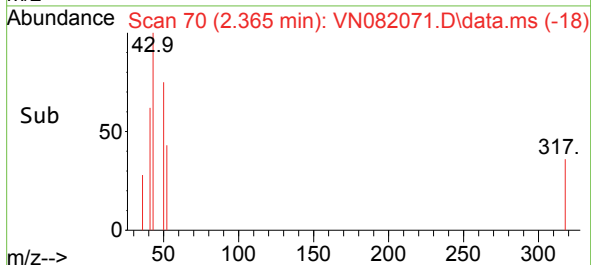
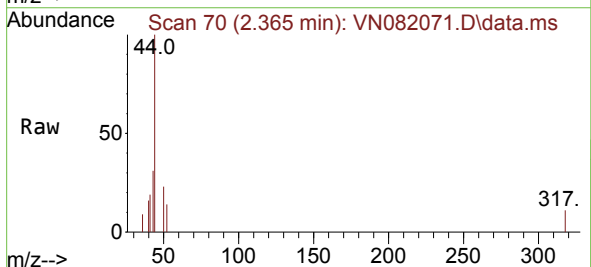


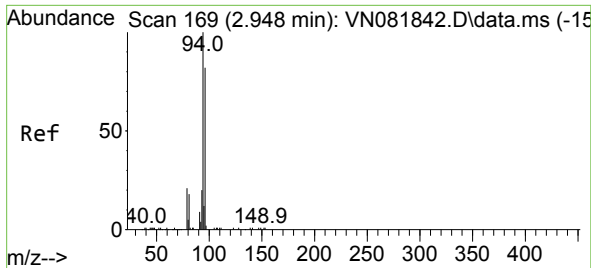
Tgt Ion:168 Resp: 128930
Ion Ratio Lower Upper
168 100
99 64.4 48.2 72.4



#3
Chloromethane
Concen: 0.251 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Tgt Ion: 50 Resp: 474
Ion Ratio Lower Upper
50 100
52 58.3 25.5 38.3#

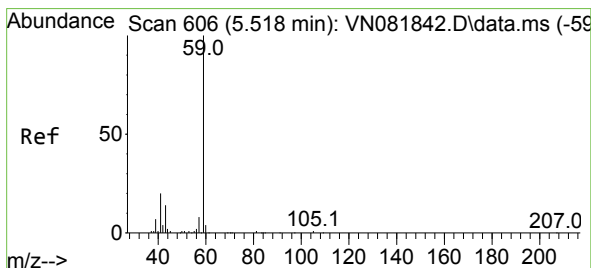
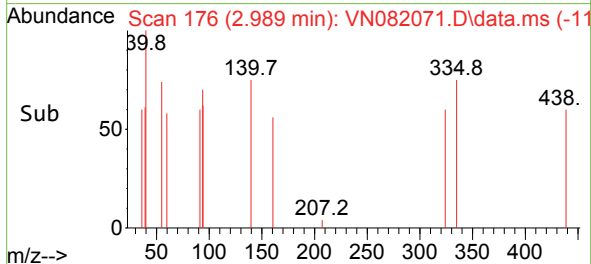
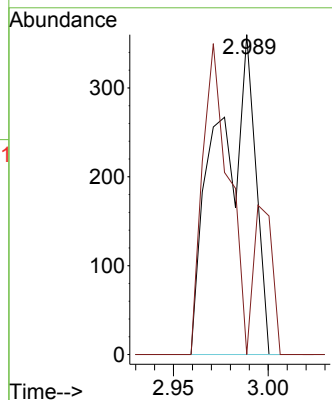
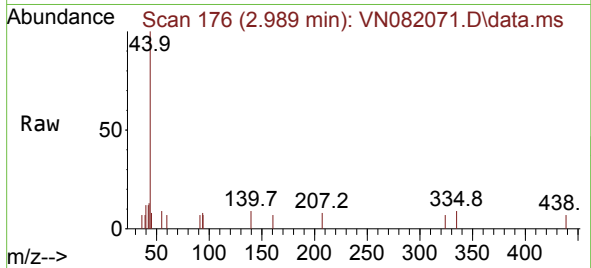




#5
Bromomethane
Concen: Below Cal
RT: 2.989 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

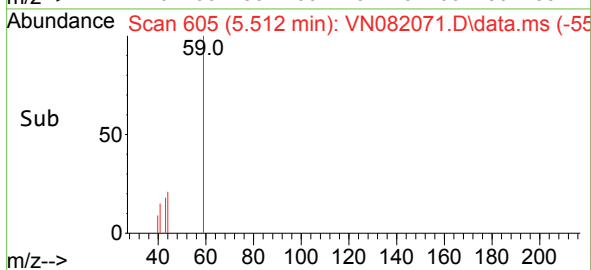
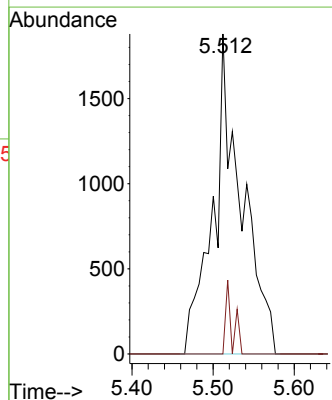
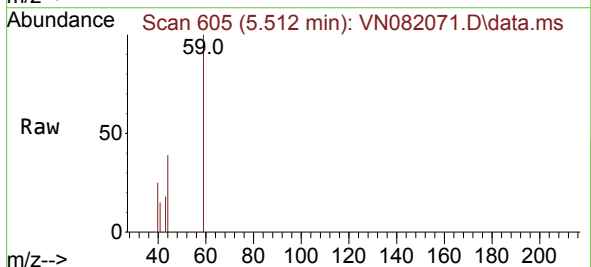
Instrument :
MSVOA_N
ClientSampleId :

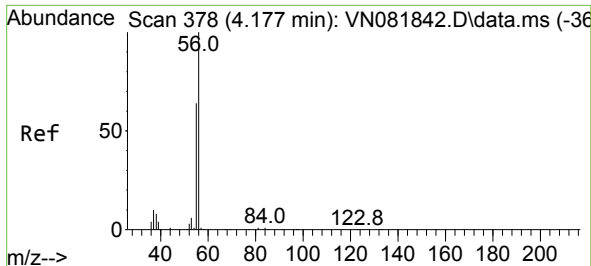
Tgt Ion: 94 Resp: 496
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 11.548 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Tgt Ion: 59 Resp: 4568
Ion Ratio Lower Upper
59 100
57 5.4 8.9 13.3#

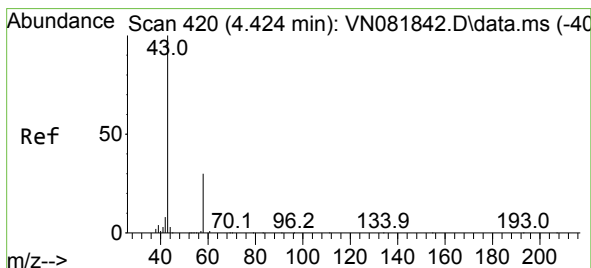
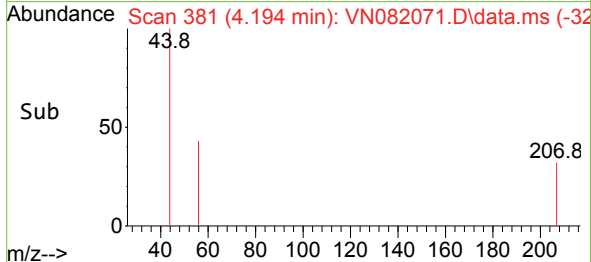
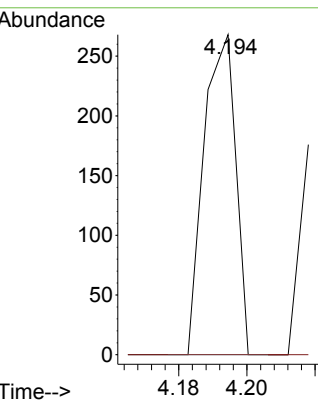
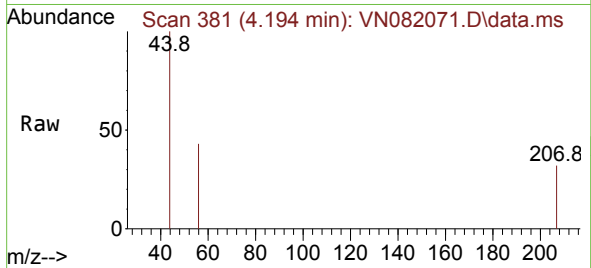




#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 381
Delta R.T. 0.017 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

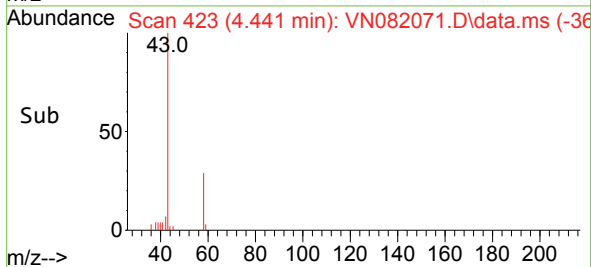
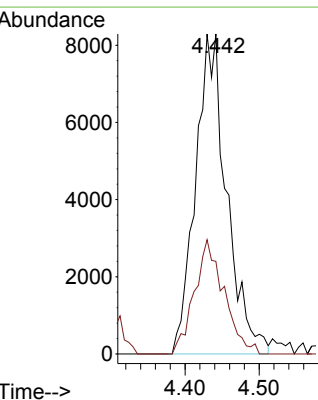
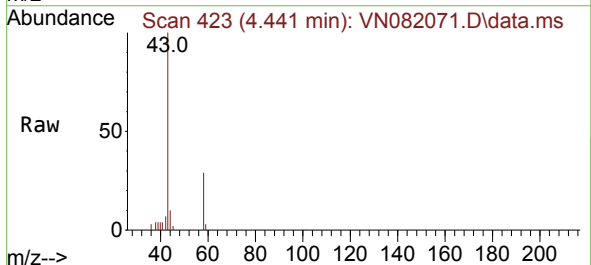
Instrument :
MSVOA_N
ClientSampleId :

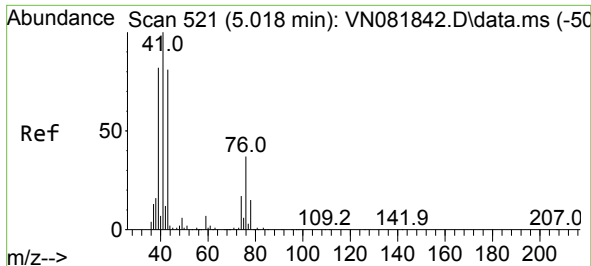
Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 32.876 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.017 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

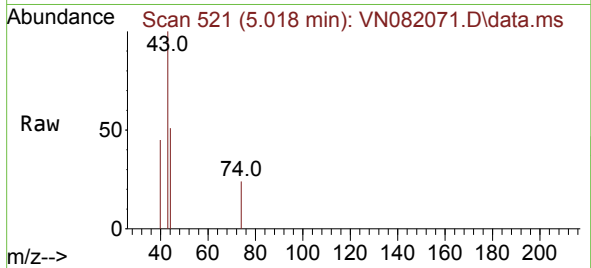
Tgt Ion: 43 Resp: 24210
Ion Ratio Lower Upper
43 100
58 29.0 25.2 37.8



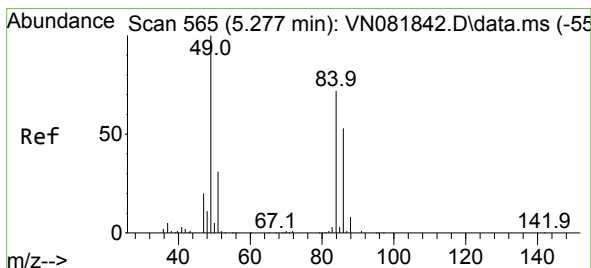
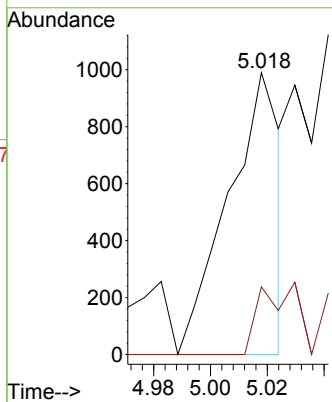
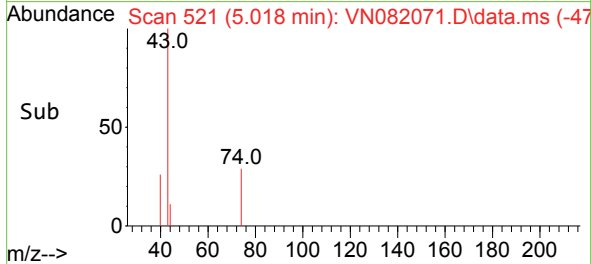


#18
Methyl Acetate
Concen: 0.569 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

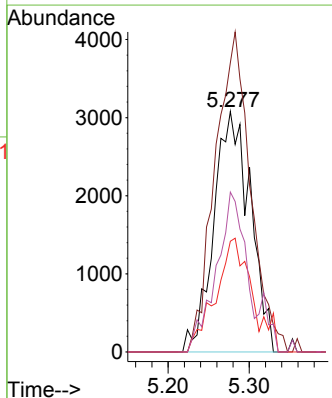
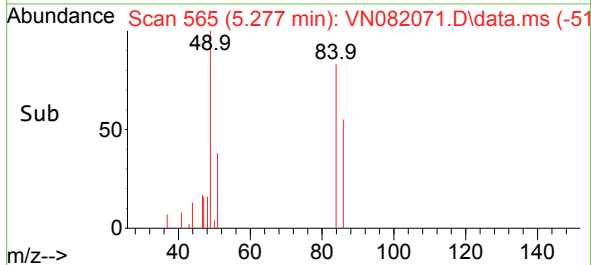
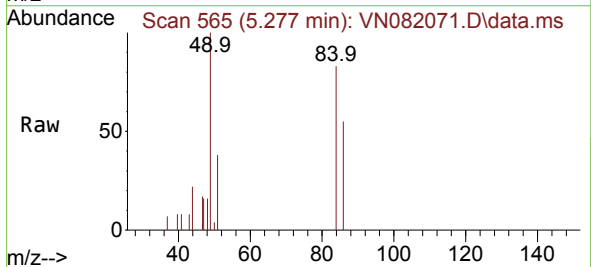


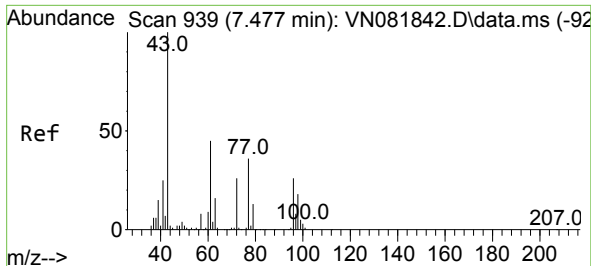
Tgt Ion: 43 Resp: 1255
Ion Ratio Lower Upper
43 100
74 18.2 22.2 33.2#



#20
Methylene Chloride
Concen: 5.174 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

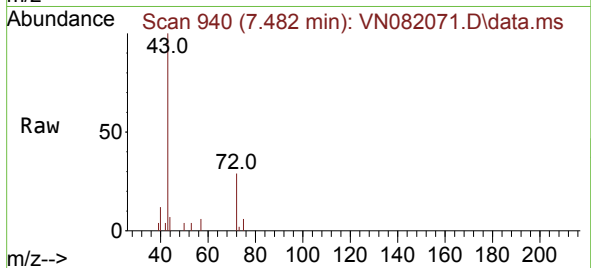
Tgt Ion: 84 Resp: 9649
Ion Ratio Lower Upper
84 100
49 120.3 84.9 127.3
51 46.0 27.0 40.6#
86 66.5 52.3 78.5



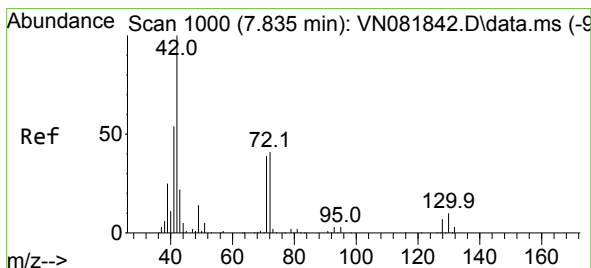
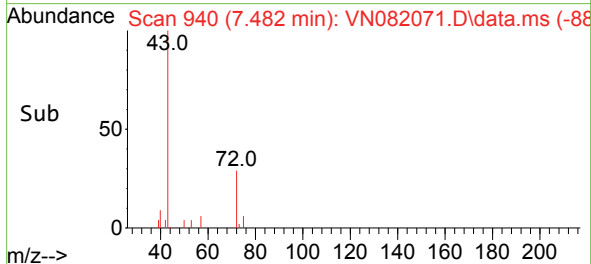
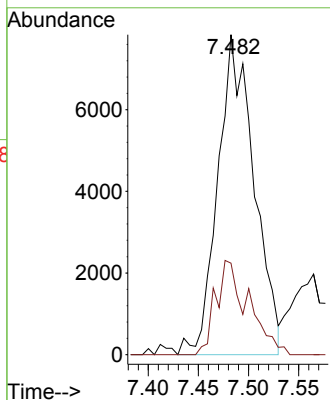


#25
2-Butanone
Concen: 15.923 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

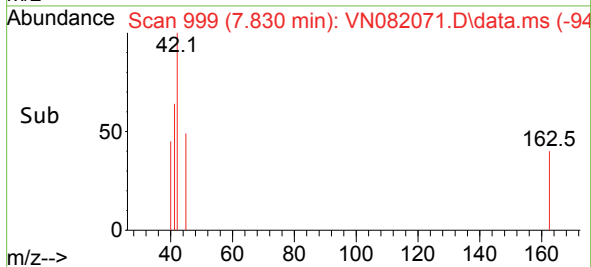
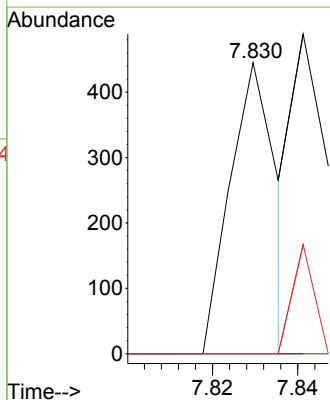
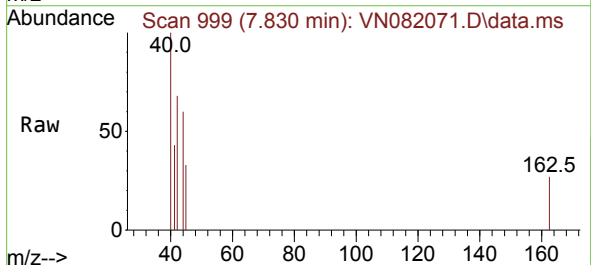


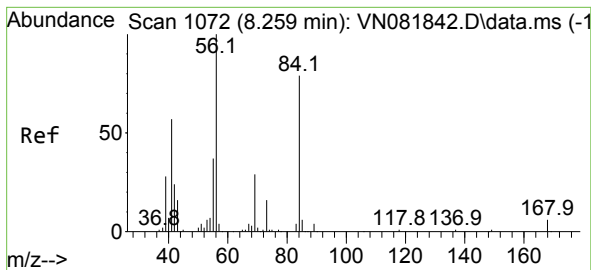
Tgt Ion: 43 Resp: 19666
Ion Ratio Lower Upper
43 100
72 28.6 25.3 37.9



#29
Tetrahydrofuran
Concen: 0.383 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

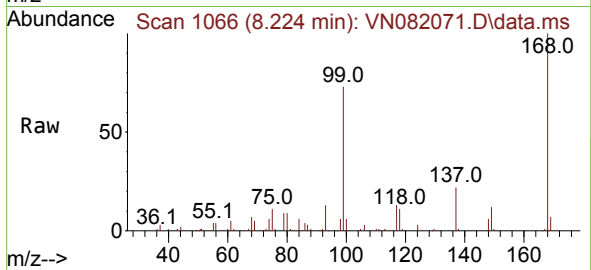
Tgt Ion: 42 Resp: 339
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



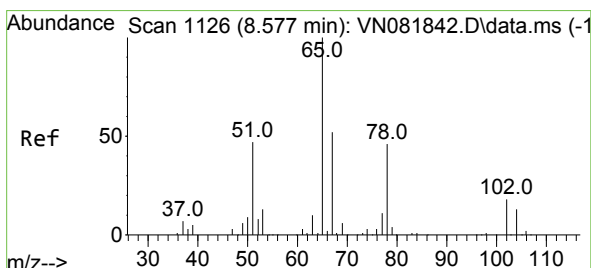
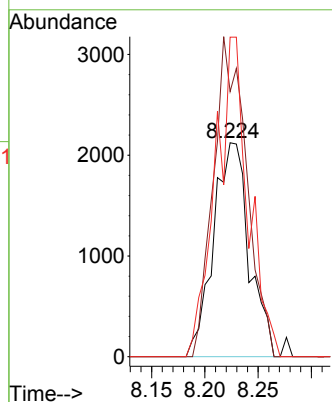
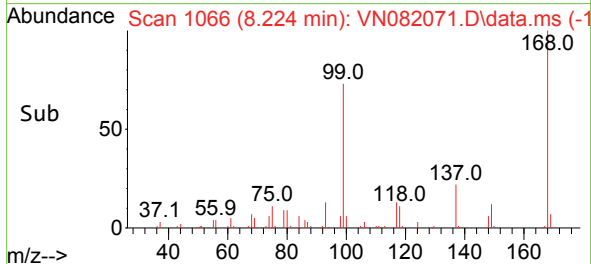


#31
Cyclohexane
Concen: 1.505 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

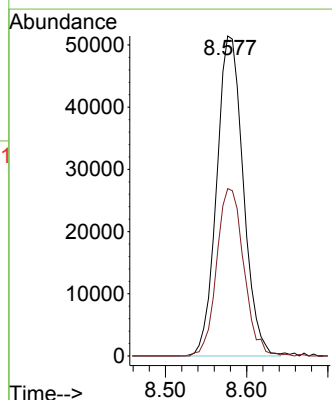
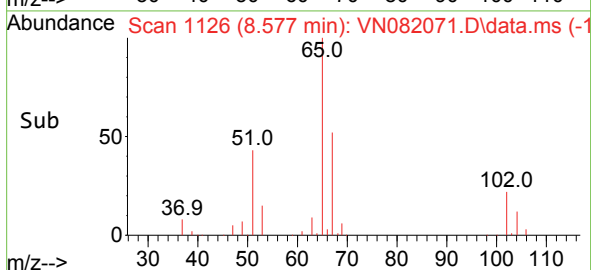
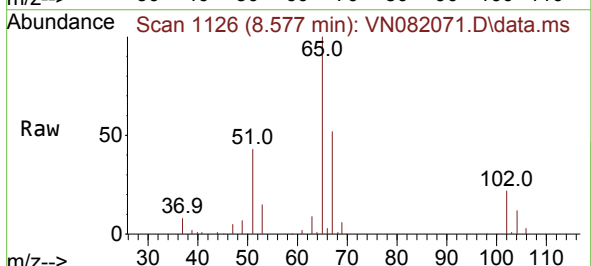


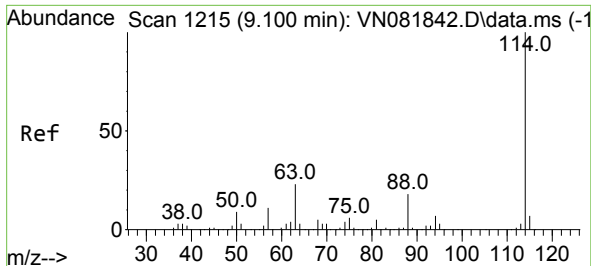
Tgt Ion: 56 Resp: 4934
Ion Ratio Lower Upper
56 100
69 124.0 24.4 36.6#
84 149.3 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 53.841 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Tgt Ion: 65 Resp: 117158
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.0

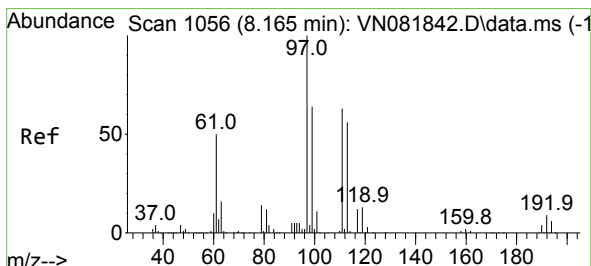
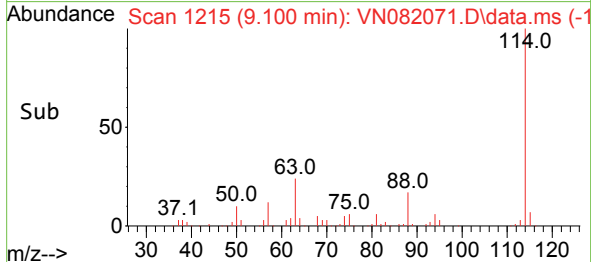
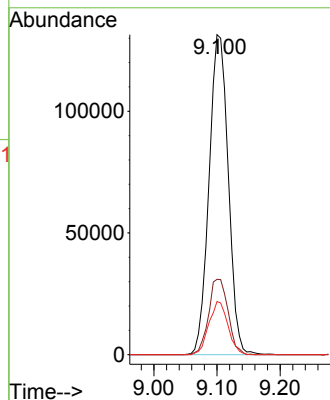
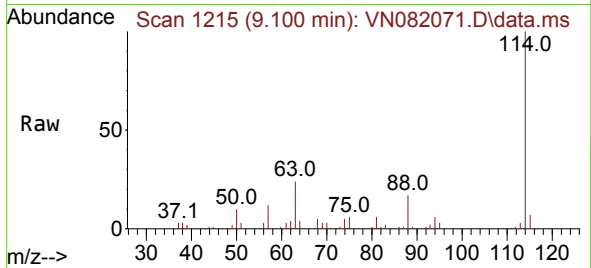




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

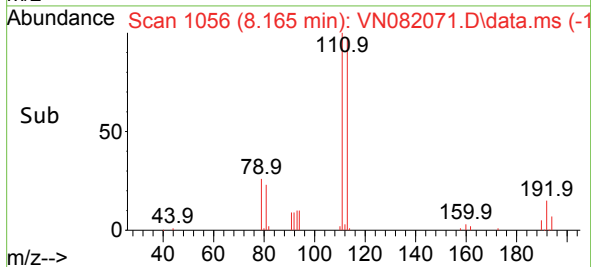
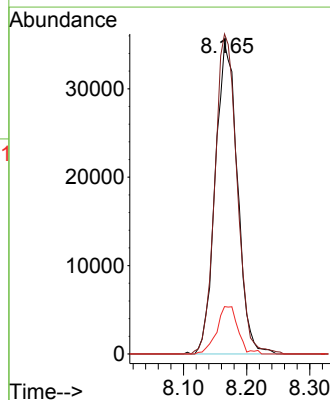
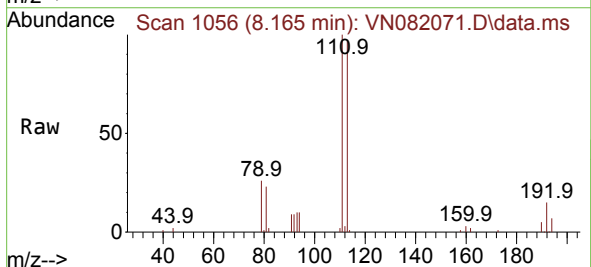
Instrument :
MSVOA_N
ClientSampleId :

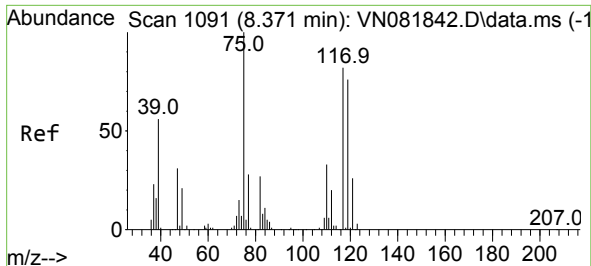
Tgt Ion:114 Resp: 278090
Ion Ratio Lower Upper
114 100
63 23.5 0.0 41.0
88 16.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.342 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

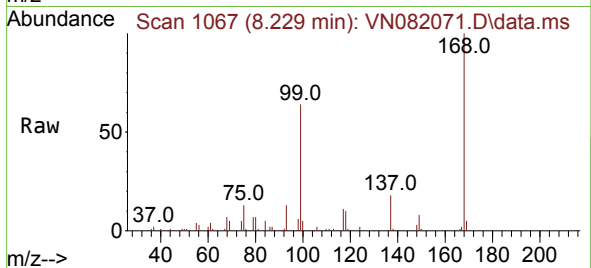
Tgt Ion:113 Resp: 85964
Ion Ratio Lower Upper
113 100
111 102.4 83.4 125.2
192 14.6 14.0 21.0



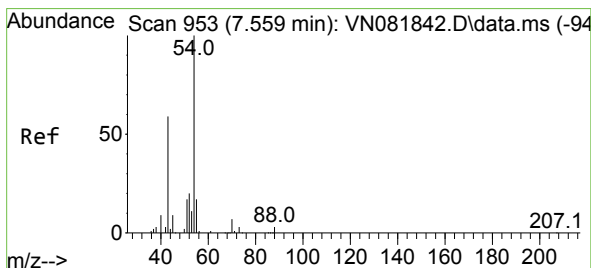
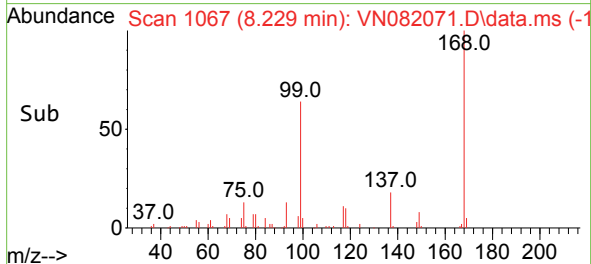
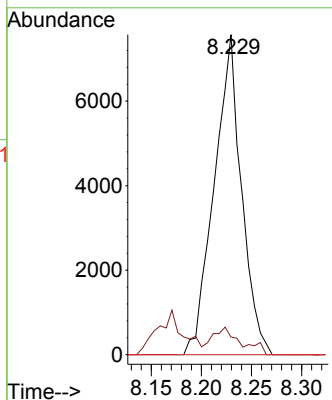


#36
1,1-Dichloropropene
Concen: 5.262 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

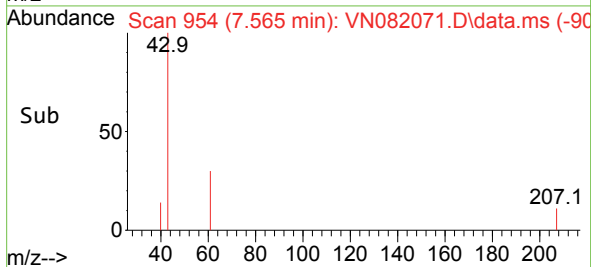
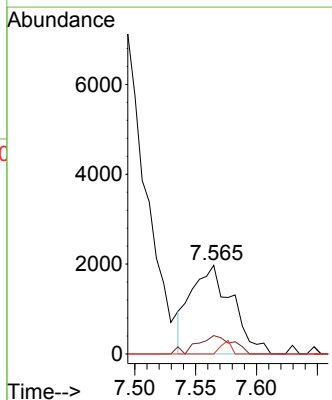
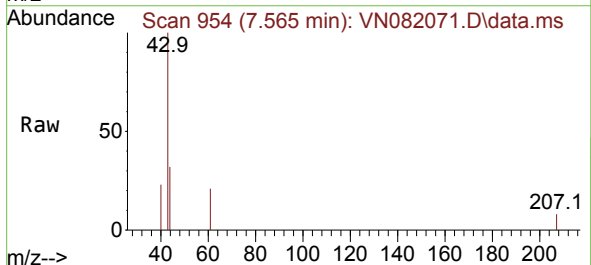


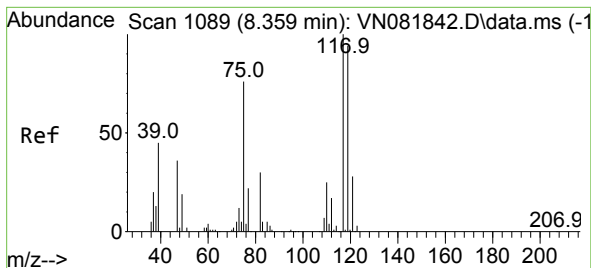
Tgt Ion: 75 Resp: 14334
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.573 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Tgt Ion: 43 Resp: 4632
Ion Ratio Lower Upper
43 100
61 18.0 11.3 16.9#
70 3.6 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 6.170 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

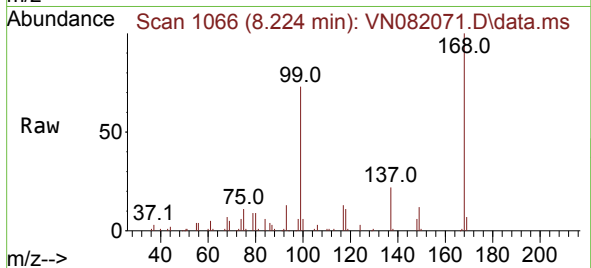
Lab File: VN082071.D

Acq: 10 May 2024 15:46

Instrument :

MSVOA_N

ClientSampleId :



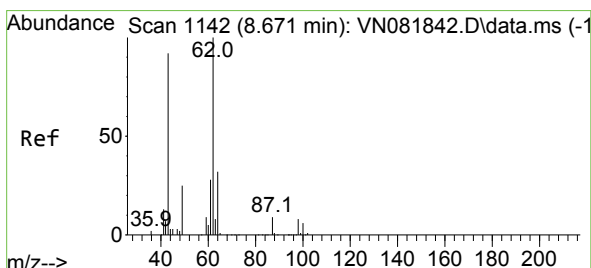
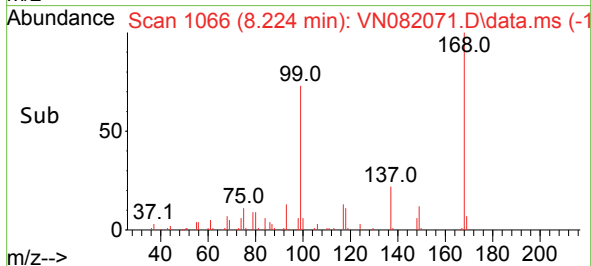
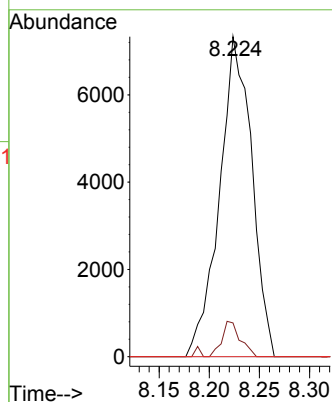
Tgt Ion:117 Resp: 16427

Ion Ratio Lower Upper

117 100

119 10.6 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.440 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082071.D

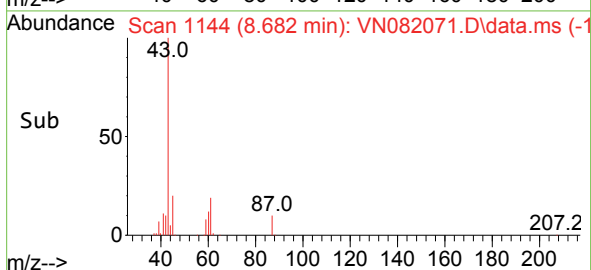
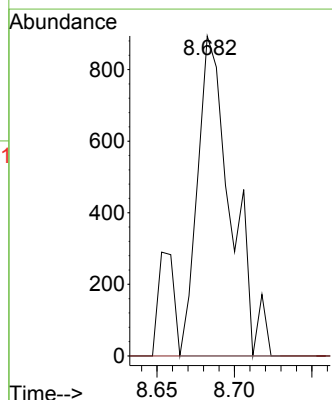
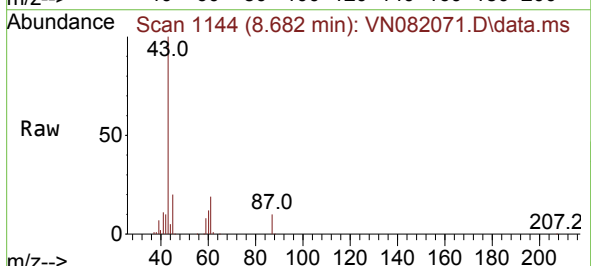
Acq: 10 May 2024 15:46

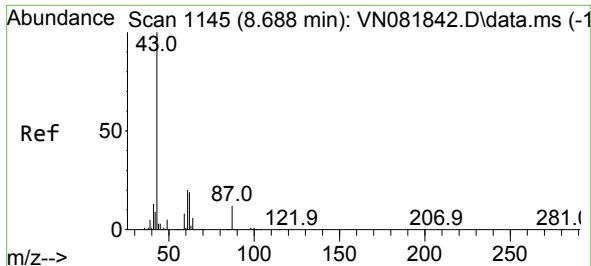
Tgt Ion: 62 Resp: 1337

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6





#43

Isopropyl Acetate

Concen: 49.224 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

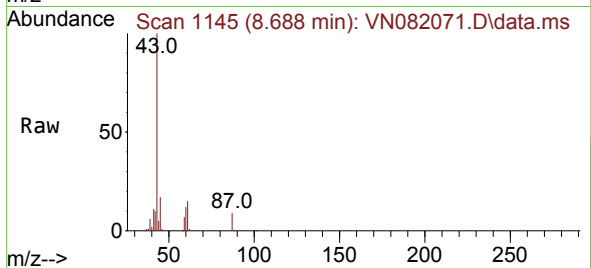
Lab File: VN082071.D

Acq: 10 May 2024 15:46

Instrument :

MSVOA_N

ClientSampleId :



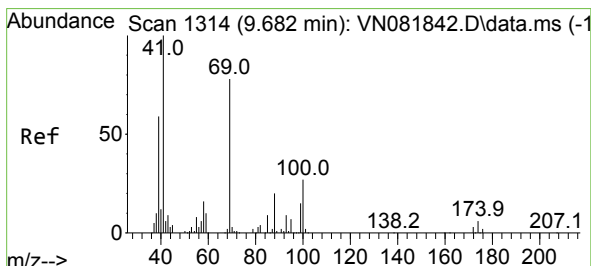
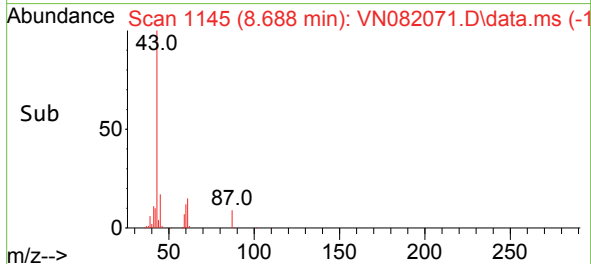
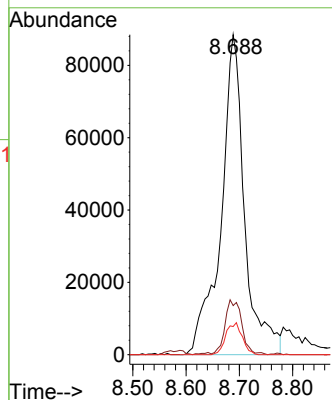
Tgt Ion: 43 Resp: 272588

Ion Ratio Lower Upper

43 100

61 12.4 22.8 34.2#

87 6.9 12.0 18.0#



#48

Methyl methacrylate

Concen: 2.414 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082071.D

Acq: 10 May 2024 15:46

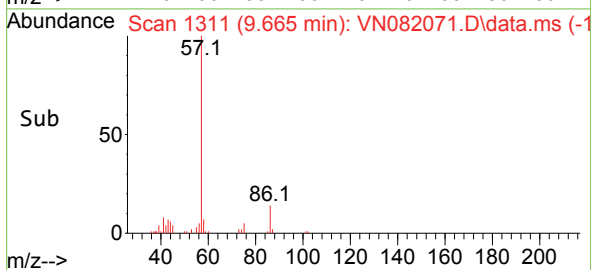
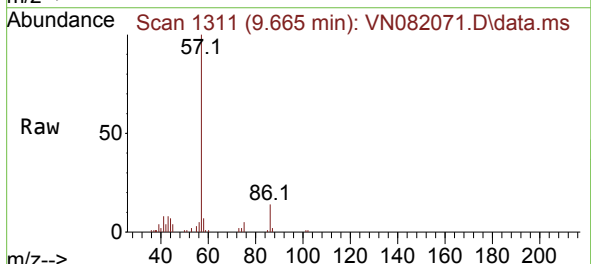
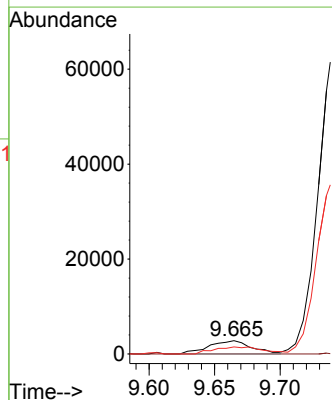
Tgt Ion: 41 Resp: 6383

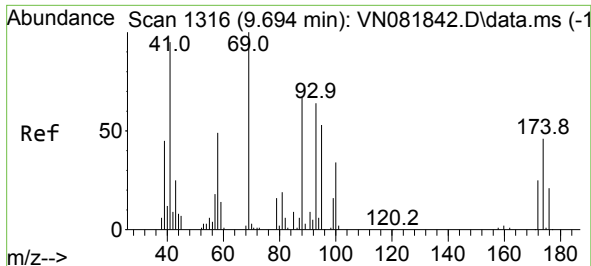
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 60.1 50.9 76.3





#49

1,4-Dioxane

Concen: 1.842 ug/l

RT: 9.659 min Scan# 11

Delta R.T. -0.035 min

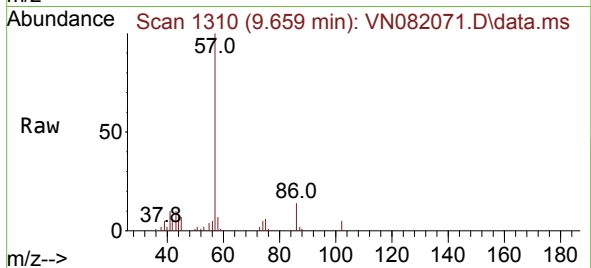
Lab File: VN082071.D

Acq: 10 May 2024 15:46

Instrument :

MSVOA_N

ClientSampleId :



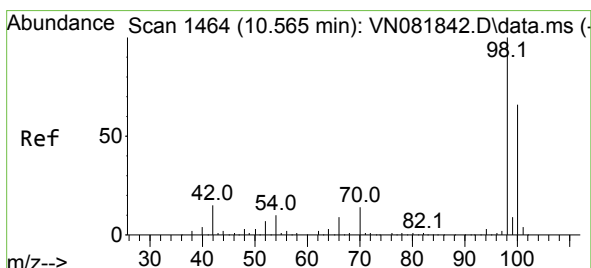
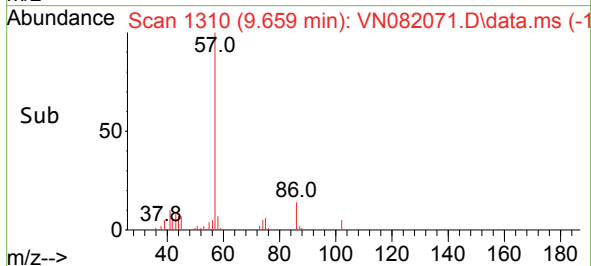
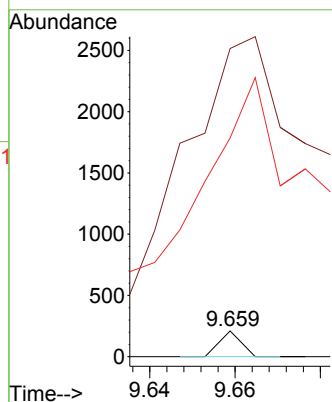
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 6520.3 50.6 76.0#



#50

Toluene-d8

Concen: 54.430 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN082071.D

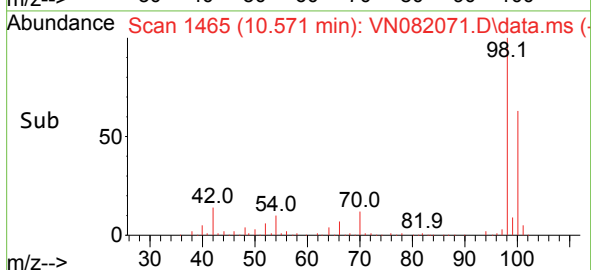
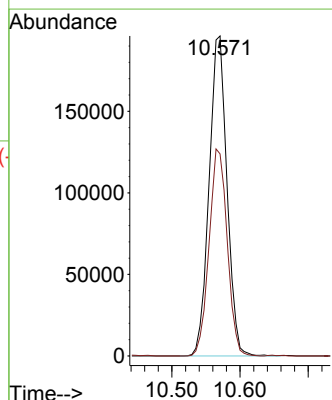
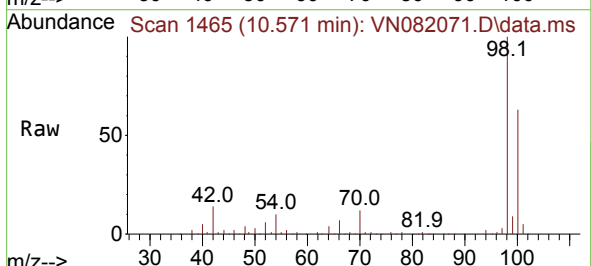
Acq: 10 May 2024 15:46

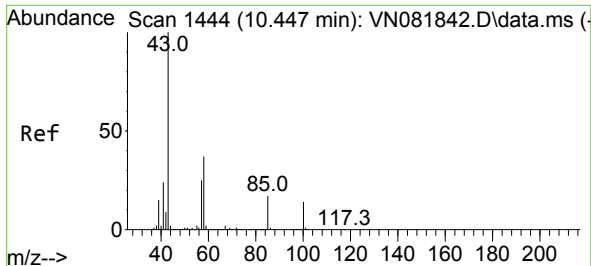
Tgt Ion: 98 Resp: 357921

Ion Ratio Lower Upper

98 100

100 65.6 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 36.222 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. -0.088 min

Lab File: VN082071.D

Acq: 10 May 2024 15:46

Instrument :

MSVOA_N

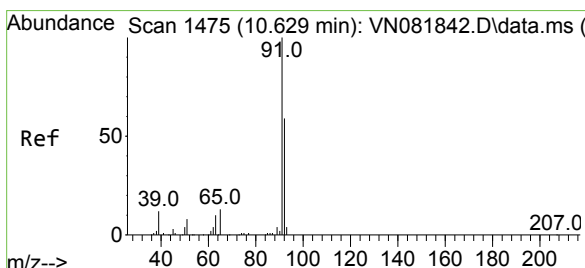
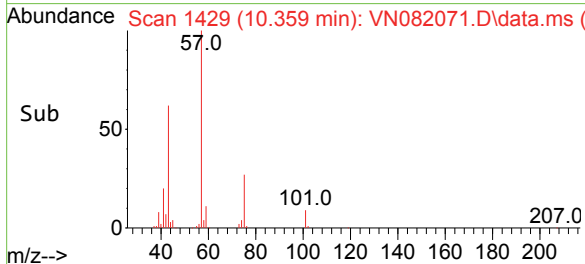
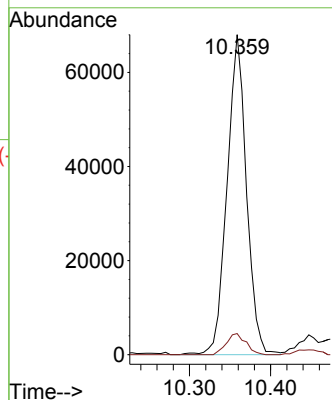
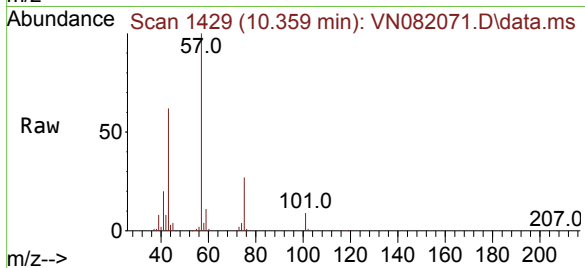
ClientSampleId :

Tgt Ion: 43 Resp: 112919

Ion Ratio Lower Upper

43 100

58 6.6 33.2 49.8#



#52

Toluene

Concen: 0.404 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN082071.D

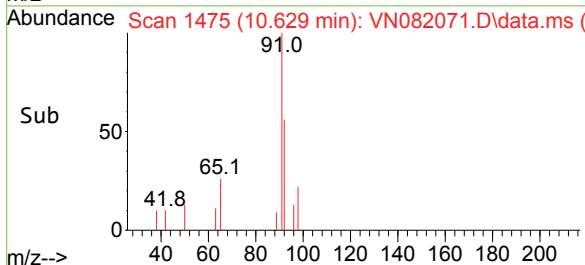
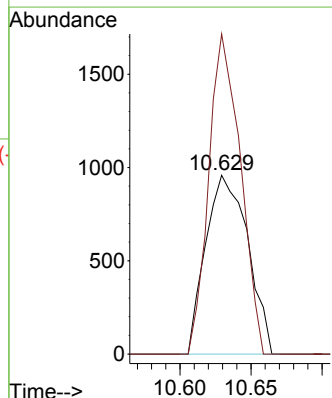
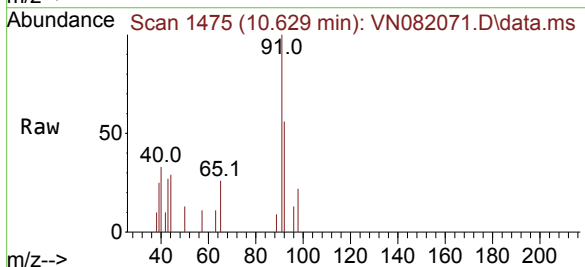
Acq: 10 May 2024 15:46

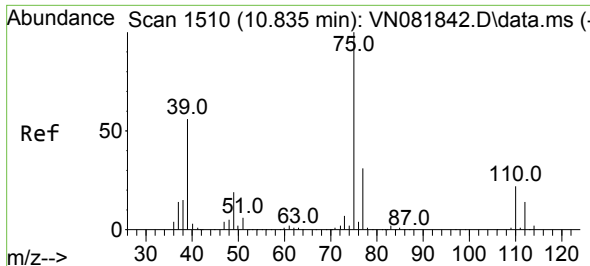
Tgt Ion: 92 Resp: 1980

Ion Ratio Lower Upper

92 100

91 134.6 136.7 205.1#

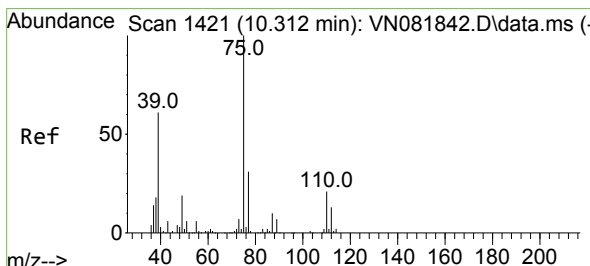
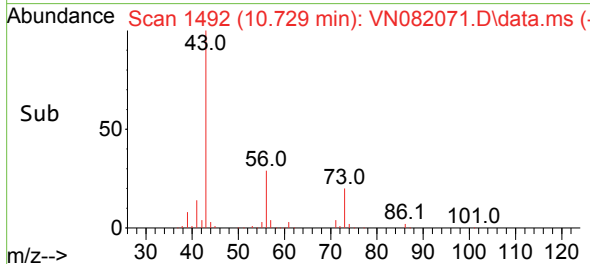
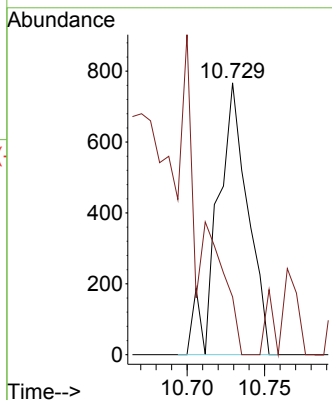
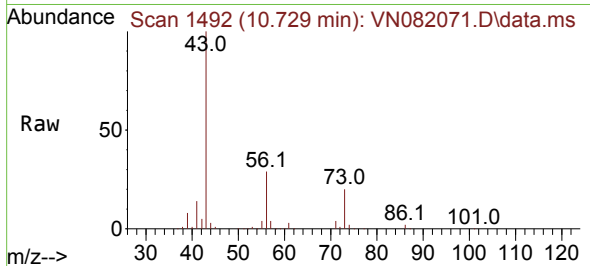




#53
 t-1,3-Dichloropropene
 Concen: 0.308 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082071.D
 Acq: 10 May 2024 15:46

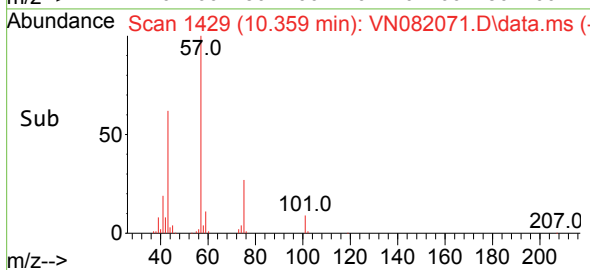
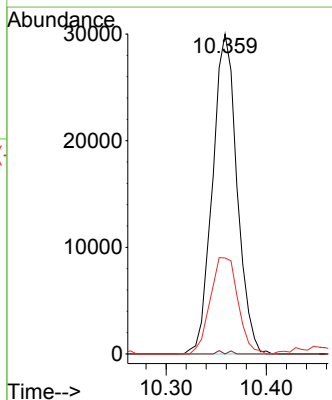
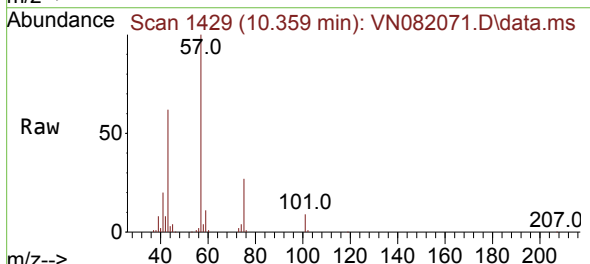
Instrument :
 MSVOA_N
 ClientSampleId :

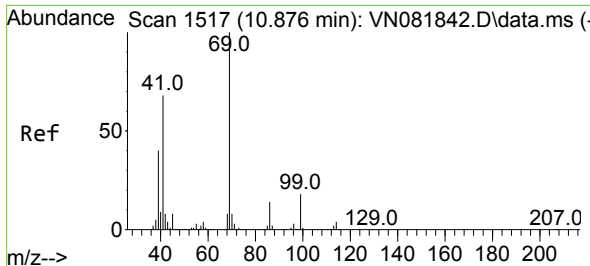
Tgt Ion: 75 Resp: 1044
 Ion Ratio Lower Upper
 75 100
 77 21.3 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.517 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082071.D
 Acq: 10 May 2024 15:46

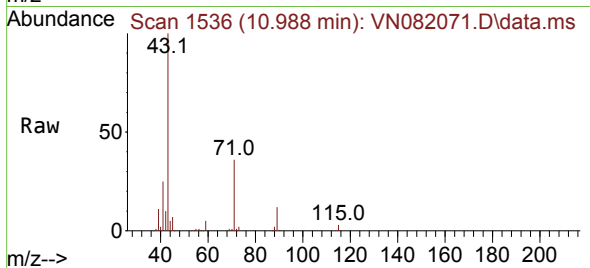
Tgt Ion: 75 Resp: 50784
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 30.0 34.8 52.2#



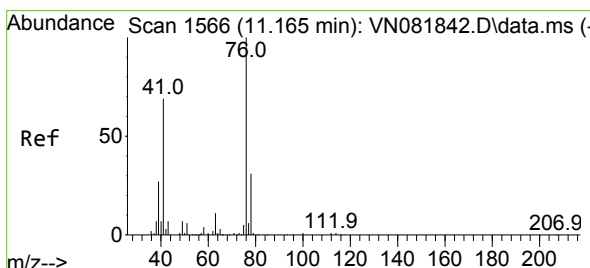
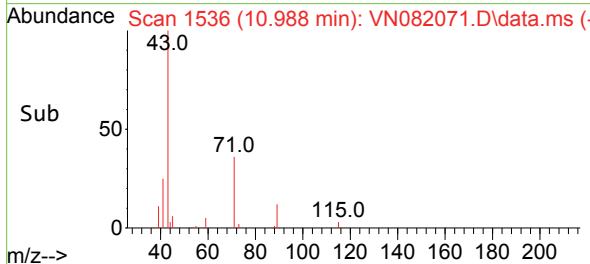
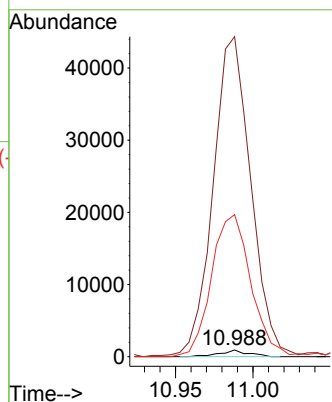


#56
Ethyl methacrylate
Concen: 0.317 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

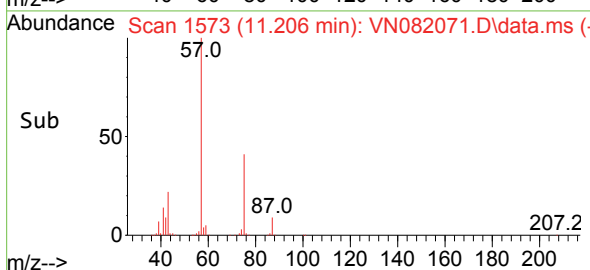
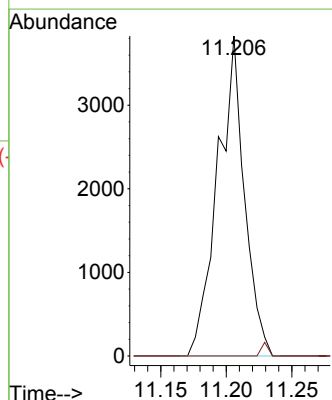
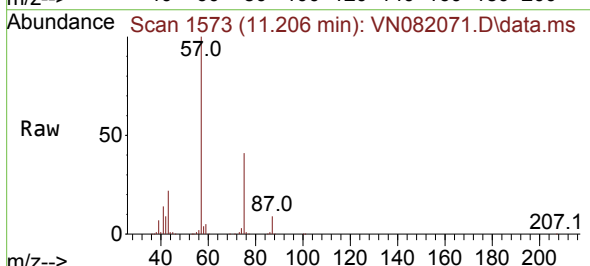


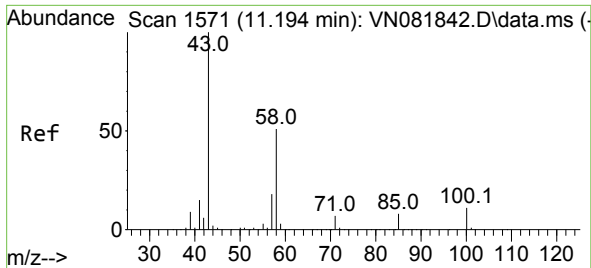
Tgt Ion: 69 Resp: 1161
Ion Ratio Lower Upper
69 100
41 6489.1 46.6 70.0#
39 3005.9 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.589 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Tgt Ion: 76 Resp: 5439
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

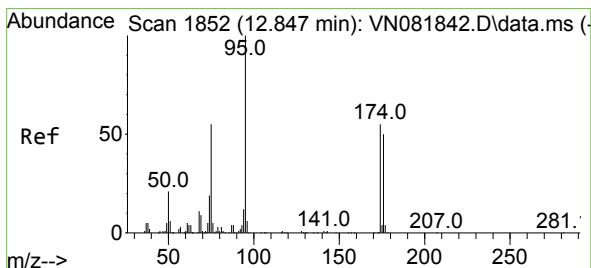
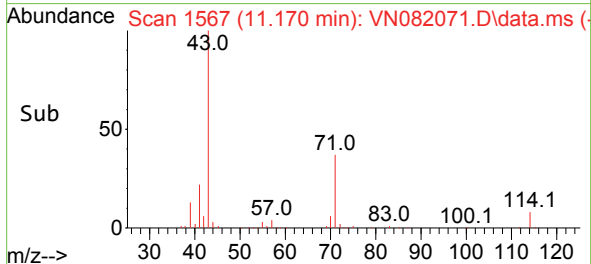
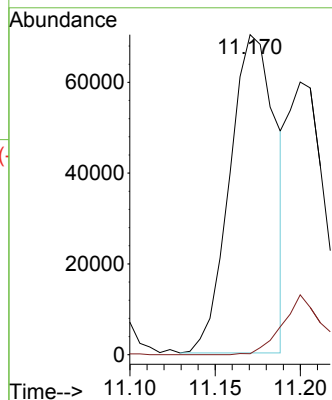
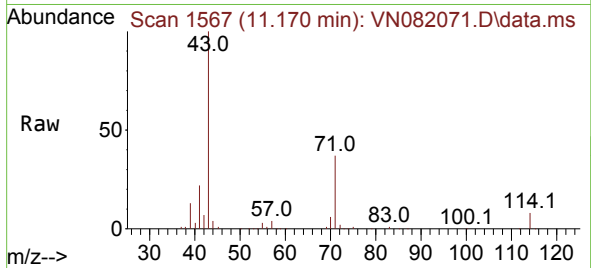




#59
2-Hexanone
Concen: 56.842 ug/l
RT: 11.170 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

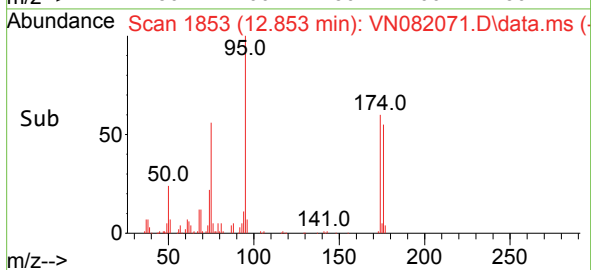
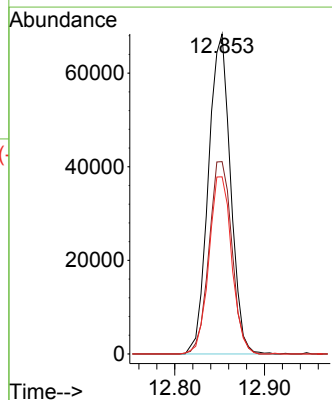
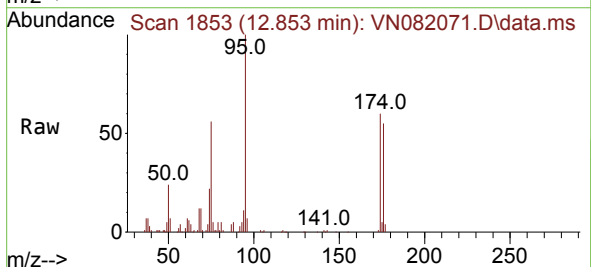
Instrument :
MSVOA_N
ClientSampleId :

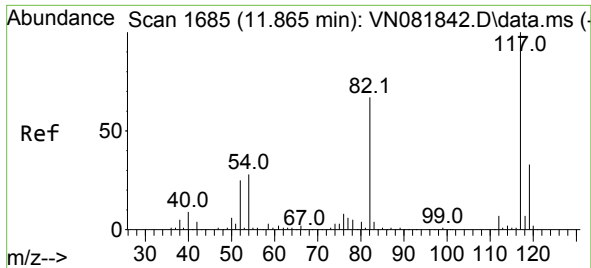
Tgt Ion: 43 Resp: 131874
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 44.941 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

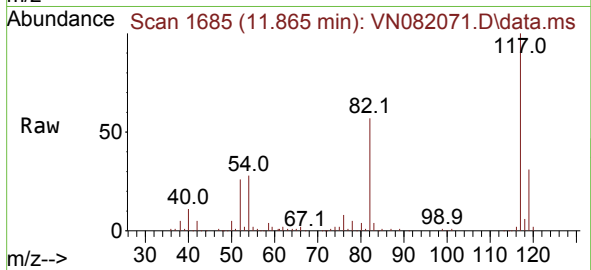
Tgt Ion: 95 Resp: 116824
Ion Ratio Lower Upper
95 100
174 62.5 0.0 160.6
176 57.1 0.0 152.8



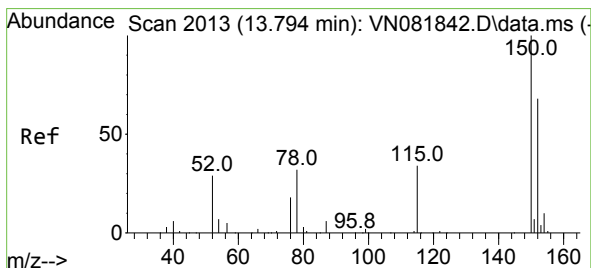
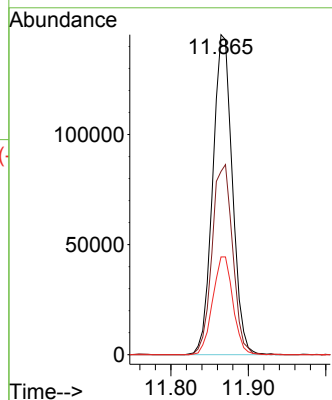
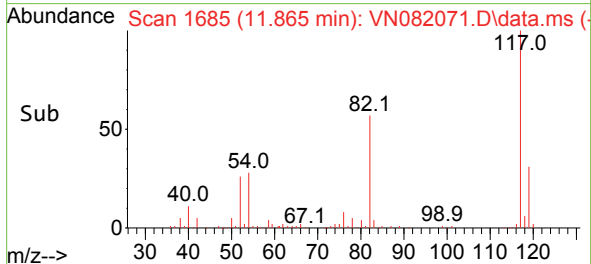


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

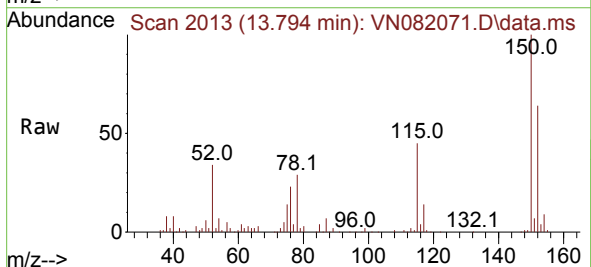
Instrument :
MSVOA_N
ClientSampleId :



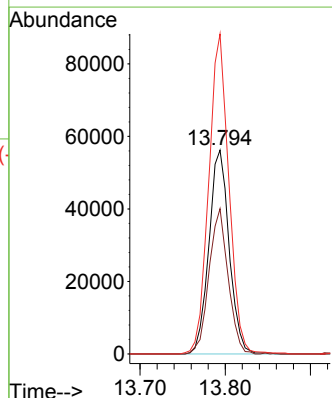
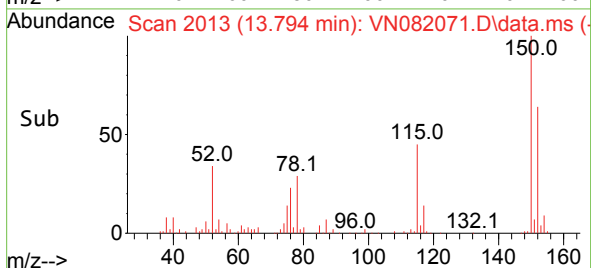
Tgt Ion:117 Resp: 256172
Ion Ratio Lower Upper
117 100
82 57.2 44.6 66.8
119 30.6 25.9 38.9

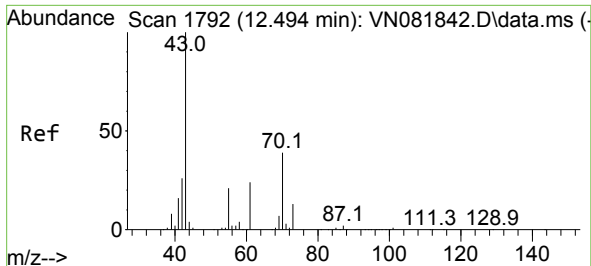


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46



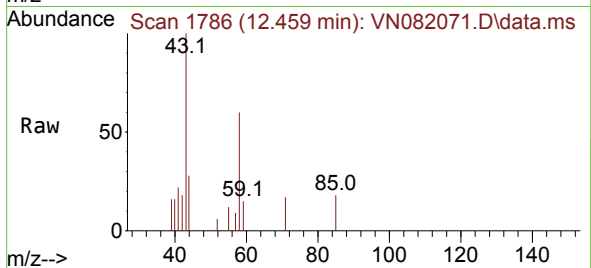
Tgt Ion:152 Resp: 92679
Ion Ratio Lower Upper
152 100
115 67.4 30.4 91.3
150 156.2 0.0 353.2



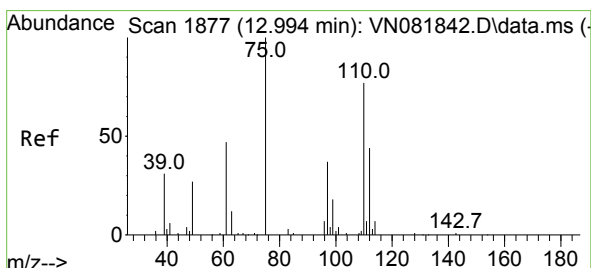
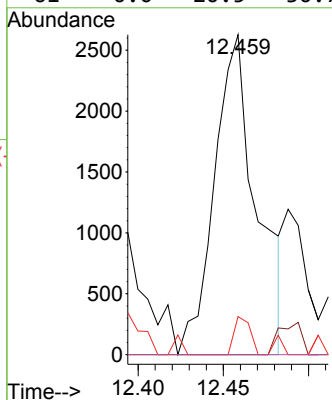
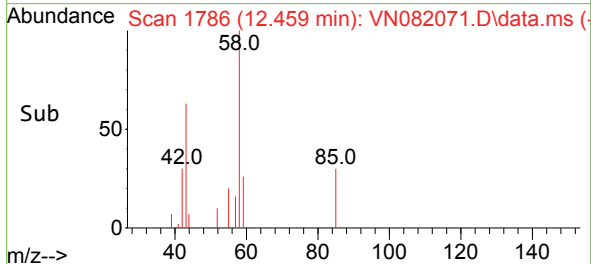


#74
N-amy1 acetate
Concen: 0.982 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

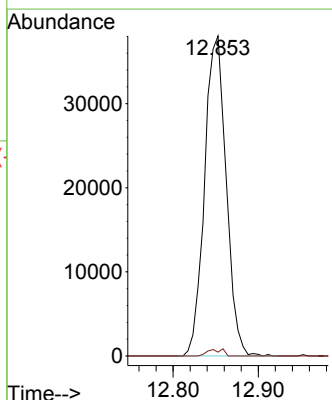
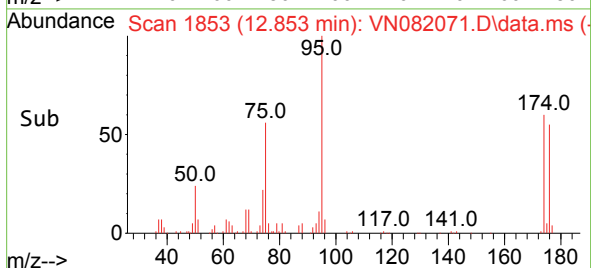
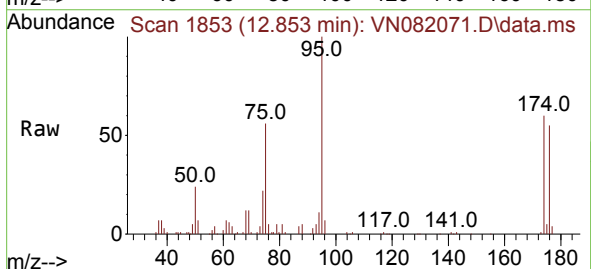


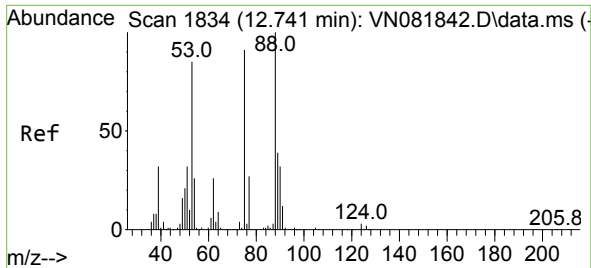
Tgt Ion: 43	Resp: 4504
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	4.5 21.3 31.9#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 27.884 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082071.D
Acq: 10 May 2024 15:46

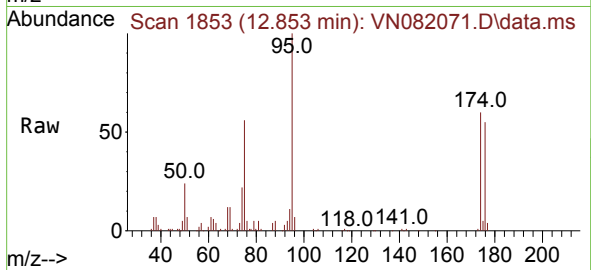
Tgt Ion: 75	Resp: 67004
Ion Ratio	Lower Upper
75	100
77	1.5 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.138 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082071.D
 Acq: 10 May 2024 15:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 67004
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

