

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082196.D
 Acq On : 17 May 2024 22:10
 Operator : JC\MD
 Sample : P2497-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 280646

Quant Time: May 17 23:19:15 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

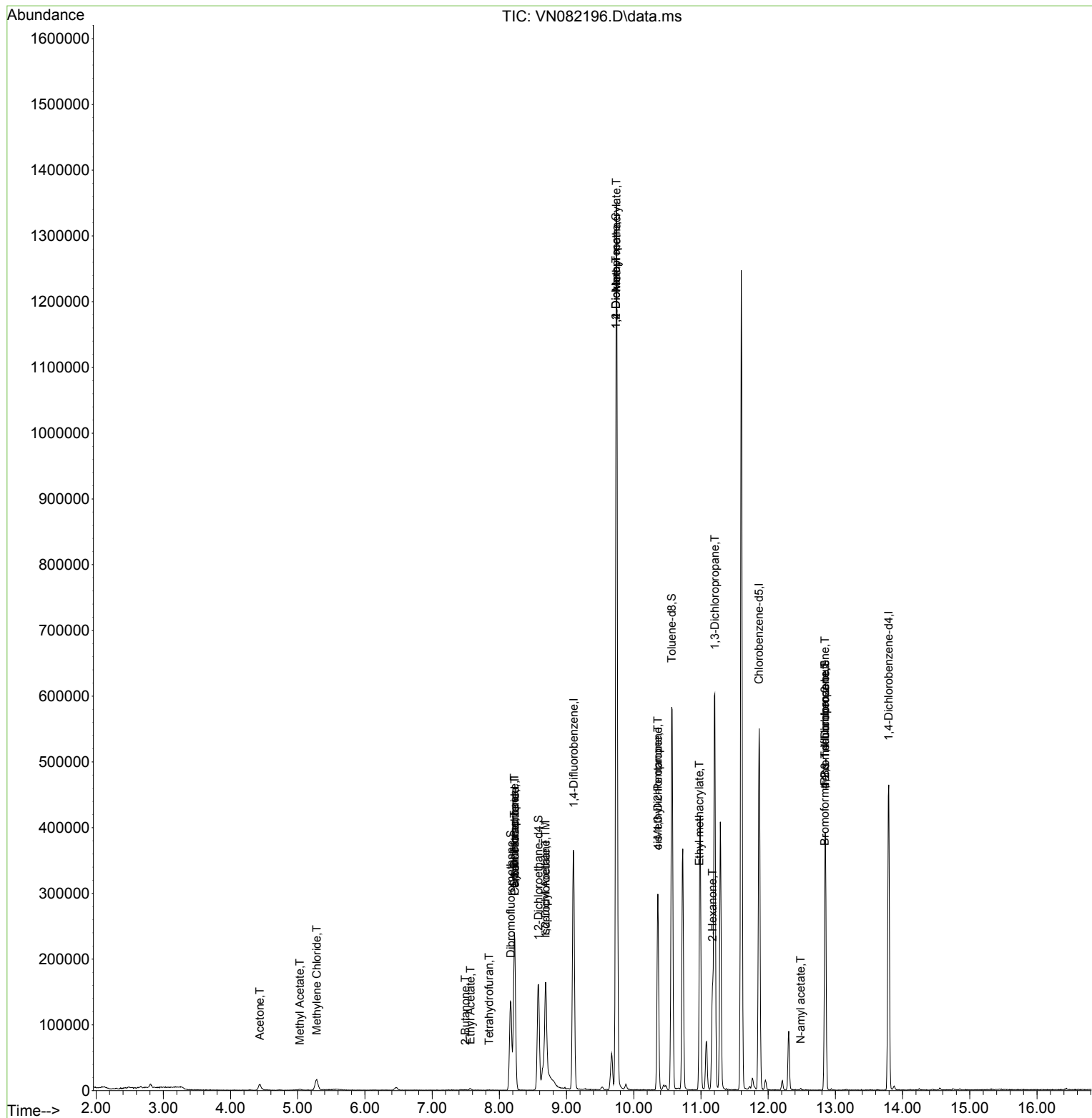
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	162736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	292353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	137872	53.654	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.300%	
35) Dibromofluoromethane	8.171	113	94063	52.303	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.600%	
50) Toluene-d8	10.565	98	382951	55.540	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.080%	
62) 4-Bromofluorobenzene	12.847	95	127127	51.657	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 103.320%	
Target Compounds						Qvalue
16) Acetone	4.436	43	17799	16.885	ug/l	98
18) Methyl Acetate	5.030	43	2881	1.097	ug/l #	55
20) Methylene Chloride	5.283	84	11575	5.442	ug/l #	80
25) 2-Butanone	7.494	43	1598	1.000	ug/l #	43
29) Tetrahydrofuran	7.847	42	341	0.332	ug/l #	41
31) Cyclohexane	8.224	56	4870	1.187	ug/l #	53
36) 1,1-Dichloropropene	8.224	75	15369	5.095	ug/l #	51
37) Ethyl Acetate	7.571	43	4031	1.194	ug/l #	76
38) Carbon Tetrachloride	8.229	117	18289	5.982	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	874	0.253	ug/l #	73
43) Isopropyl Acetate	8.688	43	246296	41.178	ug/l #	71
45) 1,2-Dichloropropane	9.735	63	1532	0.660	ug/l #	45
48) Methyl methacrylate	9.741	41	136418	47.865	ug/l #	38
49) 1,4-Dioxane	9.735	88	54	1.352	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	121130	35.644	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	45532	12.931	ug/l #	73
56) Ethyl methacrylate	10.976	69	1373	0.412	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5643	1.539	ug/l #	42
59) 2-Hexanone	11.170	43	131972	53.037	ug/l #	23
71) Bromoform	12.841	173	385	0.932	ug/l #	28
74) N-amyl acetate	12.482	43	1862	0.370	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	77328	31.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77328	74.520	ug/l #	12

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

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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
280646

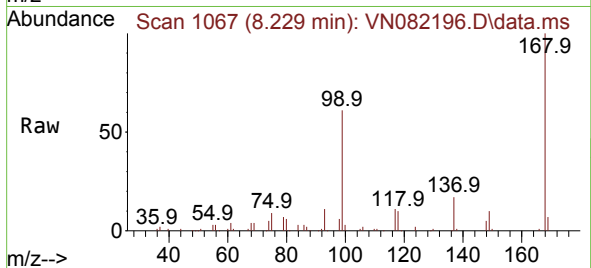
Quant Time: May 17 23:19:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



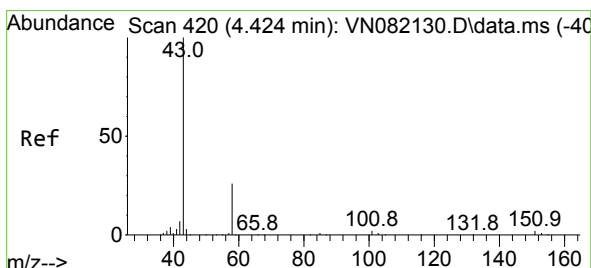
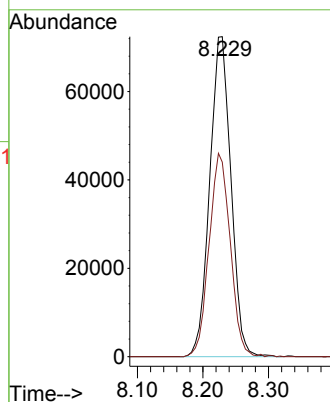
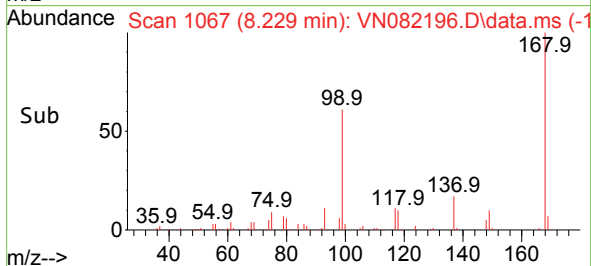


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

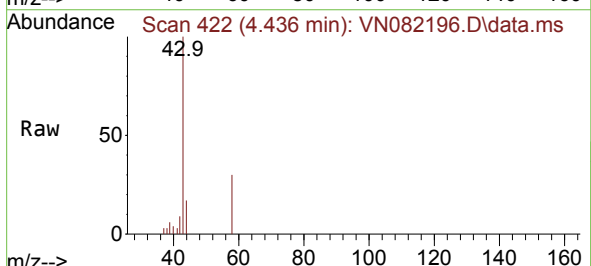
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MSVOA_N
ClientSampleId :
280646



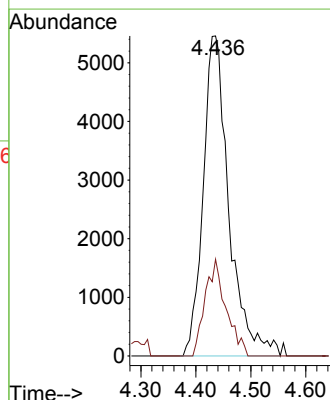
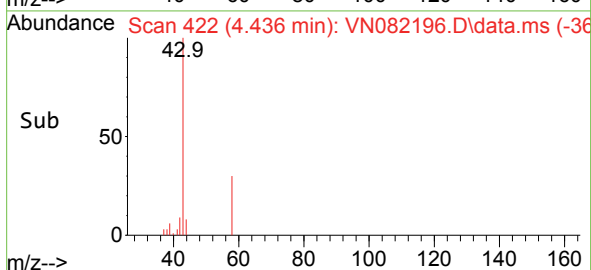
Tgt Ion:168 Resp: 162736
Ion Ratio Lower Upper
168 100
99 60.8 48.2 72.4

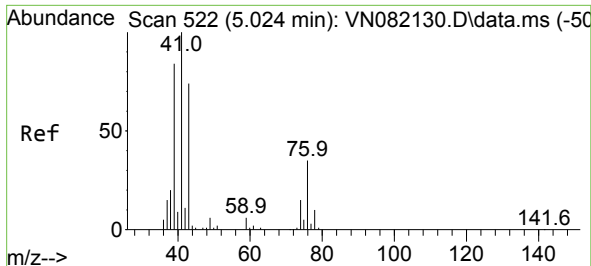


#16
Acetone
Concen: 16.885 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10



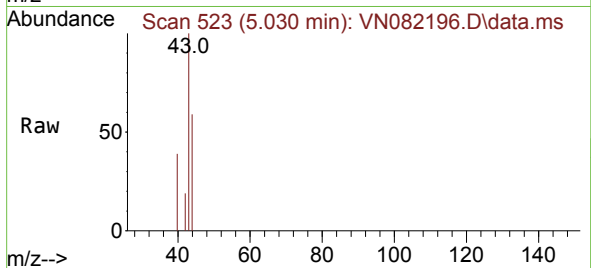
Tgt Ion: 43 Resp: 17799
Ion Ratio Lower Upper
43 100
58 30.2 25.2 37.8



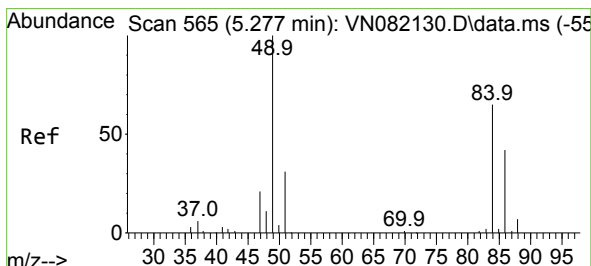
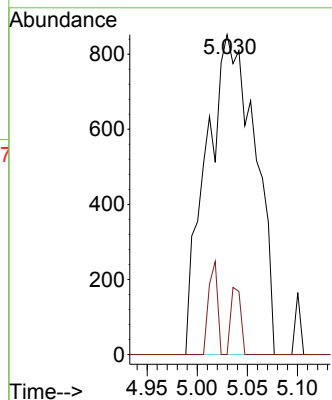
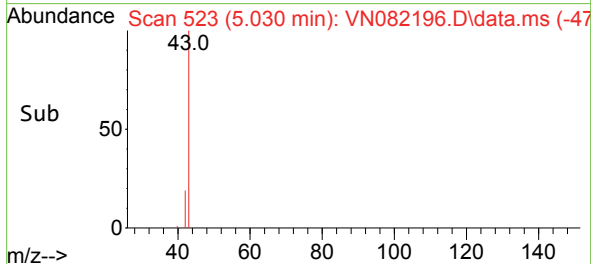


#18
Methyl Acetate
Concen: 1.097 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

Instrument :
MSVOA_N
ClientSampleId :
280646

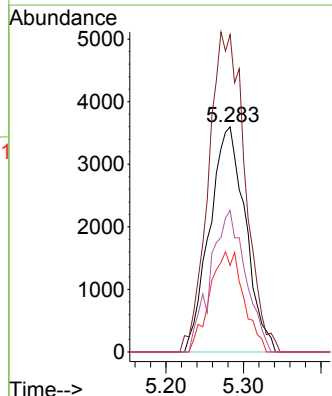
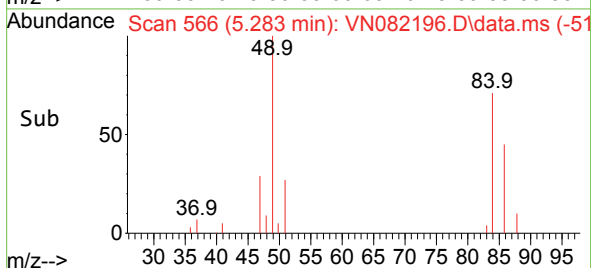
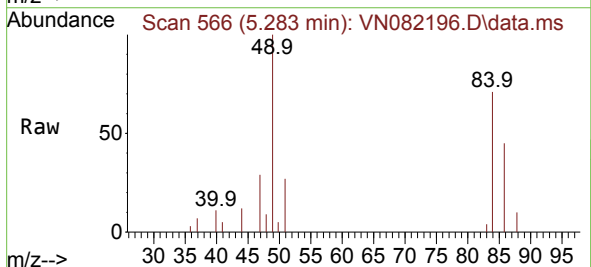


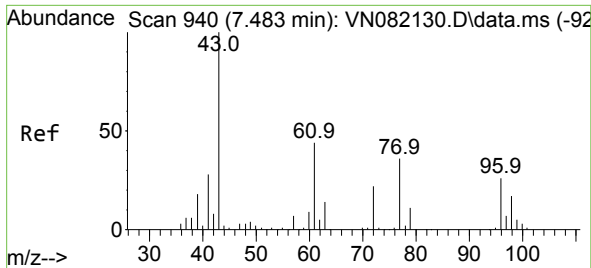
Tgt Ion: 43 Resp: 2881
Ion Ratio Lower Upper
43 100
74 4.2 22.2 33.2#



#20
Methylene Chloride
Concen: 5.442 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

Tgt Ion: 84 Resp: 11575
Ion Ratio Lower Upper
84 100
49 140.9 84.9 127.3#
51 38.5 27.0 40.6
86 62.8 52.3 78.5

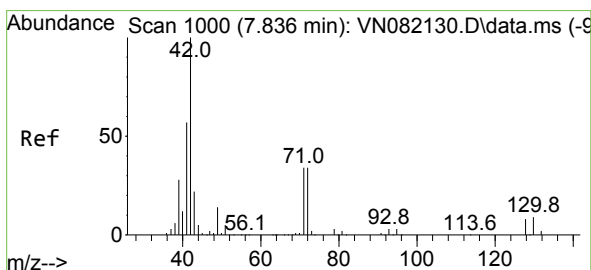
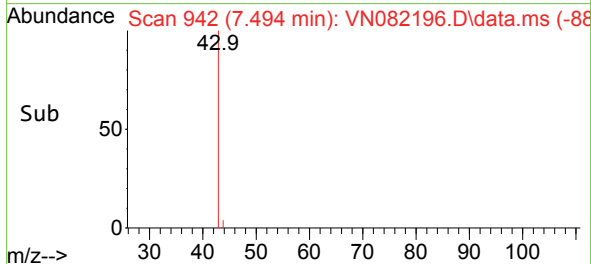
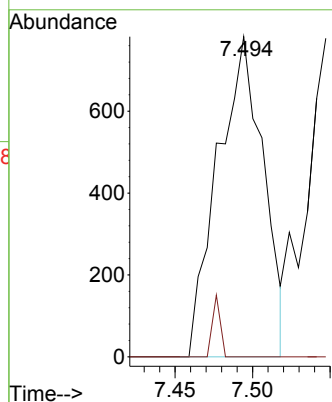
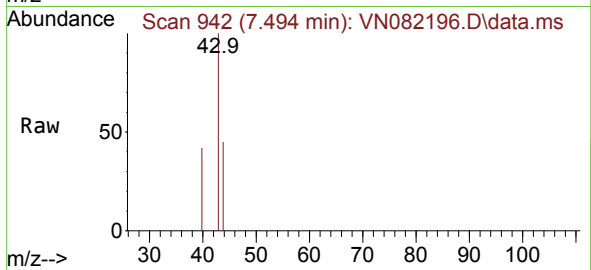




#25
2-Butanone
Concen: 1.000 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

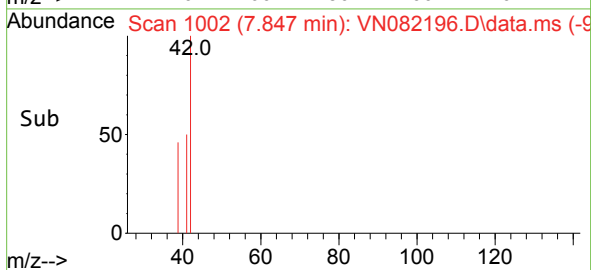
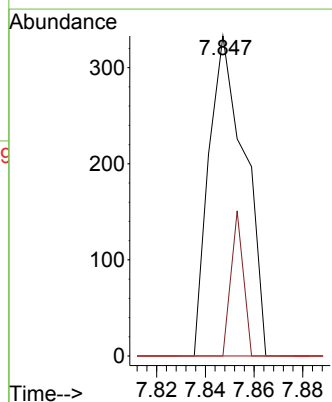
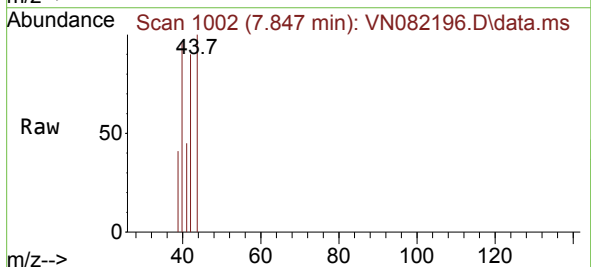
Instrument :
MSVOA_N
ClientSampleId :
280646

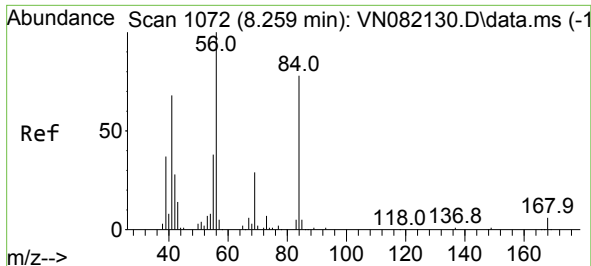
Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.332 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

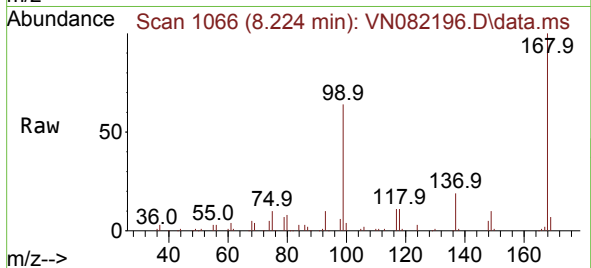
Tgt Ion: 42 Resp: 341
Ion Ratio Lower Upper
42 100
72 15.5 39.3 58.9#
71 0.0 37.4 56.0#



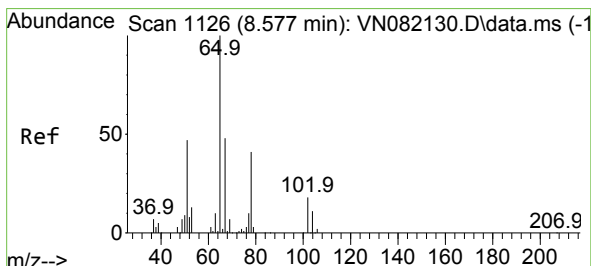
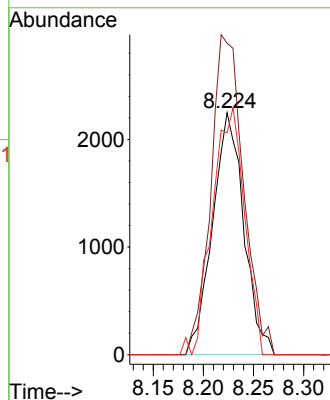
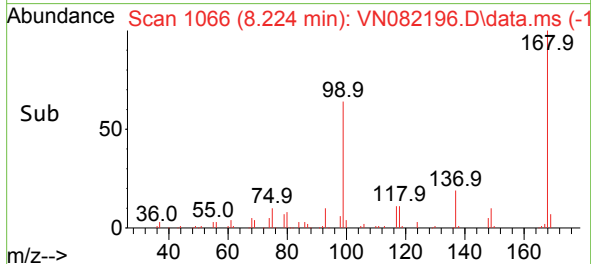


#31
Cyclohexane
Concen: 1.187 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

Instrument :
MSVOA_N
ClientSampleId :
280646

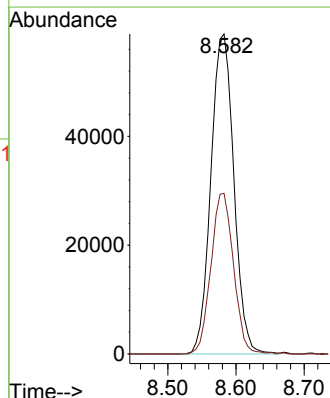
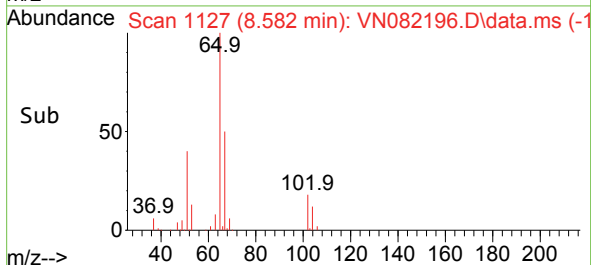
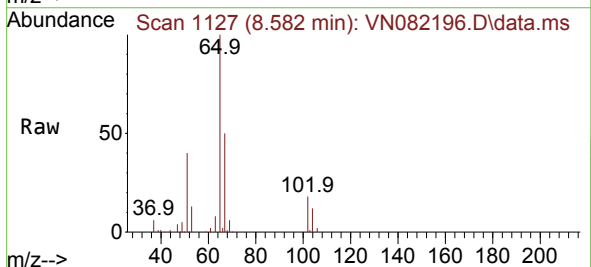


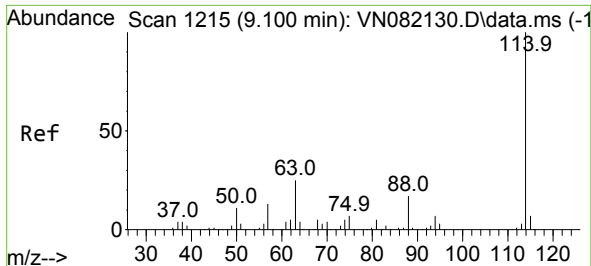
Tgt Ion: 56 Resp: 4870
Ion Ratio Lower Upper
56 100
69 128.8 24.4 36.6#
84 91.7 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 53.654 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

Tgt Ion: 65 Resp: 137872
Ion Ratio Lower Upper
65 100
67 49.4 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: VN082196.D

Acq: 17 May 2024 22:10

Instrument :

MSVOA_N

ClientSampleId :

280646

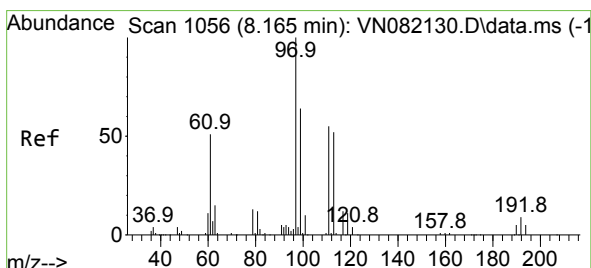
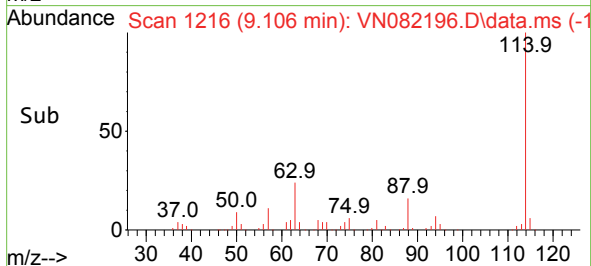
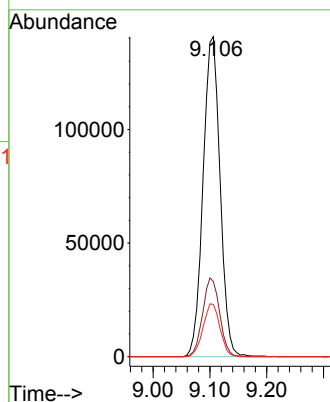
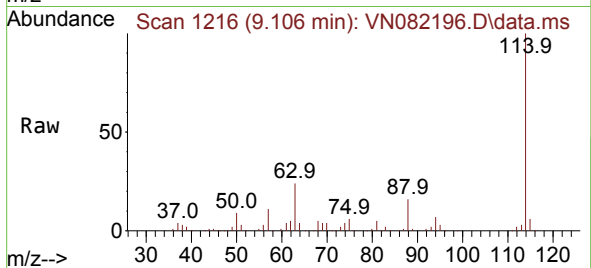
Tgt Ion:114 Resp: 292353

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.0

88 16.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.303 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082196.D

Acq: 17 May 2024 22:10

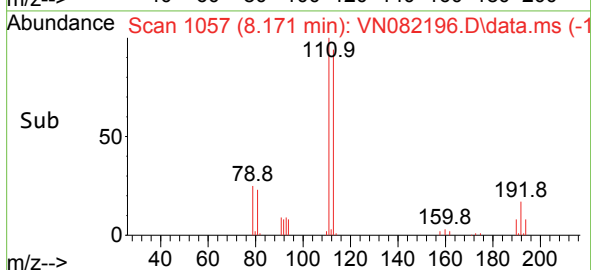
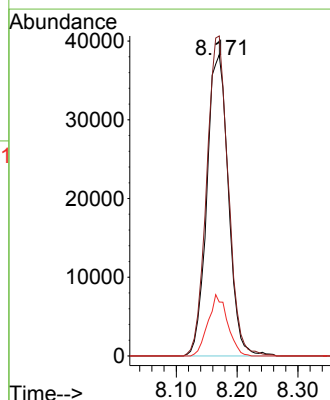
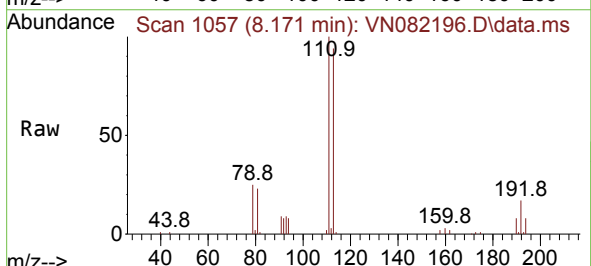
Tgt Ion:113 Resp: 94063

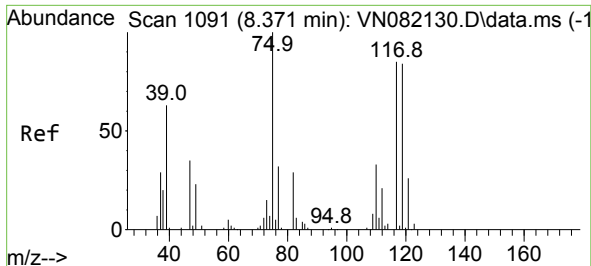
Ion Ratio Lower Upper

113 100

111 106.3 83.4 125.2

192 18.5 14.0 21.0

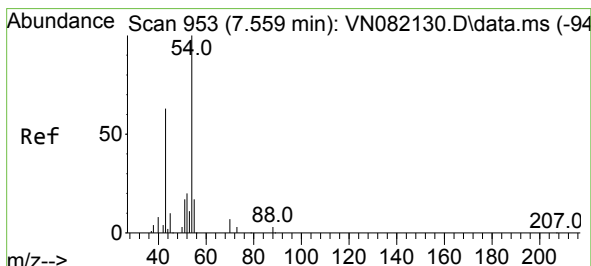
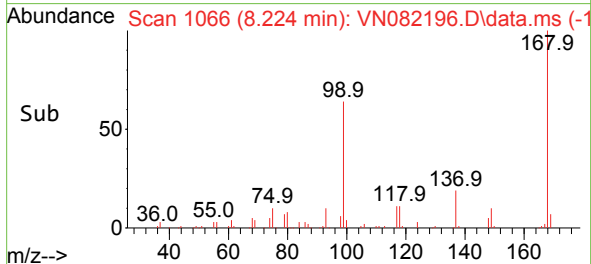
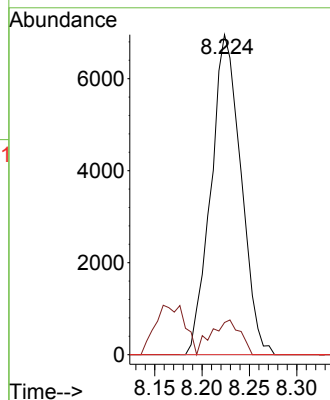
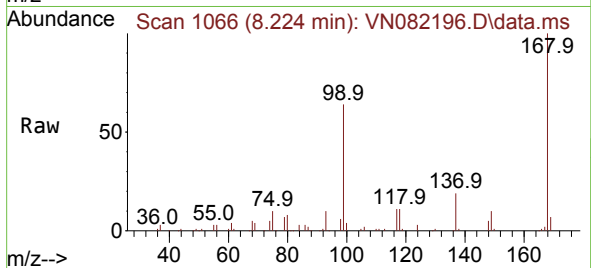




#36
1,1-Dichloropropene
Concen: 5.095 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

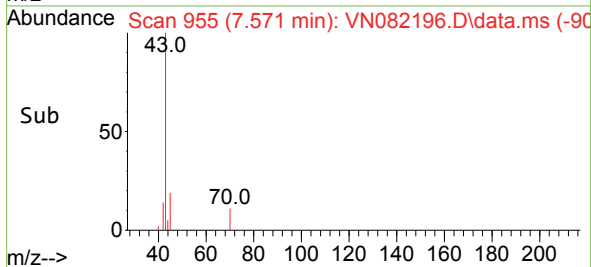
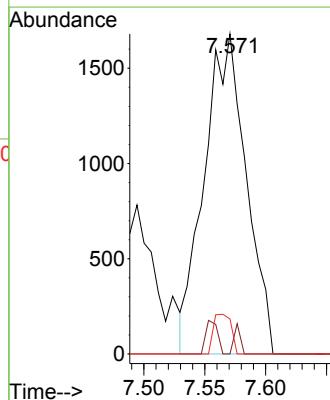
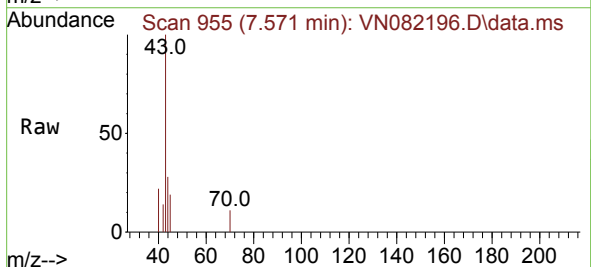
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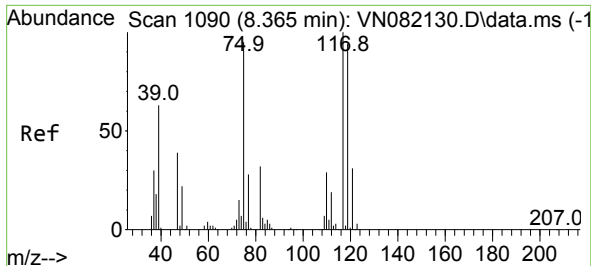
Tgt Ion: 75 Resp: 15369
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.194 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

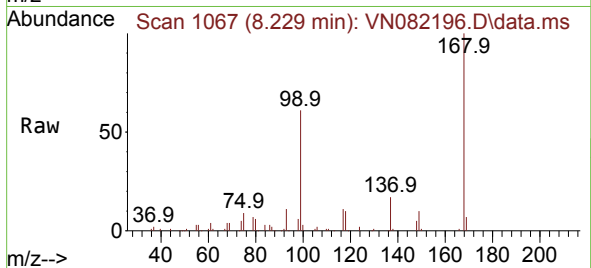
Tgt Ion: 43 Resp: 4031
Ion Ratio Lower Upper
43 100
61 1.4 11.3 16.9#
70 5.2 8.7 13.1#



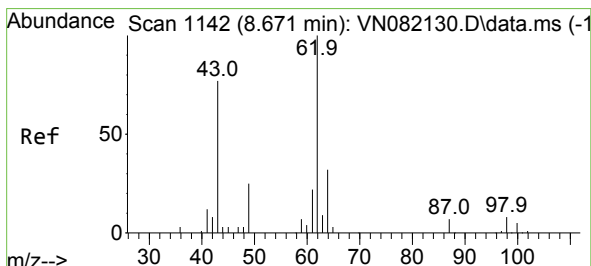
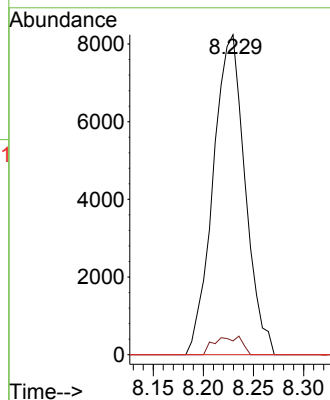
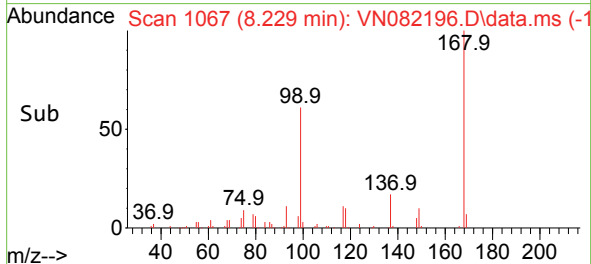


#38
Carbon Tetrachloride
Concen: 5.982 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

Instrument :
MSVOA_N
ClientSampleId :
280646

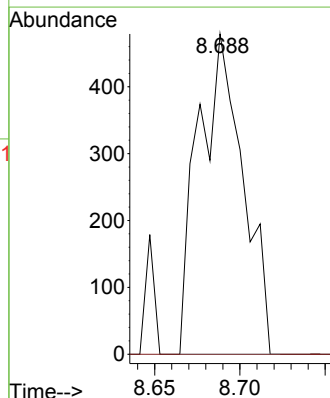
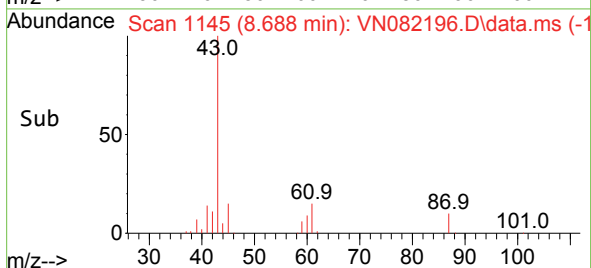
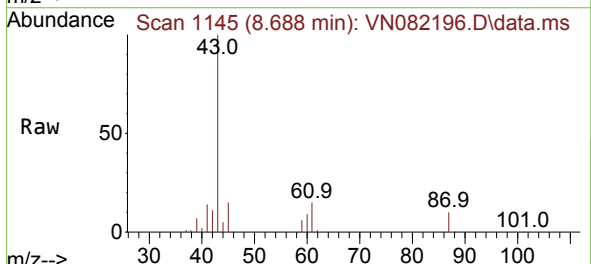


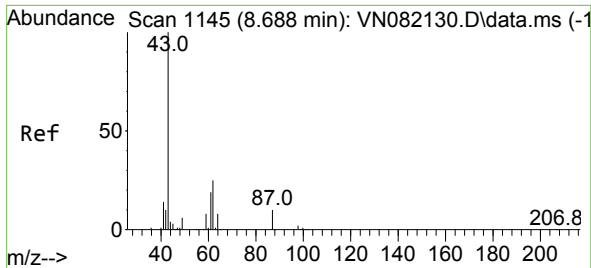
Tgt Ion:117 Resp: 18289
Ion Ratio Lower Upper
117 100
119 4.3 76.5 114.7#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.253 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

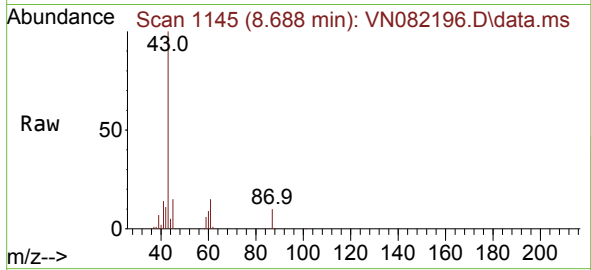
Tgt Ion: 62 Resp: 874
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



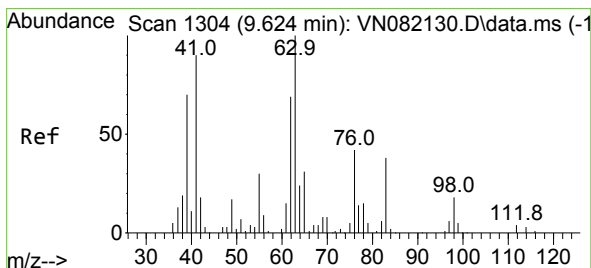
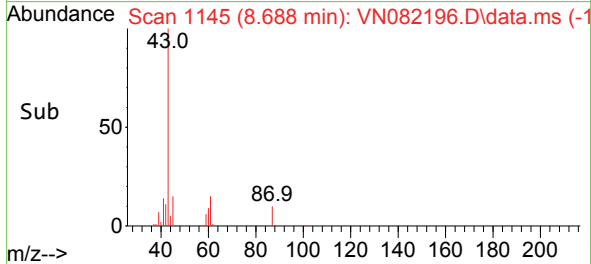
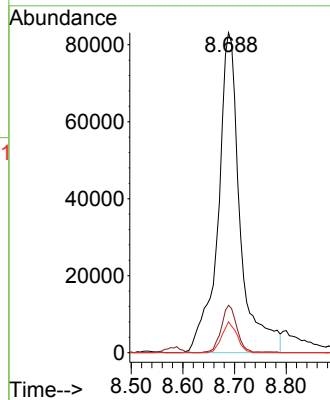


#43
Isopropyl Acetate
Concen: 41.178 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

Instrument :
MSVOA_N
ClientSampleId :
280646

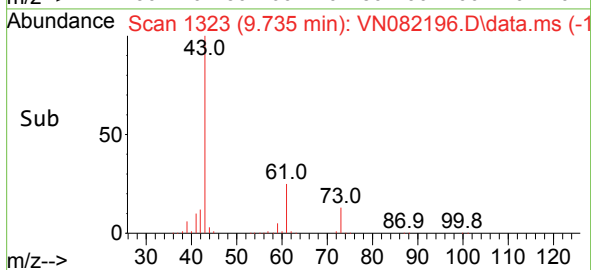
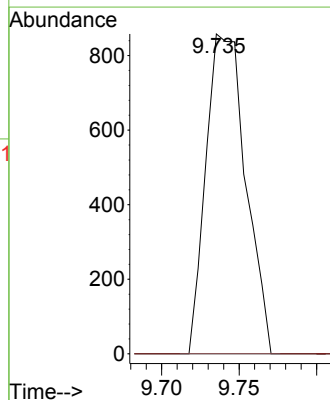
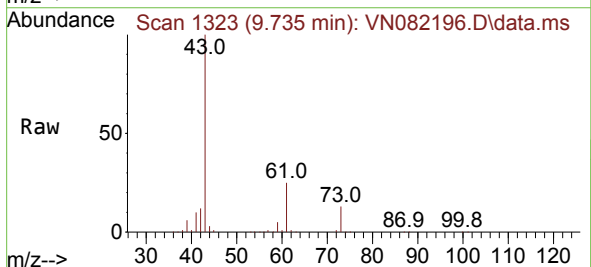


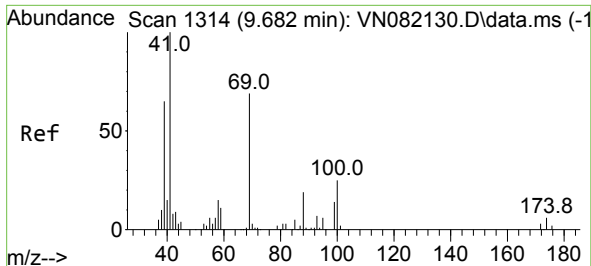
Tgt Ion: 43 Resp: 246296
Ion Ratio Lower Upper
43 100
61 10.6 22.8 34.2#
87 6.6 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.660 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

Tgt Ion: 63 Resp: 1532
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

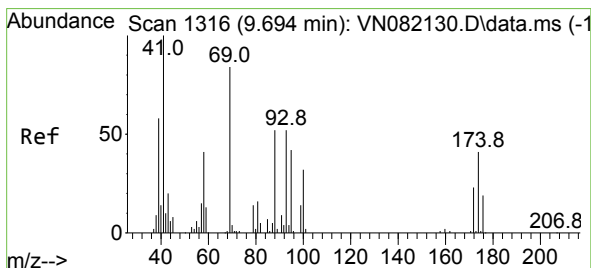
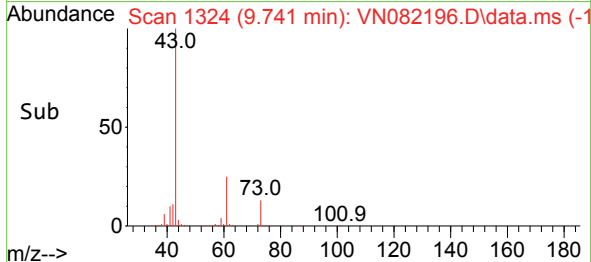
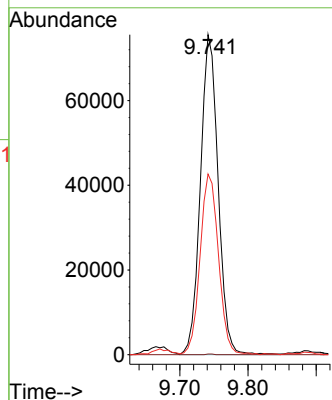
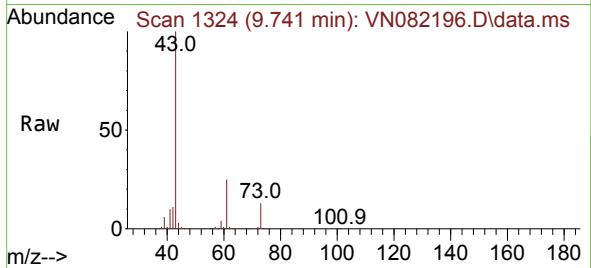




#48
Methyl methacrylate
Concen: 47.865 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

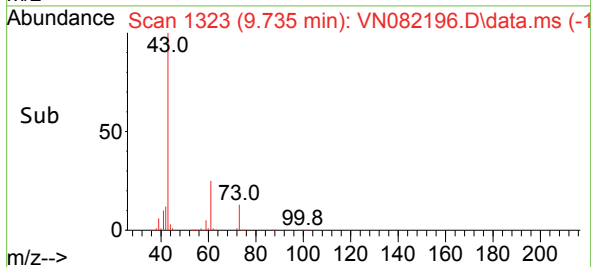
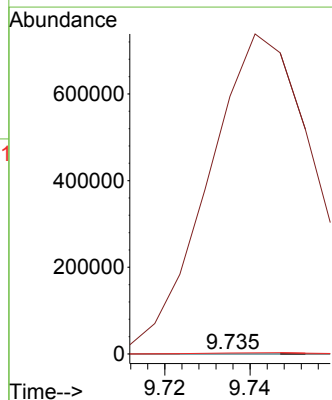
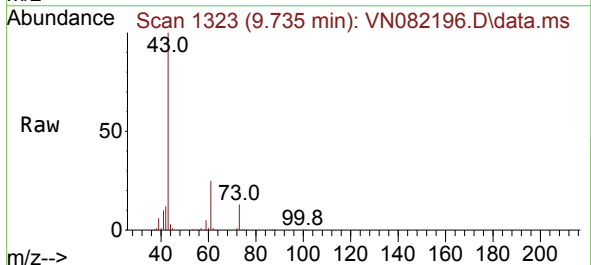
Instrument :
MSVOA_N
ClientSampleId :
280646

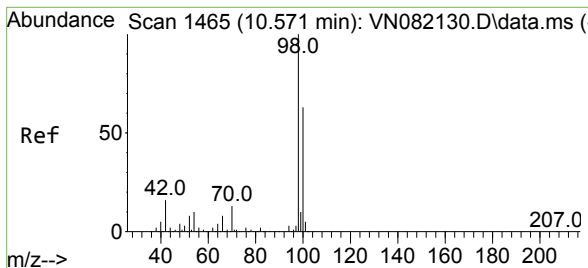
Tgt Ion: 41 Resp: 136418
Ion Ratio Lower Upper
41 100
69 0.1 77.9 116.9#
39 58.7 50.9 76.3



#49
1,4-Dioxane
Concen: 1.352 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 2452918.5 19.0 28.6#
58 9963.0 50.6 76.0#





#50

Toluene-d8

Concen: 55.540 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN082196.D

Acq: 17 May 2024 22:10

Instrument :

MSVOA_N

ClientSampleId :

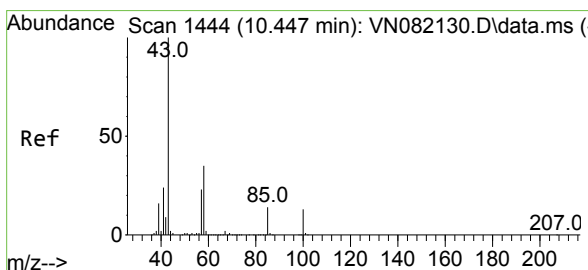
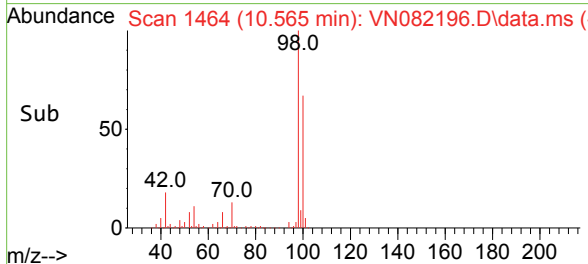
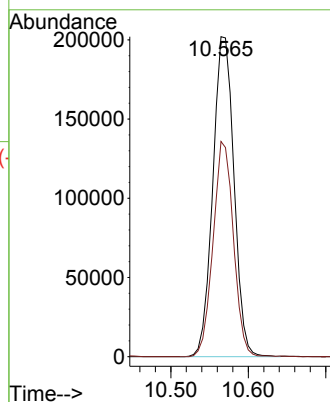
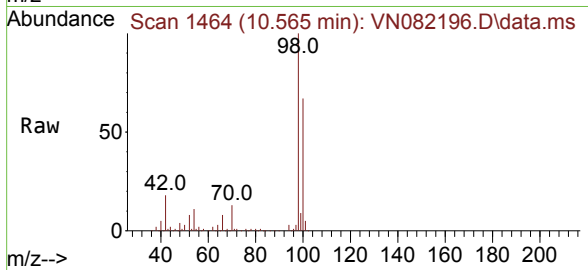
280646

Tgt Ion: 98 Resp: 382951

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 35.644 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. -0.088 min

Lab File: VN082196.D

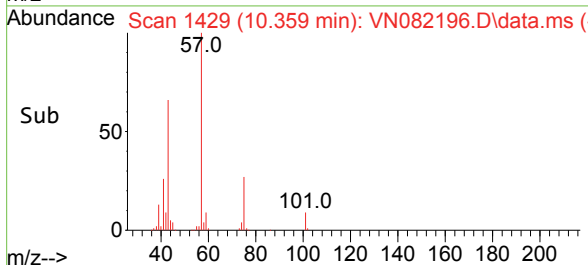
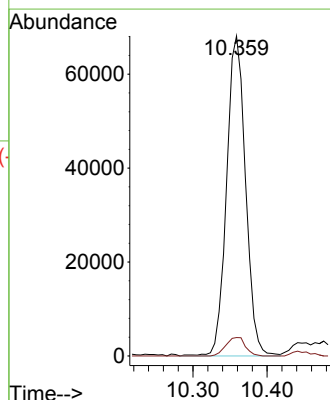
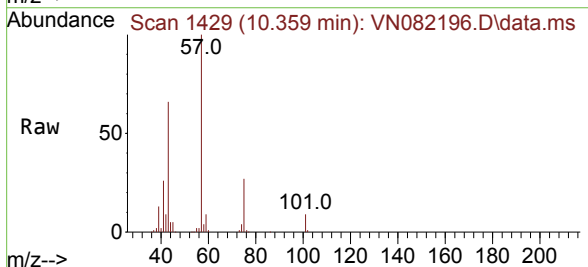
Acq: 17 May 2024 22:10

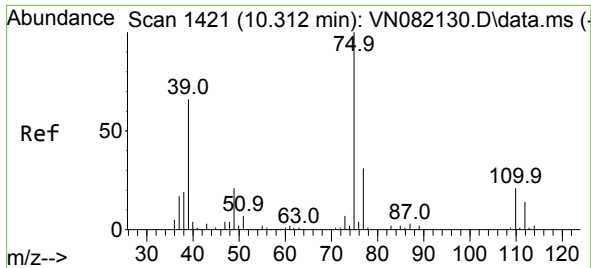
Tgt Ion: 43 Resp: 121130

Ion Ratio Lower Upper

43 100

58 6.0 33.2 49.8#

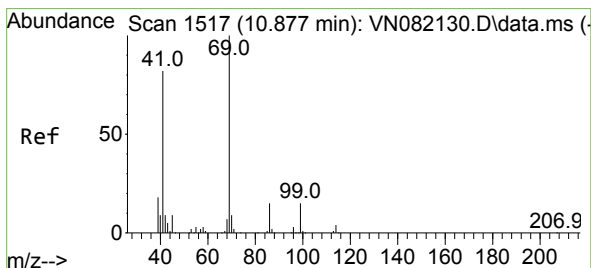
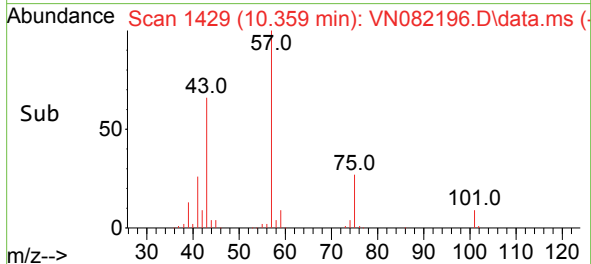
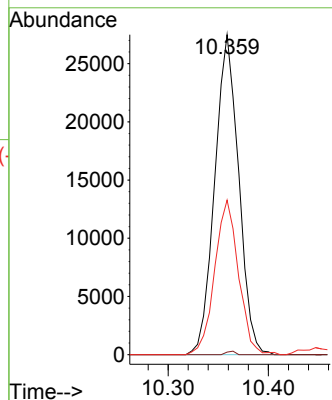
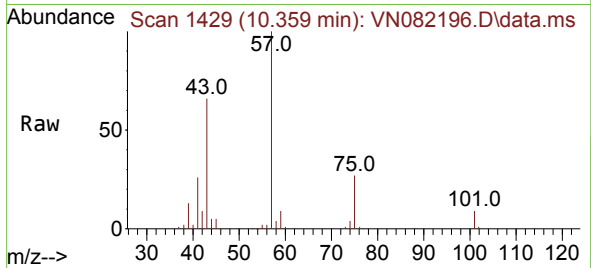




#54
 cis-1,3-Dichloropropene
 Concen: 12.931 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082196.D
 Acq: 17 May 2024 22:10

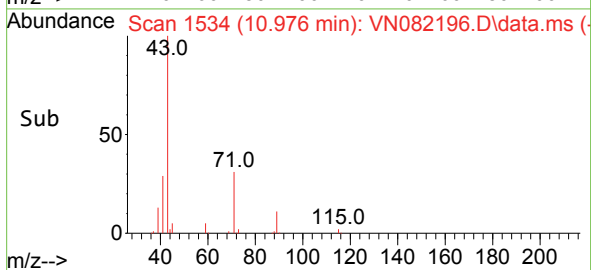
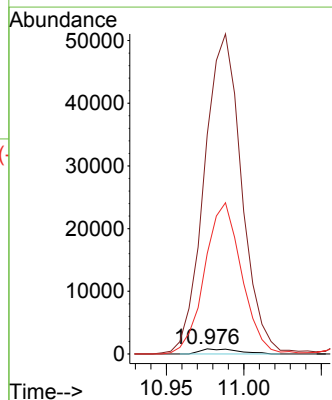
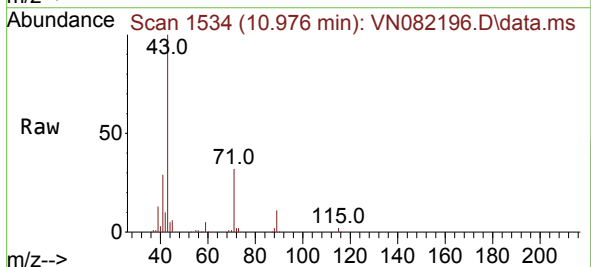
Instrument :
 MSVOA_N
 ClientSampleId :
 280646

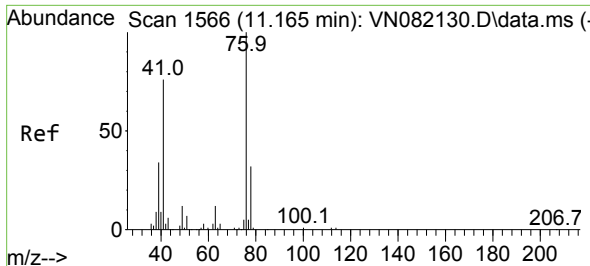
Tgt Ion: 75 Resp: 45532
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.4#
 39 48.3 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.412 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.100 min
 Lab File: VN082196.D
 Acq: 17 May 2024 22:10

Tgt Ion: 69 Resp: 1373
 Ion Ratio Lower Upper
 69 100
 41 6280.8 46.6 70.0#
 39 2918.3 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.539 ug/l

RT: 11.206 min Scan# 1567

Delta R.T. 0.041 min

Lab File: VN082196.D

Acq: 17 May 2024 22:10

Instrument :

MSVOA_N

ClientSampleId :

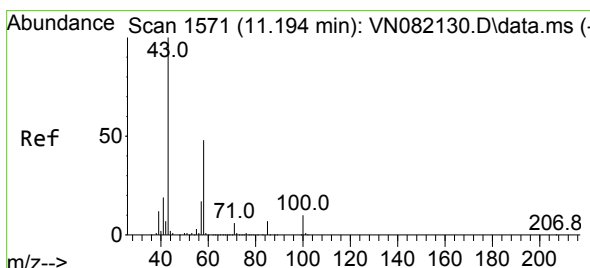
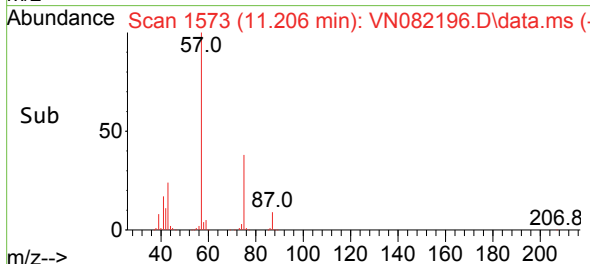
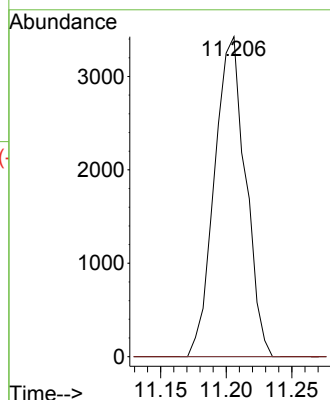
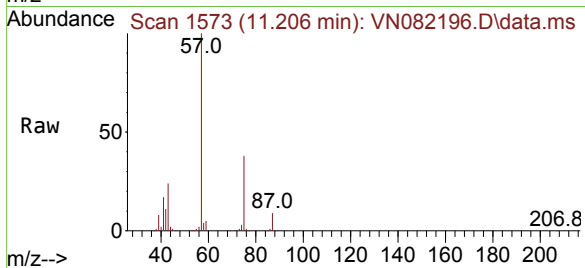
280646

Tgt Ion: 76 Resp: 5643

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 53.037 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082196.D

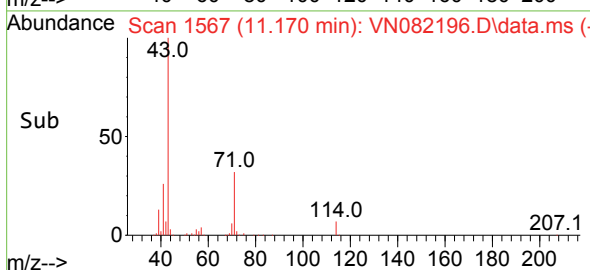
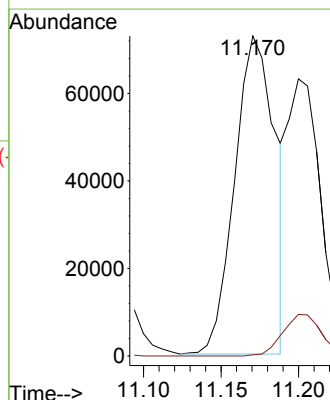
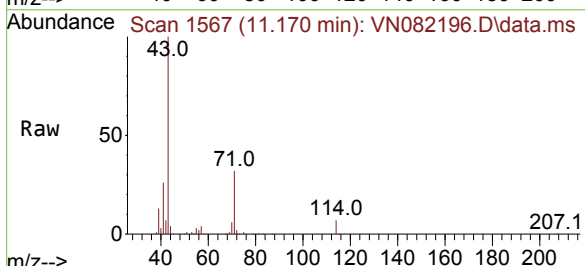
Acq: 17 May 2024 22:10

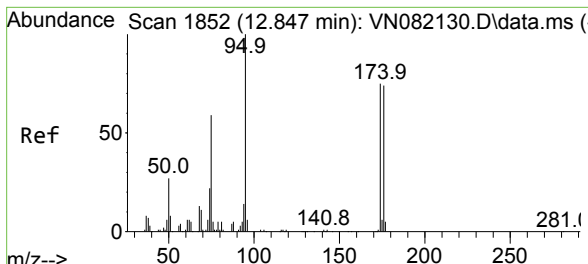
Tgt Ion: 43 Resp: 131972

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

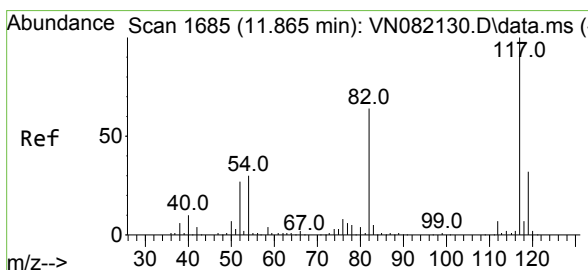
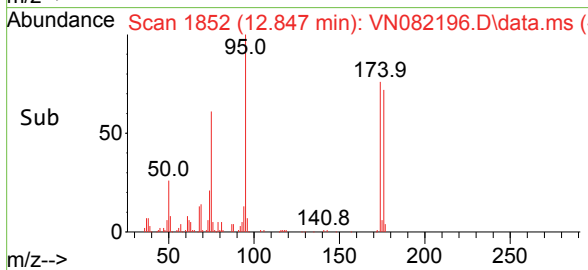
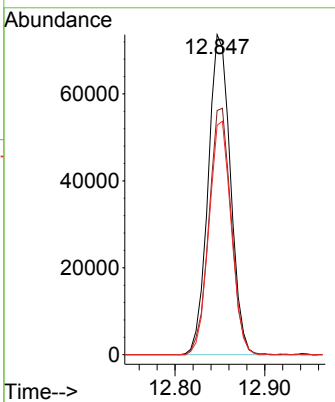
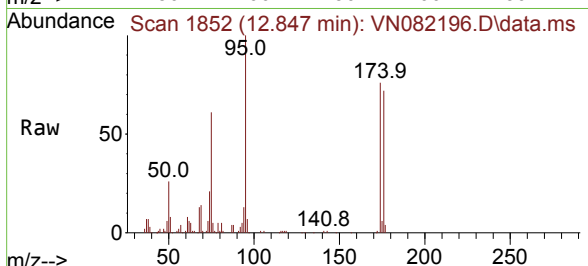




#62
 4-Bromofluorobenzene
 Concen: 51.657 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN082196.D
 Acq: 17 May 2024 22:10

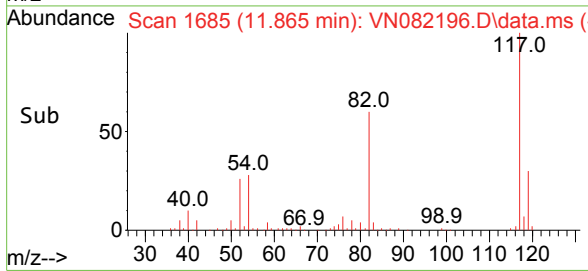
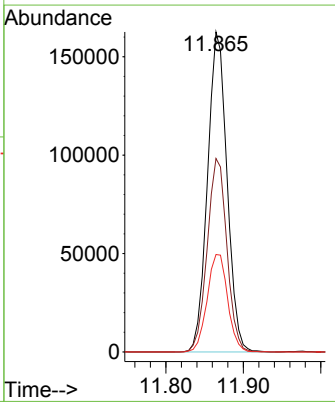
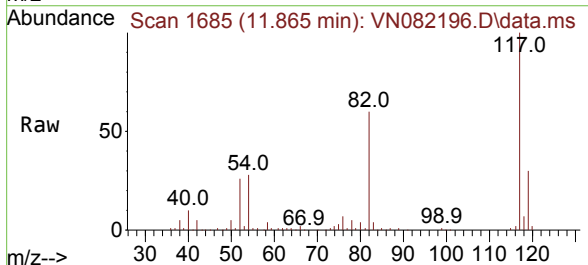
Instrument :
 MSVOA_N
 ClientSampleId :
 280646

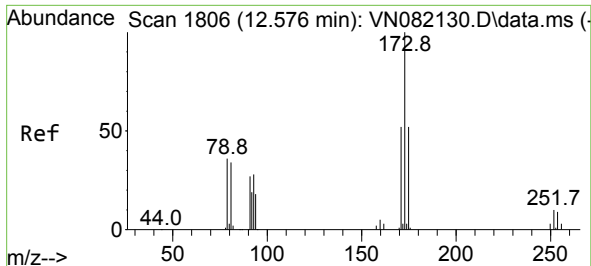
Tgt Ion:	95	Resp:	127127
Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	160.6
176	72.7	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN082196.D
 Acq: 17 May 2024 22:10

Tgt Ion:	117	Resp:	284372
Ion	Ratio	Lower	Upper
117	100		
82	60.4	44.6	66.8
119	30.5	25.9	38.9

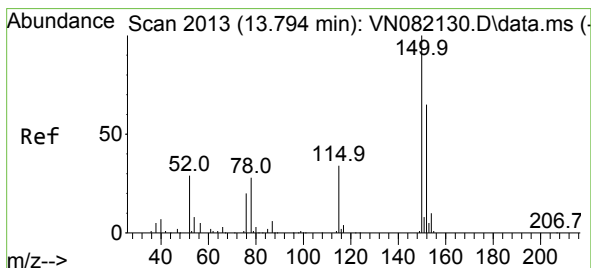
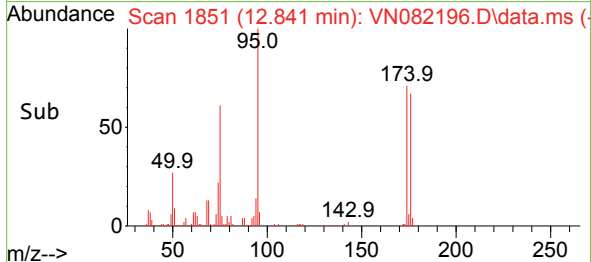
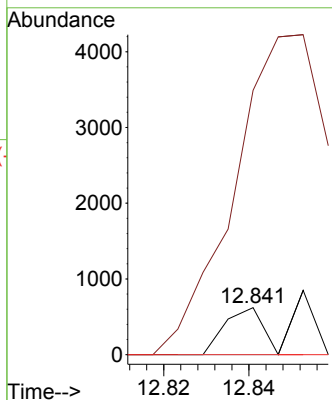
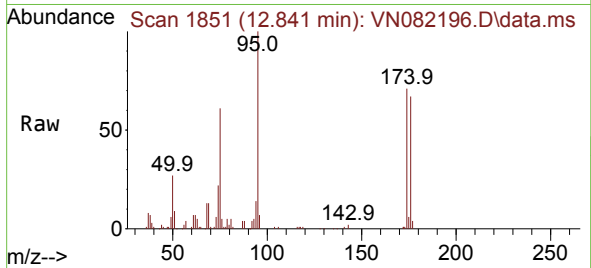




#71
Bromoform
Concen: 0.932 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

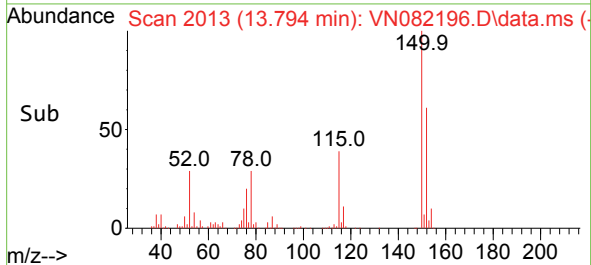
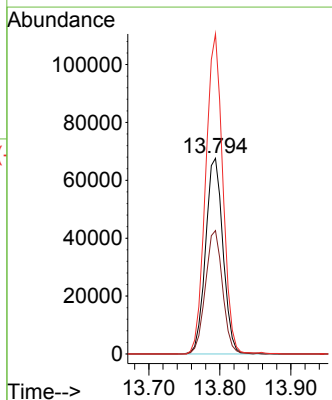
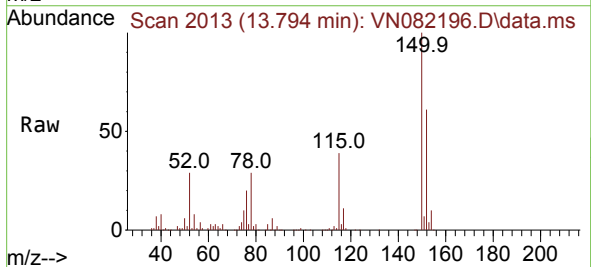
Instrument :
MSVOA_N
ClientSampleId :
280646

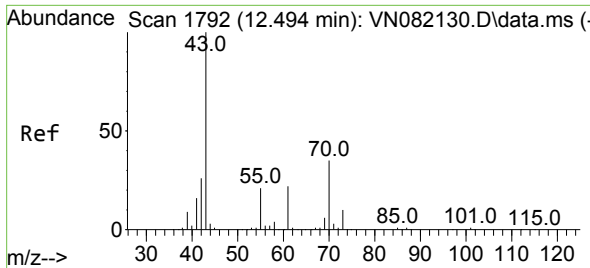
Tgt Ion:173 Resp: 385
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

Tgt Ion:152 Resp: 115314
Ion Ratio Lower Upper
152 100
115 62.0 30.4 91.3
150 161.1 0.0 353.2

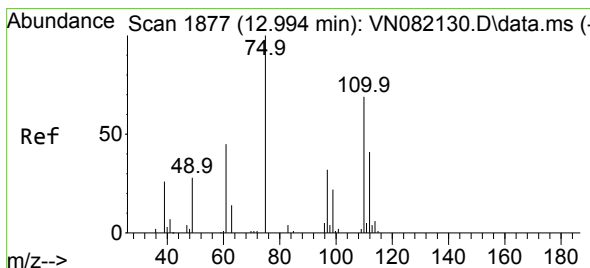
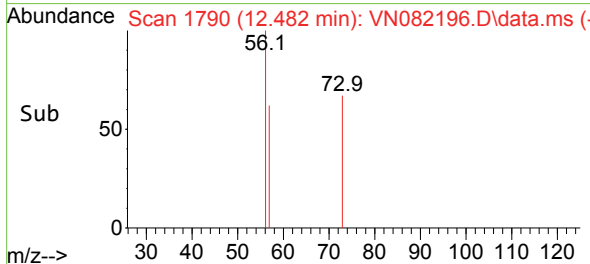
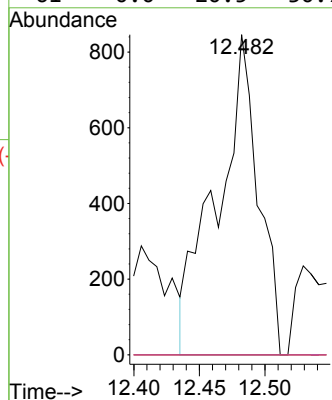
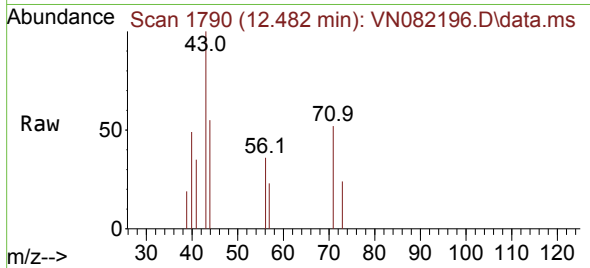




#74
N-amy1 acetate
Concen: 0.370 ug/l
RT: 12.482 min Scan# 1862
Delta R.T. -0.012 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

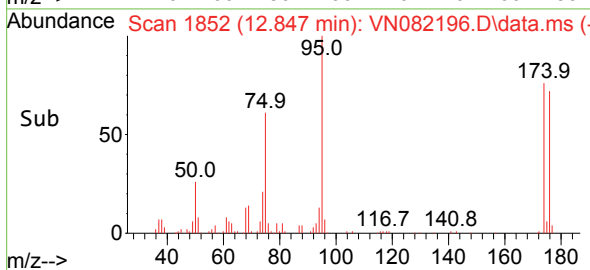
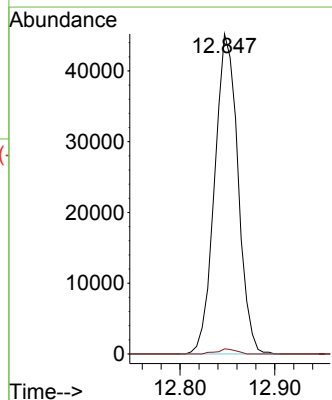
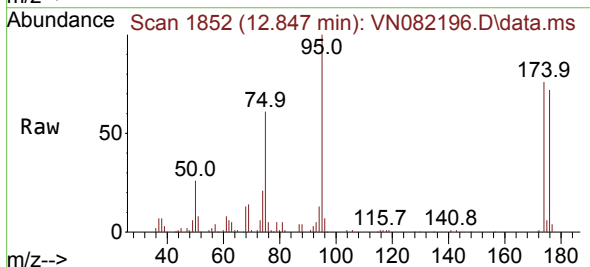
Instrument :
MSVOA_N
ClientSampleId :
280646

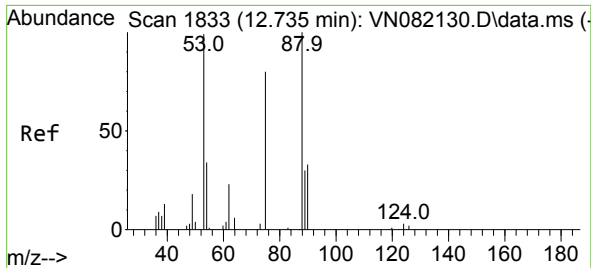
Tgt Ion: 43	Resp:	1862
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.4#
55	0.0	21.3 31.9#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 31.860 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082196.D
Acq: 17 May 2024 22:10

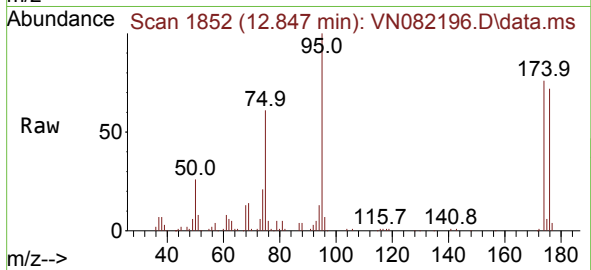
Tgt Ion: 75	Resp:	77328
Ion	Ratio	Lower Upper
75	100	
77	1.3	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.520 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082196.D
 Acq: 17 May 2024 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 280646



Tgt Ion: 75 Resp: 77328
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

