

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060524\
 Data File : VN082473.D
 Acq On : 05 Jun 2024 16:14
 Operator : JC\MD
 Sample : P2715-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 06 00:58:42 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

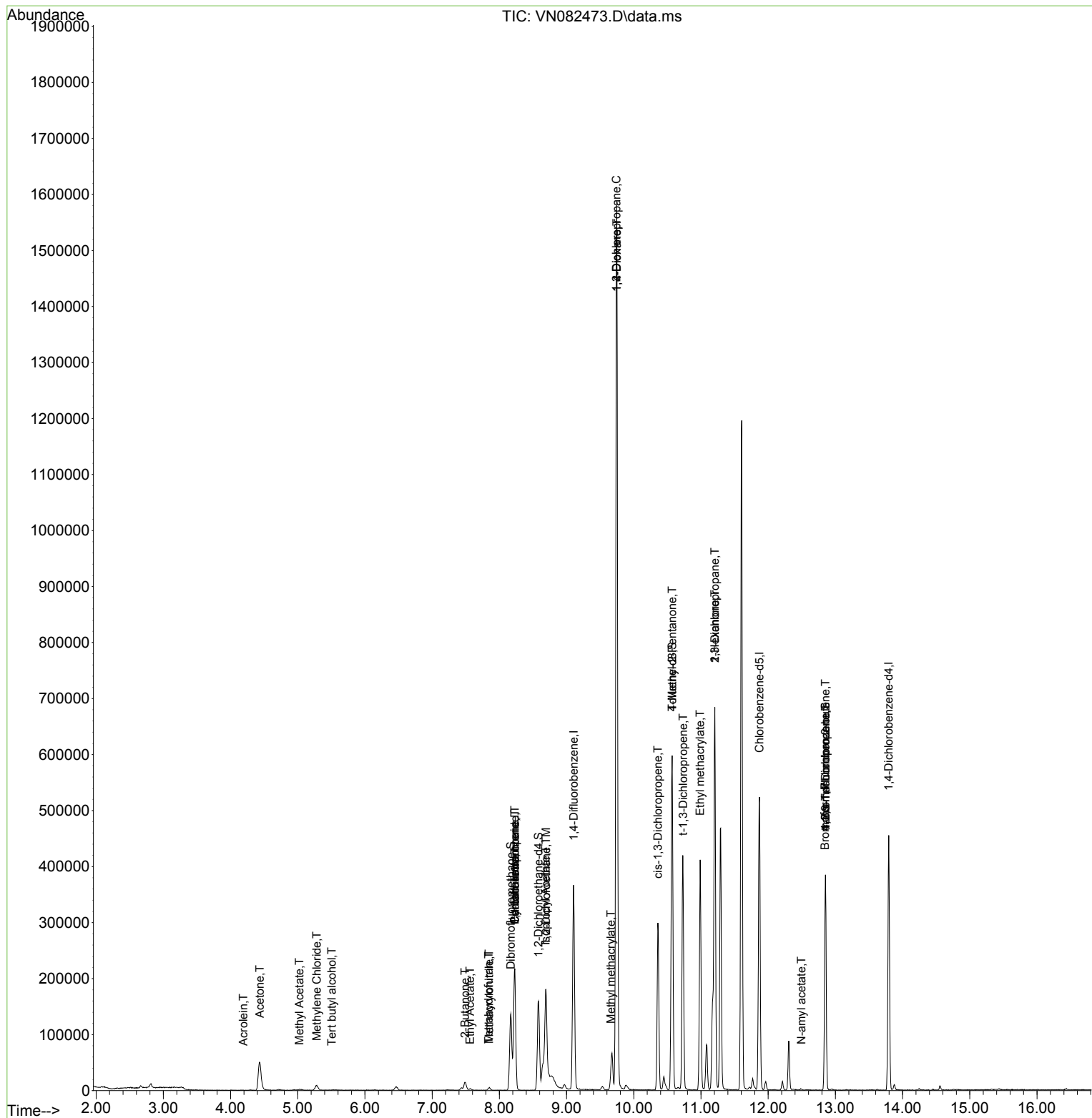
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

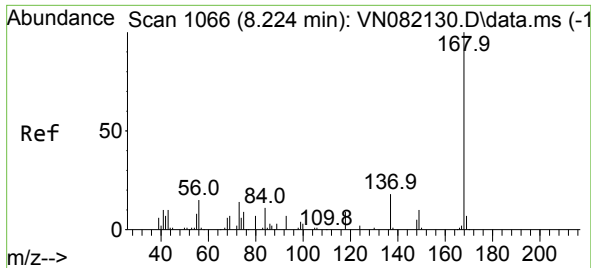
Internal Standards						
1) Pentafluorobenzene	8.230	168	150204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	278701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	133357	56.227	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.460%			
35) Dibromofluoromethane	8.171	113	97388	56.264	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.520%			
50) Toluene-d8	10.571	98	374436	56.424	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.840%			
62) 4-Bromofluorobenzene	12.853	95	119463	50.436	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 100.880%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.506	59	417	1.095	ug/l #	71
13) Acrolein	4.189	56	115	0.408	ug/l #	2
16) Acetone	4.436	43	102056	104.895	ug/l	93
18) Methyl Acetate	5.024	43	2369	0.978	ug/l #	72
20) Methylene Chloride	5.283	84	6507	3.315	ug/l #	91
25) 2-Butanone	7.488	43	25065	16.992	ug/l #	88
29) Tetrahydrofuran	7.841	42	3181	3.359	ug/l #	81
31) Cyclohexane	8.230	56	4221	1.114	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	13387	4.611	ug/l #	48
37) Ethyl Acetate	7.565	43	4758	1.465	ug/l #	82
38) Carbon Tetrachloride	8.230	117	16167	5.494	ug/l #	17
41) Methacrylonitrile	7.847	41	1363	0.713	ug/l #	33
42) 1,2-Dichloroethane	8.694	62	1269	0.381	ug/l #	73
43) Isopropyl Acetate	8.688	43	262620	45.620	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1876	0.840	ug/l #	45
48) Methyl methacrylate	9.659	41	5142	1.875	ug/l #	8
49) 1,4-Dioxane	9.747	88	57	1.483	ug/l #	1
51) 4-Methyl-2-Pentanone	10.571	43	9235	2.824	ug/l	95
53) t-1,3-Dichloropropene	10.735	75	933	0.291	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	46697	13.779	ug/l #	73
56) Ethyl methacrylate	10.988	69	1793	0.559	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6219	1.762	ug/l #	42
59) 2-Hexanone	11.206	43	86019	35.918	ug/l #	52
71) Bromoform	12.847	173	703	1.131	ug/l #	28
74) N-amyl acetate	12.494	43	1260	0.261	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	69806	30.021	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	69806	70.219	ug/l #	12

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

Instrument :
MSVOA_N
ClientSampleId :

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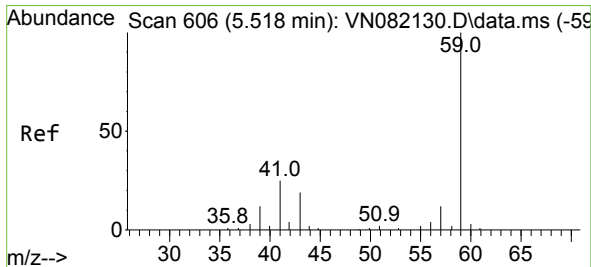
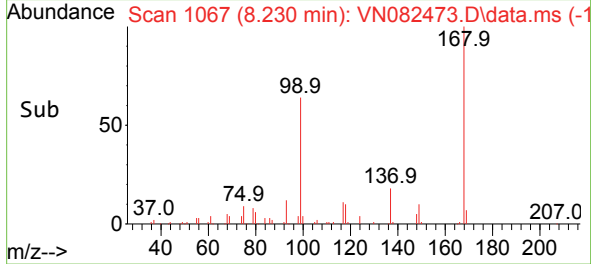
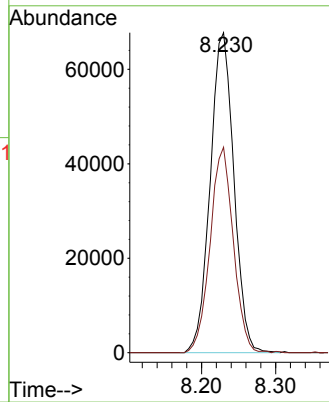
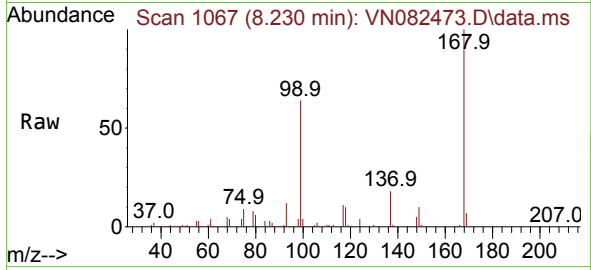




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

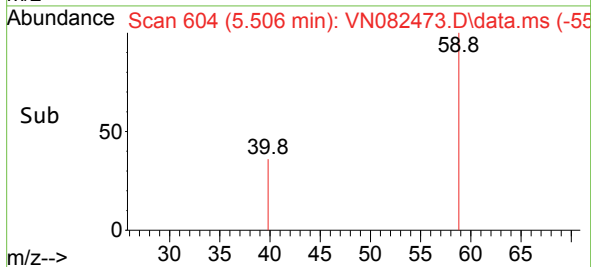
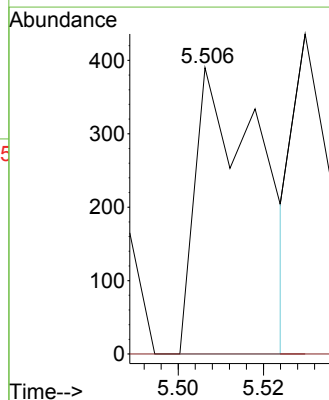
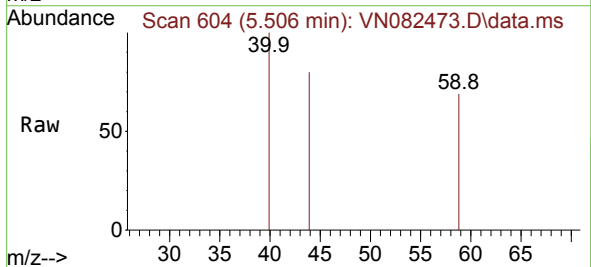
Instrument :
MSVOA_N
ClientSampleId :

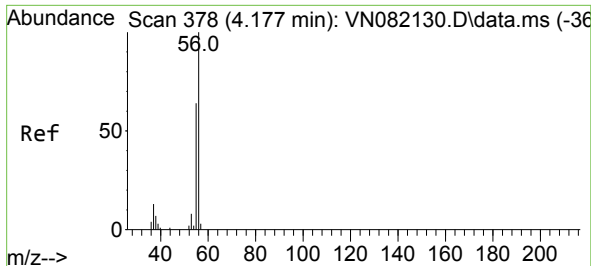
Tgt Ion:168 Resp: 150204
Ion Ratio Lower Upper
168 100
99 64.2 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.095 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#





#13

Acrolein

Concen: 0.408 ug/l

RT: 4.189 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN082473.D

Acq: 05 Jun 2024 16:14

Instrument :

MSVOA_N

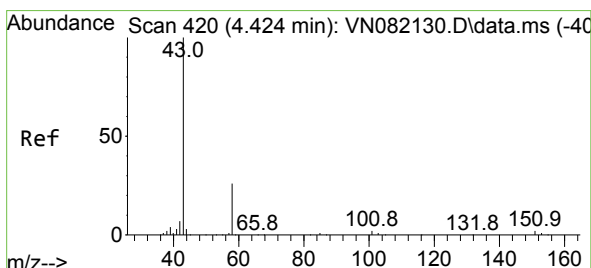
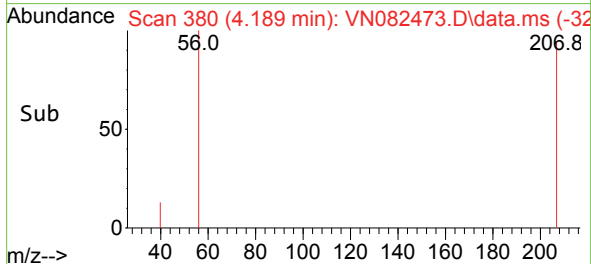
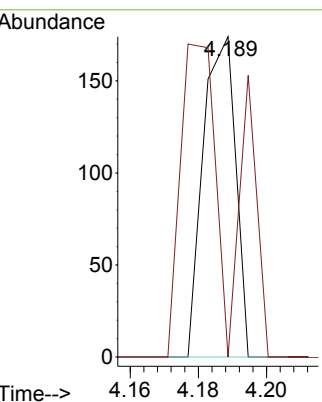
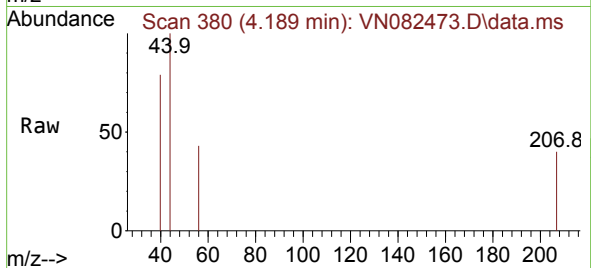
ClientSampleId :

Tgt Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 150.4 55.8 83.8#



#16

Acetone

Concen: 104.895 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN082473.D

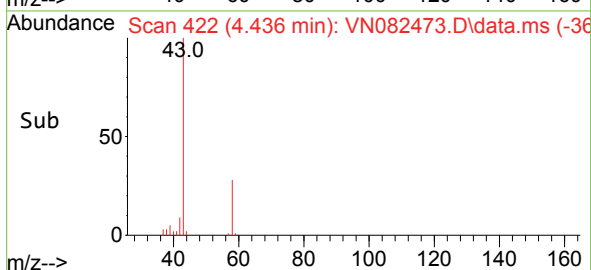
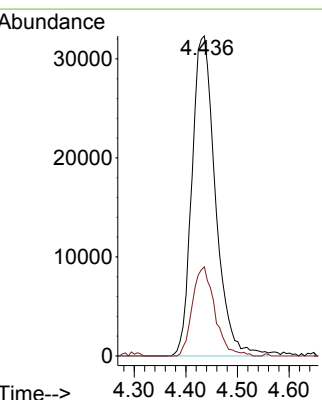
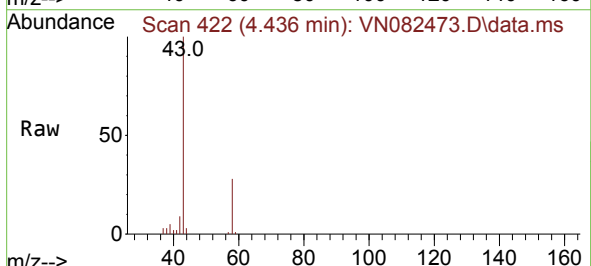
Acq: 05 Jun 2024 16:14

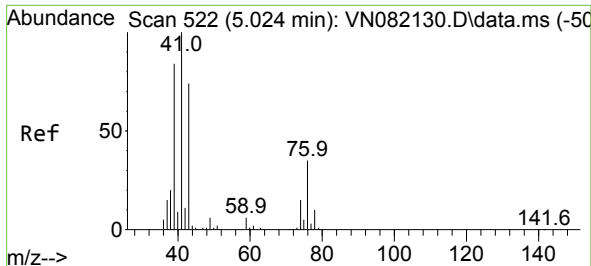
Tgt Ion: 43 Resp: 102056

Ion Ratio Lower Upper

43 100

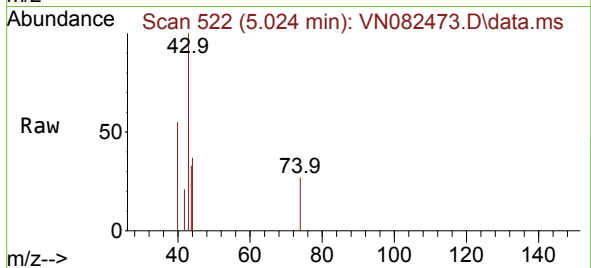
58 27.8 25.2 37.8



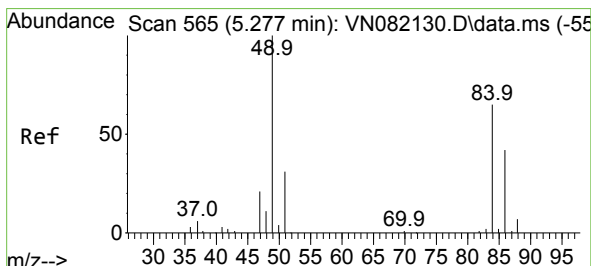
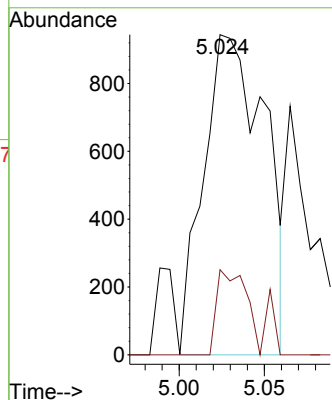
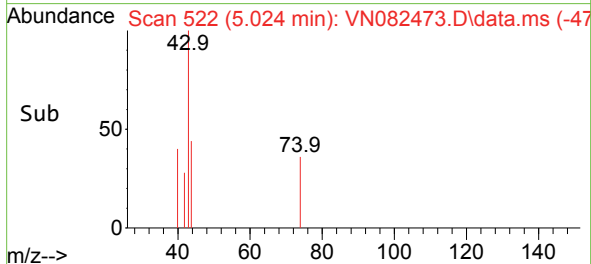


#18
Methyl Acetate
Concen: 0.978 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :

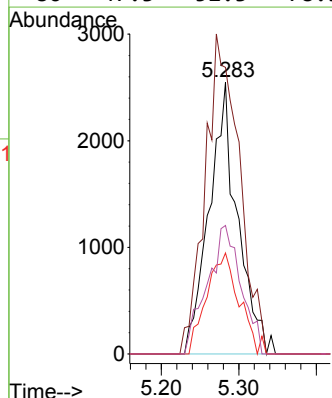
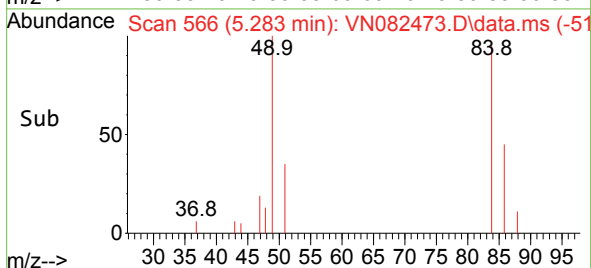
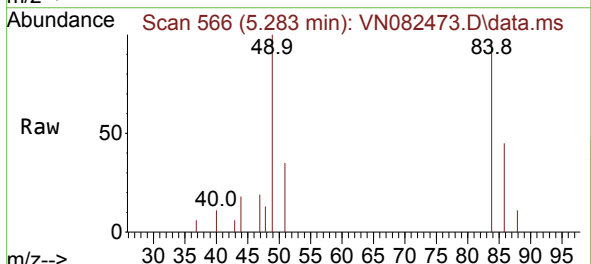


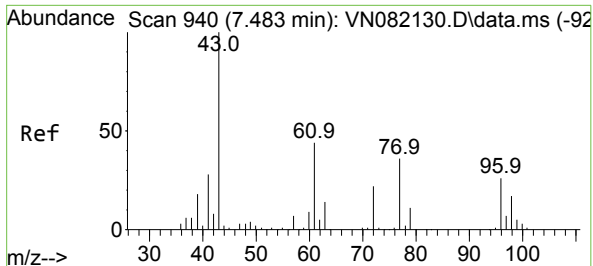
Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
74 12.8 22.2 33.2#



#20
Methylene Chloride
Concen: 3.315 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

Tgt Ion: 84 Resp: 6507
Ion Ratio Lower Upper
84 100
49 105.5 84.9 127.3
51 37.2 27.0 40.6
86 47.3 52.3 78.5#





#25

2-Butanone

Concen: 16.992 ug/l

RT: 7.488 min Scan# 94

Delta R.T. 0.006 min

Lab File: VN082473.D

Acq: 05 Jun 2024 16:14

Instrument :

MSVOA_N

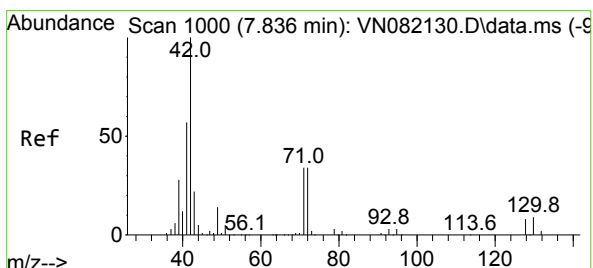
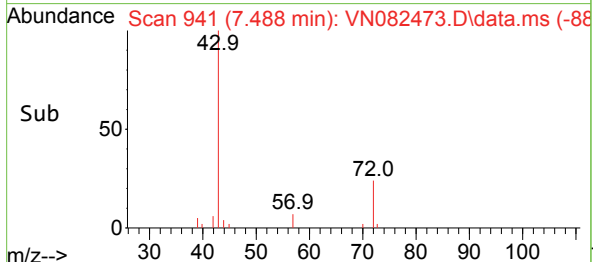
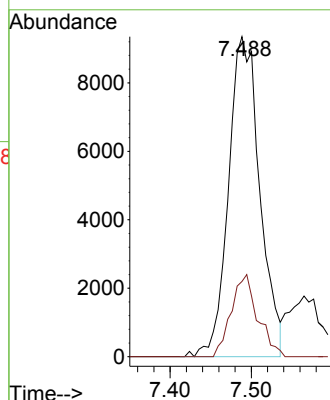
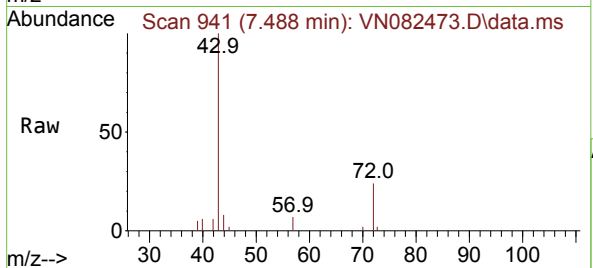
ClientSampleId :

Tgt Ion: 43 Resp: 25065

Ion Ratio Lower Upper

43 100

72 25.2 25.3 37.9#



#29

Tetrahydrofuran

Concen: 3.359 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.005 min

Lab File: VN082473.D

Acq: 05 Jun 2024 16:14

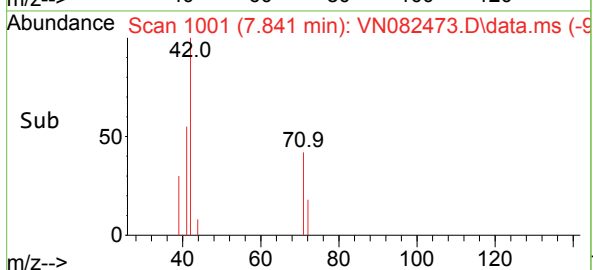
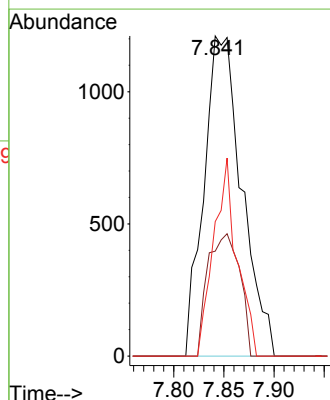
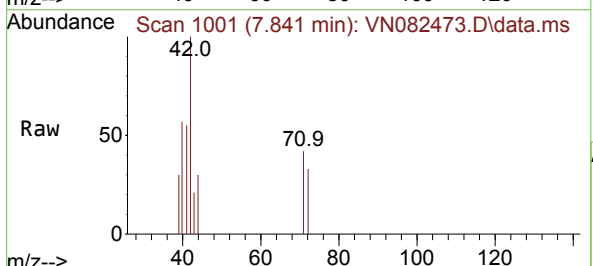
Tgt Ion: 42 Resp: 3181

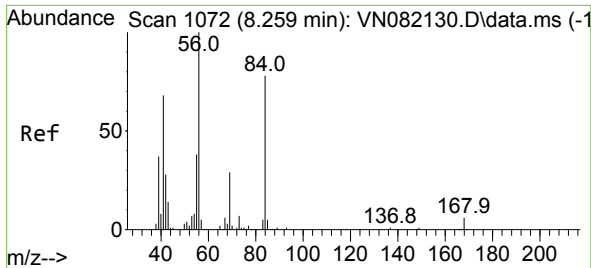
Ion Ratio Lower Upper

42 100

72 32.2 39.3 58.9#

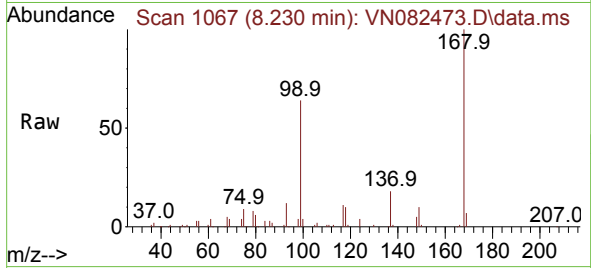
71 38.0 37.4 56.0



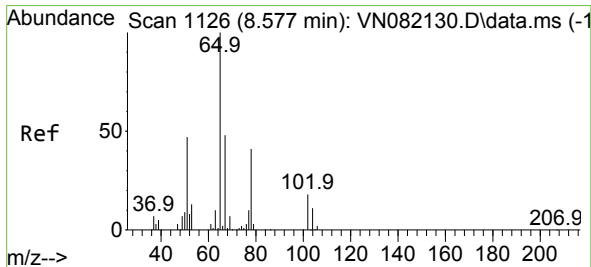
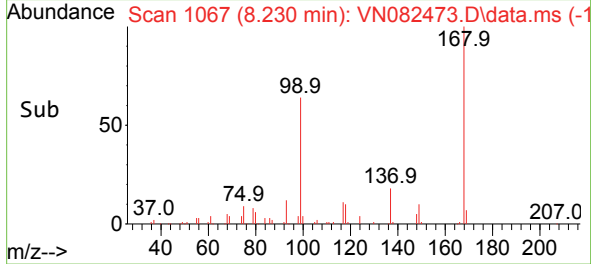
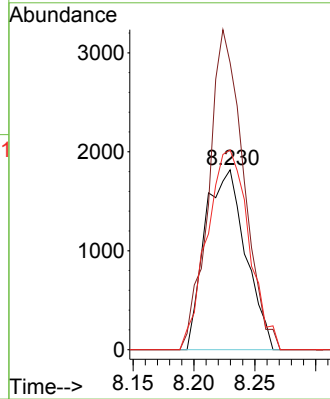


#31
Cyclohexane
Concen: 1.114 ug/l
RT: 8.230 min Scan# 1072
Delta R.T. -0.029 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :

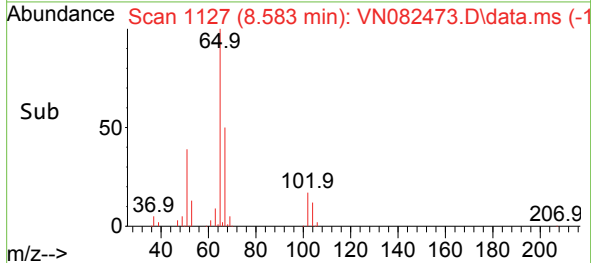
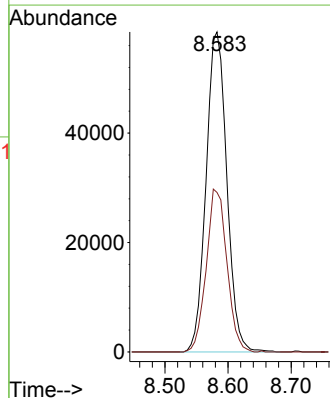
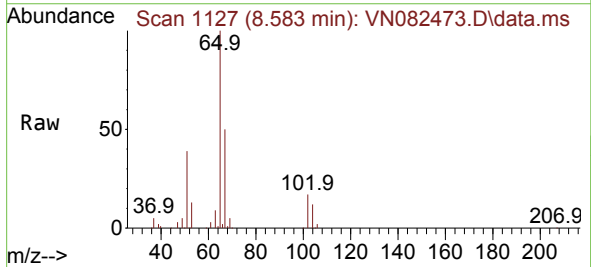


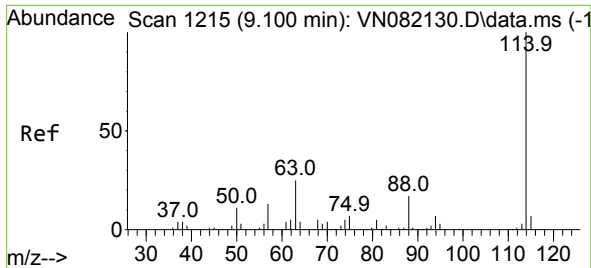
Tgt Ion: 56 Resp: 4221
Ion Ratio Lower Upper
56 100
69 159.5 24.4 36.6#
84 111.1 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 56.227 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

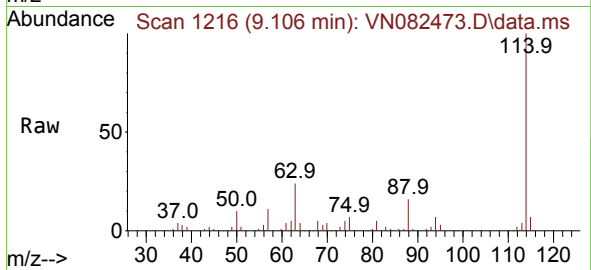
Tgt Ion: 65 Resp: 133357
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



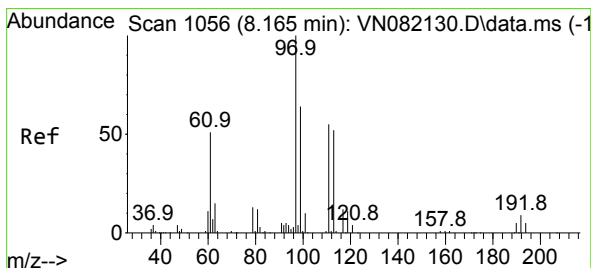
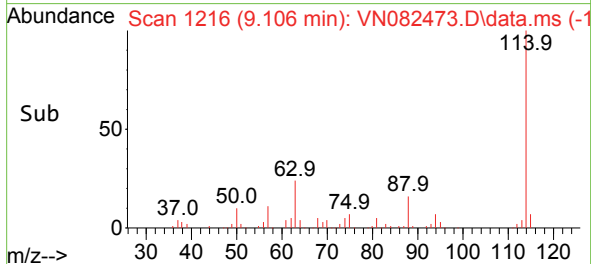
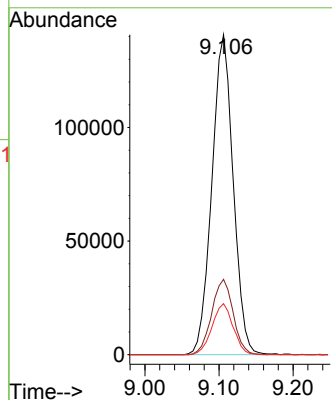


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :

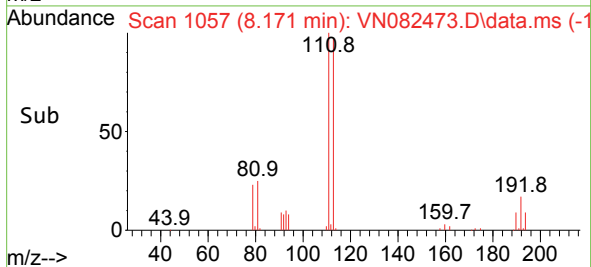
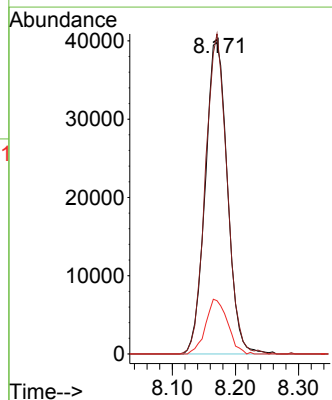
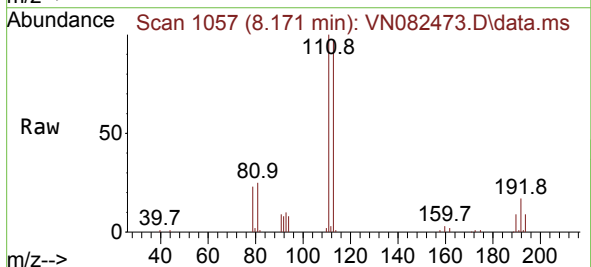


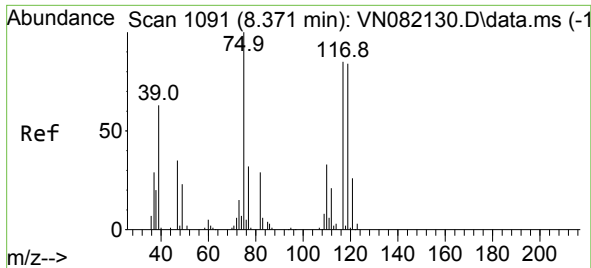
Tgt Ion:114 Resp: 281377
Ion Ratio Lower Upper
114 100
63 23.5 0.0 41.0
88 16.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 56.264 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

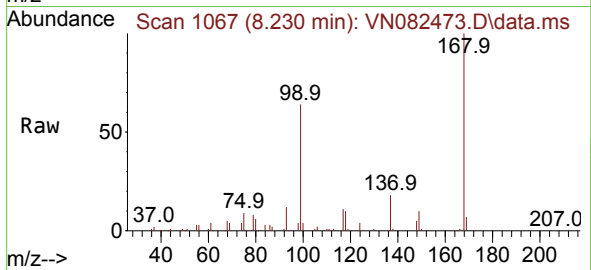
Tgt Ion:113 Resp: 97388
Ion Ratio Lower Upper
113 100
111 100.2 83.4 125.2
192 17.3 14.0 21.0



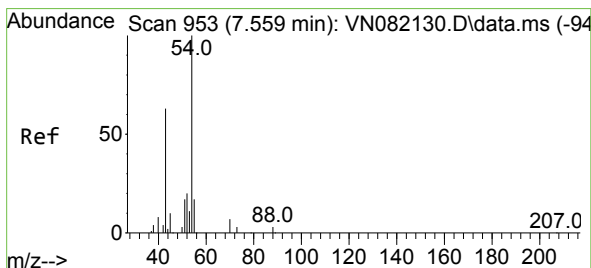
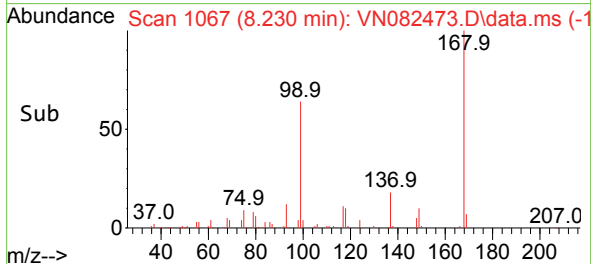
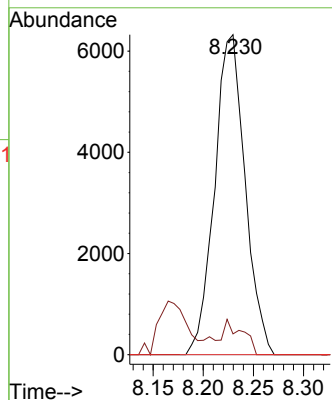


#36
1,1-Dichloropropene
Concen: 4.611 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :

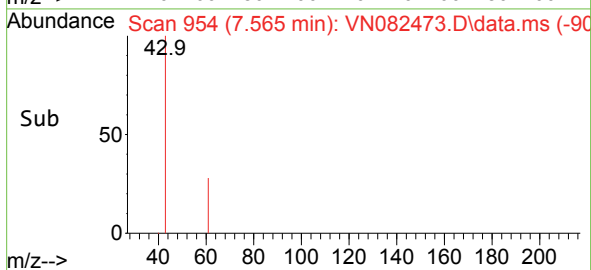
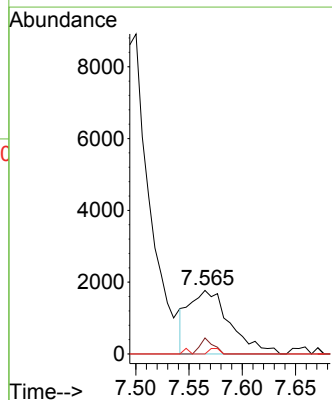
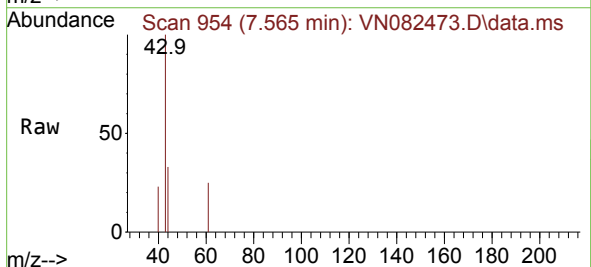


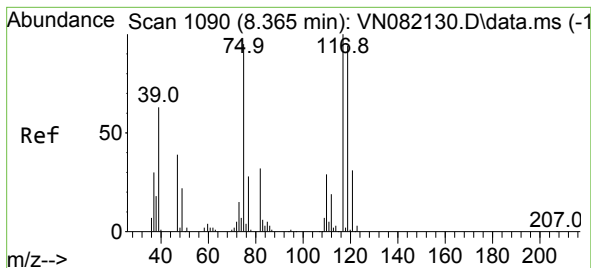
Tgt Ion: 75 Resp: 13387
Ion Ratio Lower Upper
75 100
110 7.1 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.465 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

Tgt Ion: 43 Resp: 4758
Ion Ratio Lower Upper
43 100
61 8.1 11.3 16.9#
70 2.2 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.494 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.135 min

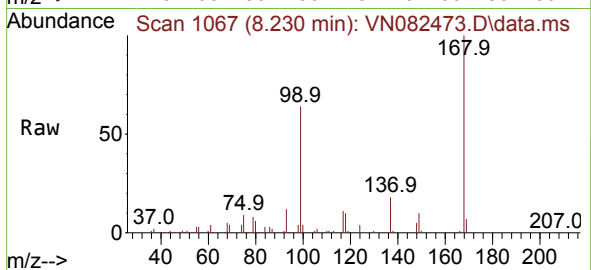
Lab File: VN082473.D

Acq: 05 Jun 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :



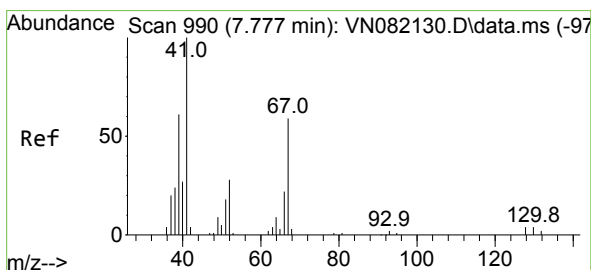
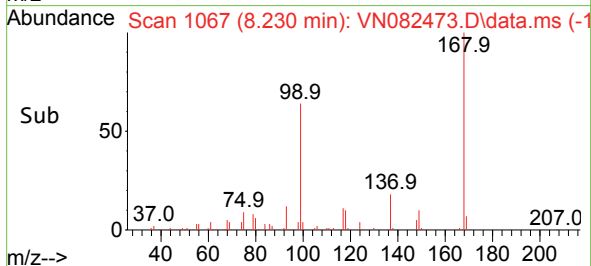
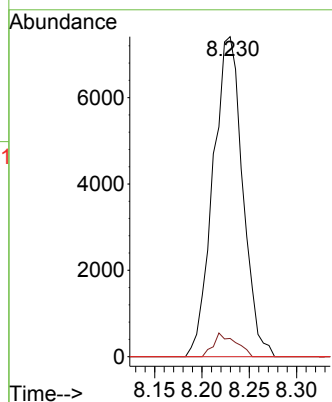
Tgt Ion:117 Resp: 16167

Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

121 0.0 23.9 35.9#



#41

Methacrylonitrile

Concen: 0.713 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.071 min

Lab File: VN082473.D

Acq: 05 Jun 2024 16:14

Tgt Ion: 41 Resp: 1363

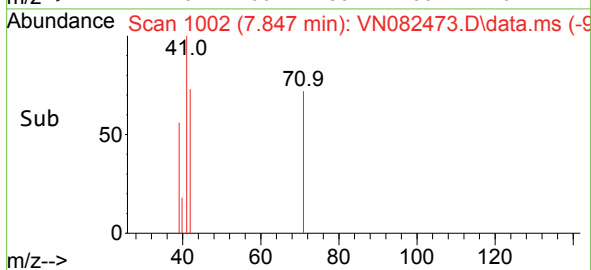
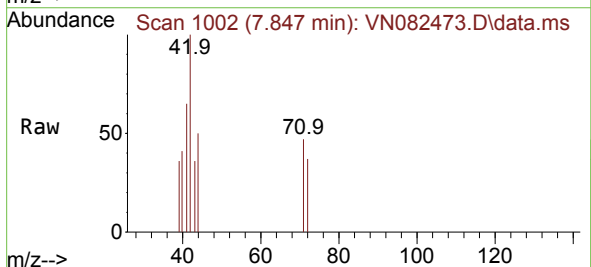
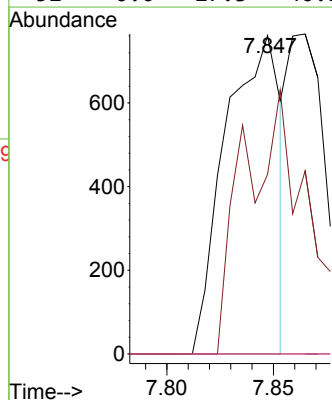
Ion Ratio Lower Upper

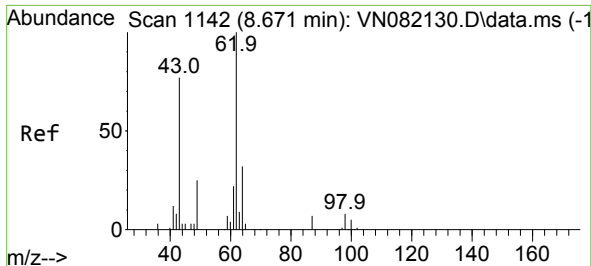
41 100

39 32.6 46.6 69.8#

67 0.0 67.3 100.9#

52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.381 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN082473.D

Acq: 05 Jun 2024 16:14

Instrument :

MSVOA_N

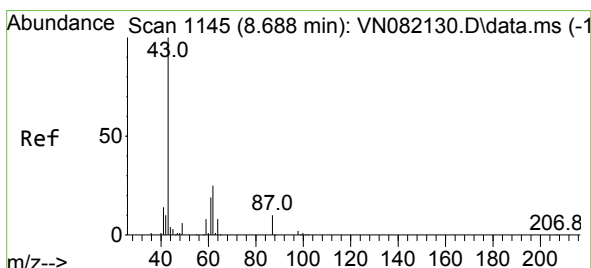
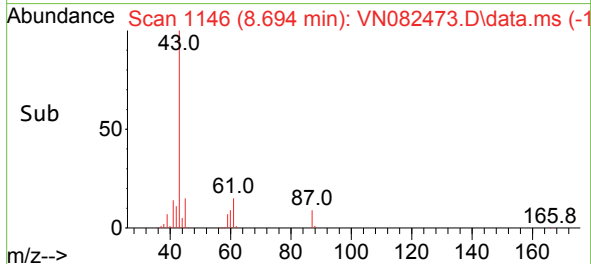
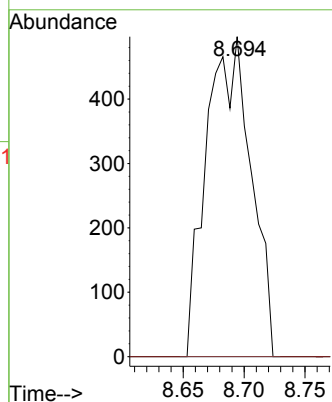
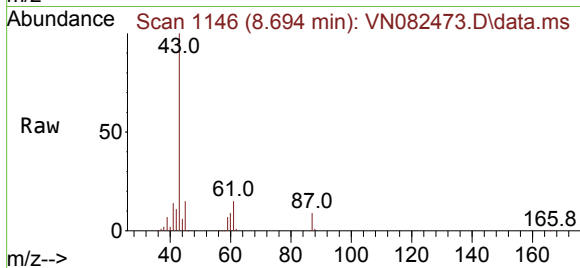
ClientSampleId :

Tgt Ion: 62 Resp: 1269

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 45.620 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082473.D

Acq: 05 Jun 2024 16:14

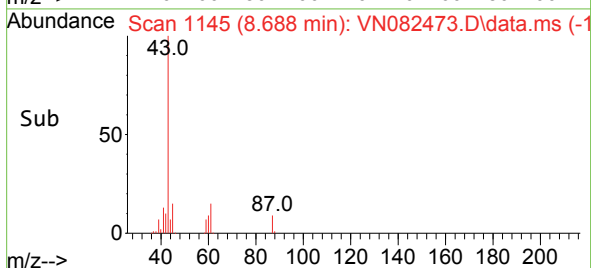
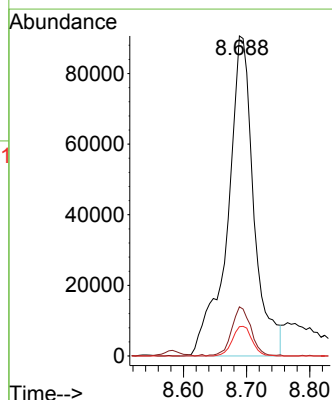
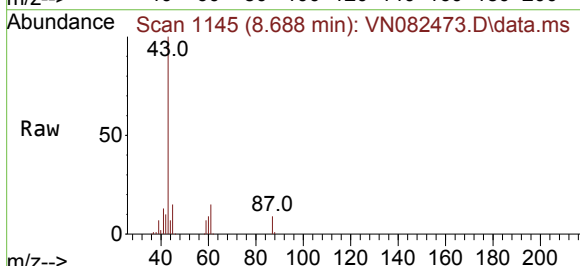
Tgt Ion: 43 Resp: 262620

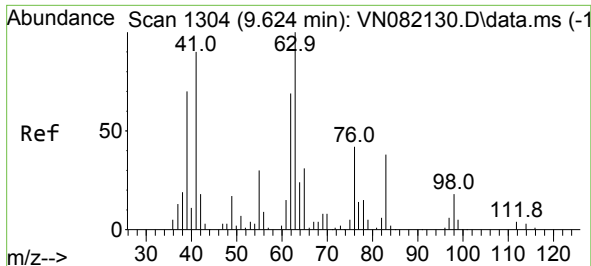
Ion Ratio Lower Upper

43 100

61 11.3 22.8 34.2#

87 6.9 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.840 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082473.D

Acq: 05 Jun 2024 16:14

Instrument :

MSVOA_N

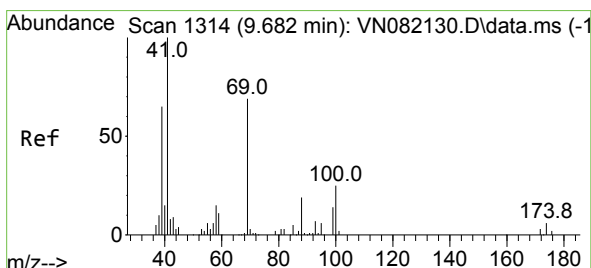
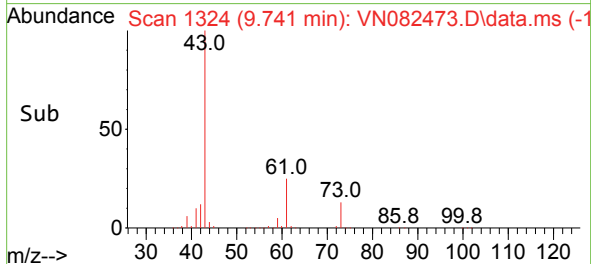
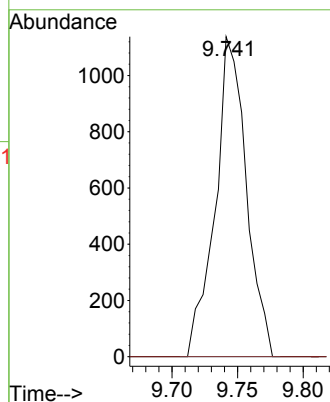
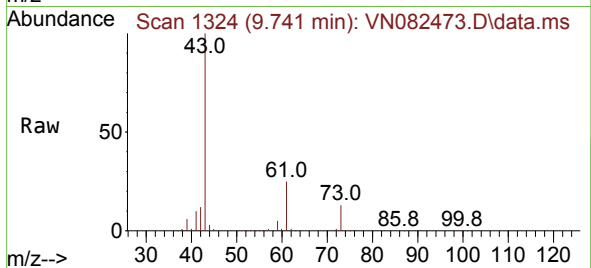
ClientSampleId :

Tgt Ion: 63 Resp: 1876

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.875 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.024 min

Lab File: VN082473.D

Acq: 05 Jun 2024 16:14

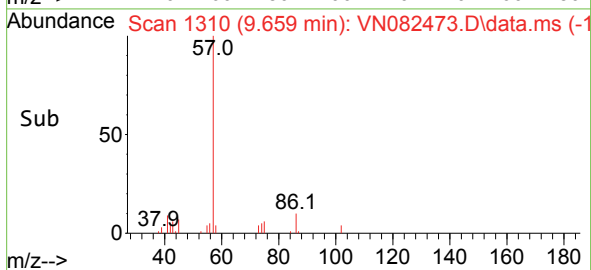
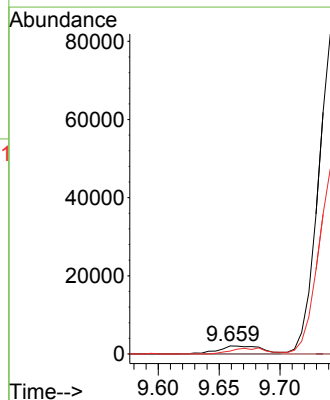
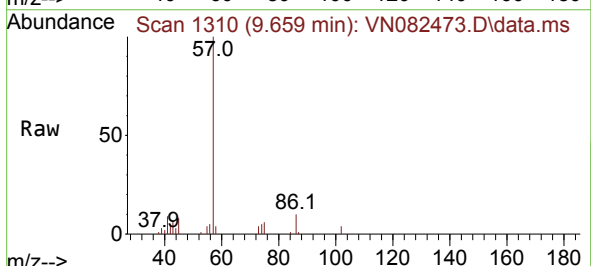
Tgt Ion: 41 Resp: 5142

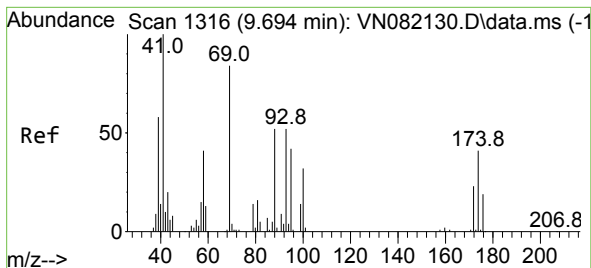
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

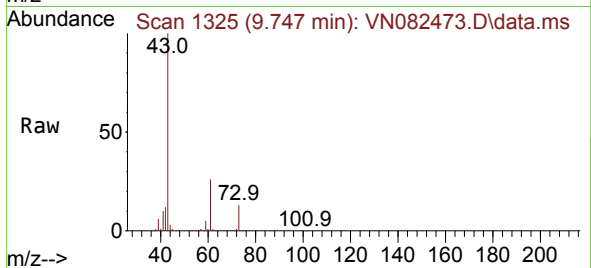
39 0.0 50.9 76.3#



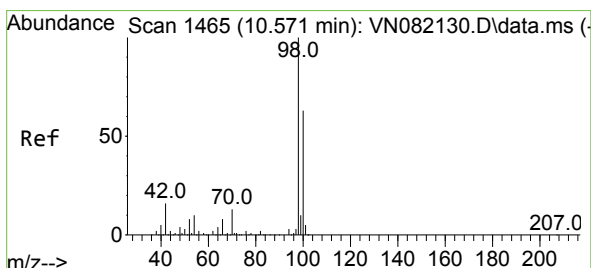
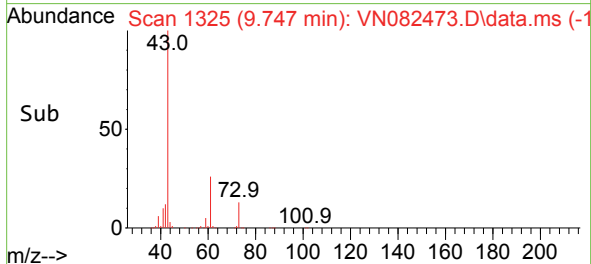
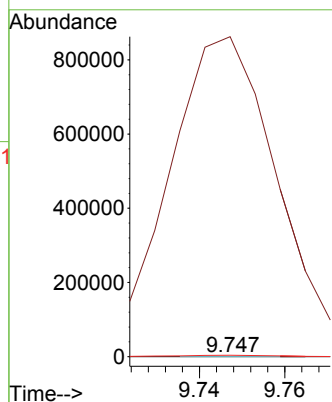


#49
1,4-Dioxane
Concen: 1.483 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :

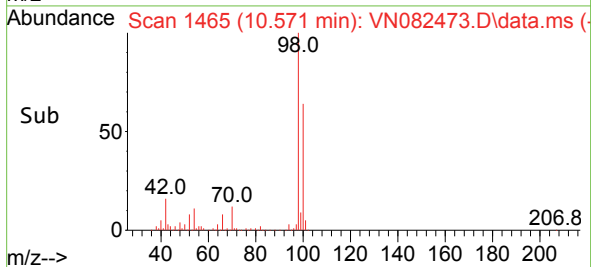
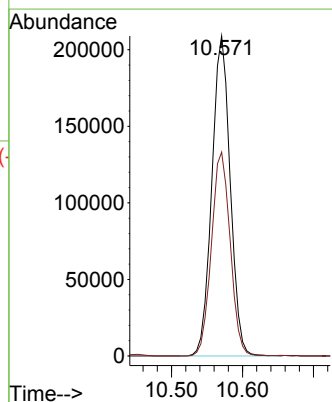
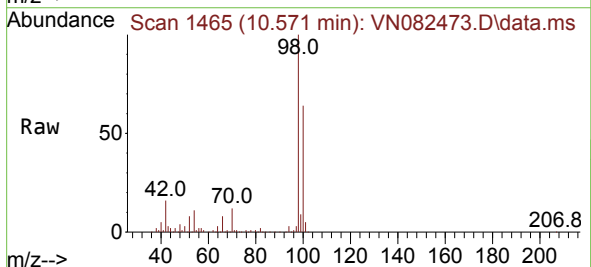


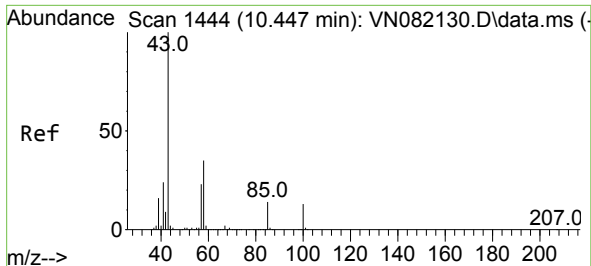
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 2734687.7 19.0 28.6#
58 12071.9 50.6 76.0#



#50
Toluene-d8
Concen: 56.424 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

Tgt Ion: 98 Resp: 374436
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6

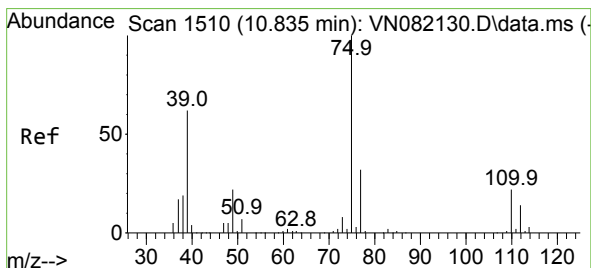
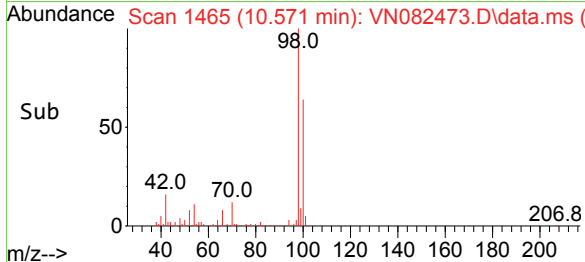
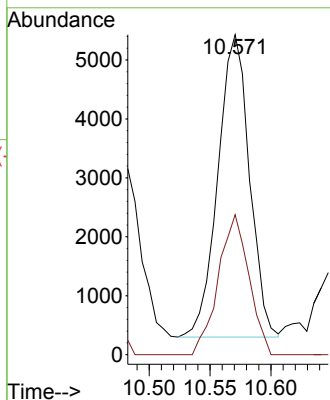
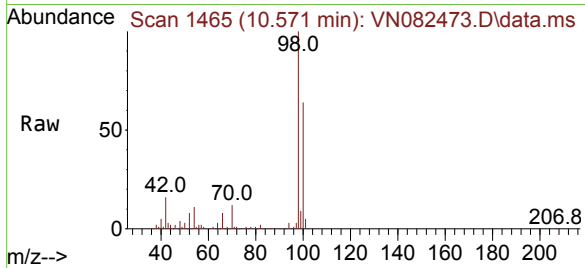




#51
4-Methyl-2-Pentanone
Concen: 2.824 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

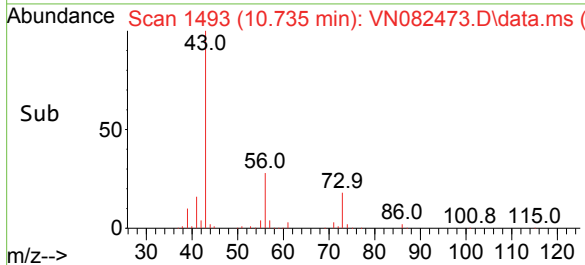
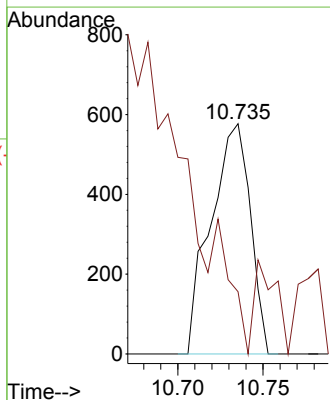
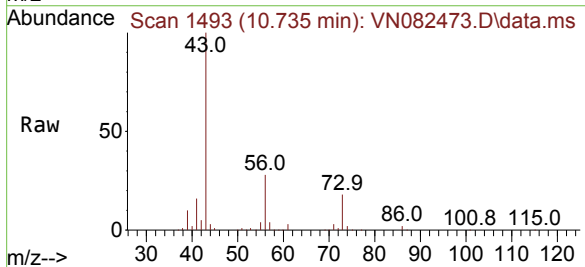
Instrument :
MSVOA_N
ClientSampleId :

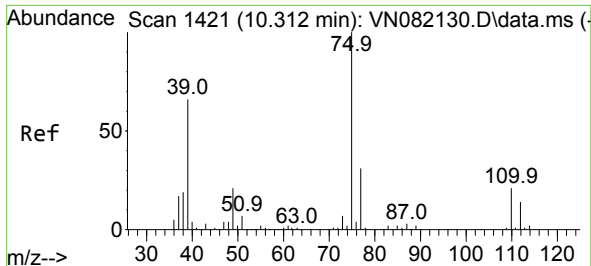
Tgt Ion: 43 Resp: 9235
Ion Ratio Lower Upper
43 100
58 44.9 33.2 49.8



#53
t-1,3-Dichloropropene
Concen: 0.291 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

Tgt Ion: 75 Resp: 933
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

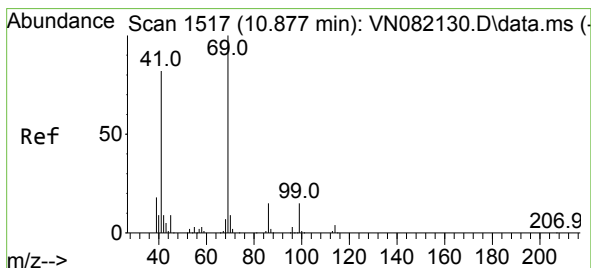
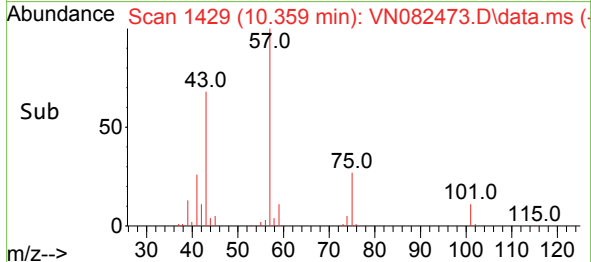
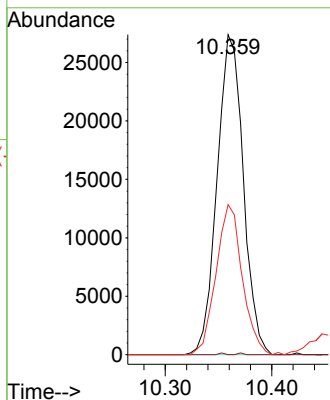
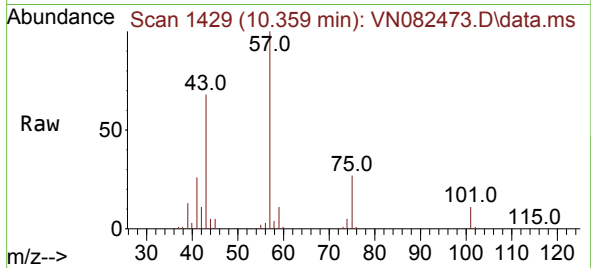




#54
 cis-1,3-Dichloropropene
 Concen: 13.779 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082473.D
 Acq: 05 Jun 2024 16:14

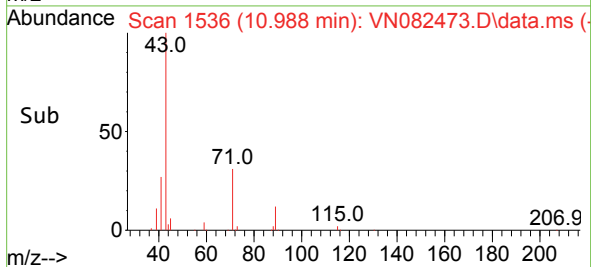
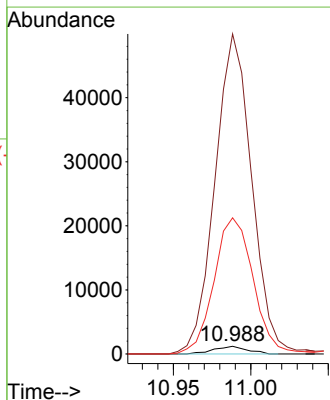
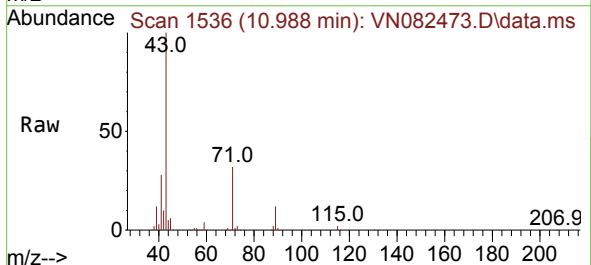
Instrument :
 MSVOA_N
 ClientSampleId :

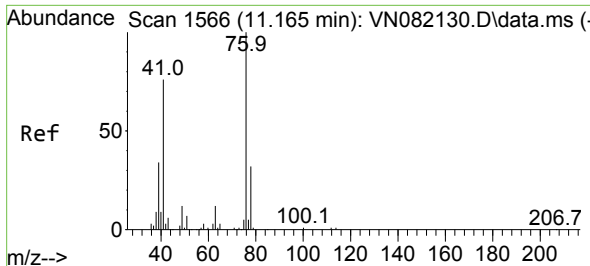
Tgt Ion: 75 Resp: 46697
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 46.9 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.559 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082473.D
 Acq: 05 Jun 2024 16:14

Tgt Ion: 69 Resp: 1793
 Ion Ratio Lower Upper
 69 100
 41 4606.2 46.6 70.0#
 39 2084.4 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.762 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

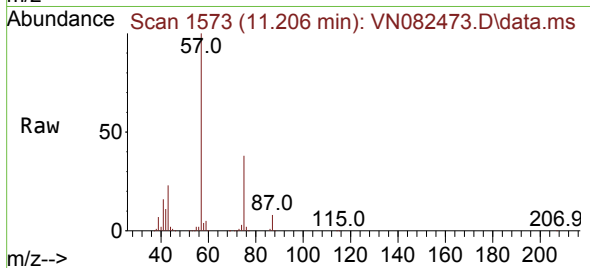
Lab File: VN082473.D

Acq: 05 Jun 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

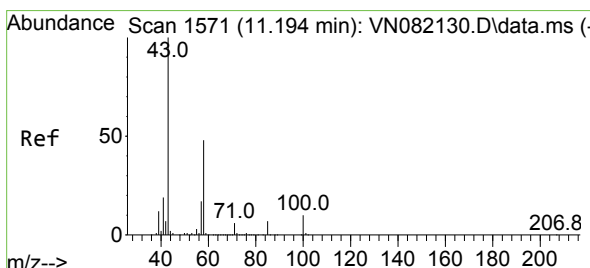
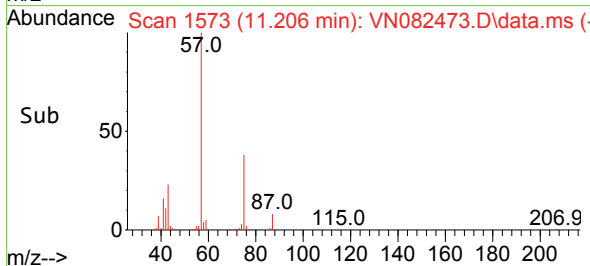
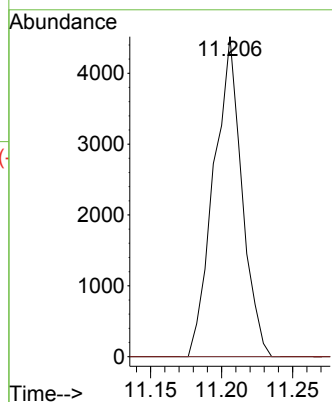


Tgt Ion: 76 Resp: 6219

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 35.918 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN082473.D

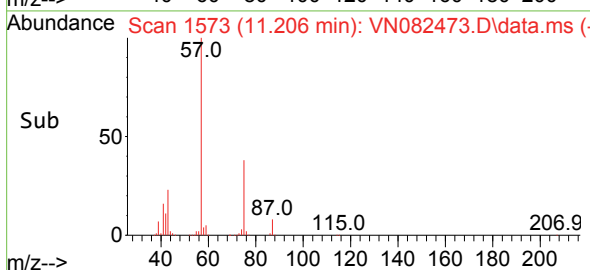
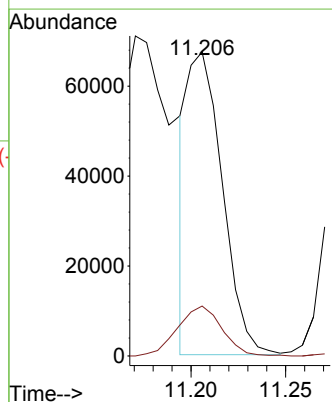
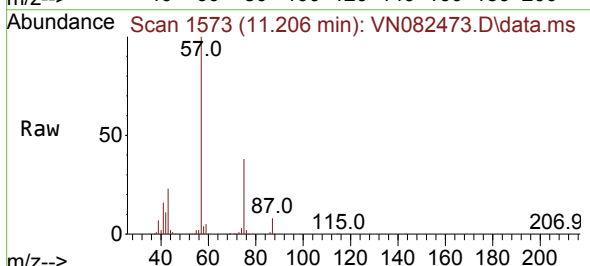
Acq: 05 Jun 2024 16:14

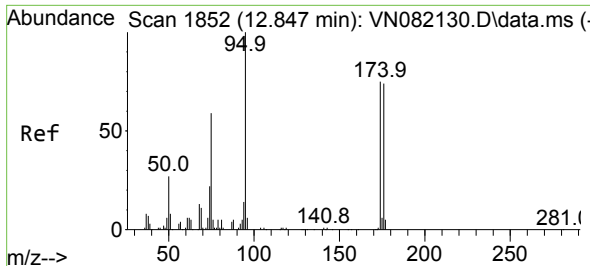
Tgt Ion: 43 Resp: 86019

Ion Ratio Lower Upper

43 100

58 21.1 28.3 84.9#

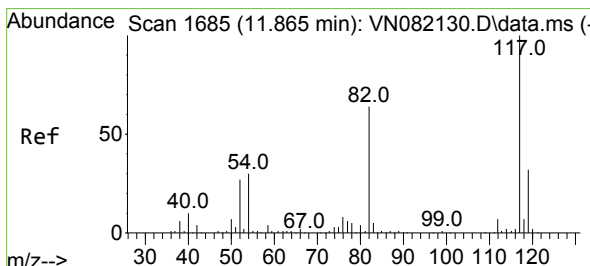
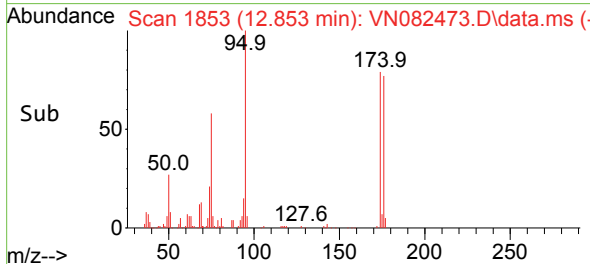
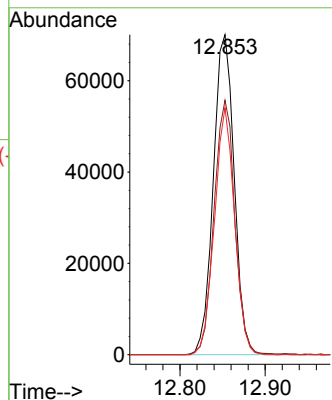
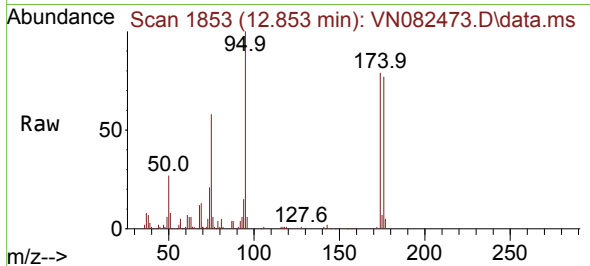




#62
4-Bromofluorobenzene
Concen: 50.436 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

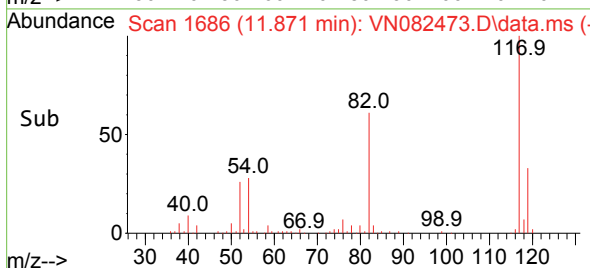
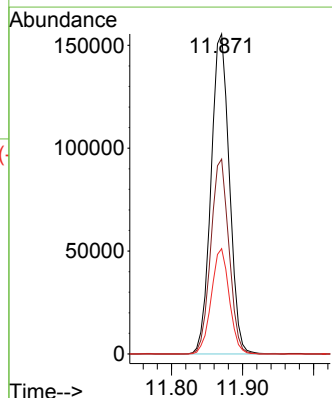
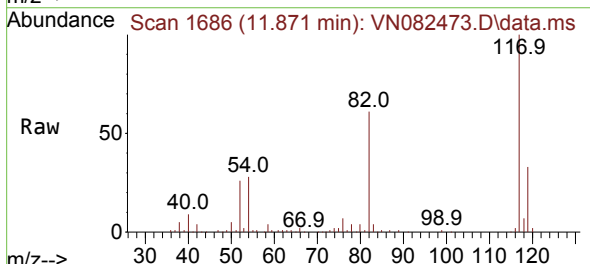
Instrument :
MSVOA_N
ClientSampleId :

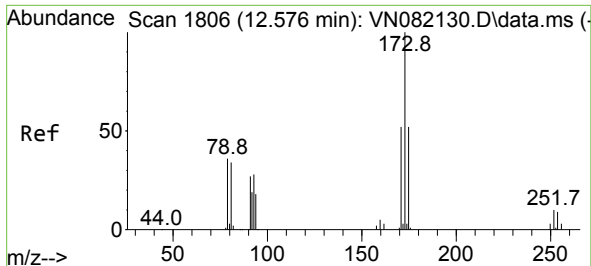
Tgt Ion: 95 Resp: 119463
Ion Ratio Lower Upper
95 100
174 79.1 0.0 160.6
176 74.6 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

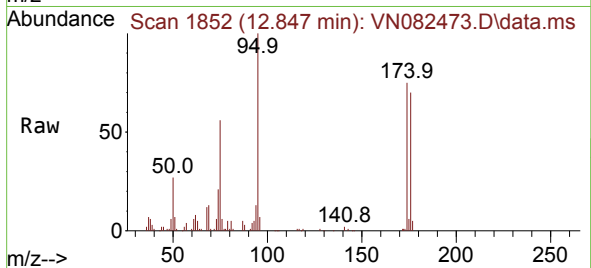
Tgt Ion: 117 Resp: 278701
Ion Ratio Lower Upper
117 100
82 60.9 44.6 66.8
119 32.9 25.9 38.9



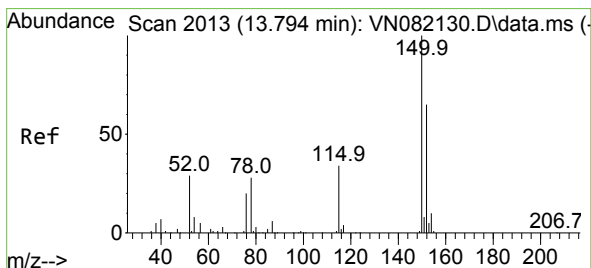
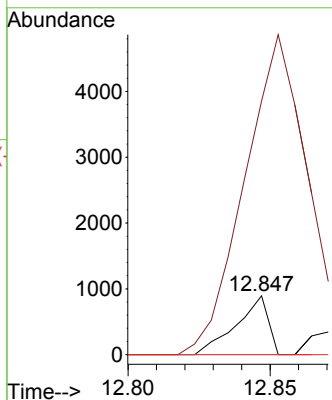
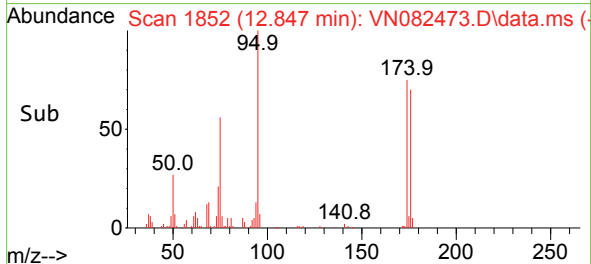


#71
Bromoform
Concen: 1.131 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

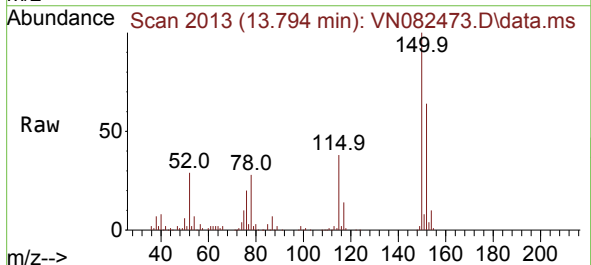
Instrument :
MSVOA_N
ClientSampleId :



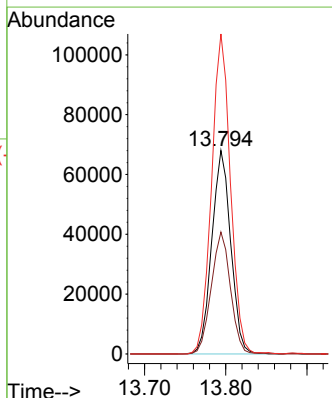
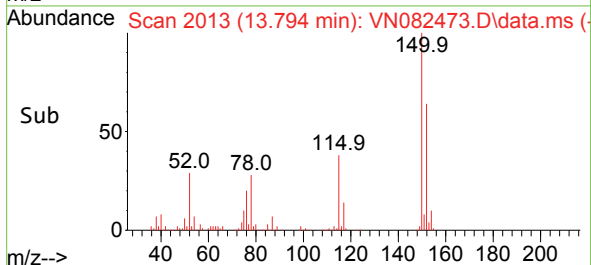
Tgt Ion:173 Resp: 703
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

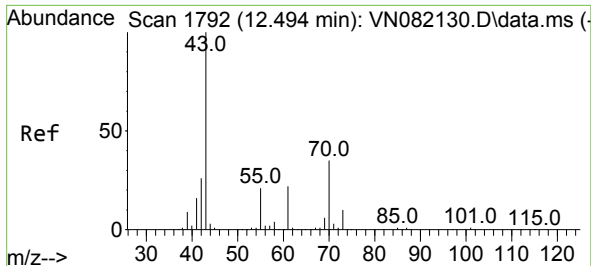


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14



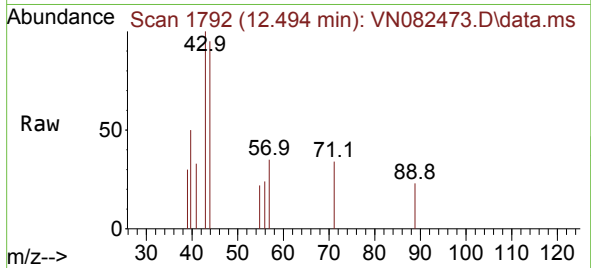
Tgt Ion:152 Resp: 110474
Ion Ratio Lower Upper
152 100
115 60.5 30.4 91.3
150 156.5 0.0 353.2



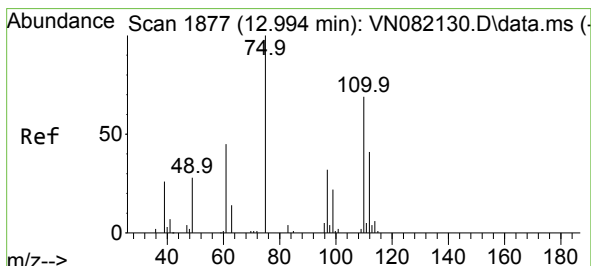
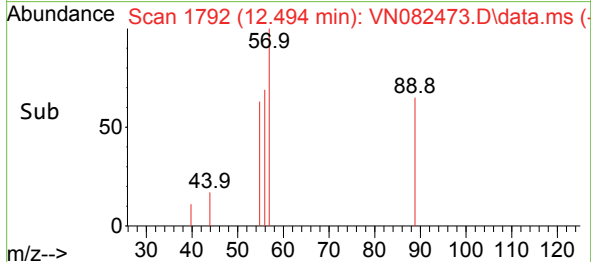
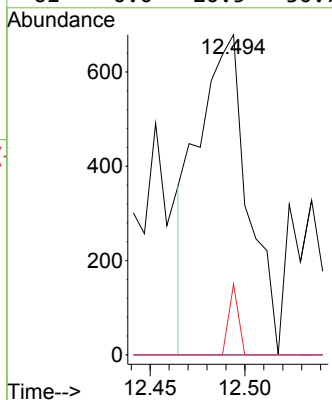


#74
N-amy1 acetate
Concen: 0.261 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :

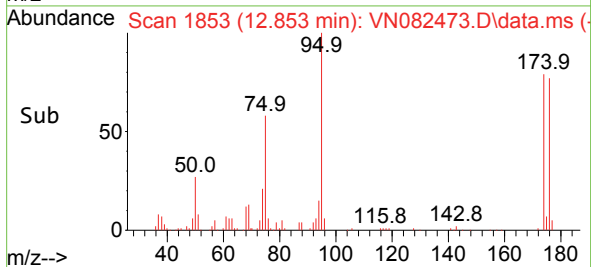
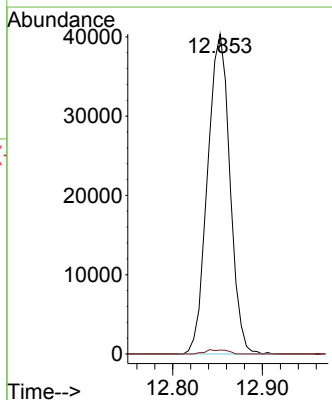
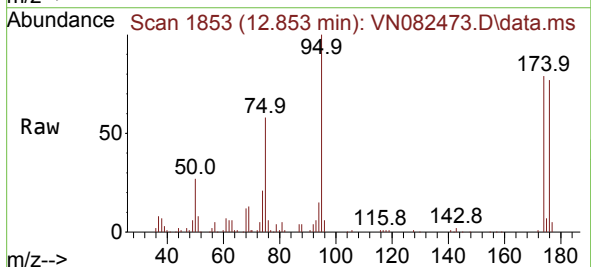


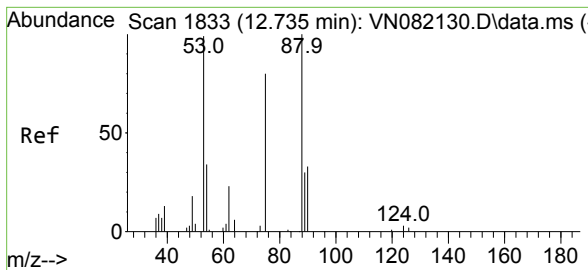
Tgt Ion:	43	Resp:	1260
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	4.2	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 30.021 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082473.D
Acq: 05 Jun 2024 16:14

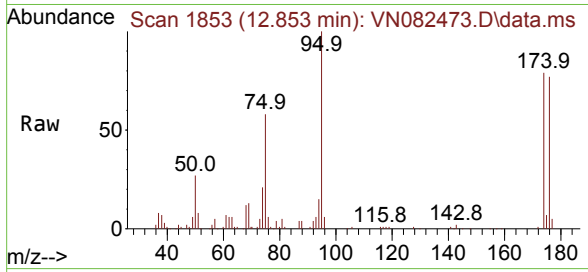
Tgt Ion:	75	Resp:	69806
Ion	Ratio	Lower	Upper
75	100		
77	1.3	90.5	271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.219 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082473.D
 Acq: 05 Jun 2024 16:14

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 69806
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

