

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082305.D
 Acq On : 22 May 2024 20:17
 Operator : JC\MD
 Sample : PB161037ZHE#18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:58:08 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

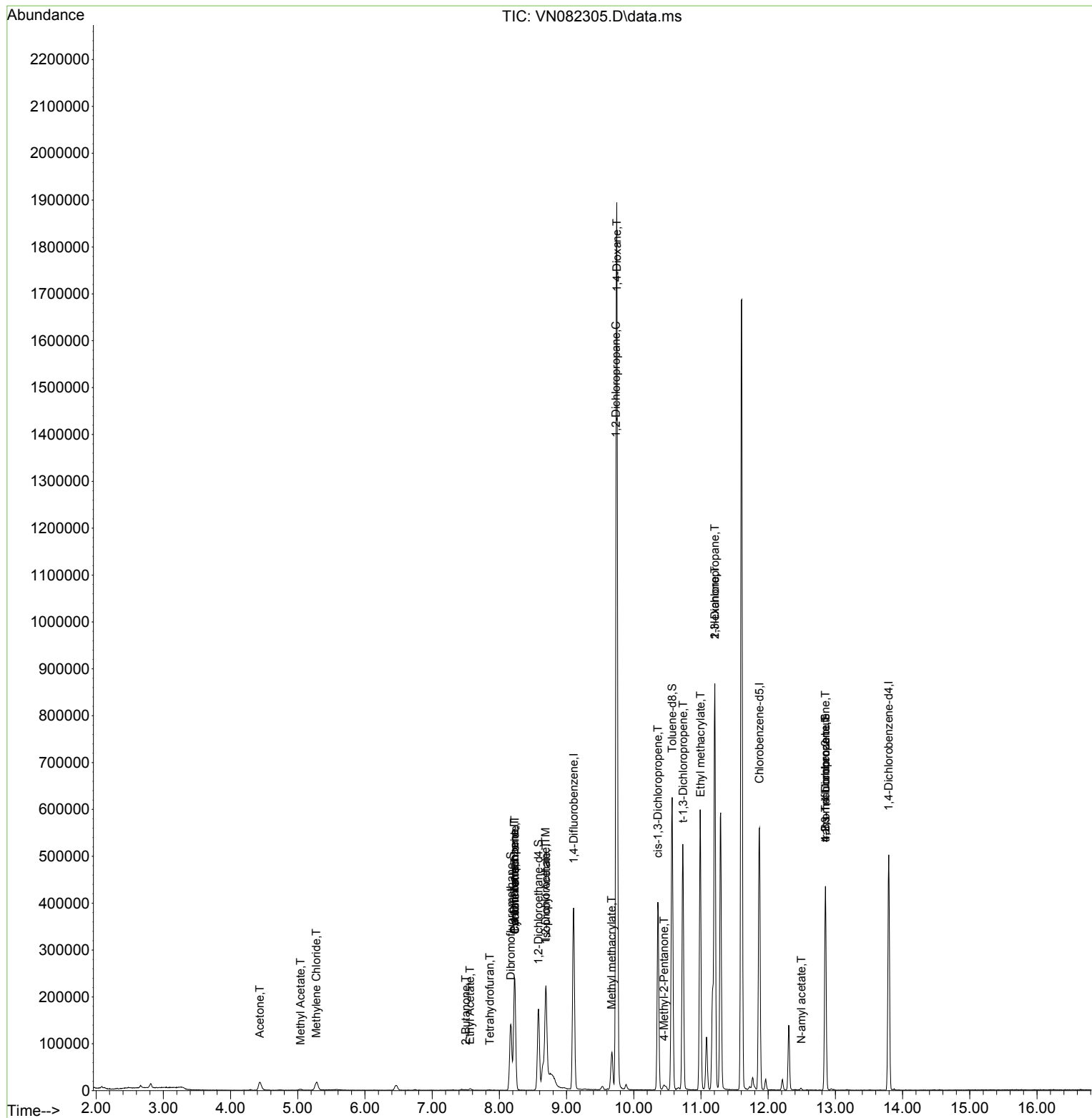
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	167586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	300041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143058	54.061	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.120%	
35) Dibromofluoromethane	8.171	113	99499	52.550	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.100%	
50) Toluene-d8	10.571	98	397279	54.728	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.460%	
62) 4-Bromofluorobenzene	12.853	95	136744	52.777	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 105.560%	
Target Compounds						Qvalue
16) Acetone	4.436	43	35198	32.425	ug/l	89
18) Methyl Acetate	5.042	43	4519	1.672	ug/l #	67
20) Methylene Chloride	5.277	84	12181	5.562	ug/l #	86
25) 2-Butanone	7.500	43	2785	1.692	ug/l #	77
29) Tetrahydrofuran	7.859	42	572	0.541	ug/l #	53
31) Cyclohexane	8.230	56	4805	1.137	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	16253	5.118	ug/l #	50
37) Ethyl Acetate	7.565	43	5748	1.617	ug/l #	78
38) Carbon Tetrachloride	8.230	117	17903	5.562	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1536	0.422	ug/l #	73
43) Isopropyl Acetate	8.694	43	319115	50.676	ug/l #	72
45) 1,2-Dichloropropane	9.735	63	2095	0.857	ug/l #	45
48) Methyl methacrylate	9.671	41	5891	1.963	ug/l #	38
49) 1,4-Dioxane	9.747	88	175	4.162	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	8096	2.263	ug/l #	87
53) t-1,3-Dichloropropene	10.735	75	1210	0.345	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	62954	16.982	ug/l #	76
56) Ethyl methacrylate	10.994	69	1751	0.499	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7832	2.028	ug/l #	42
59) 2-Hexanone	11.206	43	112111	42.795	ug/l #	51
74) N-amyl acetate	12.494	43	2174	0.403	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	82351	31.687	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82351	74.114	ug/l #	12

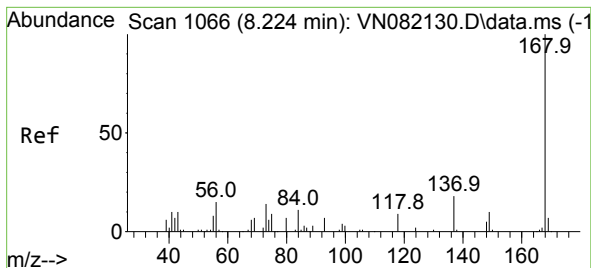
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

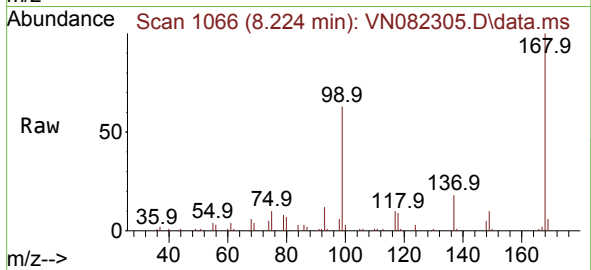
Lab File: VN082305.D

Acq: 22 May 2024 20:17

Instrument :

MSVOA_N

ClientSampleId :

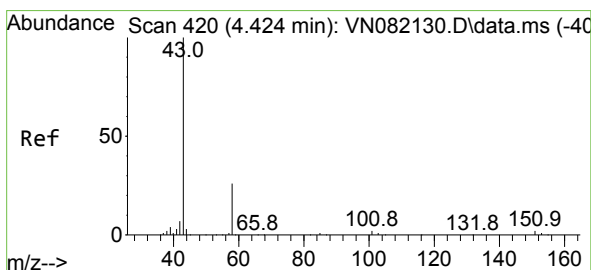
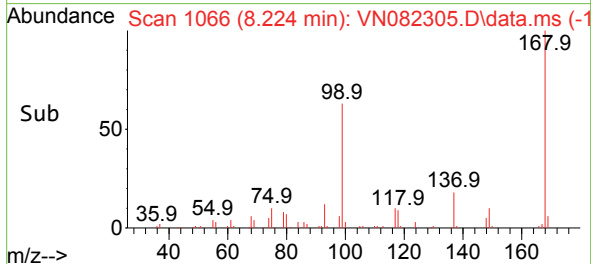
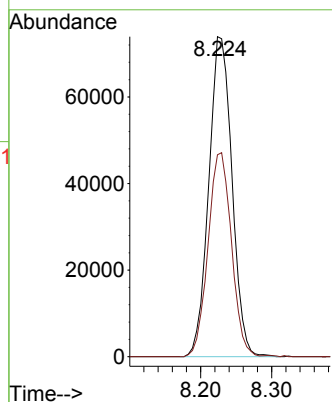


Tgt Ion:168 Resp: 167586

Ion Ratio Lower Upper

168 100

99 63.1 48.2 72.4



#16

Acetone

Concen: 32.425 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN082305.D

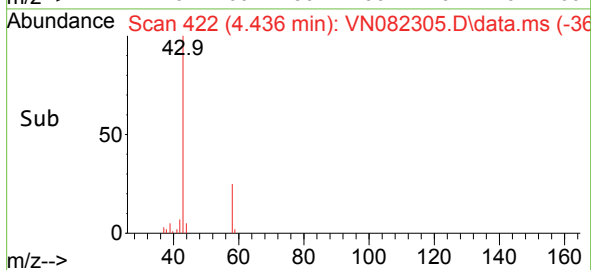
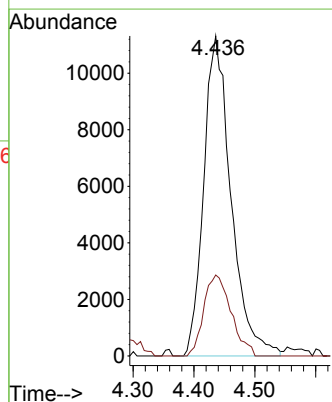
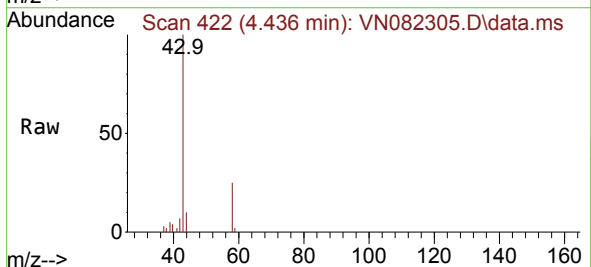
Acq: 22 May 2024 20:17

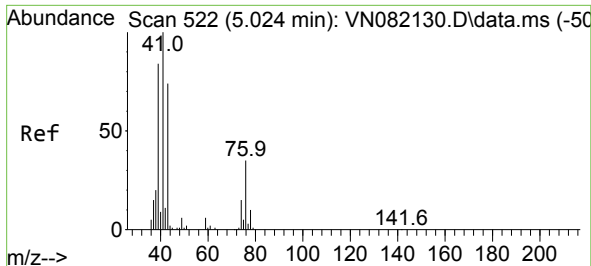
Tgt Ion: 43 Resp: 35198

Ion Ratio Lower Upper

43 100

58 25.3 25.2 37.8

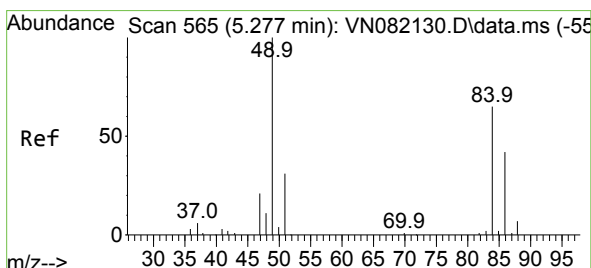
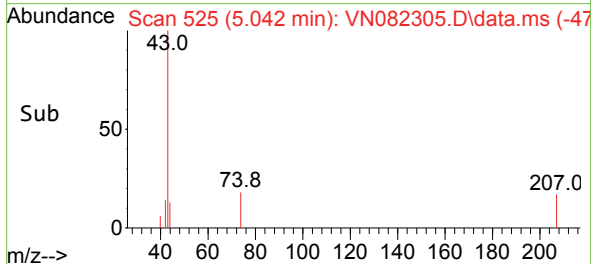
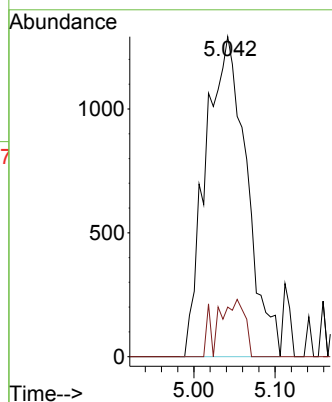
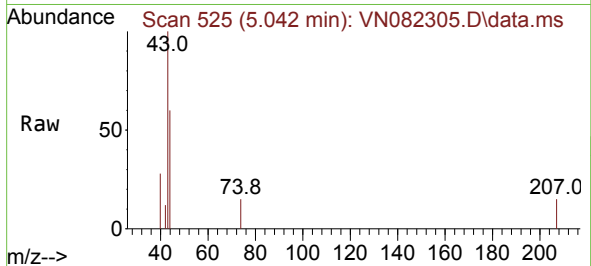




#18
Methyl Acetate
Concen: 1.672 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

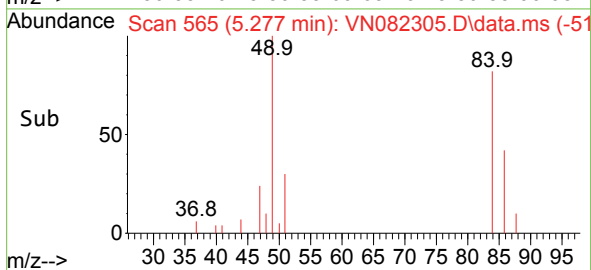
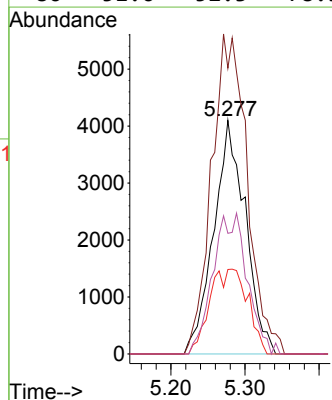
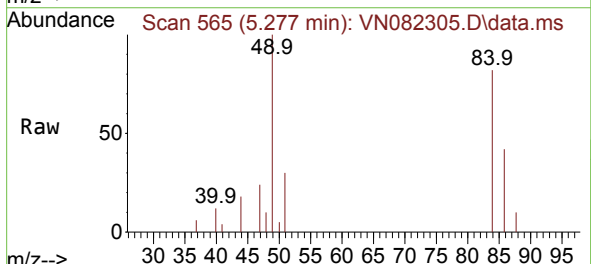
Instrument :
MSVOA_N
ClientSampleId :

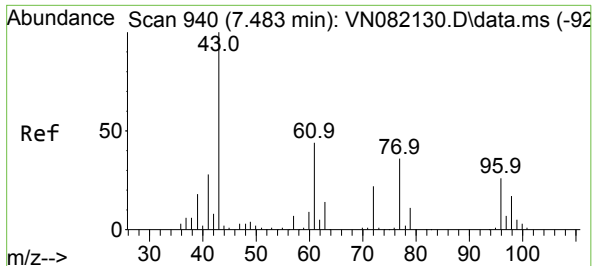
Tgt Ion: 43 Resp: 4519
Ion Ratio Lower Upper
43 100
74 10.2 22.2 33.2#



#20
Methylene Chloride
Concen: 5.562 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Tgt Ion: 84 Resp: 12181
Ion Ratio Lower Upper
84 100
49 122.3 84.9 127.3
51 36.2 27.0 40.6
86 51.6 52.3 78.5#





#25

2-Butanone

Concen: 1.692 ug/l

RT: 7.500 min Scan# 94

Delta R.T. 0.018 min

Lab File: VN082305.D

Acq: 22 May 2024 20:17

Instrument :

MSVOA_N

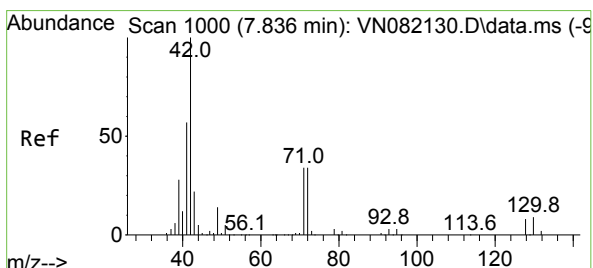
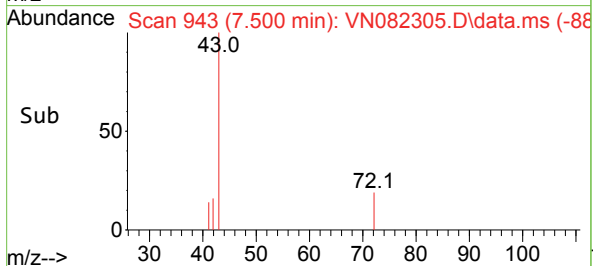
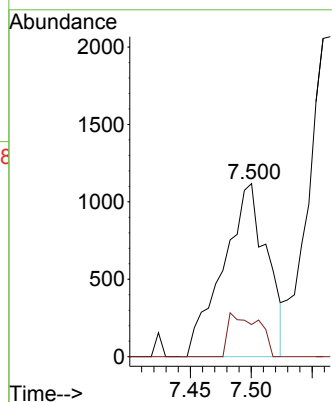
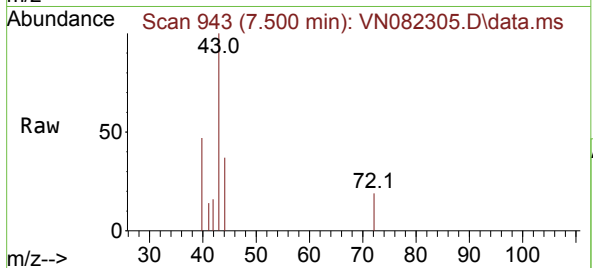
ClientSampleId :

Tgt Ion: 43 Resp: 2785

Ion Ratio Lower Upper

43 100

72 18.6 25.3 37.9#



#29

Tetrahydrofuran

Concen: 0.541 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.023 min

Lab File: VN082305.D

Acq: 22 May 2024 20:17

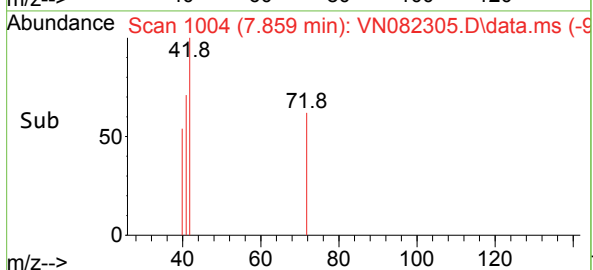
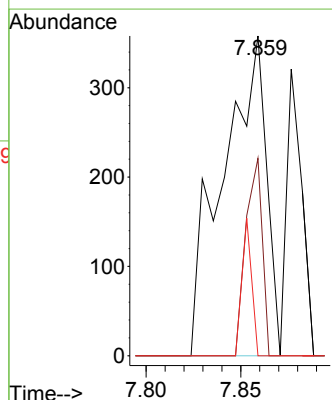
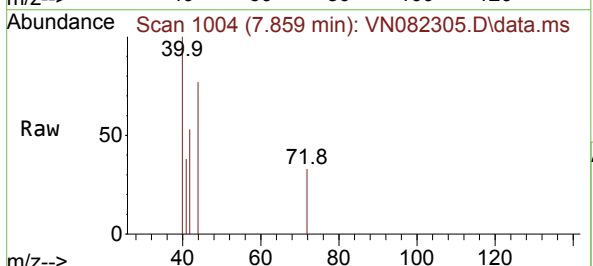
Tgt Ion: 42 Resp: 572

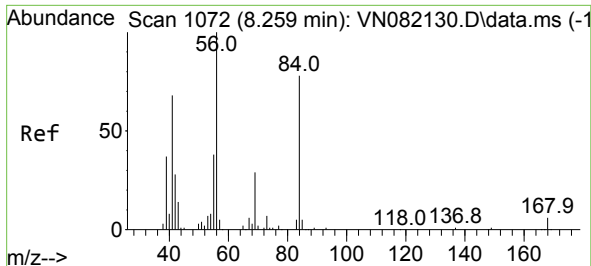
Ion Ratio Lower Upper

42 100

72 23.3 39.3 58.9#

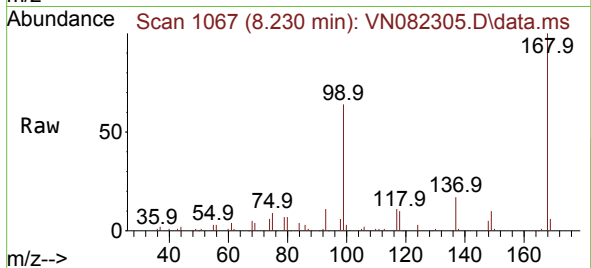
71 9.4 37.4 56.0#



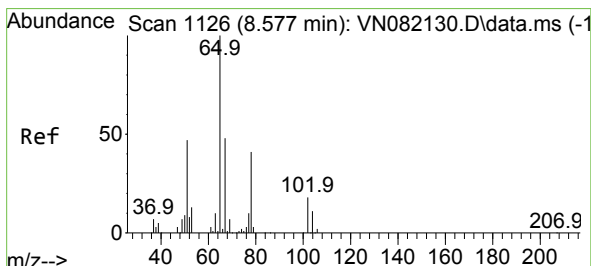
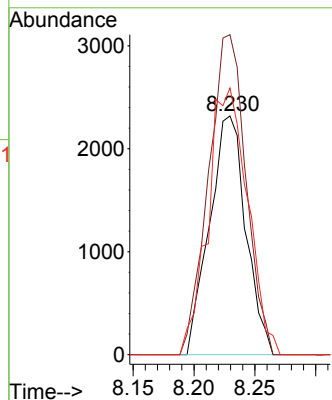
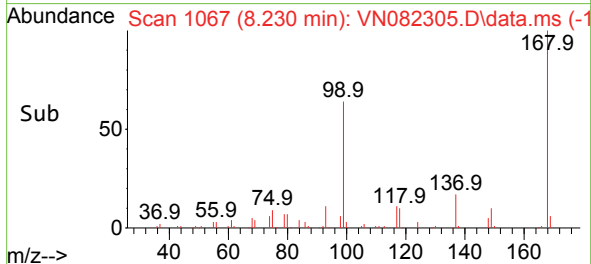


#31
Cyclohexane
Concen: 1.137 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.029 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Instrument :
MSVOA_N
ClientSampleId :

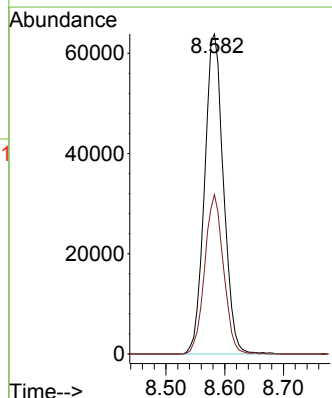
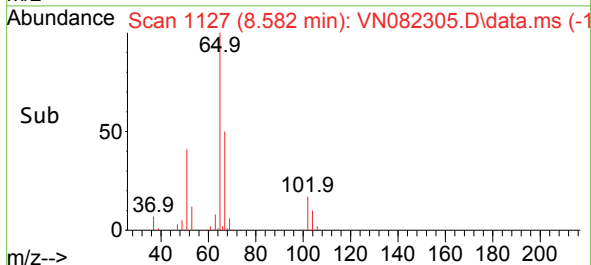
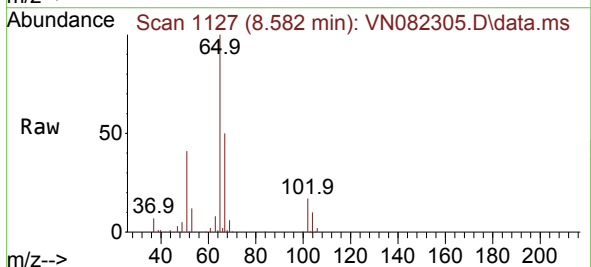


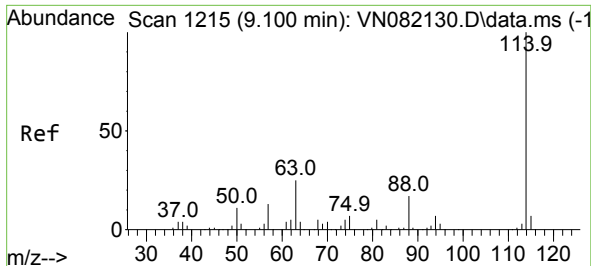
Tgt Ion: 56 Resp: 4805
Ion Ratio Lower Upper
56 100
69 134.1 24.4 36.6#
84 111.7 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 54.061 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Tgt Ion: 65 Resp: 143058
Ion Ratio Lower Upper
65 100
67 49.4 0.0 103.0

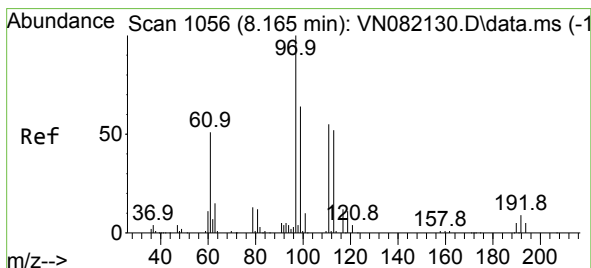
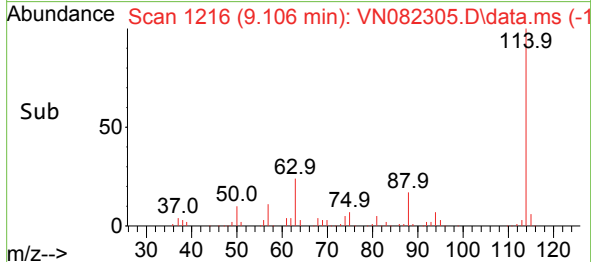
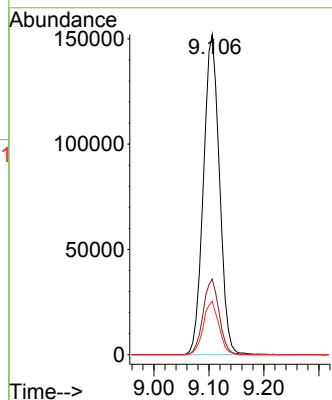
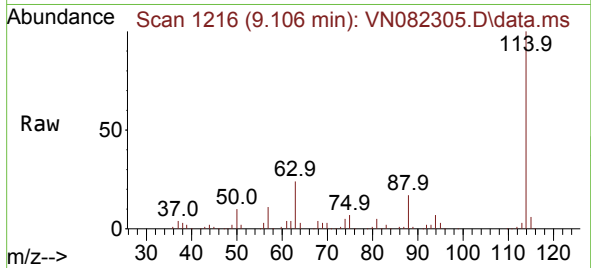




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

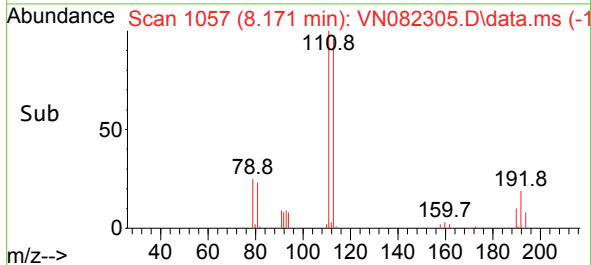
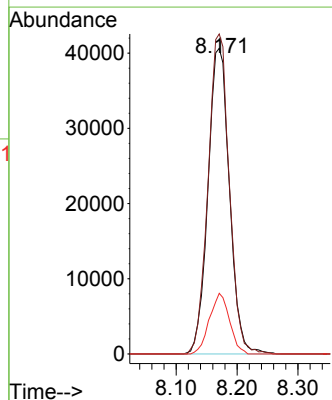
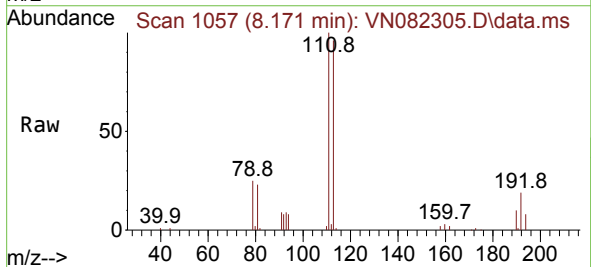
Instrument :
MSVOA_N
ClientSampleId :

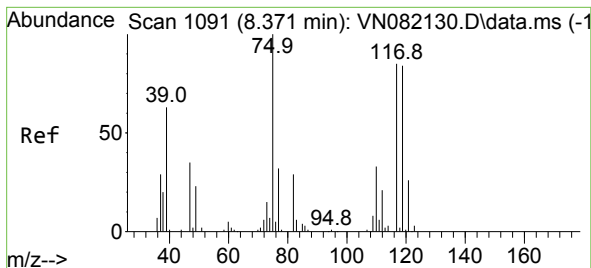
Tgt Ion:114 Resp: 307793
Ion Ratio Lower Upper
114 100
63 23.6 0.0 41.0
88 16.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.550 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Tgt Ion:113 Resp: 99499
Ion Ratio Lower Upper
113 100
111 103.5 83.4 125.2
192 18.5 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.118 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

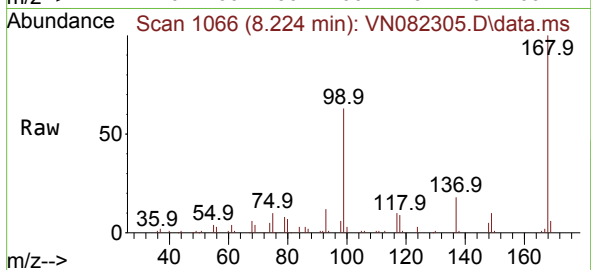
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Acq: 22 May 2024 20:17

Instrument :

MSVOA_N

ClientSampleId :



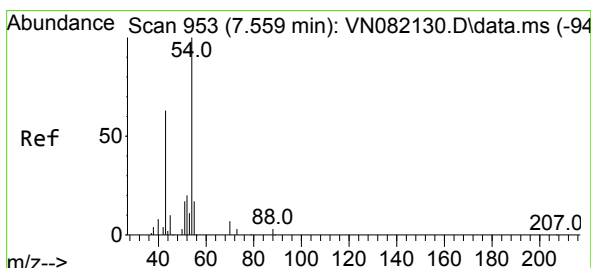
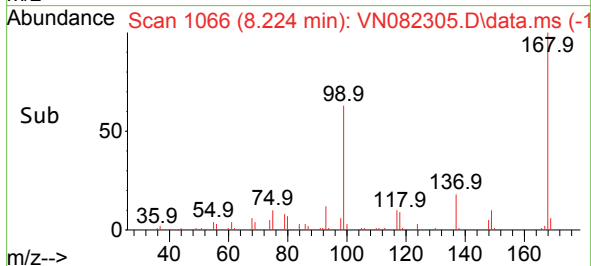
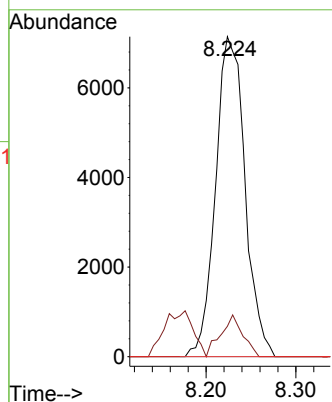
Tgt Ion: 75 Resp: 16253

Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.617 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN082305.D

Acq: 22 May 2024 20:17

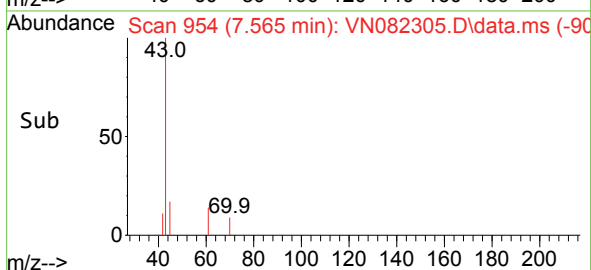
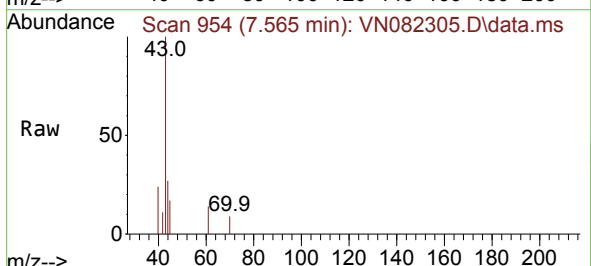
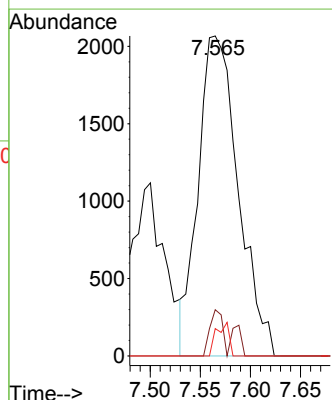
Tgt Ion: 43 Resp: 5748

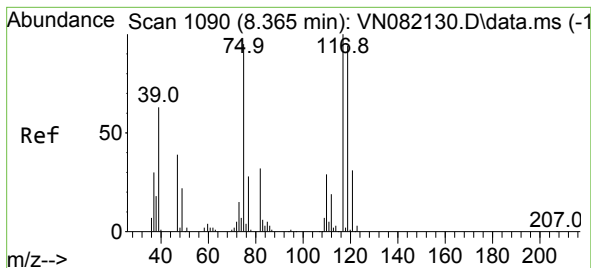
Ion Ratio Lower Upper

43 100

61 4.6 11.3 16.9#

70 3.4 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.562 ug/l

RT: 8.230 min Scan# 110

Delta R.T. -0.135 min

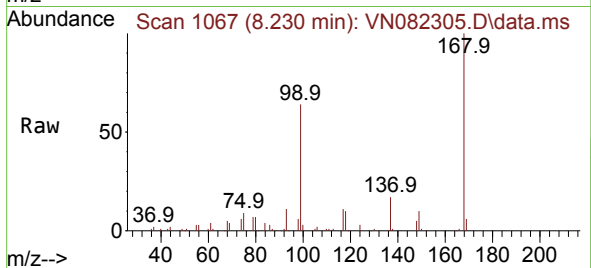
Lab File: VN082305.D

Acq: 22 May 2024 20:17

Instrument :

MSVOA_N

ClientSampleId :



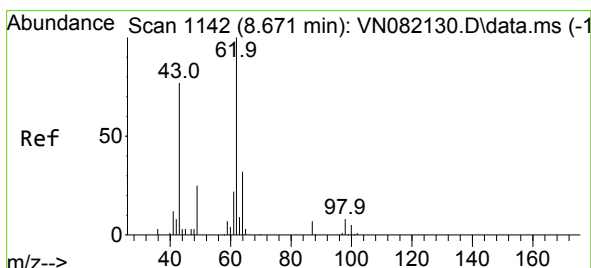
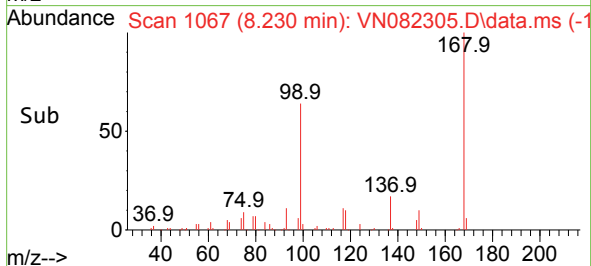
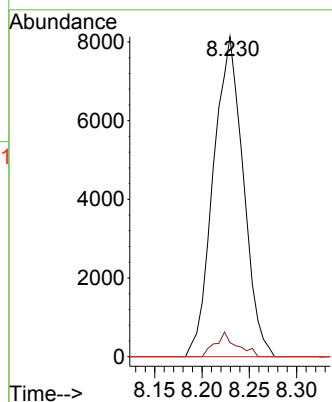
Tgt Ion:117 Resp: 17903

Ion Ratio Lower Upper

117 100

119 4.4 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.422 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082305.D

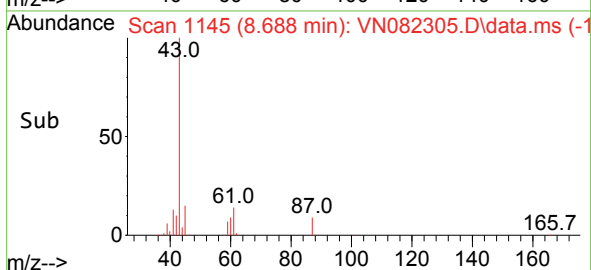
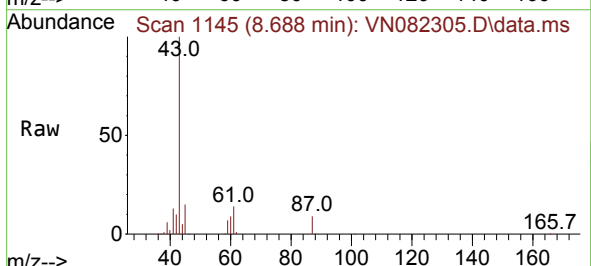
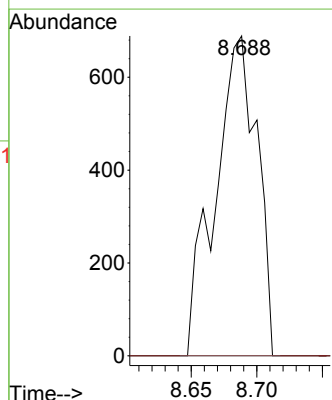
Acq: 22 May 2024 20:17

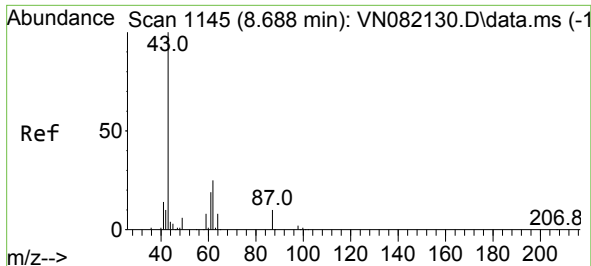
Tgt Ion: 62 Resp: 1536

Ion Ratio Lower Upper

62 100

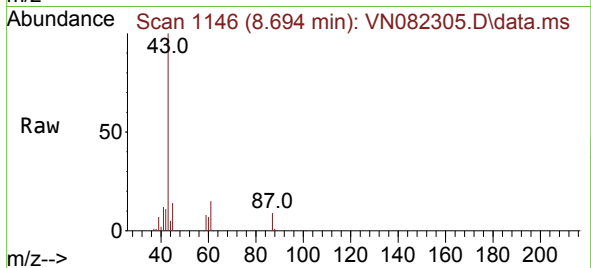
98 0.0 0.0 19.6



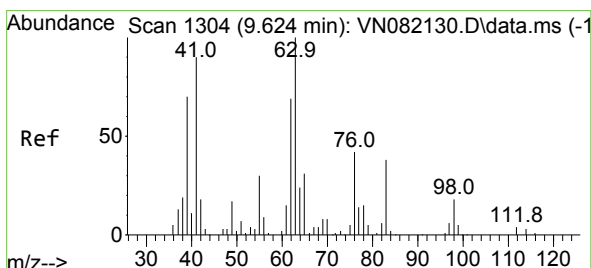
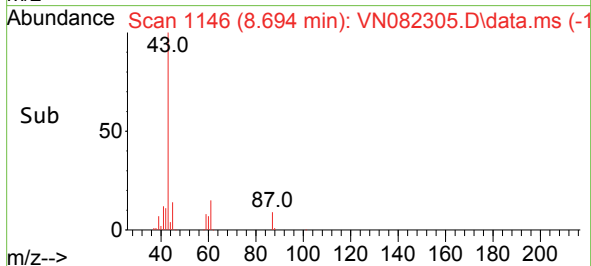
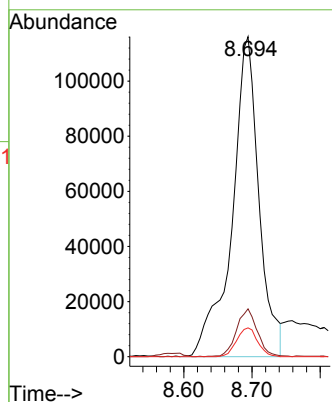


#43
Isopropyl Acetate
Concen: 50.676 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Instrument :
MSVOA_N
ClientSampleId :

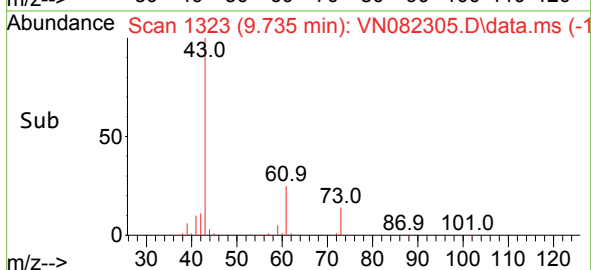
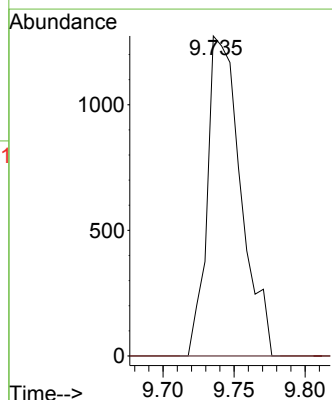
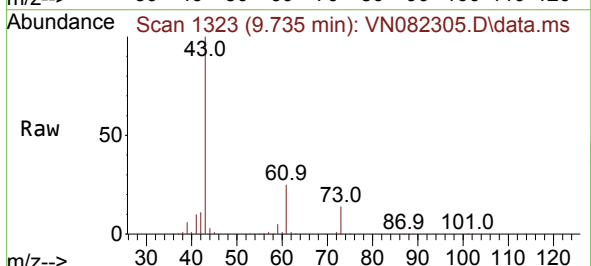


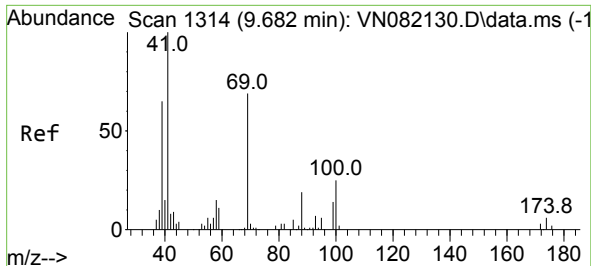
Tgt Ion: 43 Resp: 319115
Ion Ratio Lower Upper
43 100
61 11.6 22.8 34.2#
87 7.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.857 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Tgt Ion: 63 Resp: 2095
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

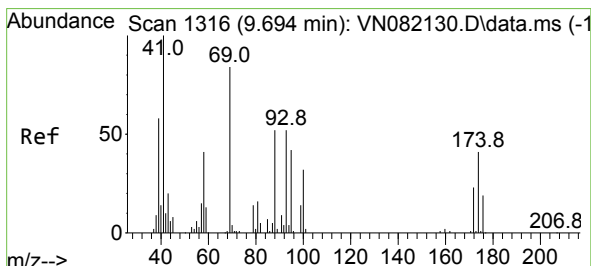
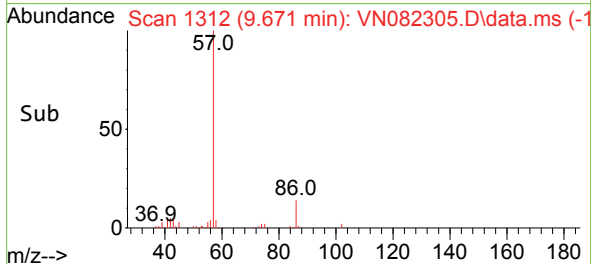
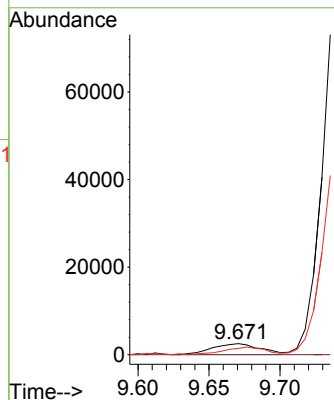
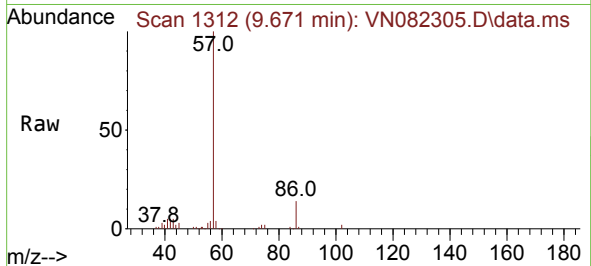




#48
Methyl methacrylate
Concen: 1.963 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

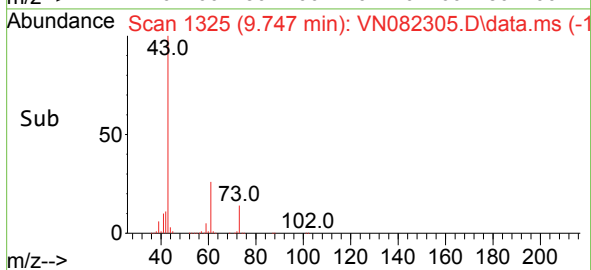
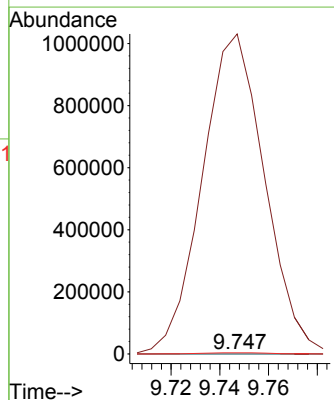
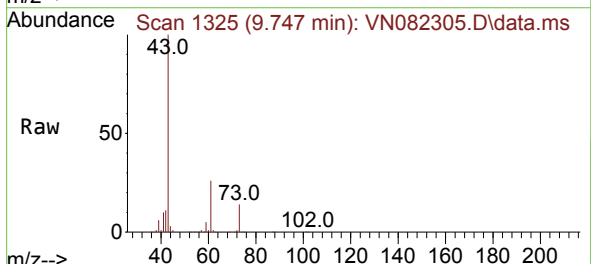
Instrument :
MSVOA_N
ClientSampleId :

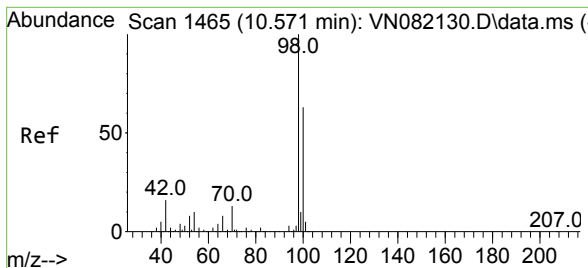
Tgt Ion: 41 Resp: 5891
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 59.9 50.9 76.3



#49
1,4-Dioxane
Concen: 4.162 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Tgt Ion: 88 Resp: 175
Ion Ratio Lower Upper
88 100
43 1052780.0 19.0 28.6#
58 4312.6 50.6 76.0#

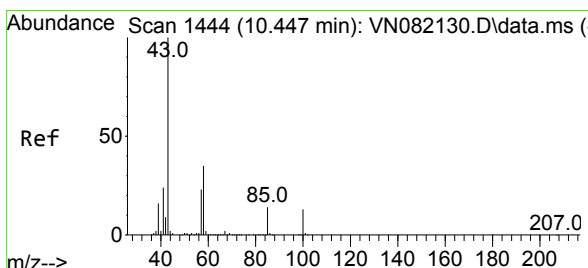
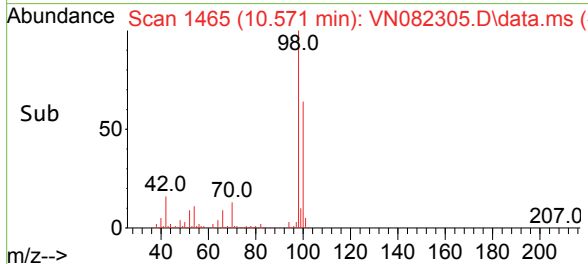
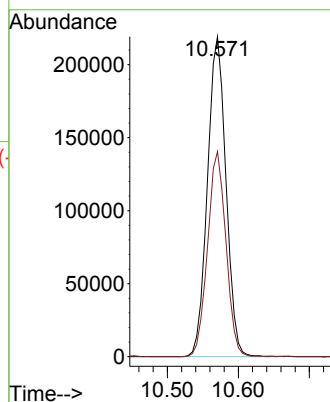
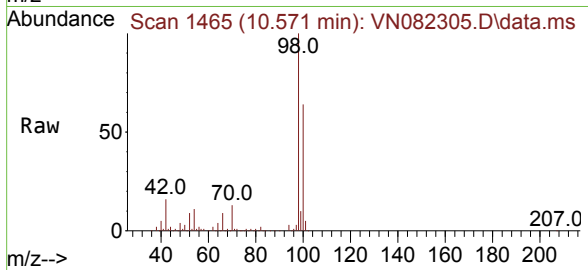




#50
Toluene-d8
Concen: 54.728 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

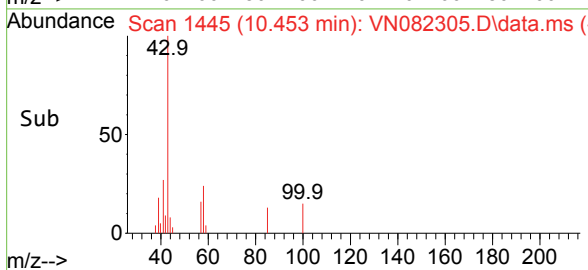
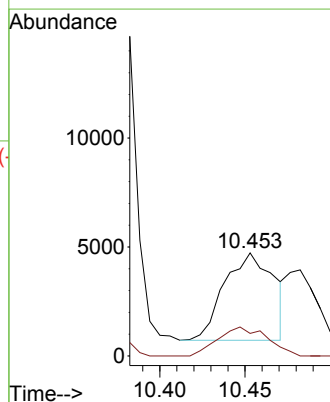
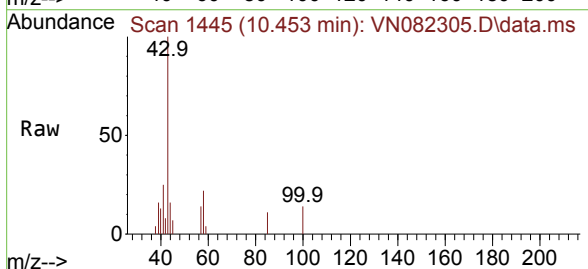
Instrument :
MSVOA_N
ClientSampleId :

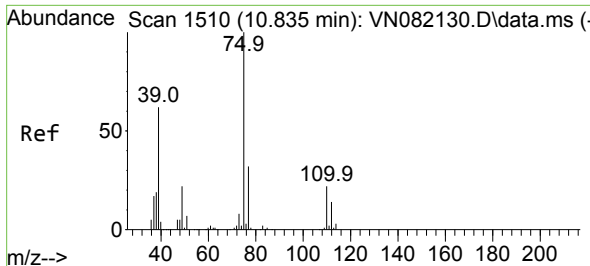
Tgt Ion: 98 Resp: 397279
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.263 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

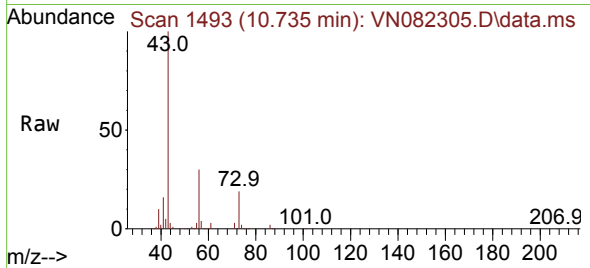
Tgt Ion: 43 Resp: 8096
Ion Ratio Lower Upper
43 100
58 33.2 33.2 49.8#



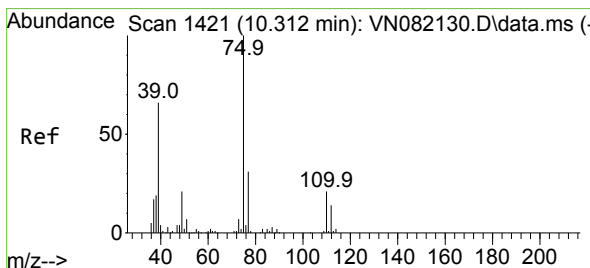
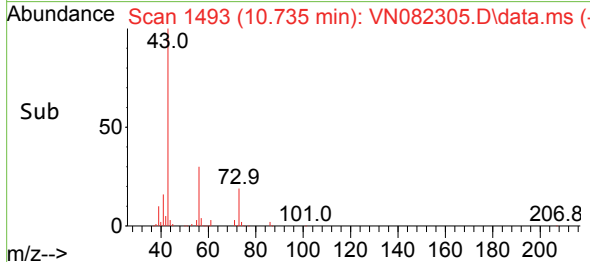
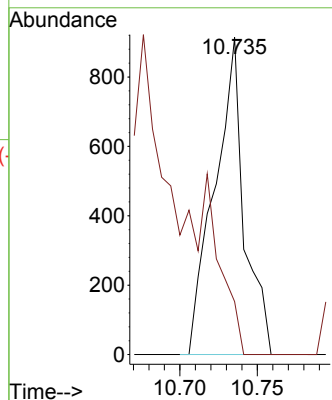


#53
t-1,3-Dichloropropene
Concen: 0.345 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Instrument :
MSVOA_N
ClientSampleId :

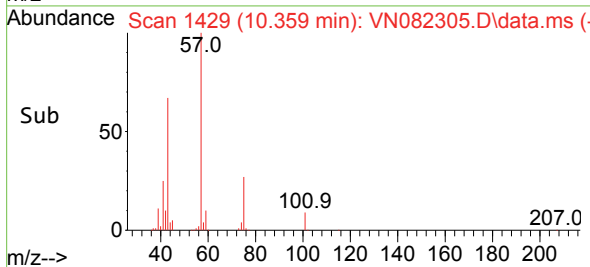
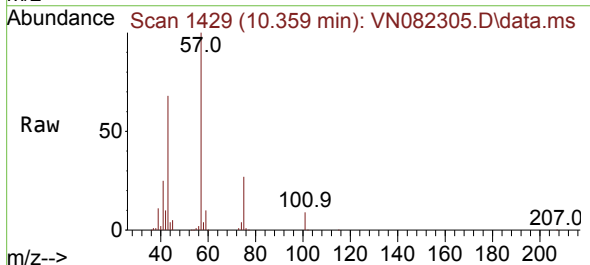
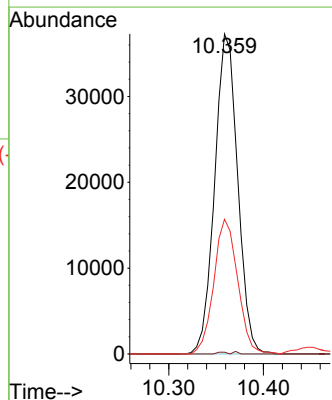


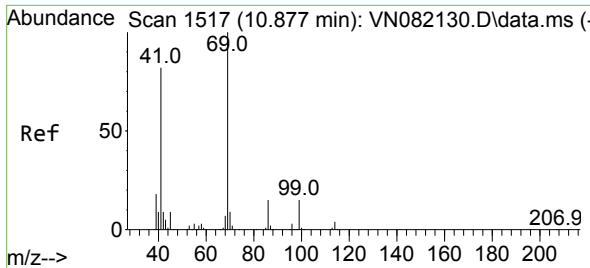
Tgt Ion: 75 Resp: 1210
Ion Ratio Lower Upper
75 100
77 16.7 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 16.982 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

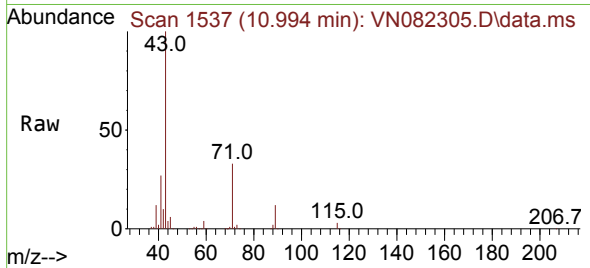
Tgt Ion: 75 Resp: 62954
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 42.1 34.8 52.2



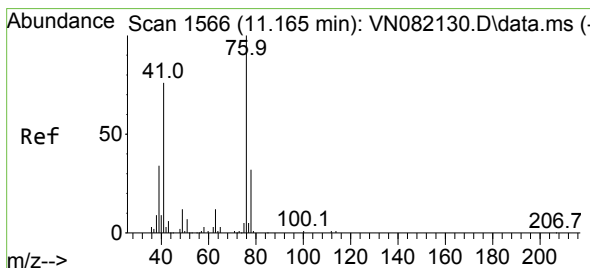
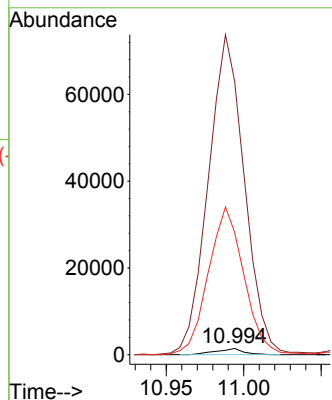
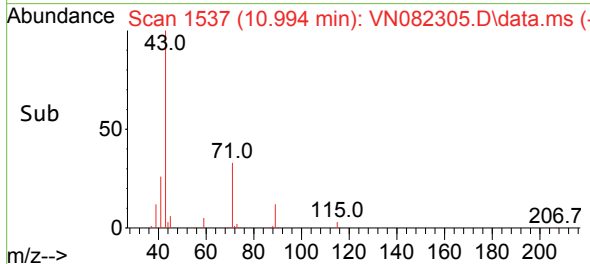


#56
Ethyl methacrylate
Concen: 0.499 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Instrument :
MSVOA_N
ClientSampleId :

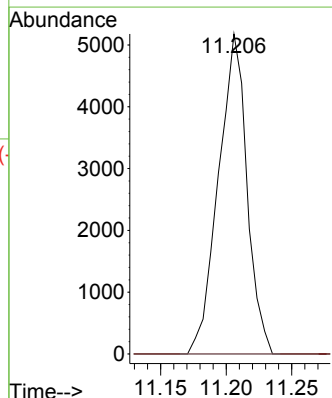
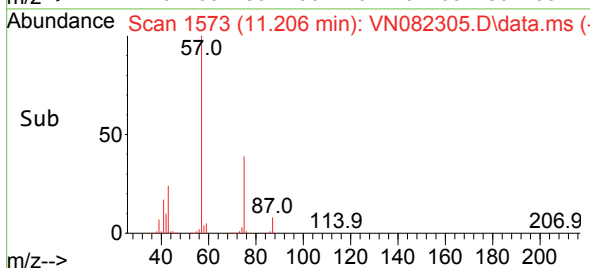
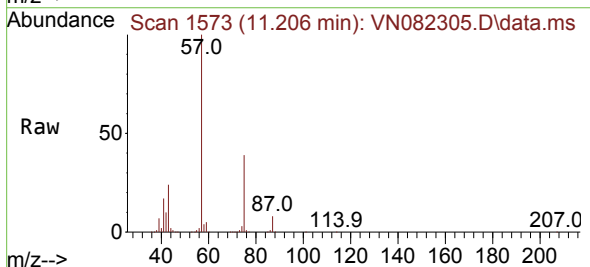


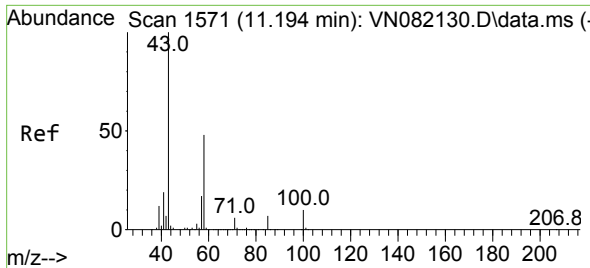
Tgt Ion: 69 Resp: 1751
Ion Ratio Lower Upper
69 100
41 6846.5 46.6 70.0#
39 3101.7 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 2.028 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Tgt Ion: 76 Resp: 7832
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

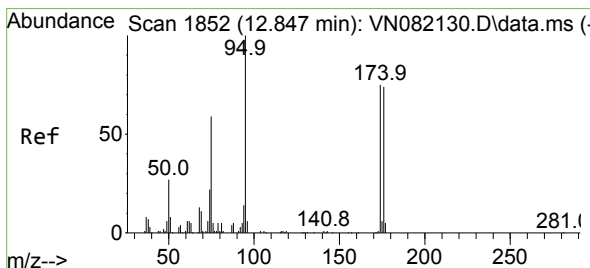
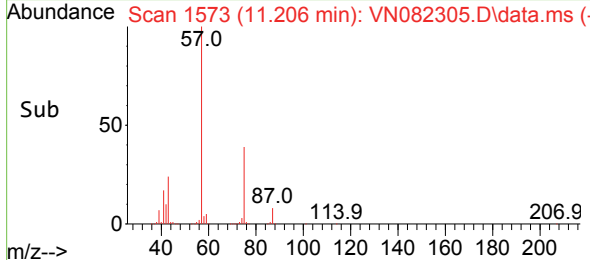
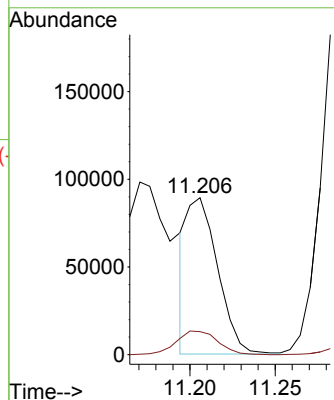
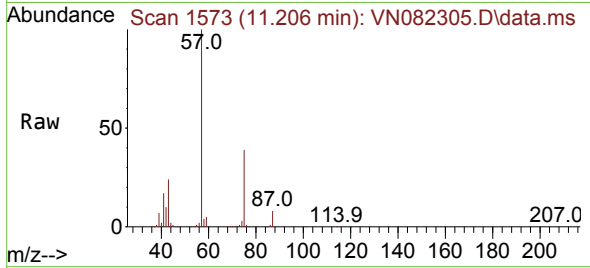




#59
2-Hexanone
Concen: 42.795 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

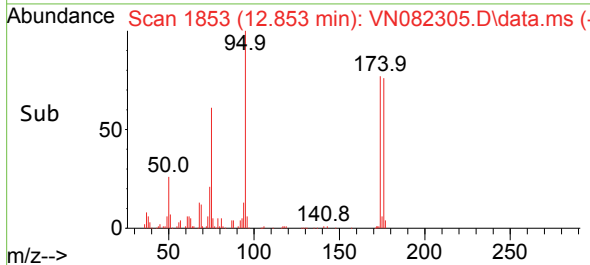
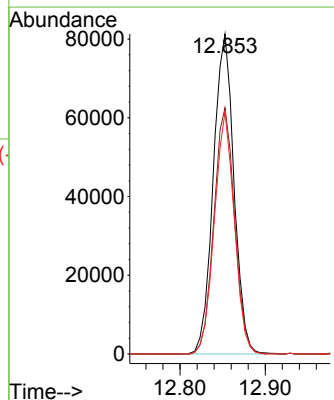
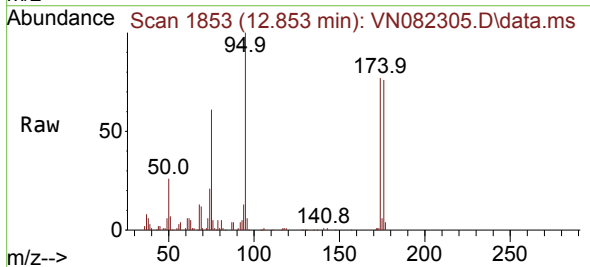
Instrument :
MSVOA_N
ClientSampleId :

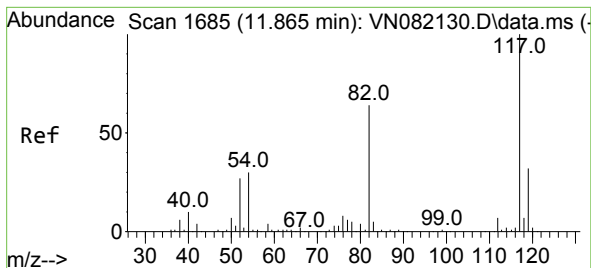
Tgt Ion: 43 Resp: 112111
Ion Ratio Lower Upper
43 100
58 20.5 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 52.777 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Tgt Ion: 95 Resp: 136744
Ion Ratio Lower Upper
95 100
174 77.2 0.0 160.6
176 72.8 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

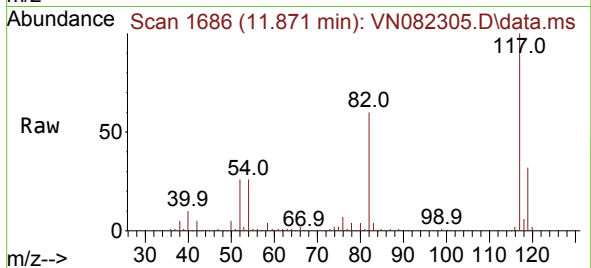
Lab File: VN082305.D

Acq: 22 May 2024 20:17

Instrument :

MSVOA_N

ClientSampleId :



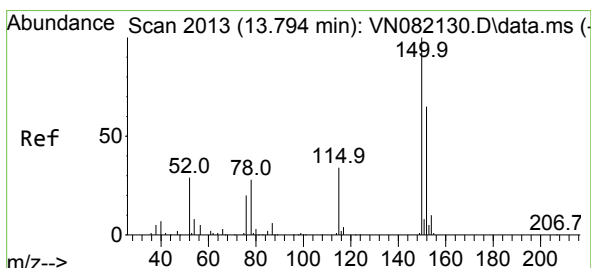
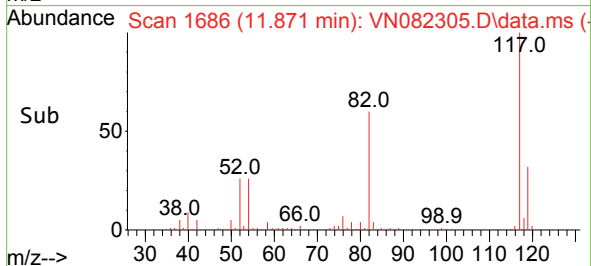
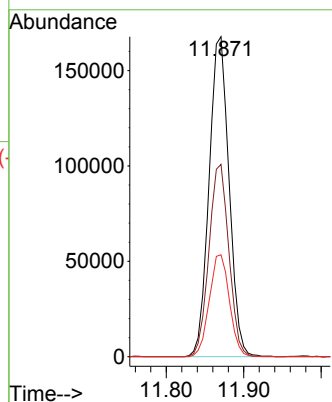
Tgt Ion:117 Resp: 300041

Ion Ratio Lower Upper

117 100

82 60.1 44.6 66.8

119 31.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082305.D

Acq: 22 May 2024 20:17

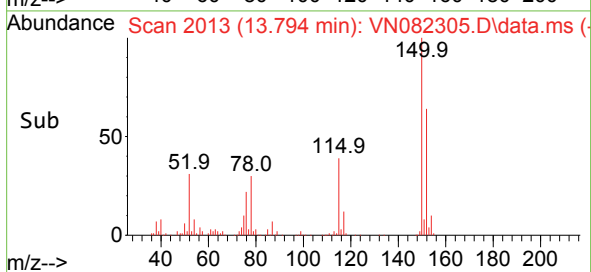
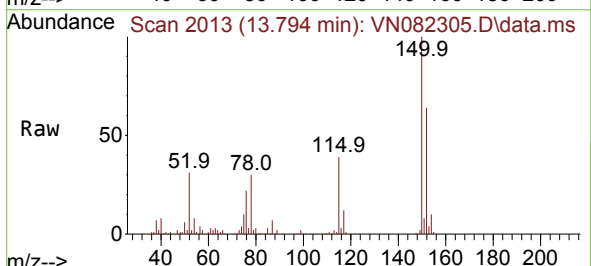
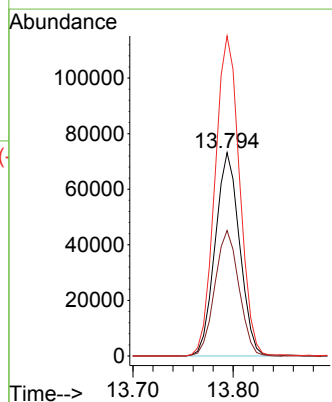
Tgt Ion:152 Resp: 123478

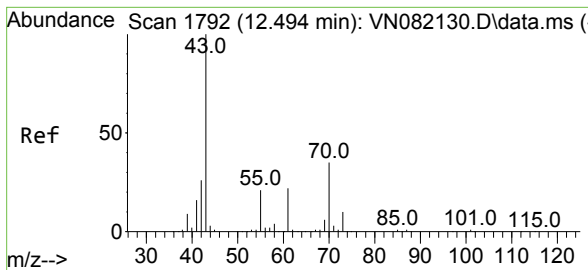
Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.3

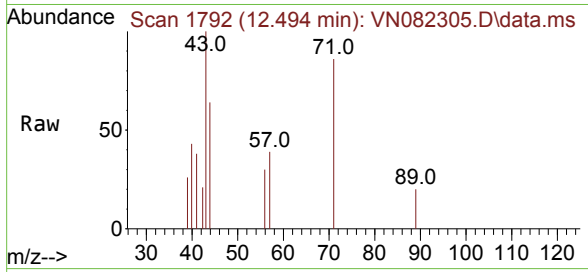
150 158.8 0.0 353.2



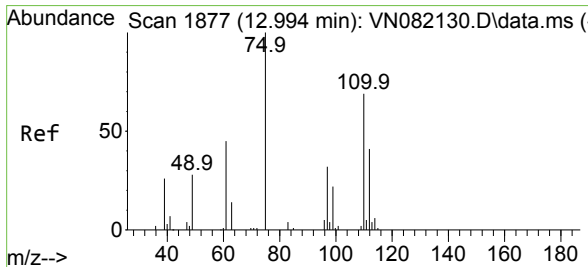
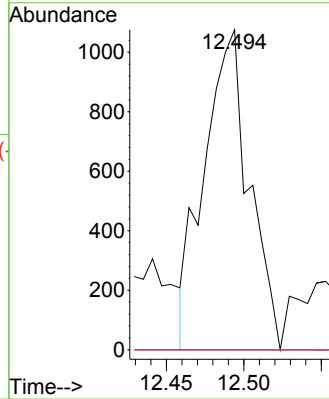
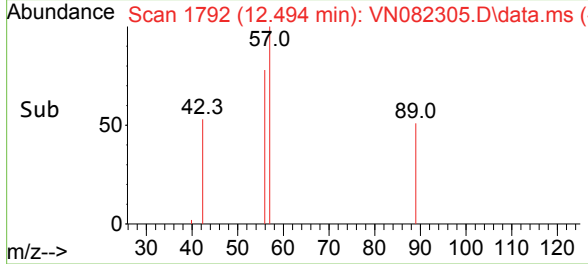


#74
N-amy1 acetate
Concen: 0.403 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

Instrument :
MSVOA_N
ClientSampleId :

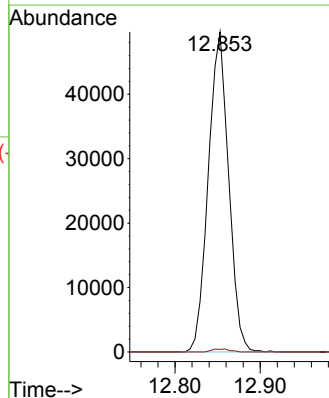
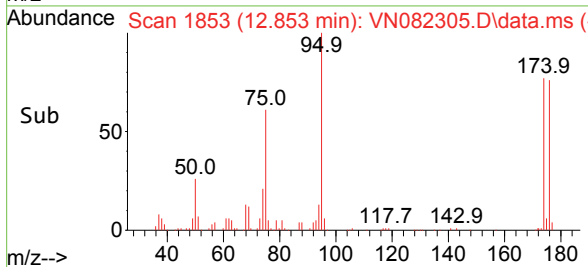
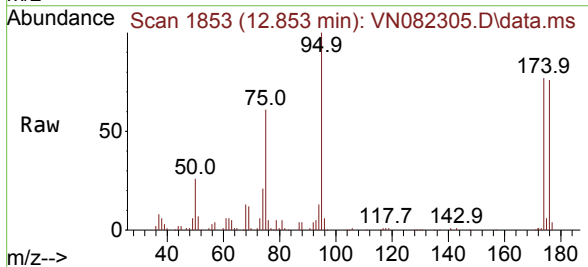


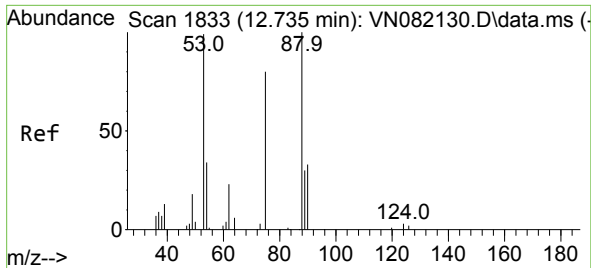
Tgt Ion: 43	Resp: 2174
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 0.0	21.3 31.9#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 31.687 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082305.D
Acq: 22 May 2024 20:17

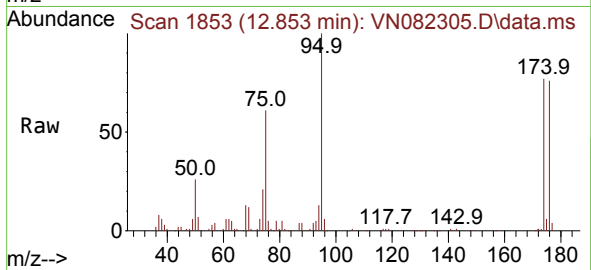
Tgt Ion: 75	Resp: 82351
Ion Ratio	Lower Upper
75 100	
77 0.8	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.114 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082305.D
 Acq: 22 May 2024 20:17

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 82351
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

