

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082290.D
 Acq On : 22 May 2024 13:53
 Operator : JC\MD
 Sample : PB161037ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:52:31 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

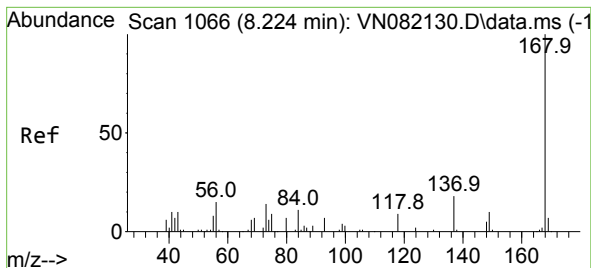
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	193684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	345798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	328649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	157356	51.452	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.900%			
35) Dibromofluoromethane	8.165	113	110051	51.735	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.480%			
50) Toluene-d8	10.571	98	439307	53.866	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.740%			
62) 4-Bromofluorobenzene	12.847	95	154088	52.935	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 105.880%			
Target Compounds					Qvalue	
5) Bromomethane	2.977	94	424	0.248	ug/l #	71
16) Acetone	4.436	43	22202	17.697	ug/l	96
18) Methyl Acetate	5.042	43	2402	0.769	ug/l #	64
20) Methylene Chloride	5.277	84	11131	4.397	ug/l #	81
25) 2-Butanone	7.488	43	2010	1.057	ug/l #	43
29) Tetrahydrofuran	7.841	42	477	0.391	ug/l #	29
31) Cyclohexane	8.230	56	5773	1.182	ug/l #	41
36) 1,1-Dichloropropene	8.224	75	18046	5.058	ug/l #	49
37) Ethyl Acetate	7.565	43	4627	1.159	ug/l #	83
38) Carbon Tetrachloride	8.230	117	21113	5.838	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1267	0.310	ug/l #	73
43) Isopropyl Acetate	8.688	43	320237	45.265	ug/l #	71
45) 1,2-Dichloropropane	9.741	63	2180	0.794	ug/l #	45
48) Methyl methacrylate	9.741	41	169808	50.372	ug/l #	37
49) 1,4-Dioxane	9.747	88	219	4.636	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	149766	37.259	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	1153	0.293	ug/l #	88
54) cis-1,3-Dichloropropene	10.359	75	59060	14.180	ug/l #	76
56) Ethyl methacrylate	10.982	69	1486	0.377	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7601	1.752	ug/l #	42
59) 2-Hexanone	11.171	43	158760	53.942	ug/l #	23
71) Bromoform	12.847	173	806	1.119	ug/l #	28
74) N-amyl acetate	12.482	43	2227	0.368	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	94378	32.407	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	94378	75.798	ug/l #	12

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

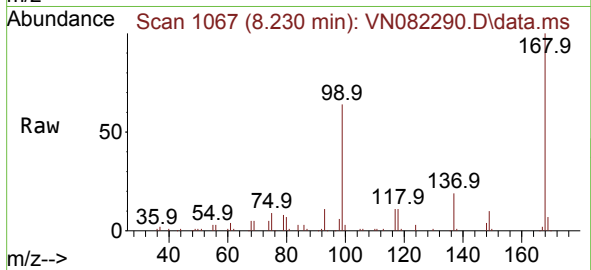
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



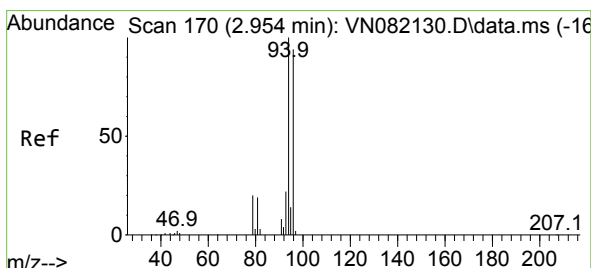
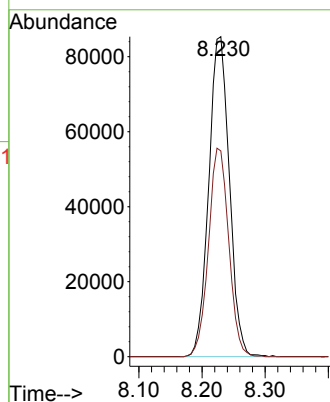
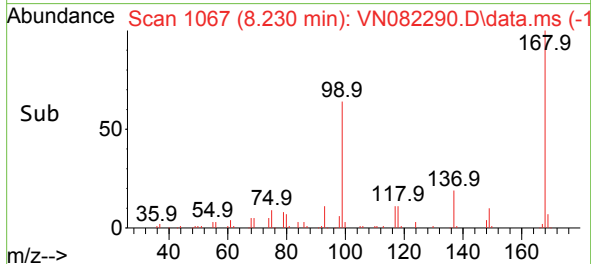


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :

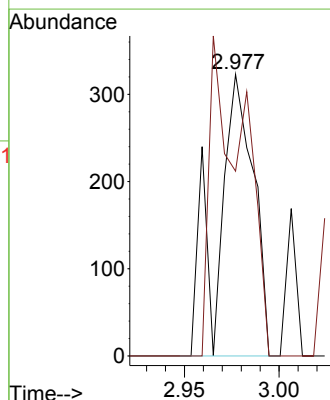
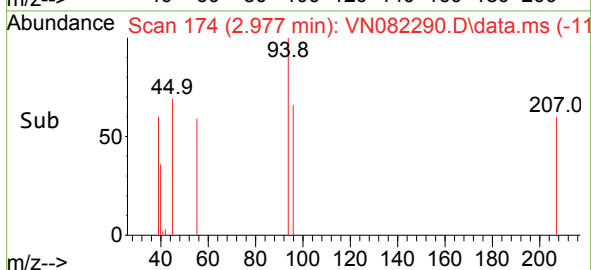
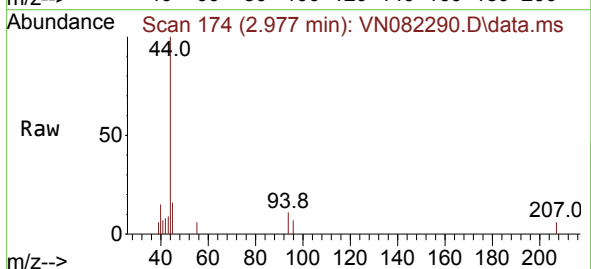


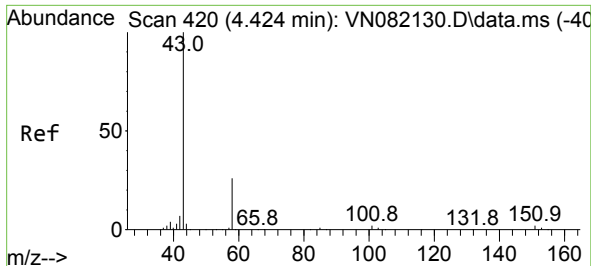
Tgt Ion:168 Resp: 193684
Ion Ratio Lower Upper
168 100
99 64.3 48.2 72.4



#5
Bromomethane
Concen: 0.248 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

Tgt Ion: 94 Resp: 424
Ion Ratio Lower Upper
94 100
96 65.6 74.8 112.2#

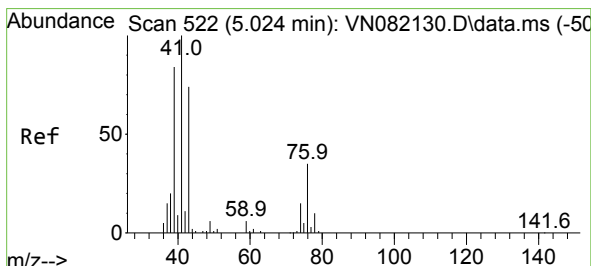
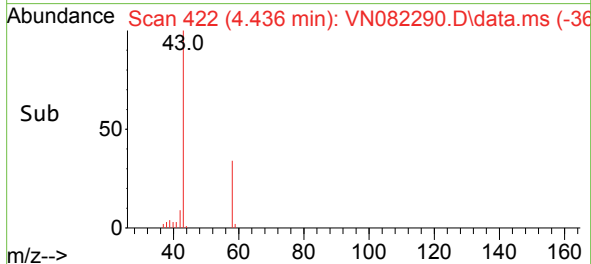
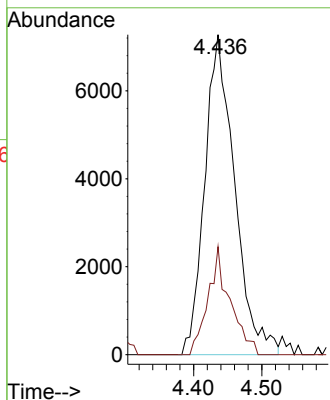
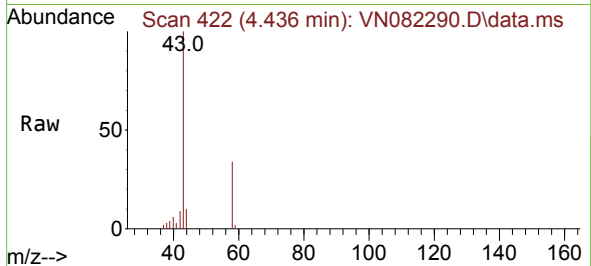




#16
Acetone
Concen: 17.697 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

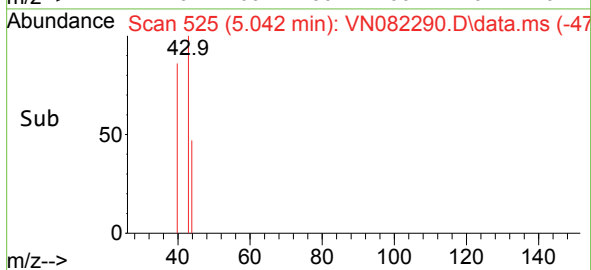
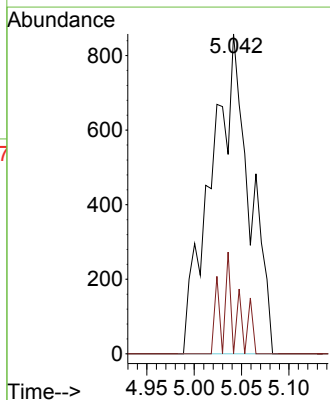
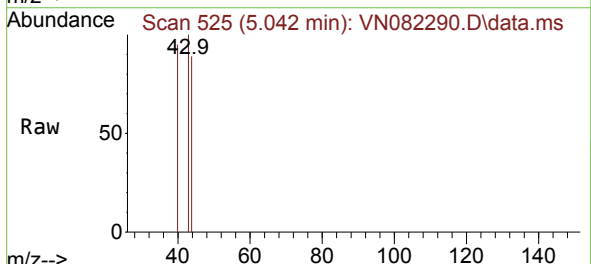
Instrument :
MSVOA_N
ClientSampleId :

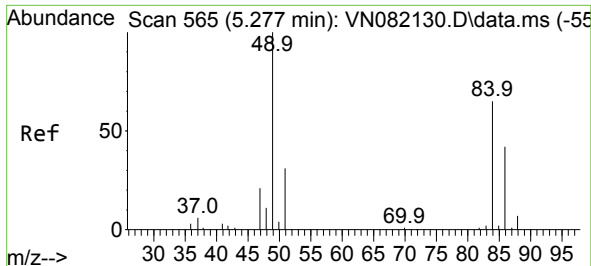
Tgt Ion: 43 Resp: 22202
Ion Ratio Lower Upper
43 100
58 33.8 25.2 37.8



#18
Methyl Acetate
Concen: 0.769 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

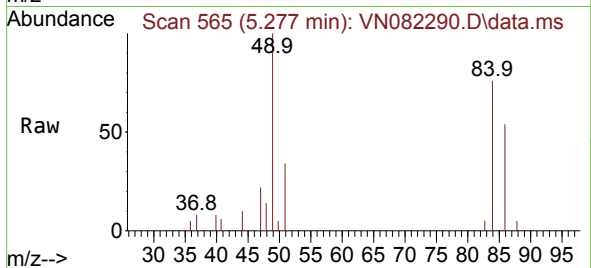
Tgt Ion: 43 Resp: 2402
Ion Ratio Lower Upper
43 100
74 8.8 22.2 33.2#





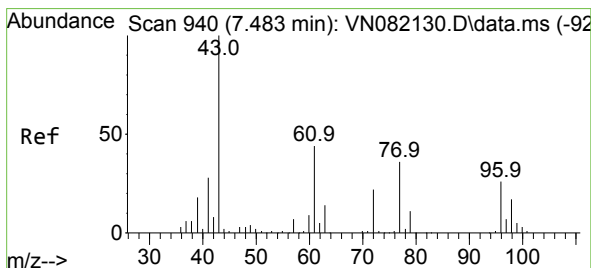
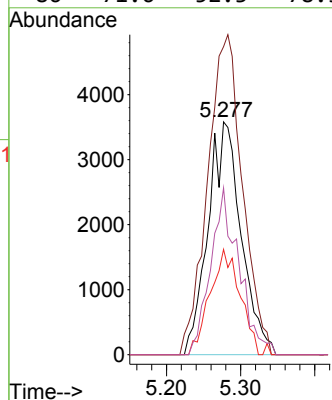
#20
Methylene Chloride
Concen: 4.397 ug/l
RT: 5.277 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 11131

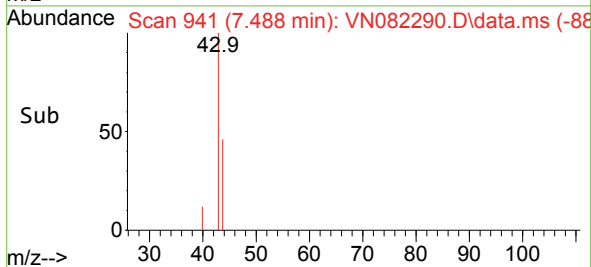
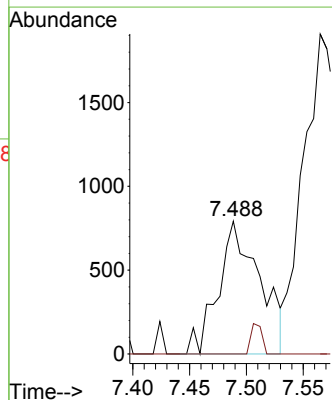
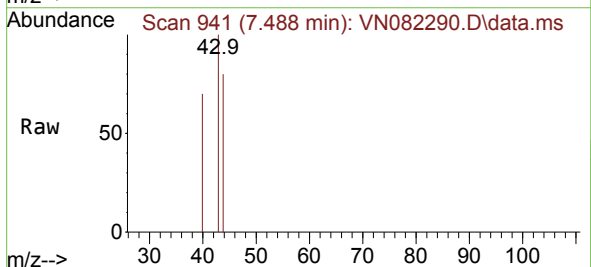
Ion	Ratio	Lower	Upper
84	100		
49	132.3	84.9	127.3#
51	45.2	27.0	40.6#
86	71.6	52.3	78.5

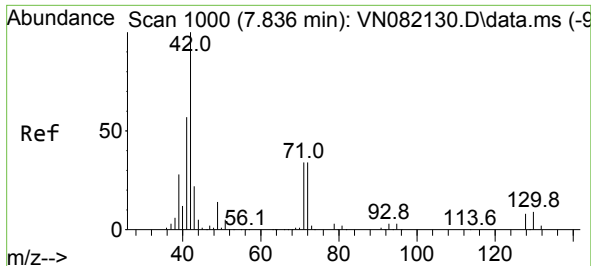


#25
2-Butanone
Concen: 1.057 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

Tgt Ion: 43 Resp: 2010

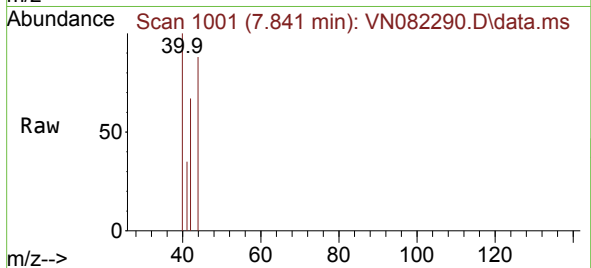
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.3	37.9#



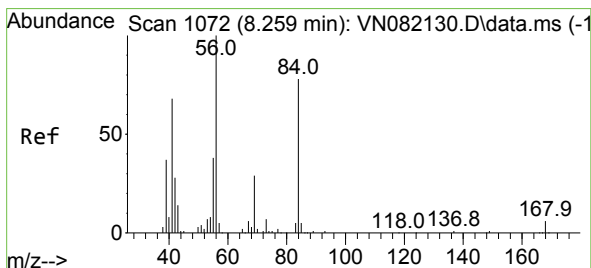
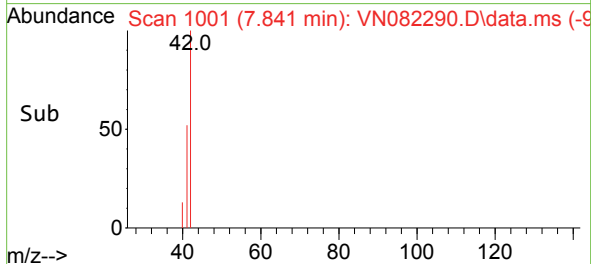
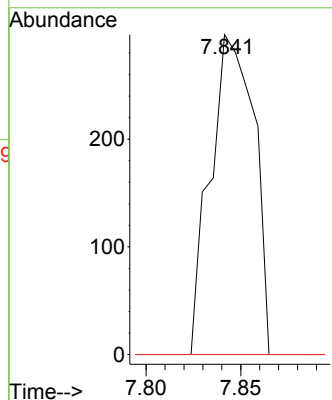


#29
Tetrahydrofuran
Concen: 0.391 ug/l
RT: 7.841 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :

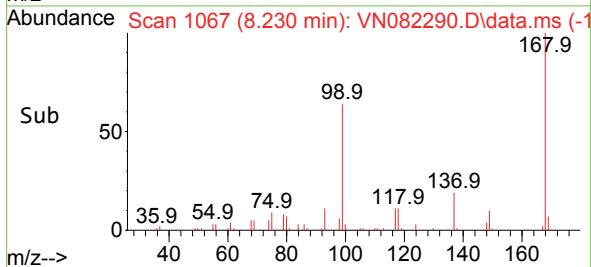
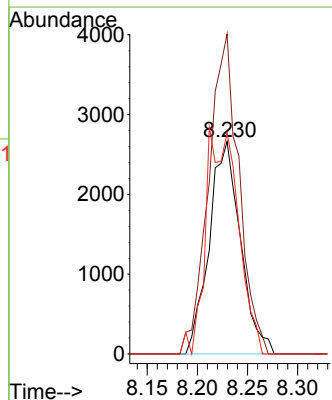
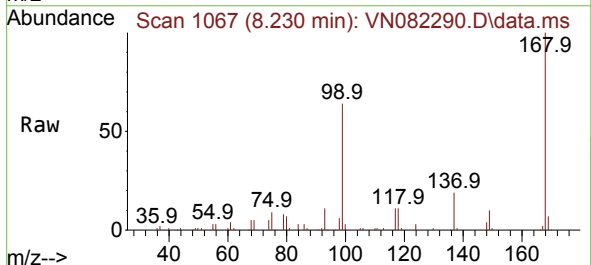


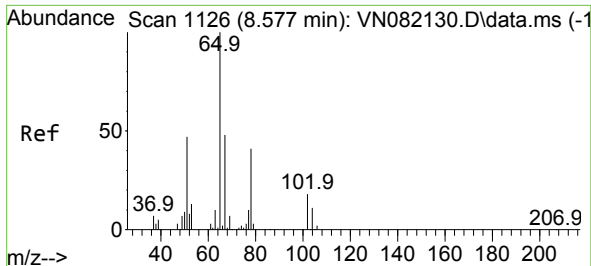
Tgt Ion: 42 Resp: 477
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



#31
Cyclohexane
Concen: 1.182 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

Tgt Ion: 56 Resp: 5773
Ion Ratio Lower Upper
56 100
69 150.6 24.4 36.6#
84 104.1 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 51.452 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082290.D

Acq: 22 May 2024 13:53

Instrument :

MSVOA_N

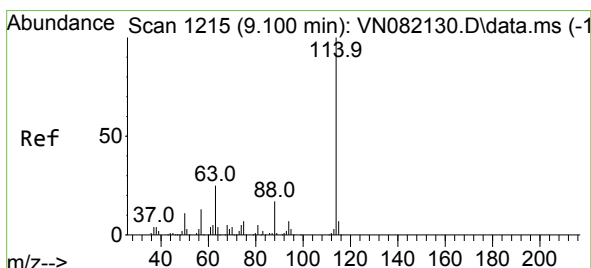
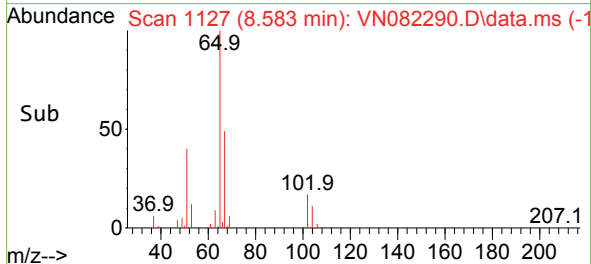
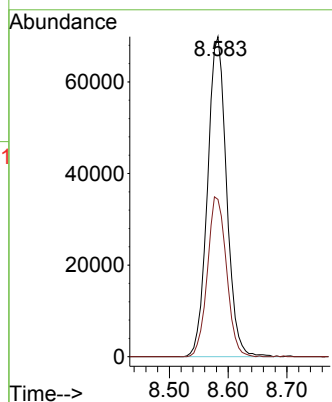
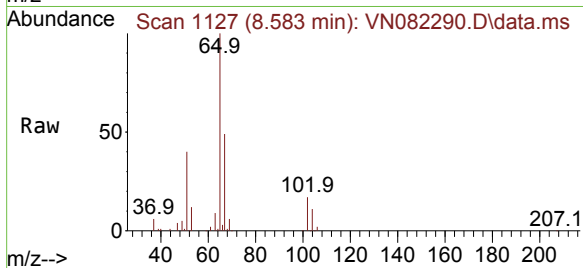
ClientSampleId :

Tgt Ion: 65 Resp: 157356

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082290.D

Acq: 22 May 2024 13:53

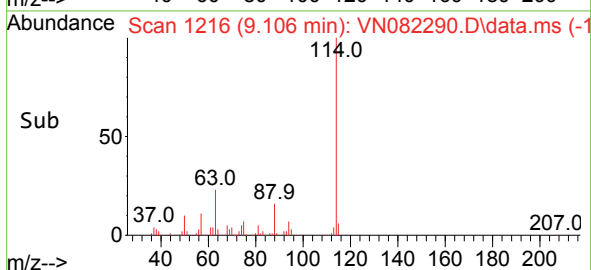
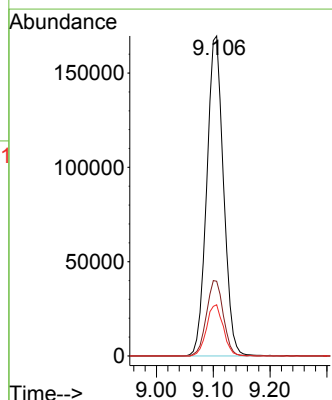
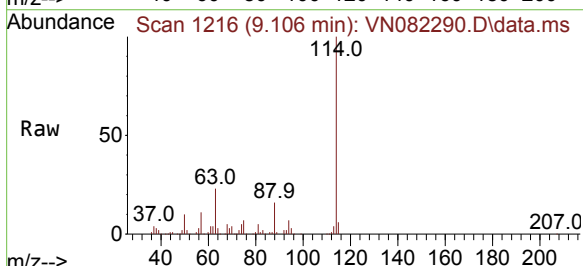
Tgt Ion: 114 Resp: 345798

Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.0

88 16.0 0.0 31.4

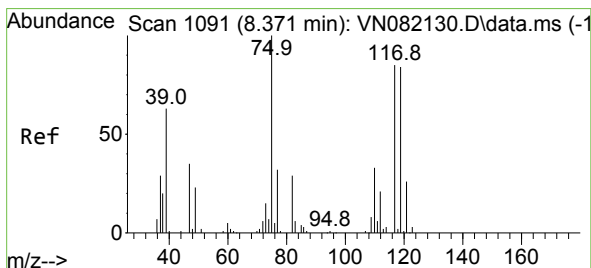
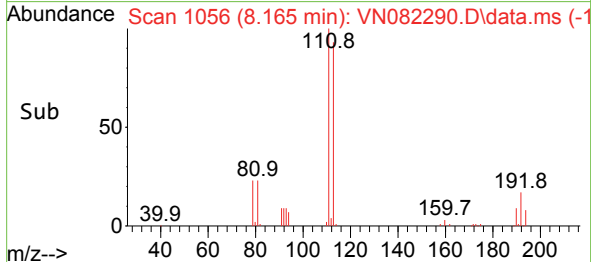
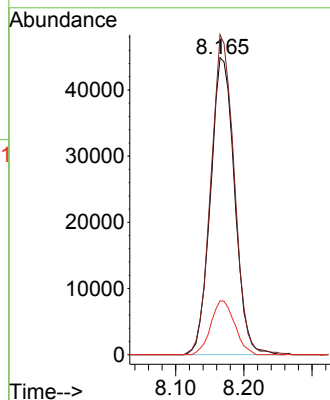
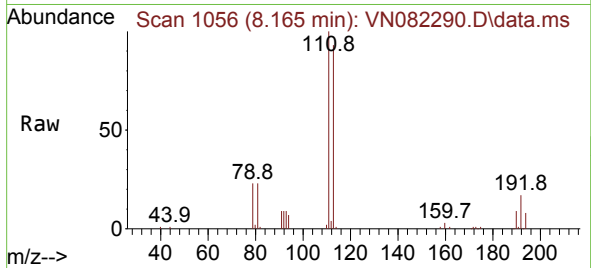




#35
Dibromofluoromethane
Concen: 51.735 ug/l
RT: 8.165 min Scan# 110051
Delta R.T. -0.000 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

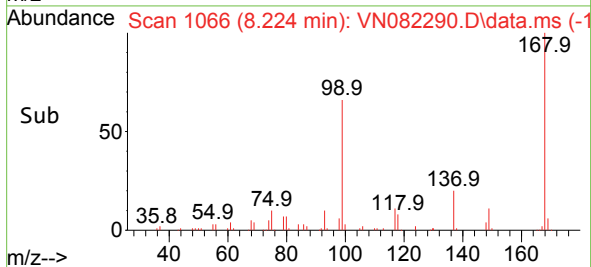
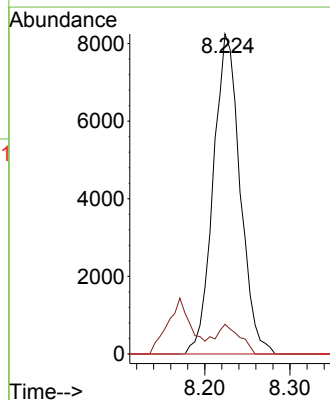
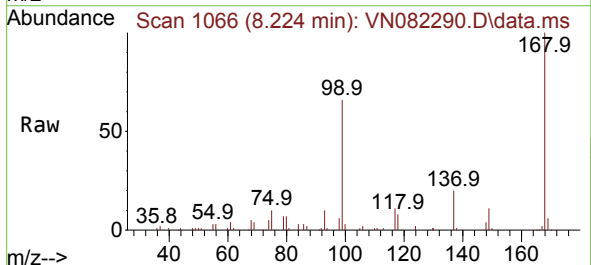
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:113 Resp: 110051
Ion Ratio Lower Upper
113 100
111 105.1 83.4 125.2
192 18.1 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

Tgt Ion: 75 Resp: 18046
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.159 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

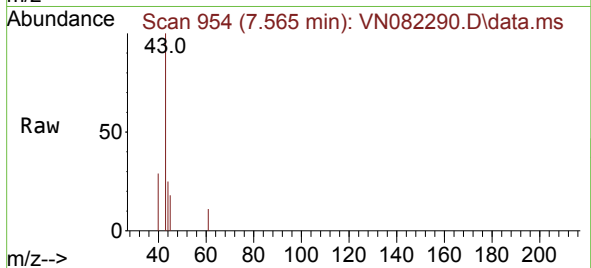
Lab File: VN082290.D

Acq: 22 May 2024 13:53

Instrument :

MSVOA_N

ClientSampleId :



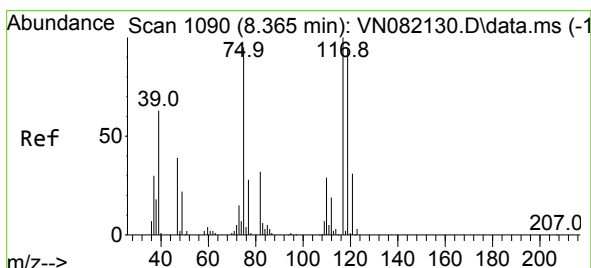
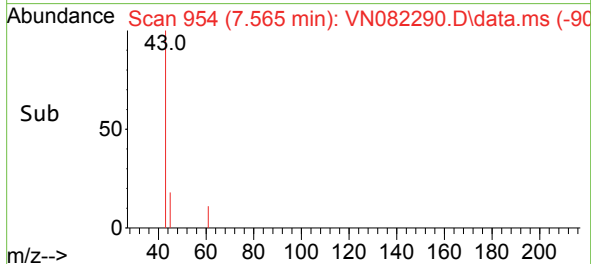
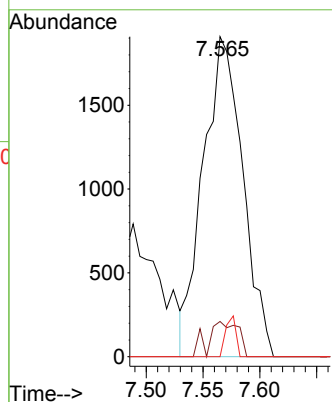
Tgt Ion: 43 Resp: 4627

Ion Ratio Lower Upper

43 100

61 8.3 11.3 16.9#

70 3.3 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.838 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082290.D

Acq: 22 May 2024 13:53

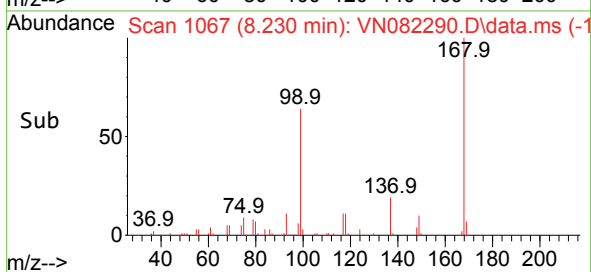
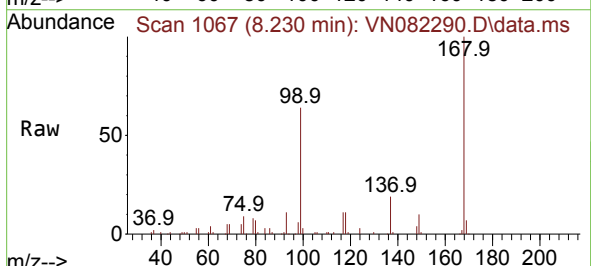
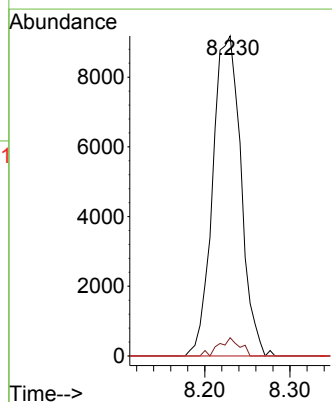
Tgt Ion: 117 Resp: 21113

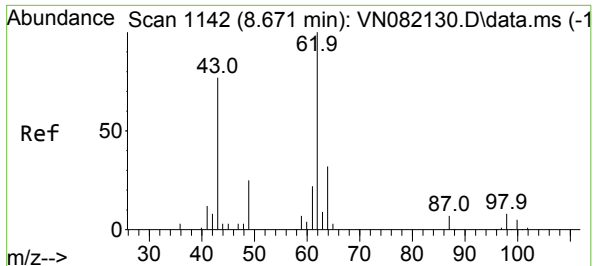
Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.310 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082290.D

Acq: 22 May 2024 13:53

Instrument :

MSVOA_N

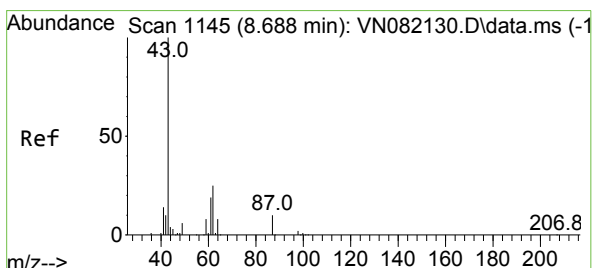
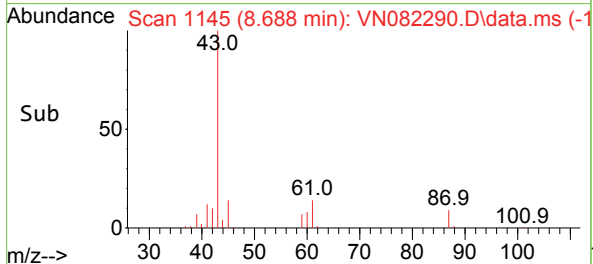
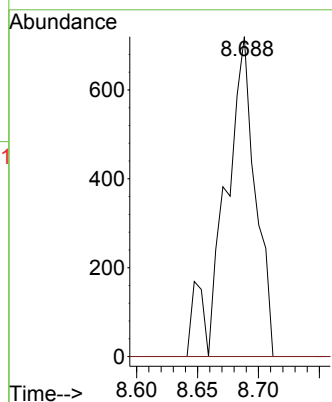
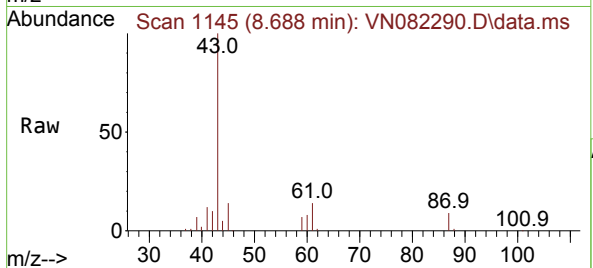
ClientSampleId :

Tgt Ion: 62 Resp: 1267

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 45.265 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082290.D

Acq: 22 May 2024 13:53

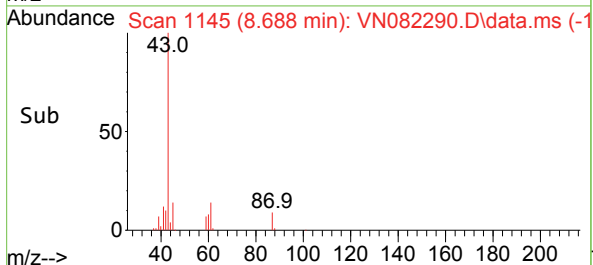
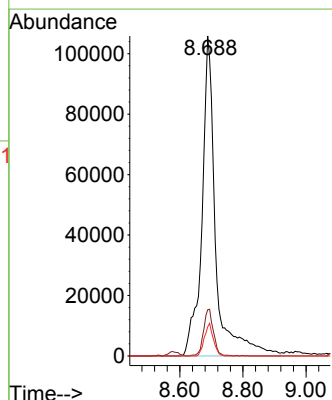
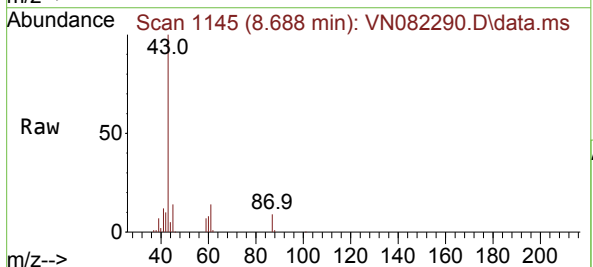
Tgt Ion: 43 Resp: 320237

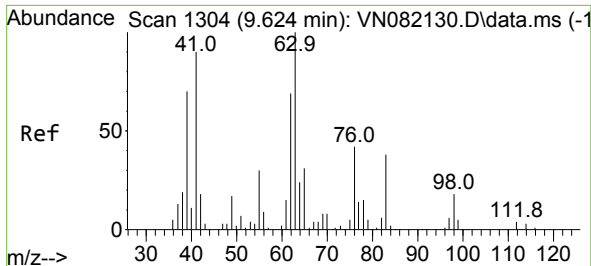
Ion Ratio Lower Upper

43 100

61 10.5 22.8 34.2#

87 6.6 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.794 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN082290.D

Acq: 22 May 2024 13:53

Instrument :

MSVOA_N

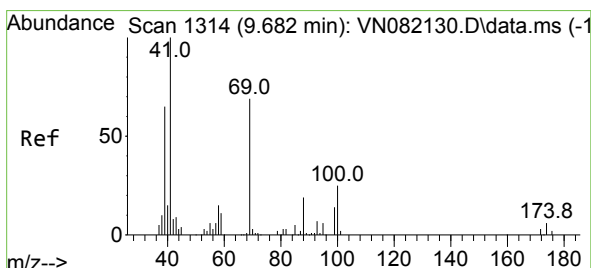
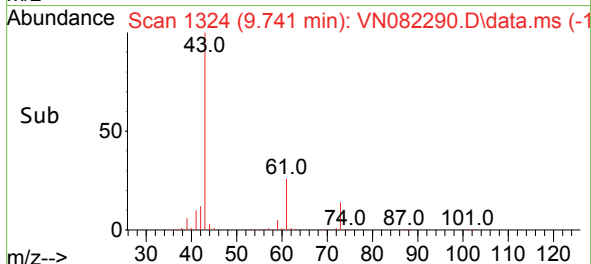
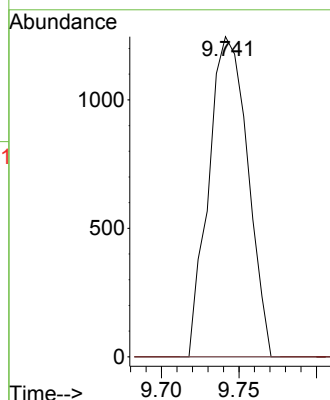
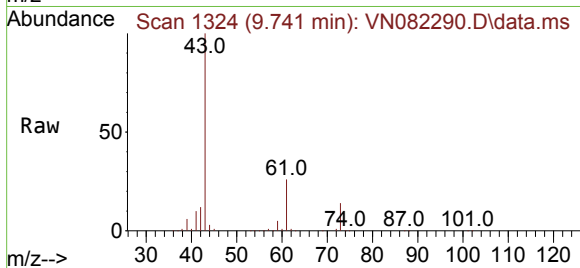
ClientSampleId :

Tgt Ion: 63 Resp: 2180

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 50.372 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082290.D

Acq: 22 May 2024 13:53

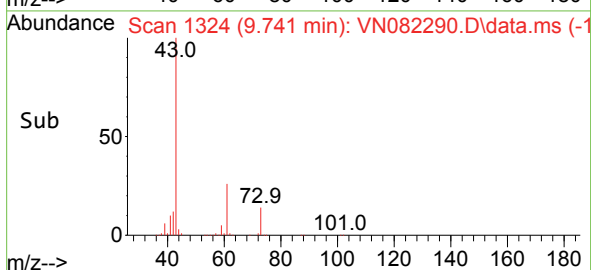
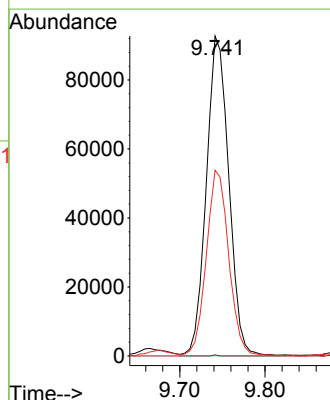
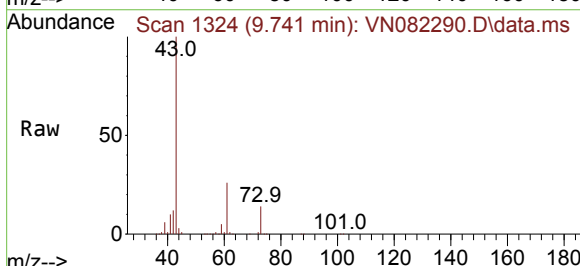
Tgt Ion: 41 Resp: 169808

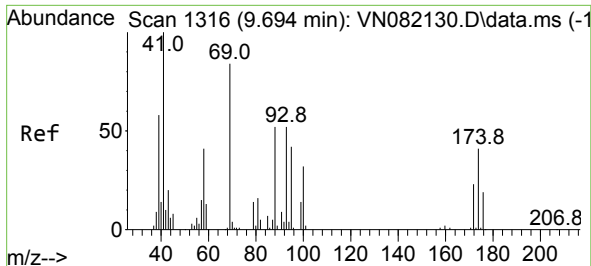
Ion Ratio Lower Upper

41 100

69 0.1 77.9 116.9#

39 58.2 50.9 76.3





#49

1,4-Dioxane

Concen: 4.636 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.053 min

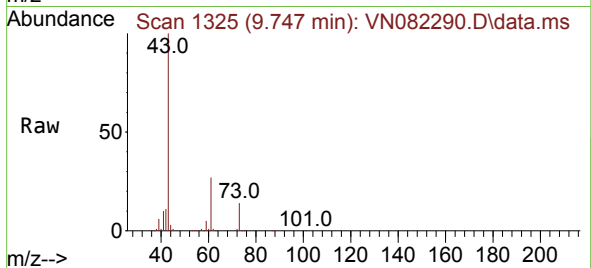
Lab File: VN082290.D

Acq: 22 May 2024 13:53

Instrument :

MSVOA_N

ClientSampleId :



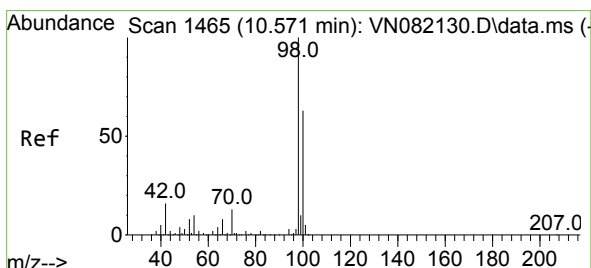
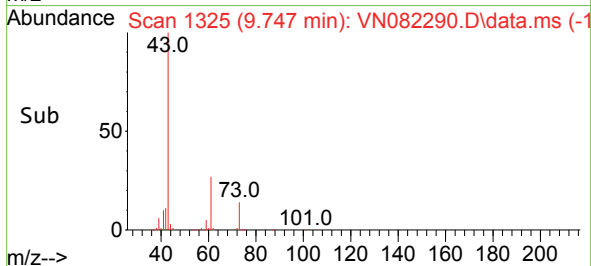
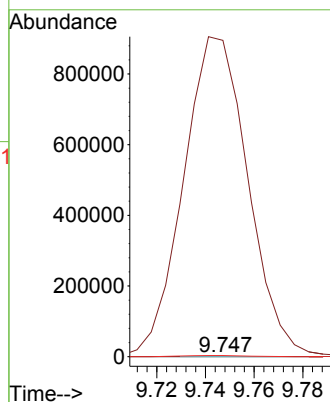
Tgt Ion: 88 Resp: 219

Ion Ratio Lower Upper

88 100

43 765539.3 19.0 28.6#

58 2899.5 50.6 76.0#



#50

Toluene-d8

Concen: 53.866 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082290.D

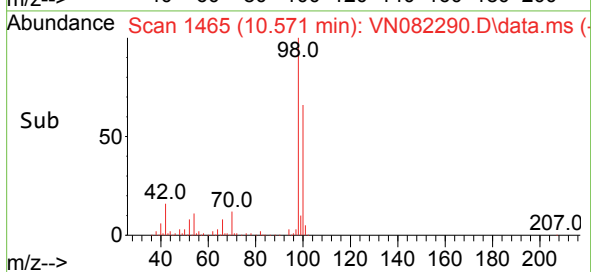
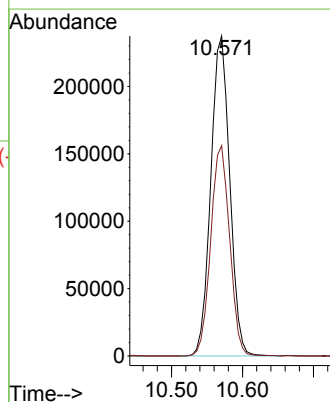
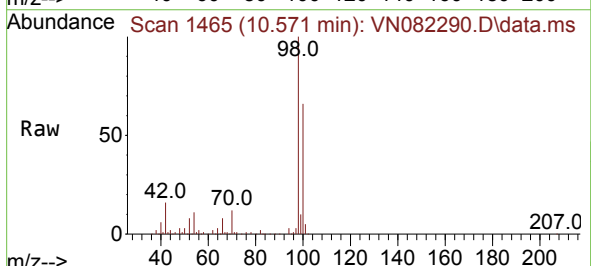
Acq: 22 May 2024 13:53

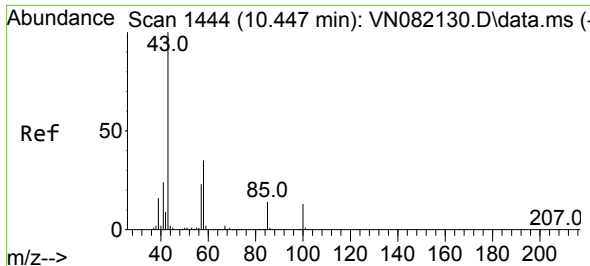
Tgt Ion: 98 Resp: 439307

Ion Ratio Lower Upper

98 100

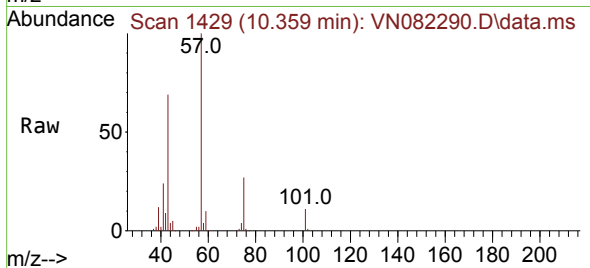
100 65.7 51.8 77.6



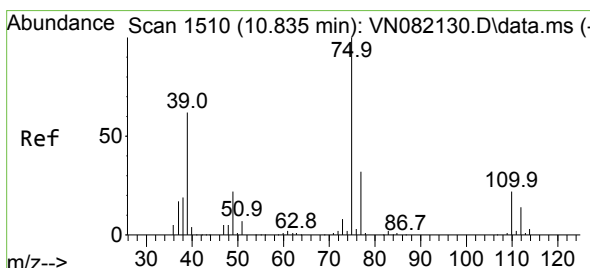
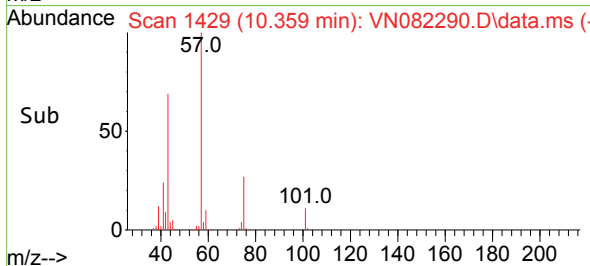
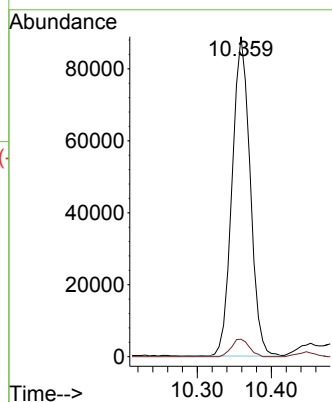


#51
4-Methyl-2-Pentanone
Concen: 37.259 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :

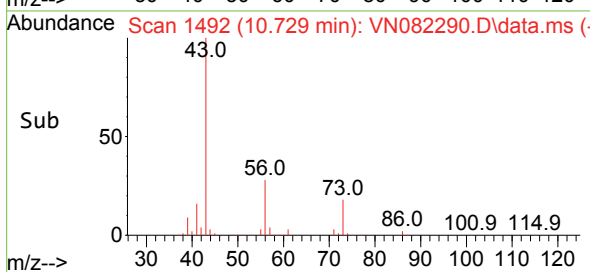
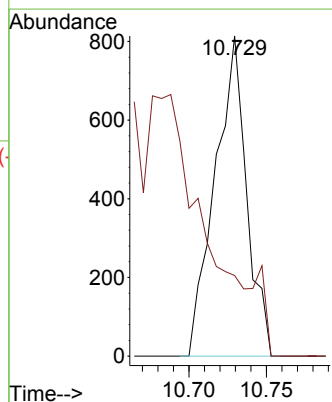
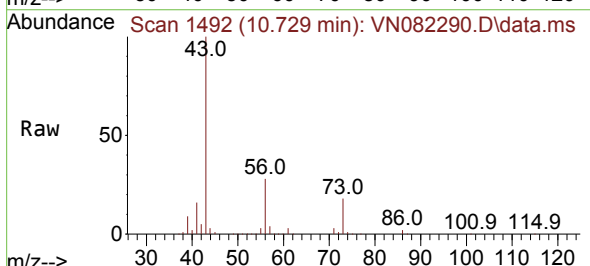


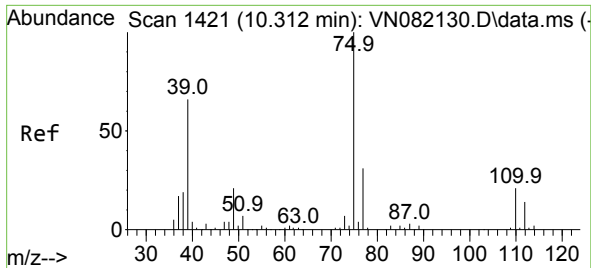
Tgt Ion: 43 Resp: 149766
Ion Ratio Lower Upper
43 100
58 5.4 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.293 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

Tgt Ion: 75 Resp: 1153
Ion Ratio Lower Upper
75 100
77 25.2 25.4 38.0#

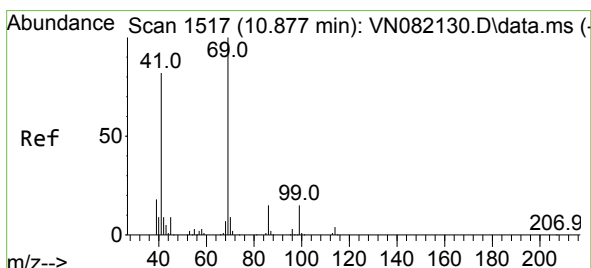
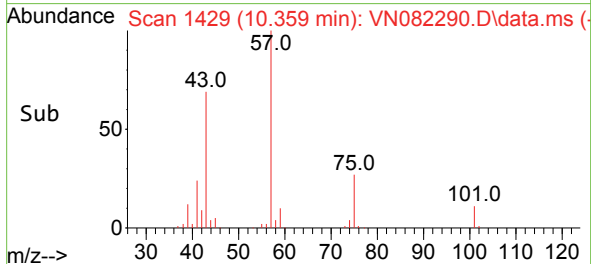
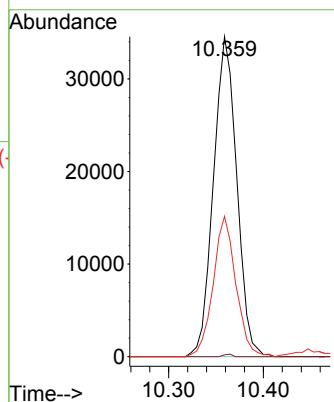
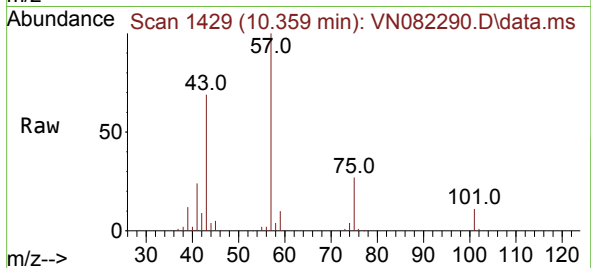




#54
 cis-1,3-Dichloropropene
 Concen: 14.180 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082290.D
 Acq: 22 May 2024 13:53

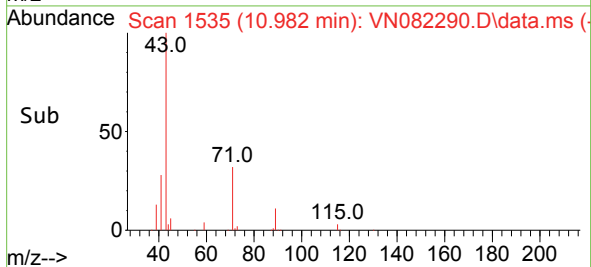
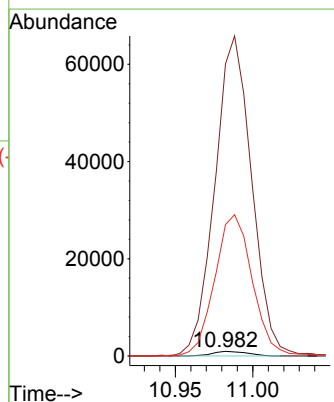
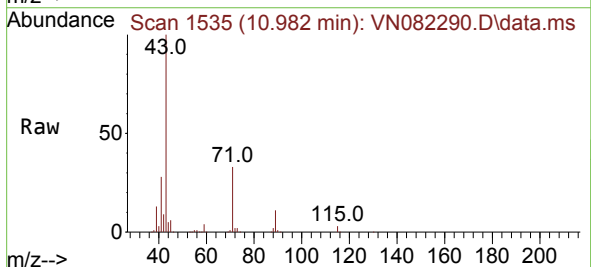
Instrument :
 MSVOA_N
 ClientSampleId :

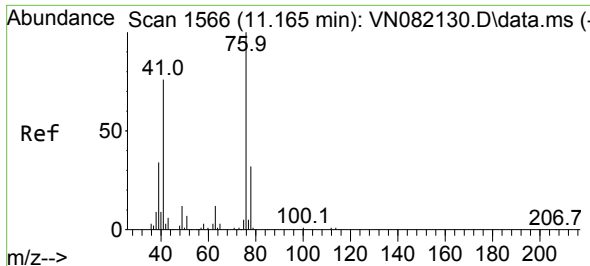
Tgt Ion: 75 Resp: 59060
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 43.9 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.377 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082290.D
 Acq: 22 May 2024 13:53

Tgt Ion: 69 Resp: 1486
 Ion Ratio Lower Upper
 69 100
 41 7344.0 46.6 70.0#
 39 3302.2 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.752 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.035 min

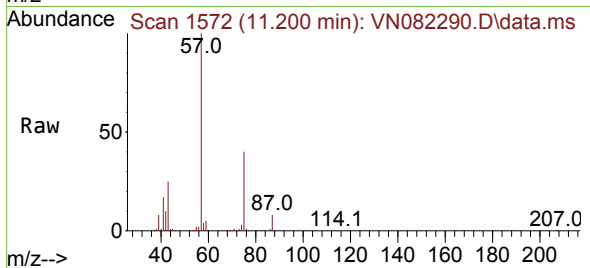
Lab File: VN082290.D

Acq: 22 May 2024 13:53

Instrument :

MSVOA_N

ClientSampleId :

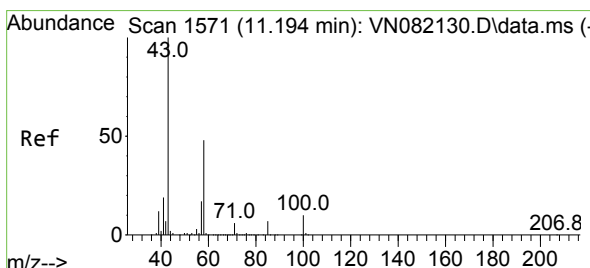
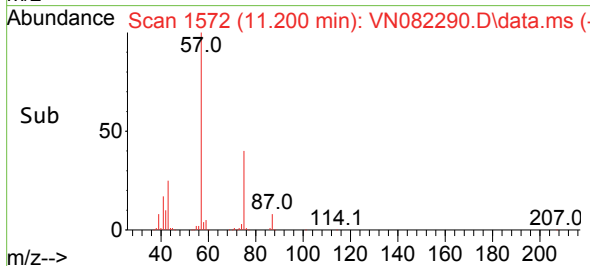
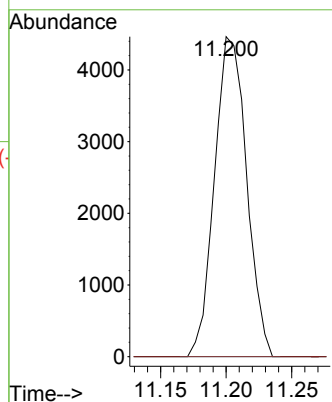


Tgt Ion: 76 Resp: 7601

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 53.942 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082290.D

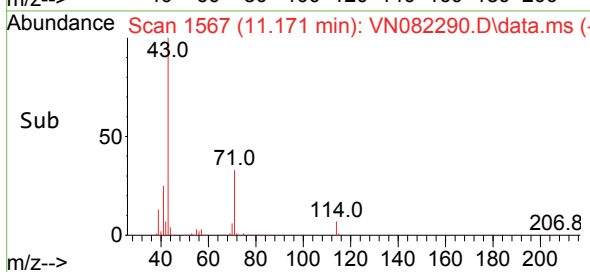
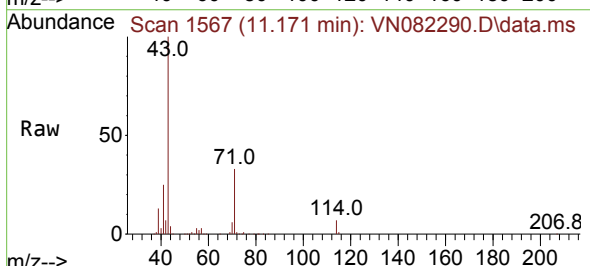
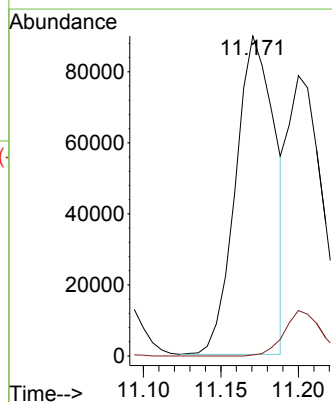
Acq: 22 May 2024 13:53

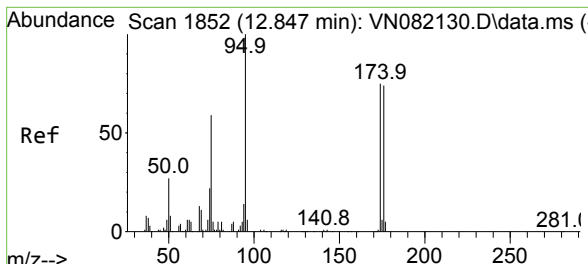
Tgt Ion: 43 Resp: 158760

Ion Ratio Lower Upper

43 100

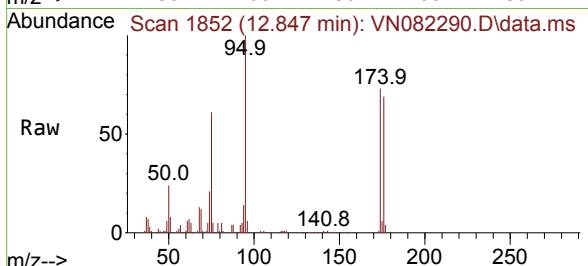
58 0.0 28.3 84.9#



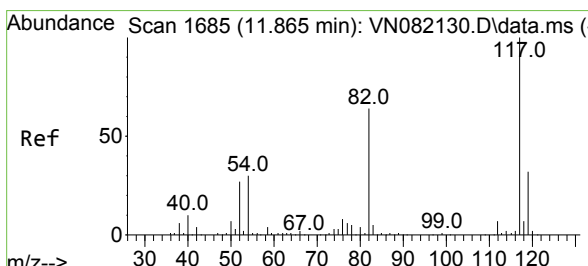
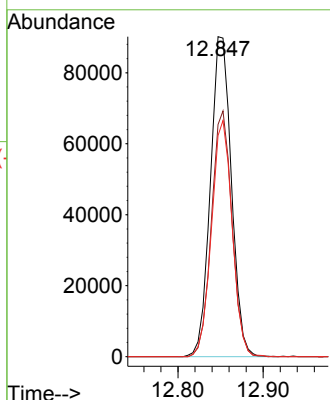
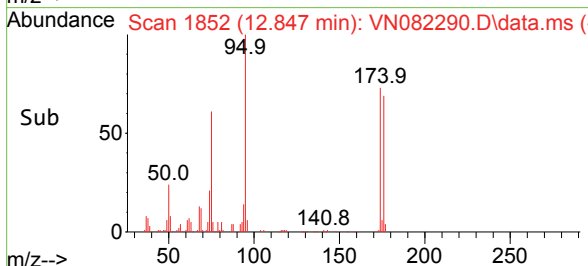


#62
 4-Bromofluorobenzene
 Concen: 52.935 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN082290.D
 Acq: 22 May 2024 13:53

Instrument :
 MSVOA_N
 ClientSampleId :

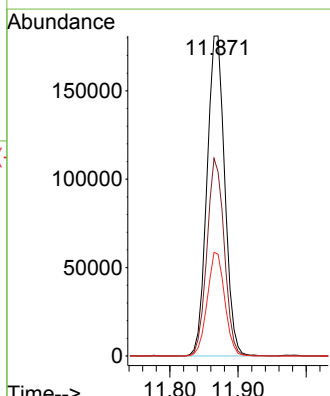
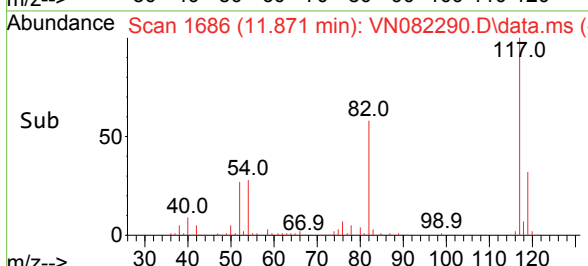
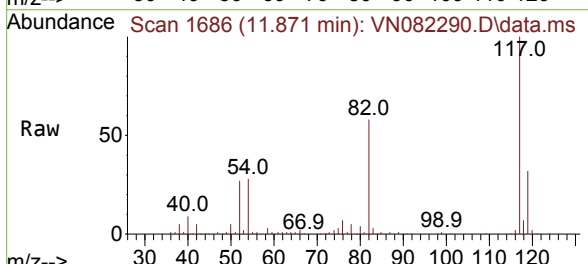


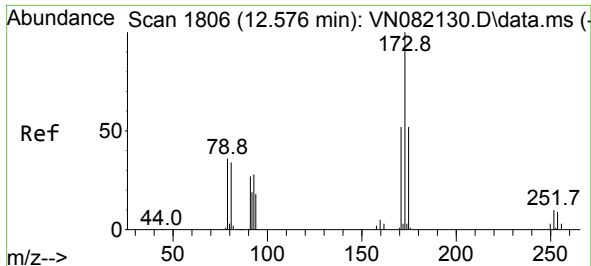
Tgt Ion:	95	Resp:	154088
Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	160.6
176	72.5	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN082290.D
 Acq: 22 May 2024 13:53

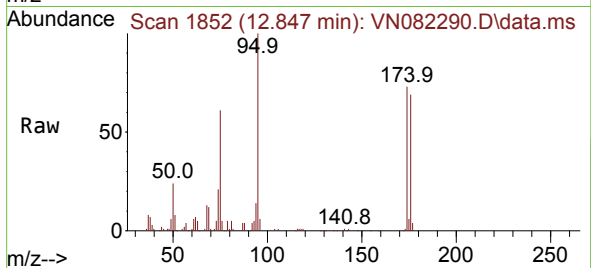
Tgt Ion:	117	Resp:	328649
Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.6	66.8
119	31.8	25.9	38.9



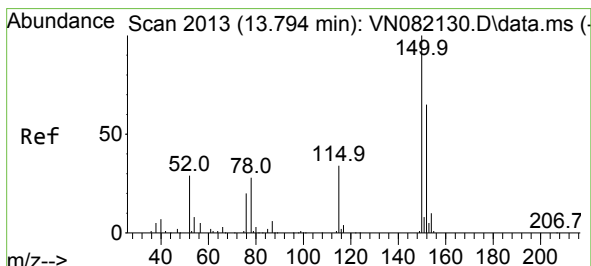
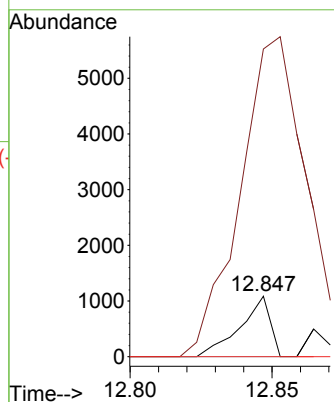
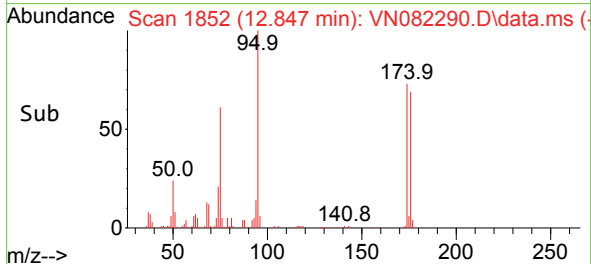


#71
Bromoform
Concen: 1.119 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

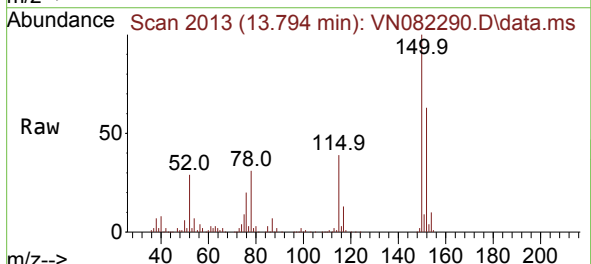
Instrument :
MSVOA_N
ClientSampleId :



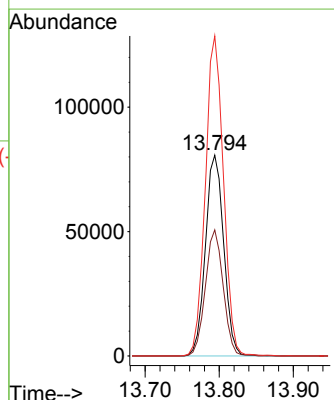
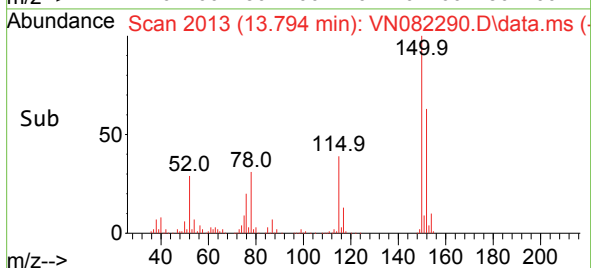
Tgt Ion:173 Resp: 806
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

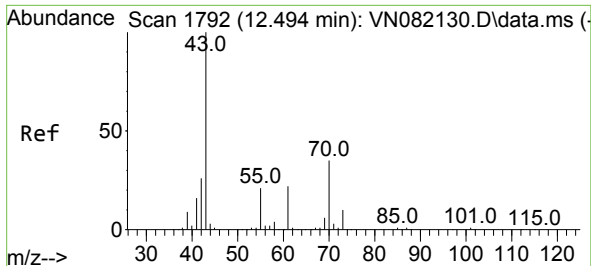


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53



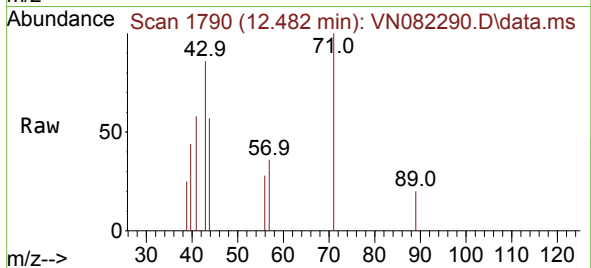
Tgt Ion:152 Resp: 138367
Ion Ratio Lower Upper
152 100
115 61.3 30.4 91.3
150 157.6 0.0 353.2



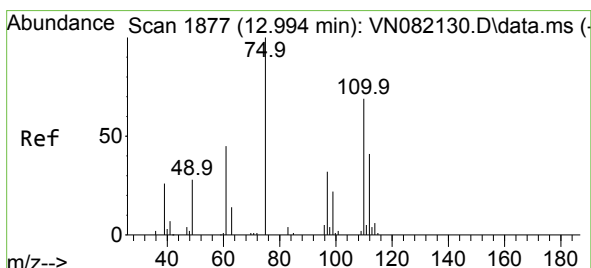
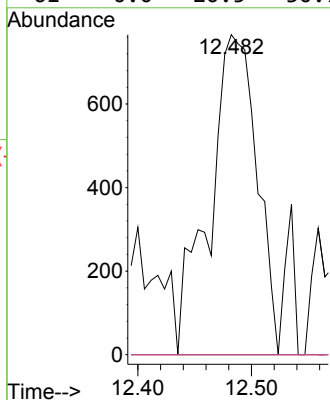
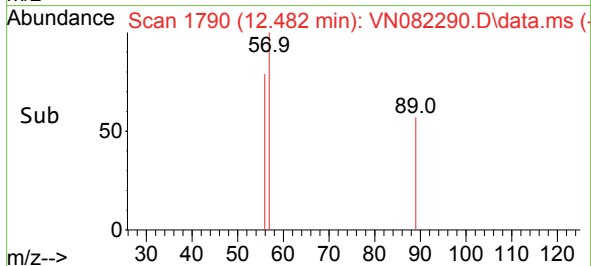


#74
N-amy1 acetate
Concen: 0.368 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :

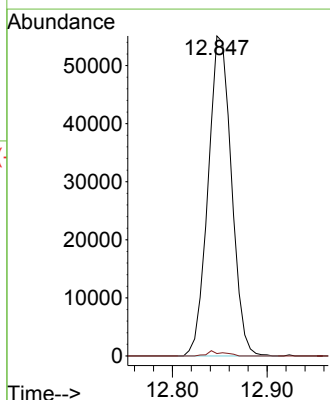
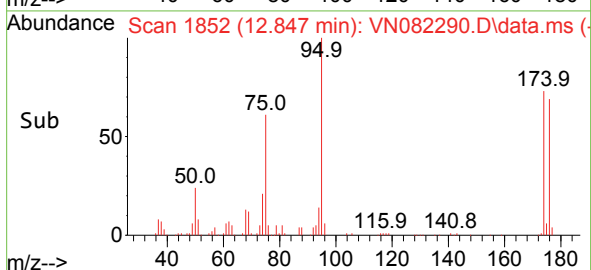
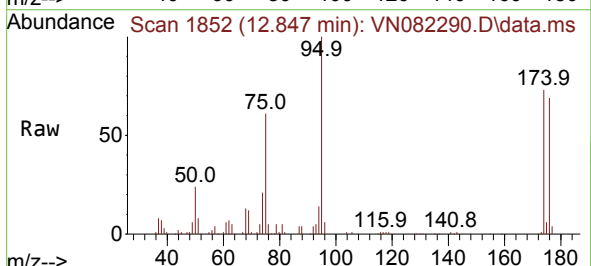


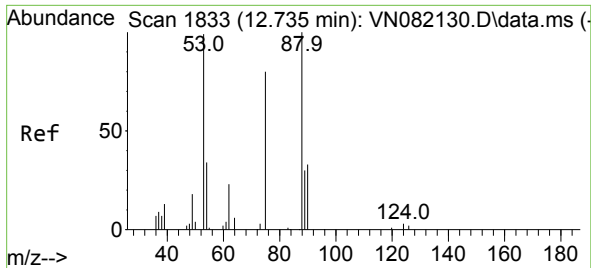
Tgt Ion: 43 Resp: 2227
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.3 31.9#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 32.407 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082290.D
Acq: 22 May 2024 13:53

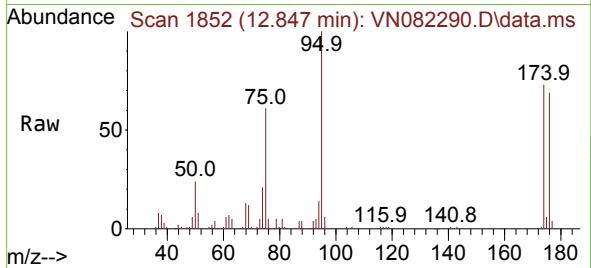
Tgt Ion: 75 Resp: 94378
Ion Ratio Lower Upper
75 100
77 1.1 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.798 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082290.D
 Acq: 22 May 2024 13:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 94378
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

