

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082291.D
 Acq On : 22 May 2024 14:17
 Operator : JC\MD
 Sample : PB161037ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:52:56 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)

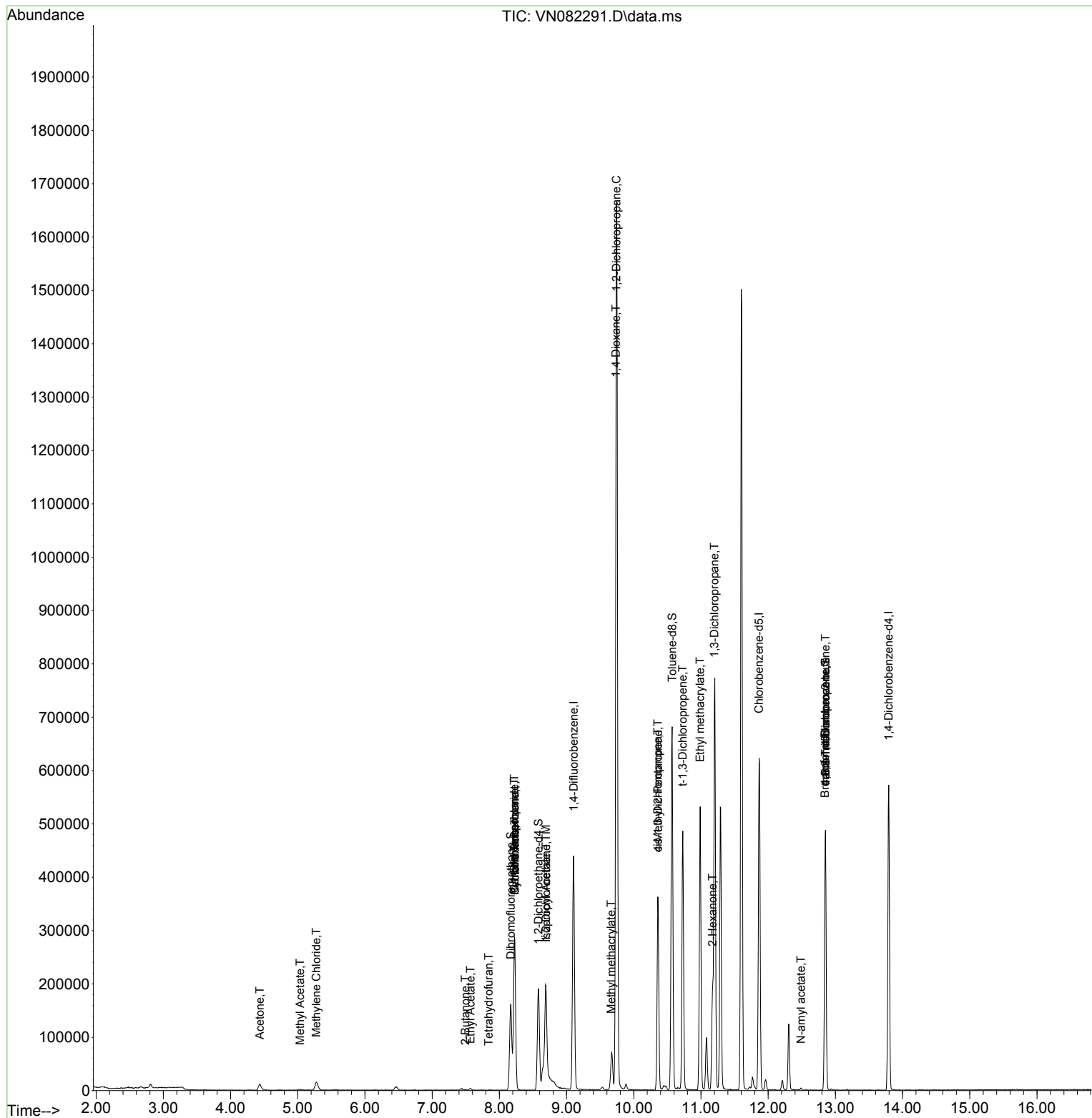
Internal Standards						
1) Pentafluorobenzene	8.230	168	194892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	345471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	329651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	159876	51.952	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.900%	
35) Dibromofluoromethane	8.171	113	109710	51.624	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.240%	
50) Toluene-d8	10.571	98	440049	54.009	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.020%	
62) 4-Bromofluorobenzene	12.853	95	156878	53.945	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 107.880%	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	22663	17.952	ug/l	99
18) Methyl Acetate	5.036	43	2925	0.930	ug/l #	66
20) Methylene Chloride	5.277	84	11264	4.422	ug/l #	82
25) 2-Butanone	7.494	43	2216	1.158	ug/l #	43
29) Tetrahydrofuran	7.841	42	478	0.389	ug/l #	29
31) Cyclohexane	8.230	56	5358	1.090	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	17809	4.997	ug/l #	48
37) Ethyl Acetate	7.571	43	4933	1.237	ug/l #	72
38) Carbon Tetrachloride	8.224	117	21359	5.912	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	1107	0.271	ug/l #	73
43) Isopropyl Acetate	8.694	43	291991	41.312	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1747	0.637	ug/l #	45
48) Methyl methacrylate	9.665	41	5405	1.605	ug/l #	37
49) 1,4-Dioxane	9.735	88	186	3.941	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	148354	36.943	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	892	0.227	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	56736	13.635	ug/l #	75
56) Ethyl methacrylate	10.988	69	1202	0.305	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7215	1.665	ug/l #	42
59) 2-Hexanone	11.171	43	153443	52.185	ug/l #	23
71) Bromoform	12.847	173	797	1.113	ug/l #	28
74) N-amyl acetate	12.488	43	2010	0.320	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	92972	30.688	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	92972	71.779	ug/l #	12

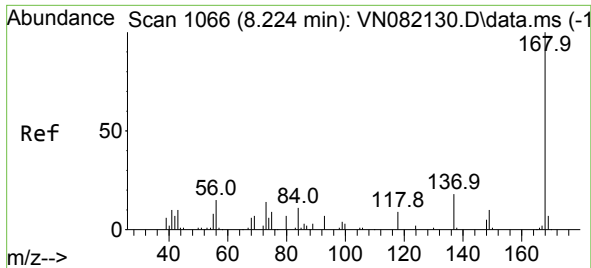
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
Data File : VN082291.D
Acq On : 22 May 2024 14:17
Operator : JC\MD
Sample : PB161037ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

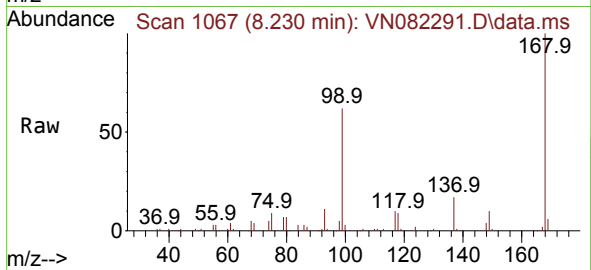
Quant Time: May 23 01:52:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



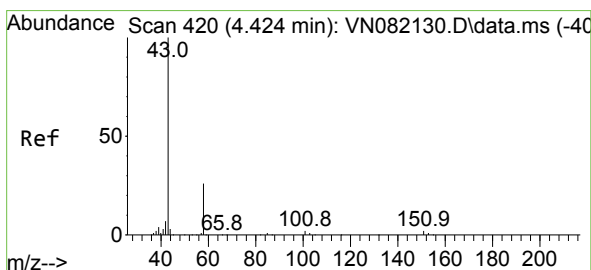
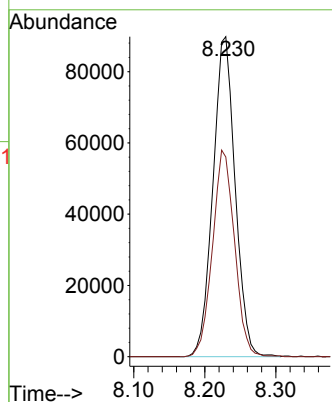
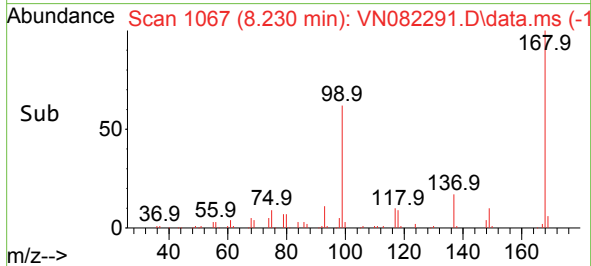


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :

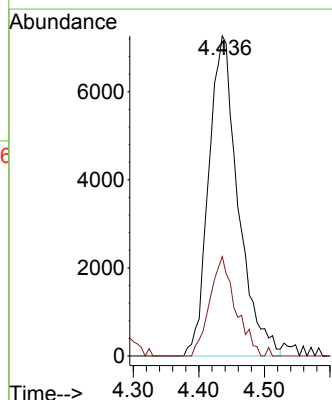
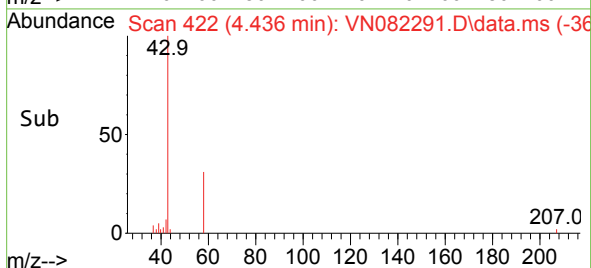
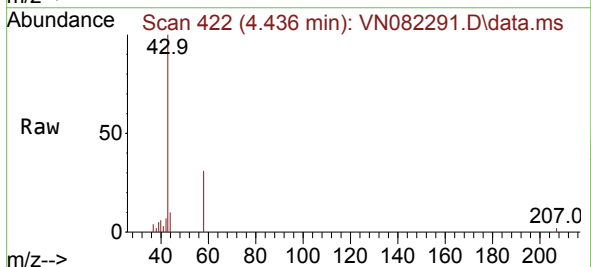


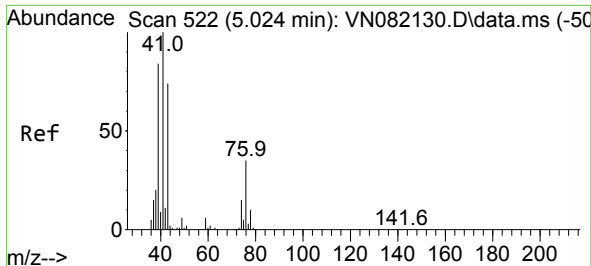
Tgt Ion:168 Resp: 194892
Ion Ratio Lower Upper
168 100
99 62.4 48.2 72.4



#16
Acetone
Concen: 17.952 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Tgt Ion: 43 Resp: 22663
Ion Ratio Lower Upper
43 100
58 31.1 25.2 37.8

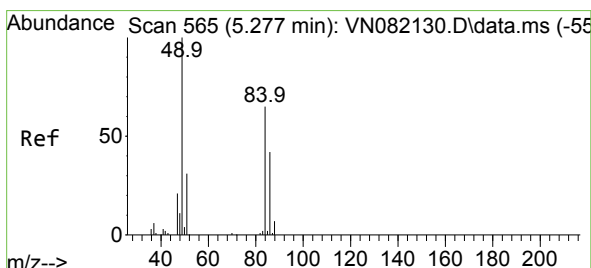
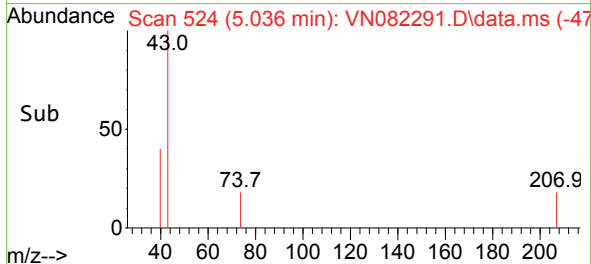
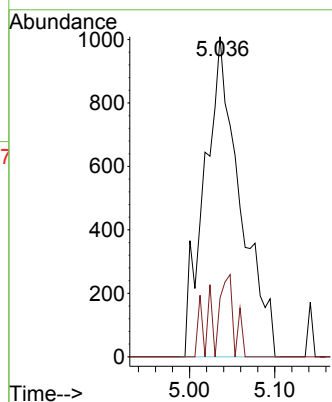
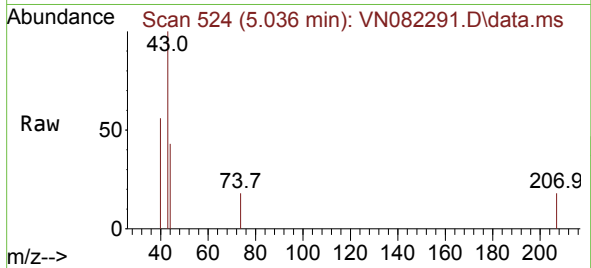




#18
Methyl Acetate
Concen: 0.930 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

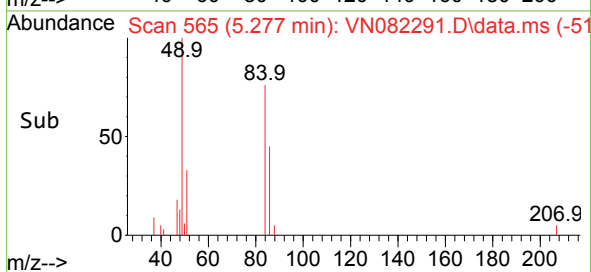
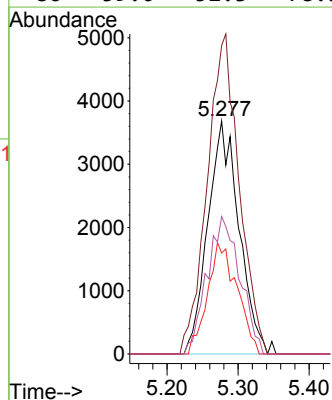
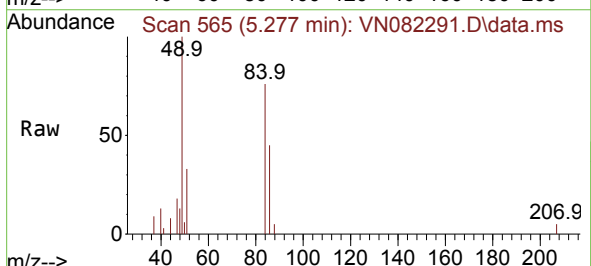
Instrument :
MSVOA_N
ClientSampleId :

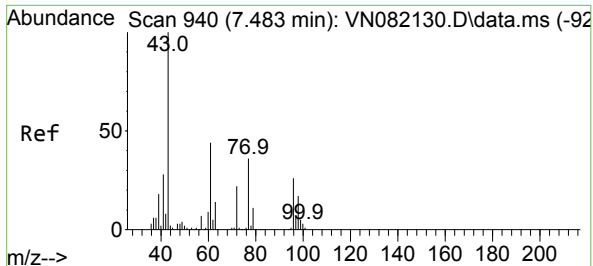
Tgt Ion: 43 Resp: 2925
Ion Ratio Lower Upper
43 100
74 10.1 22.2 33.2#



#20
Methylene Chloride
Concen: 4.422 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Tgt Ion: 84 Resp: 11264
Ion Ratio Lower Upper
84 100
49 132.4 84.9 127.3#
51 43.3 27.0 40.6#
86 59.0 52.3 78.5





#25

2-Butanone

Concen: 1.158 ug/l

RT: 7.494 min Scan# 94

Delta R.T. 0.012 min

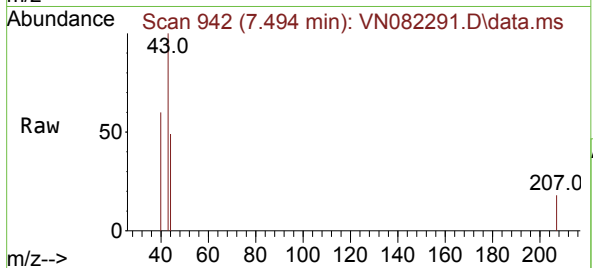
Lab File: VN082291.D

Acq: 22 May 2024 14:17

Instrument :

MSVOA_N

ClientSampleId :

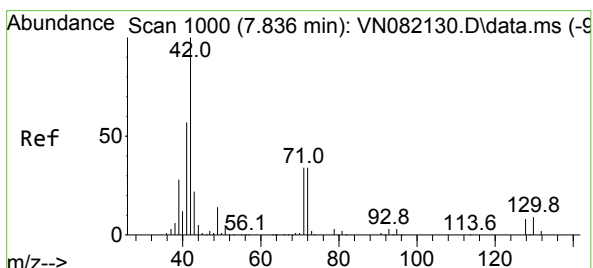
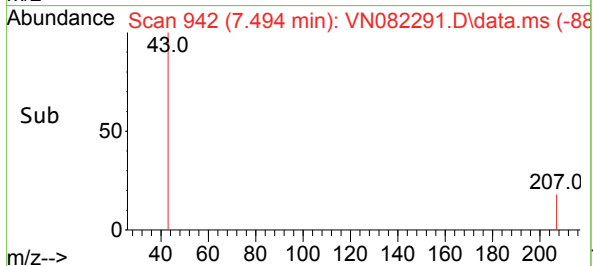
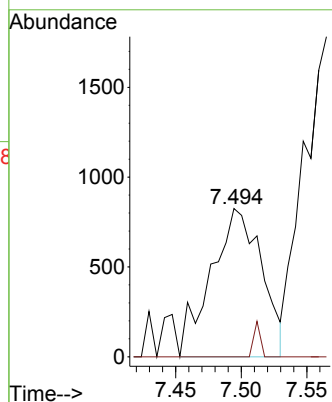


Tgt Ion: 43 Resp: 2216

Ion Ratio Lower Upper

43 100

72 0.0 25.3 37.9#



#29

Tetrahydrofuran

Concen: 0.389 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.005 min

Lab File: VN082291.D

Acq: 22 May 2024 14:17

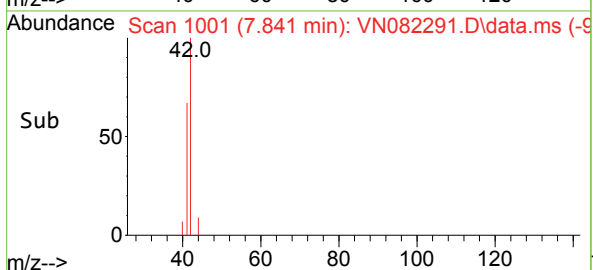
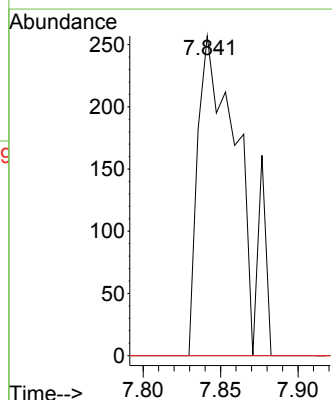
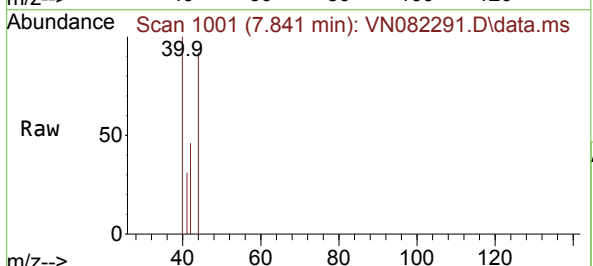
Tgt Ion: 42 Resp: 478

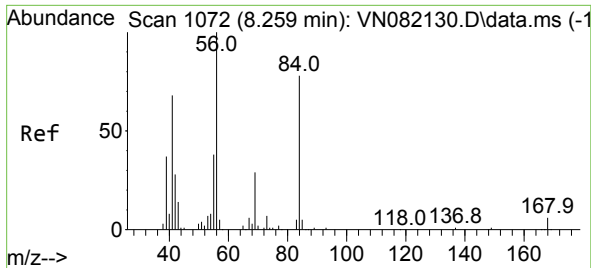
Ion Ratio Lower Upper

42 100

72 0.0 39.3 58.9#

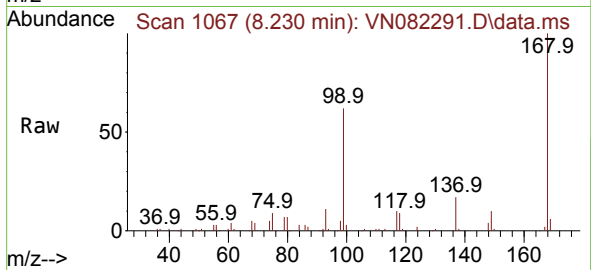
71 0.0 37.4 56.0#



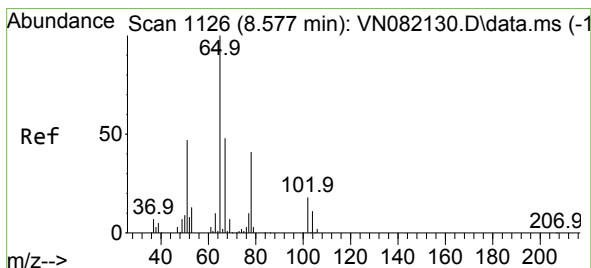
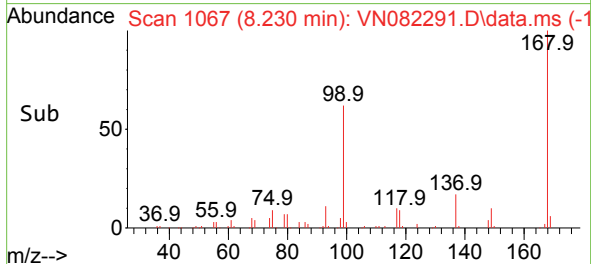
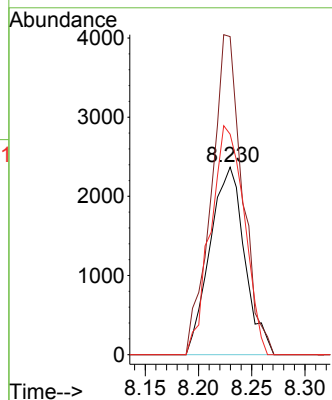


#31
Cyclohexane
Concen: 1.090 ug/l
RT: 8.230 min Scan# 1072
Delta R.T. -0.029 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :

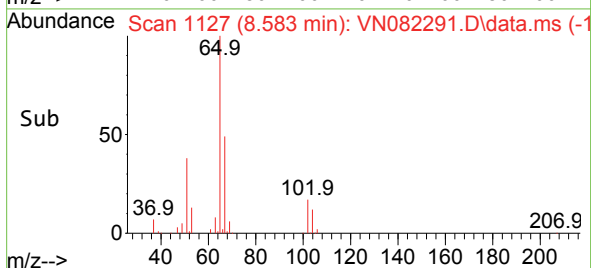
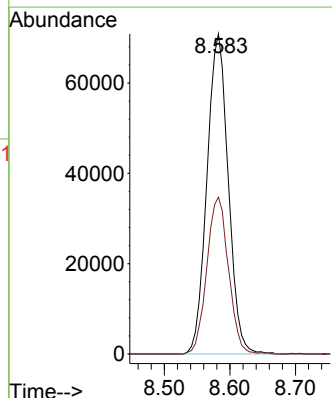
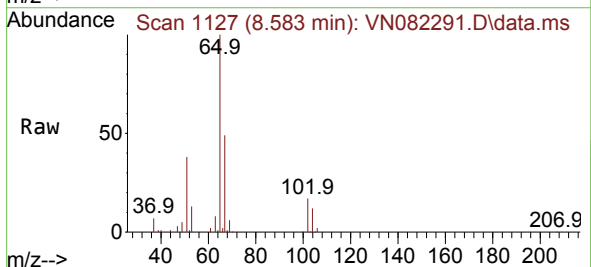


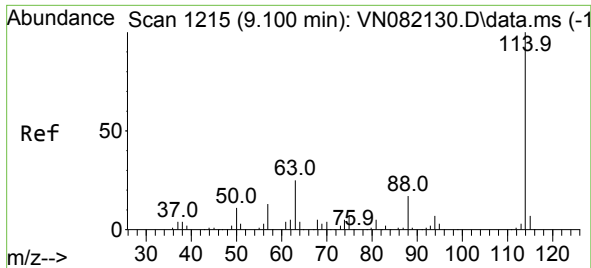
Tgt Ion: 56 Resp: 5358
Ion Ratio Lower Upper
56 100
69 169.6 24.4 36.6#
84 117.6 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 51.952 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Tgt Ion: 65 Resp: 159876
Ion Ratio Lower Upper
65 100
67 49.8 0.0 103.0

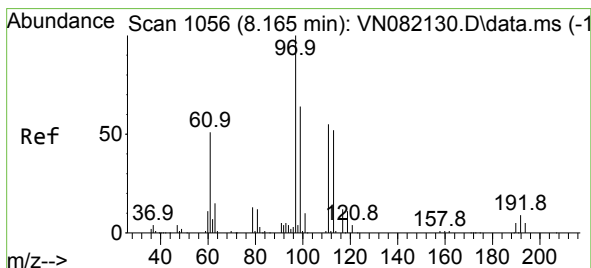
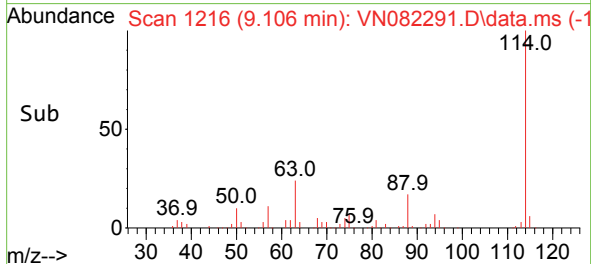
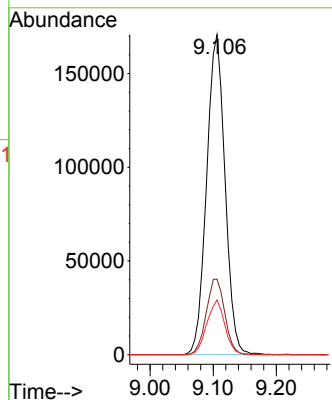
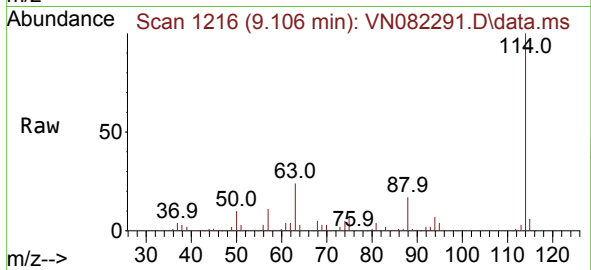




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

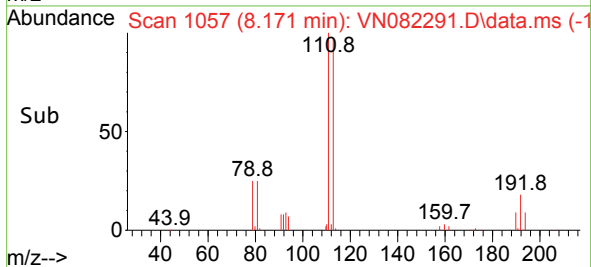
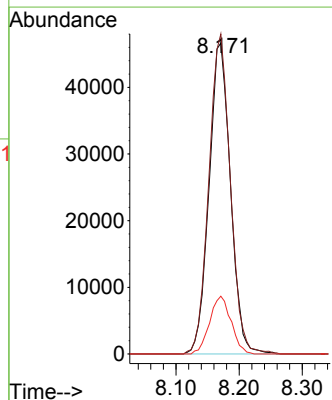
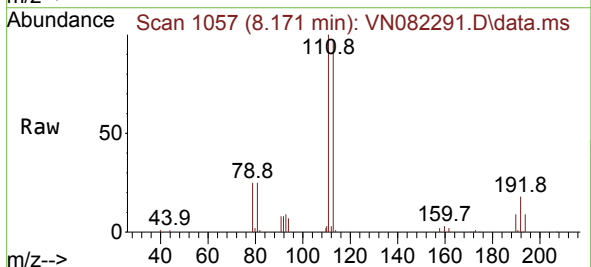
Instrument :
MSVOA_N
ClientSampleId :

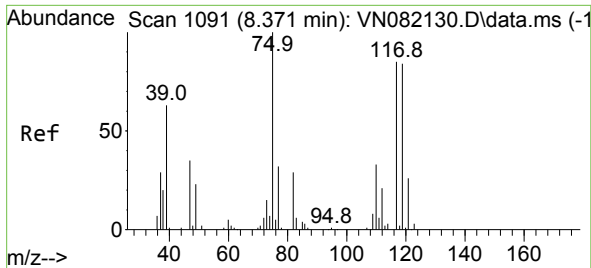
Tgt Ion:114 Resp: 345471
Ion Ratio Lower Upper
114 100
63 23.6 0.0 41.0
88 17.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.624 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

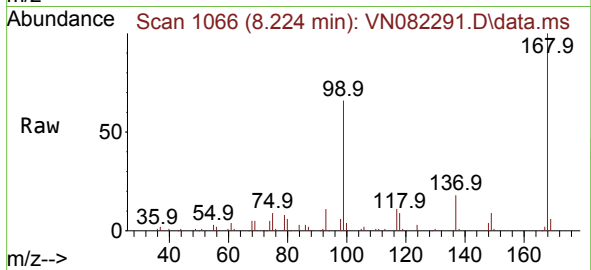
Tgt Ion:113 Resp: 109710
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.2
192 18.6 14.0 21.0



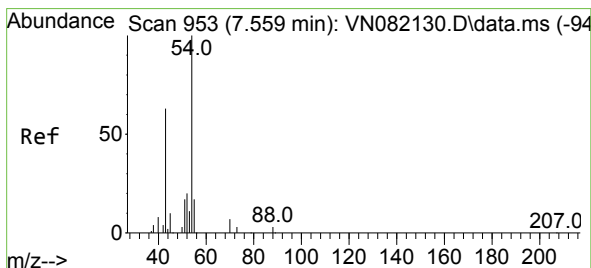
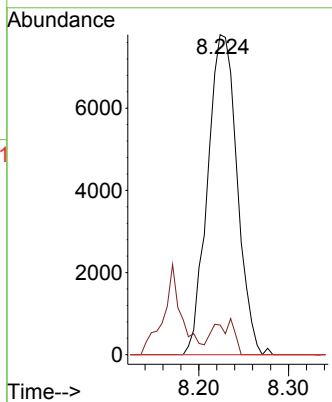
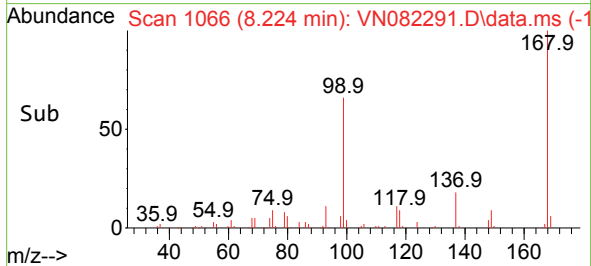


#36
1,1-Dichloropropene
Concen: 4.997 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :

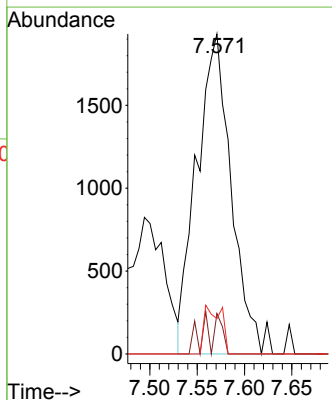
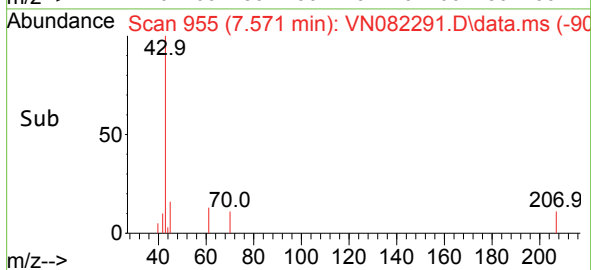
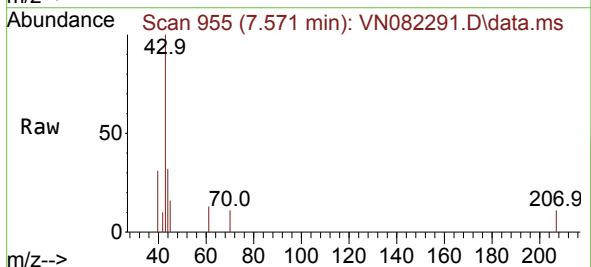


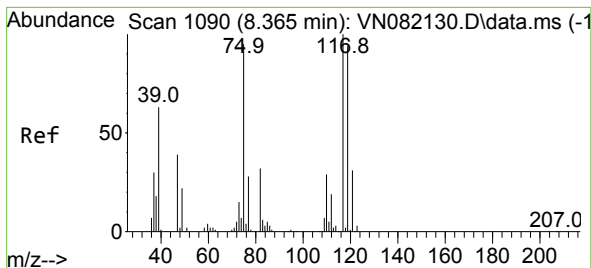
Tgt Ion: 75 Resp: 17809
Ion Ratio Lower Upper
75 100
110 7.5 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.237 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Tgt Ion: 43 Resp: 4933
Ion Ratio Lower Upper
43 100
61 2.9 11.3 16.9#
70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.912 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

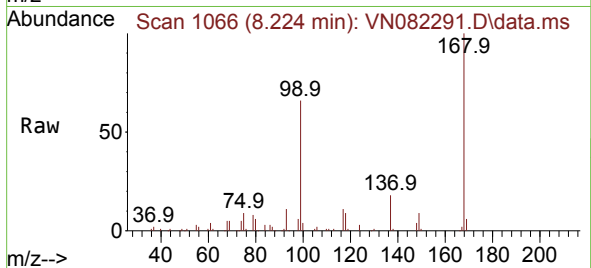
Lab File: VN082291.D

Acq: 22 May 2024 14:17

Instrument :

MSVOA_N

ClientSampleId :



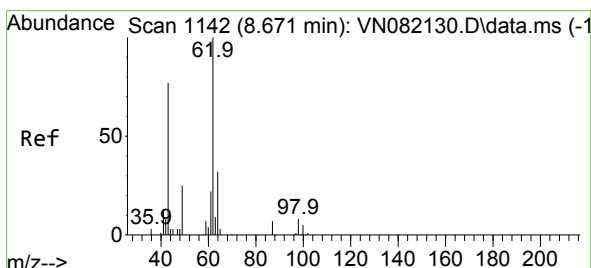
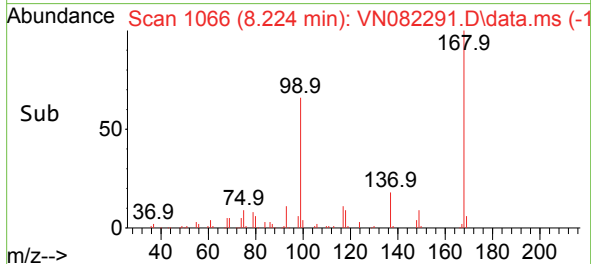
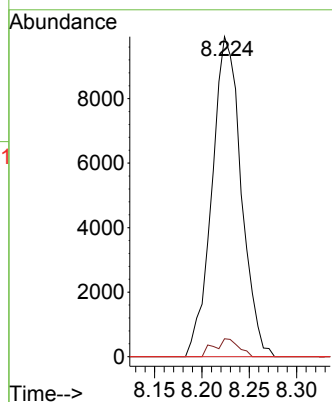
Tgt Ion:117 Resp: 21359

Ion Ratio Lower Upper

117 100

119 5.6 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.271 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN082291.D

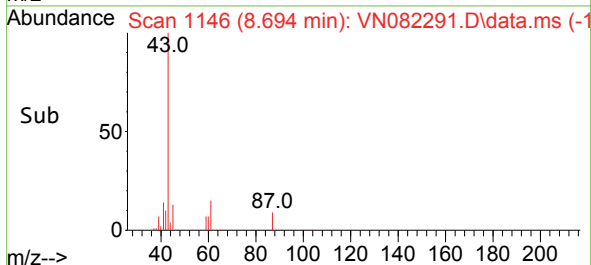
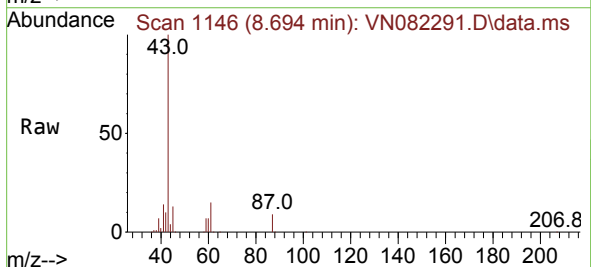
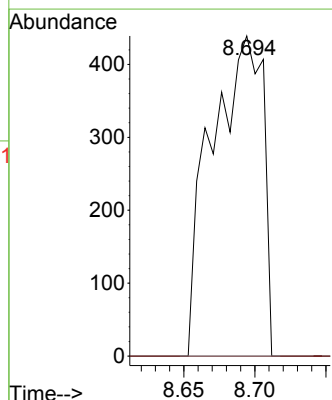
Acq: 22 May 2024 14:17

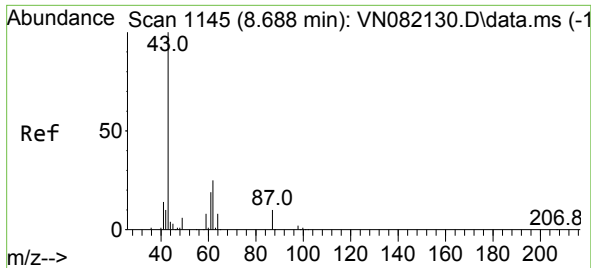
Tgt Ion: 62 Resp: 1107

Ion Ratio Lower Upper

62 100

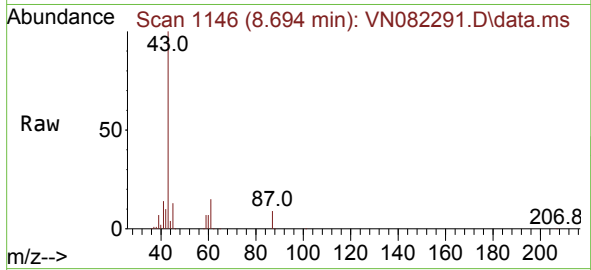
98 0.0 0.0 19.6



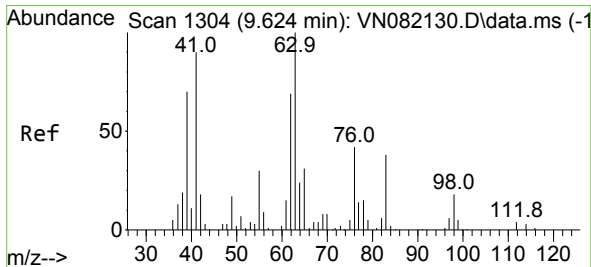
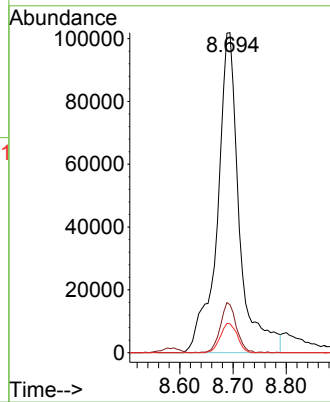
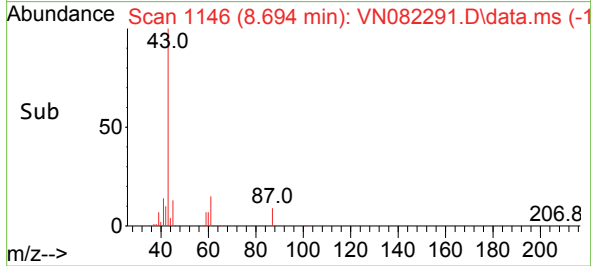


#43
Isopropyl Acetate
Concen: 41.312 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :

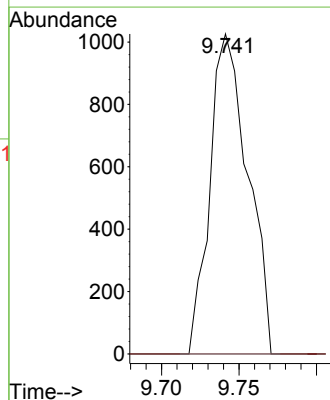
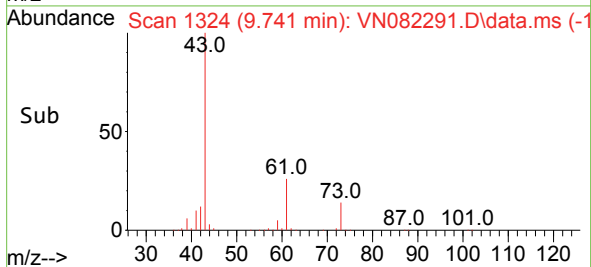
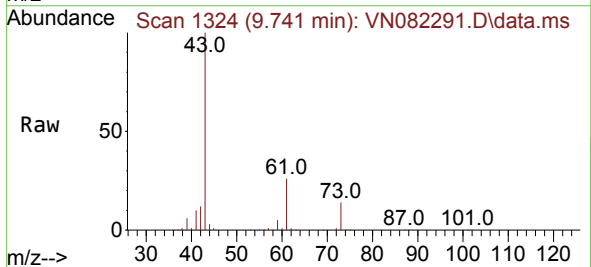


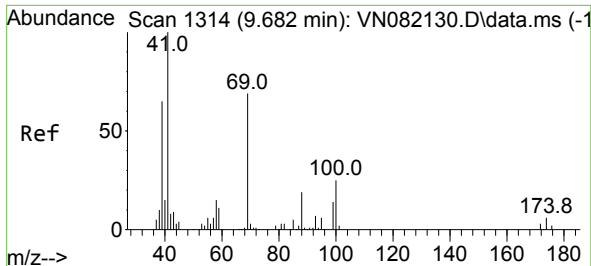
Tgt Ion: 43 Resp: 291991
Ion Ratio Lower Upper
43 100
61 11.4 22.8 34.2#
87 7.1 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.637 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Tgt Ion: 63 Resp: 1747
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

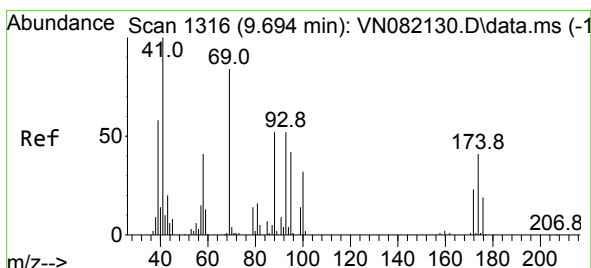
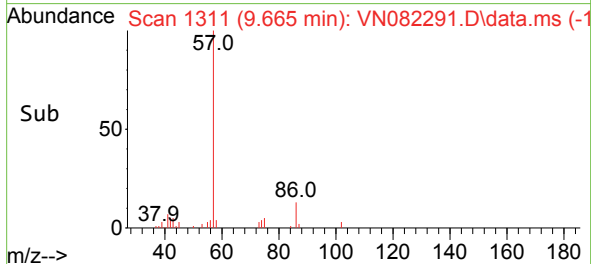
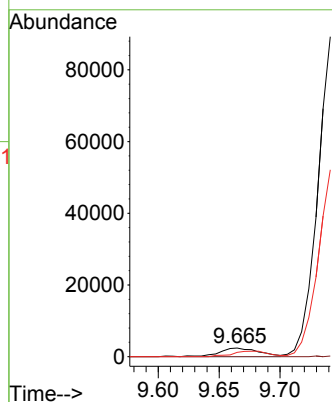
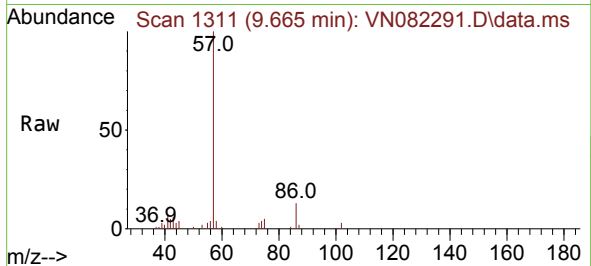




#48
Methyl methacrylate
Concen: 1.605 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

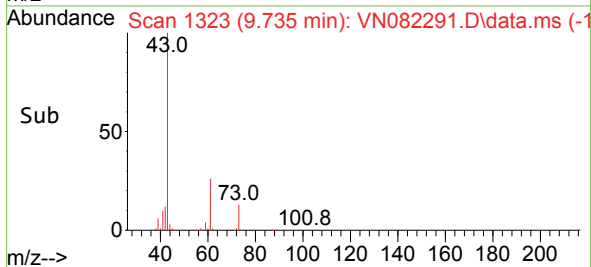
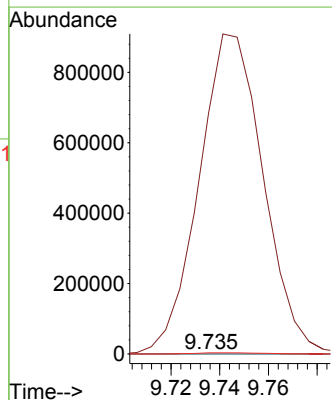
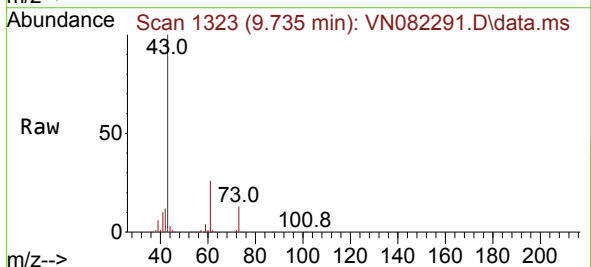
Instrument :
MSVOA_N
ClientSampleId :

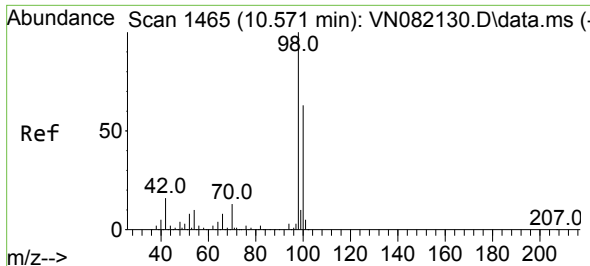
Tgt Ion: 41 Resp: 5405
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 57.6 50.9 76.3



#49
1,4-Dioxane
Concen: 3.941 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Tgt Ion: 88 Resp: 186
Ion Ratio Lower Upper
88 100
43 899291.4 19.0 28.6#
58 3355.9 50.6 76.0#

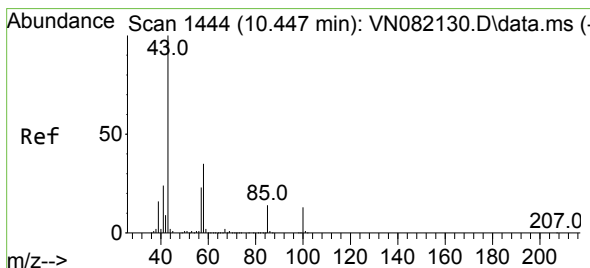
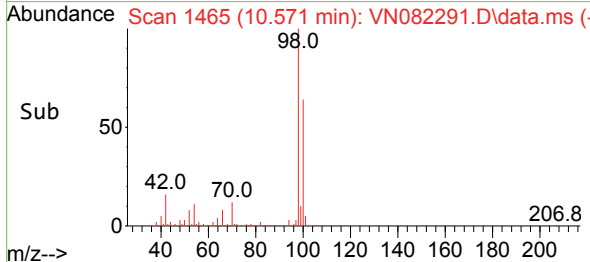
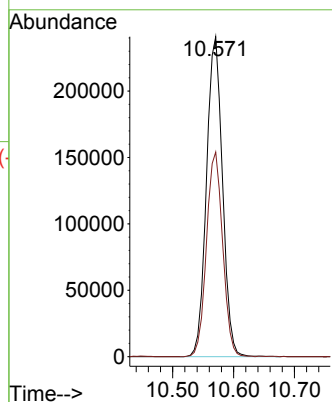
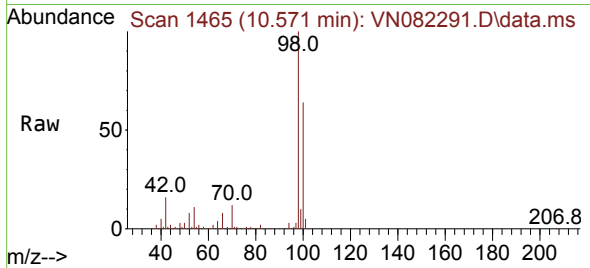




#50
Toluene-d8
Concen: 54.009 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

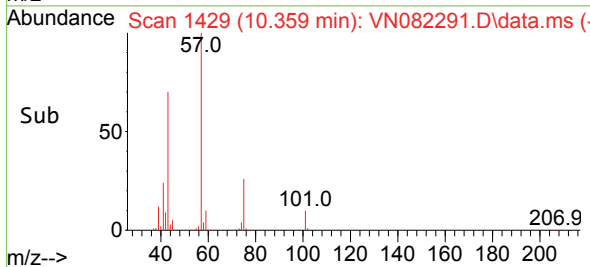
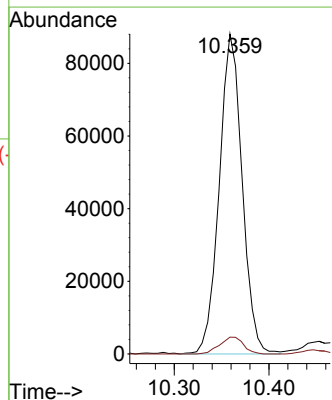
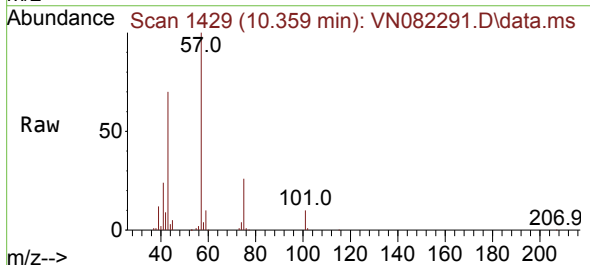
Instrument :
MSVOA_N
ClientSampleId :

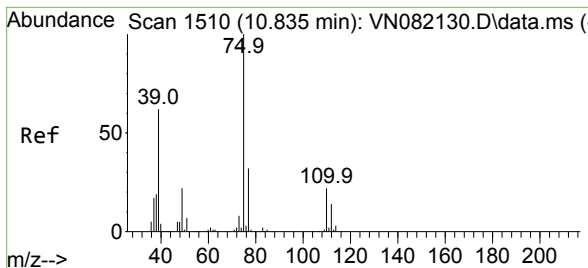
Tgt Ion: 98 Resp: 440049
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 36.943 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

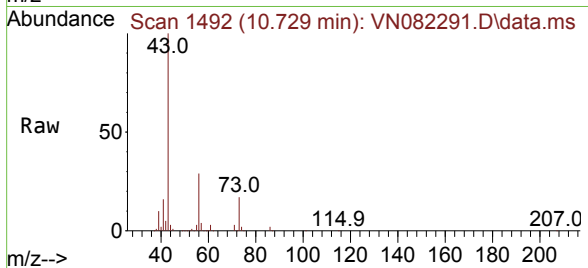
Tgt Ion: 43 Resp: 148354
Ion Ratio Lower Upper
43 100
58 5.5 33.2 49.8#



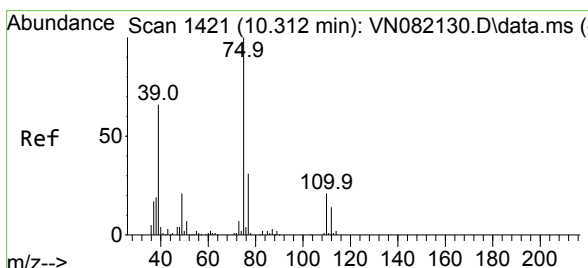
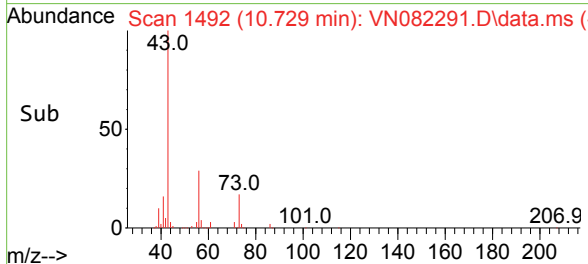
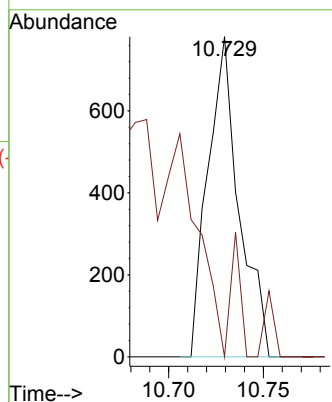


#53
 t-1,3-Dichloropropene
 Concen: 0.227 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082291.D
 Acq: 22 May 2024 14:17

Instrument :
 MSVOA_N
 ClientSampleId :

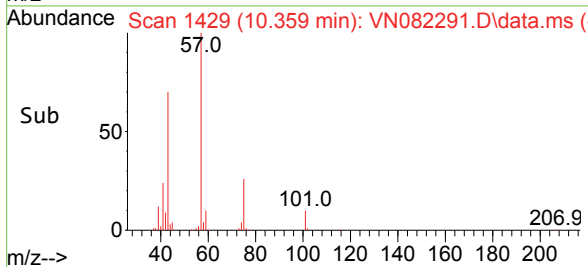
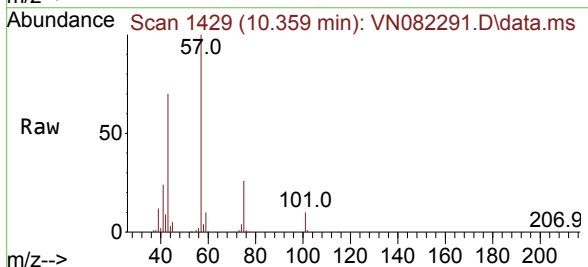
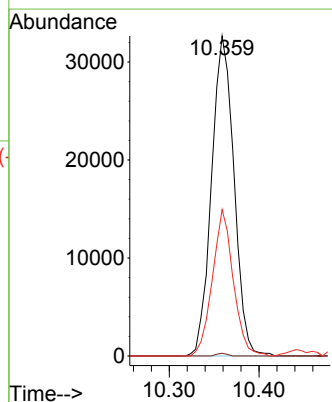


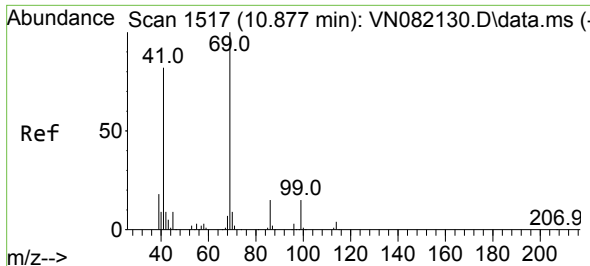
Tgt Ion: 75 Resp: 892
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.635 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082291.D
 Acq: 22 May 2024 14:17

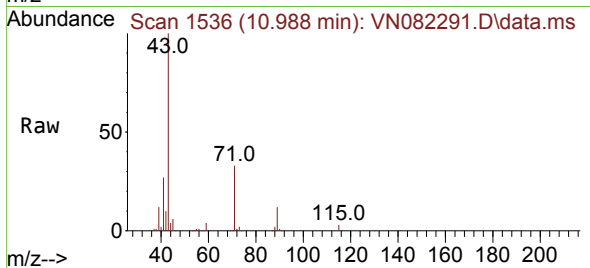
Tgt Ion: 75 Resp: 56736
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.0 37.4#
 39 45.7 34.8 52.2



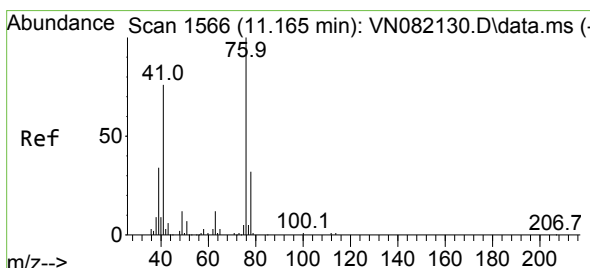
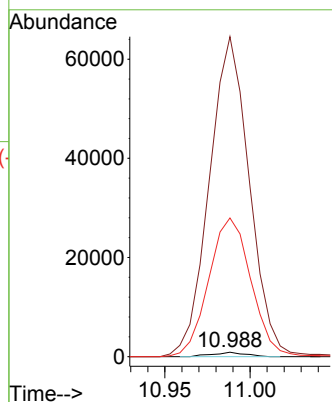
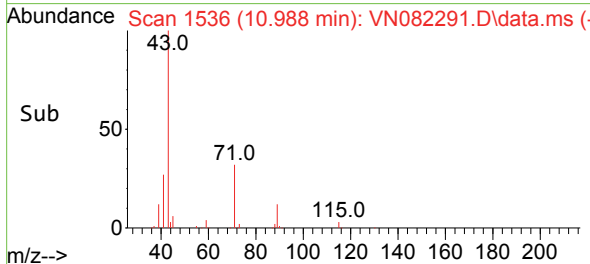


#56
Ethyl methacrylate
Concen: 0.305 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :

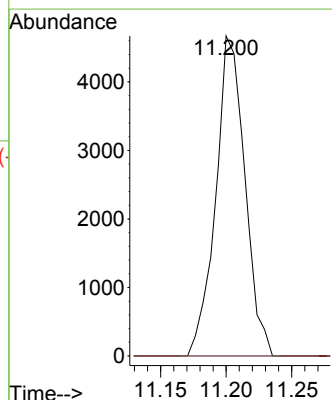
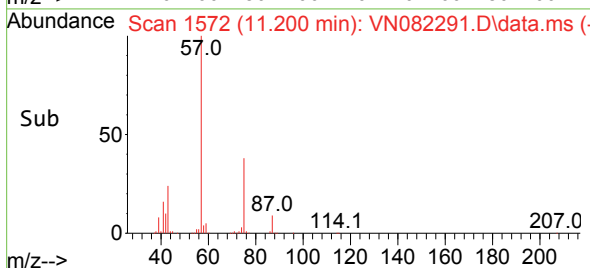
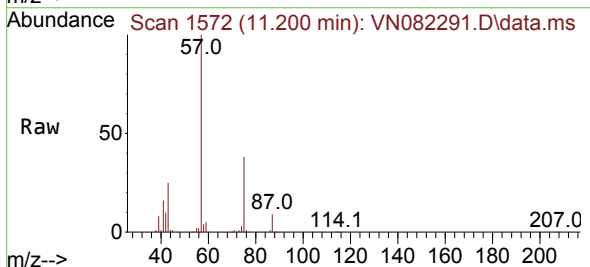


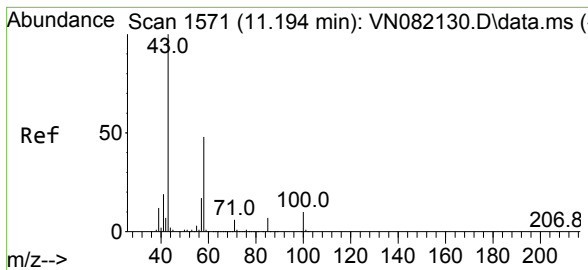
Tgt Ion: 69 Resp: 1202
Ion Ratio Lower Upper
69 100
41 8828.7 46.6 70.0#
39 4026.7 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.665 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Tgt Ion: 76 Resp: 7215
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

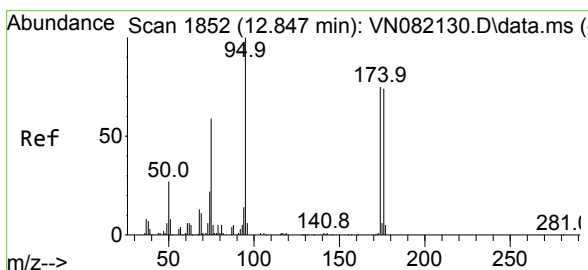
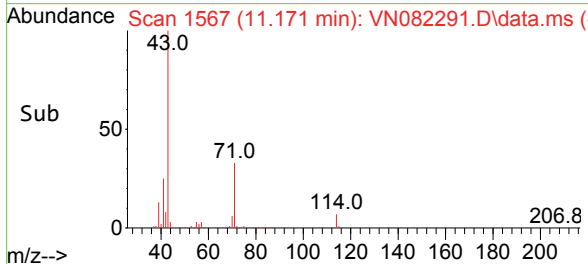
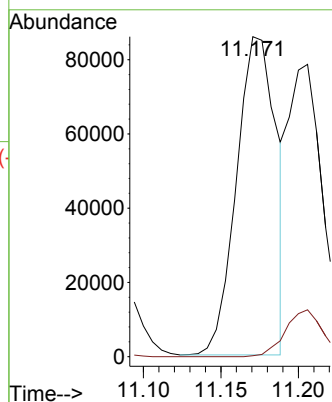
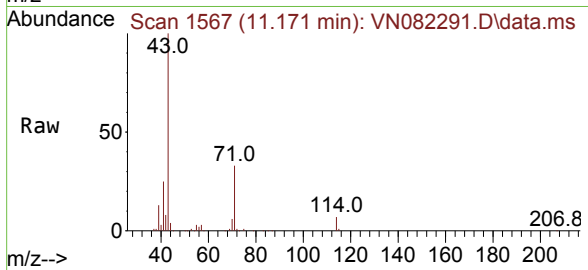




#59
2-Hexanone
Concen: 52.185 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

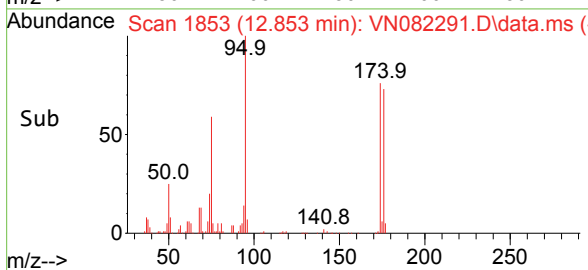
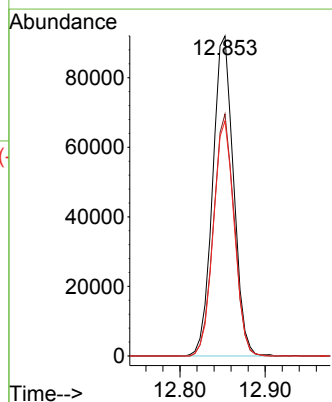
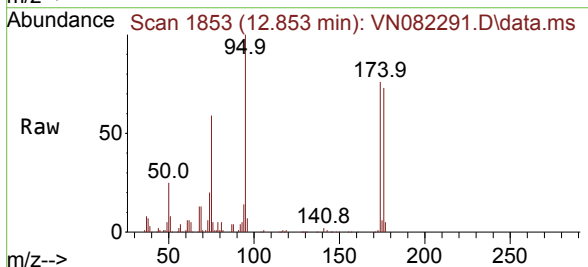
Instrument :
MSVOA_N
ClientSampleId :

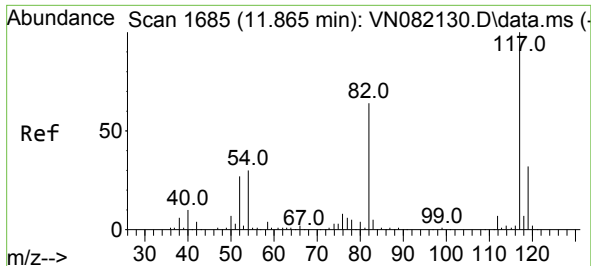
Tgt Ion: 43 Resp: 153443
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.945 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

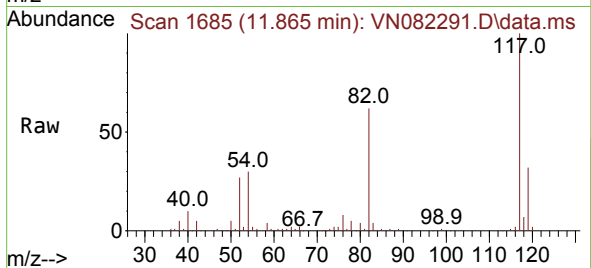
Tgt Ion: 95 Resp: 156878
Ion Ratio Lower Upper
95 100
174 75.1 0.0 160.6
176 73.3 0.0 152.8



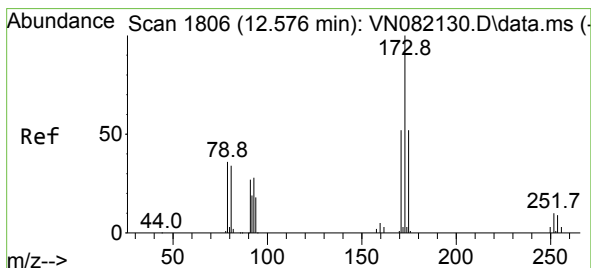
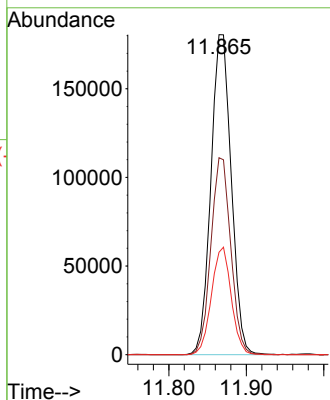
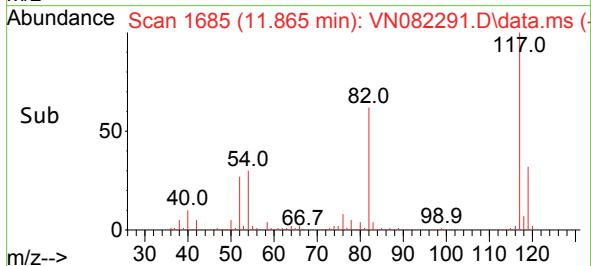


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

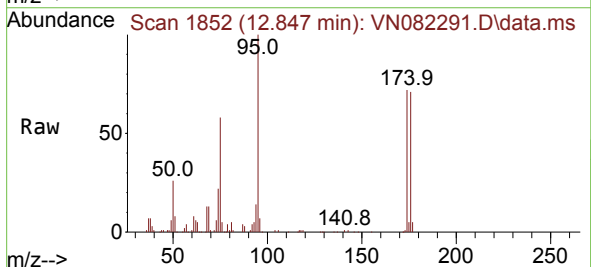
Instrument :
MSVOA_N
ClientSampleId :



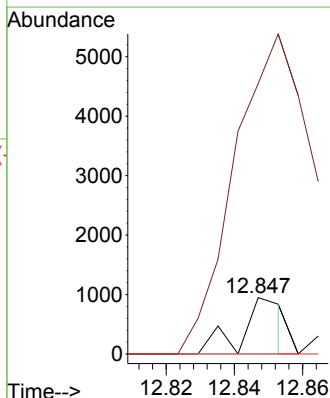
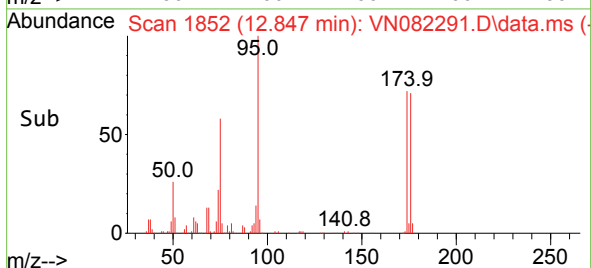
Tgt Ion:117 Resp: 329651
Ion Ratio Lower Upper
117 100
82 61.5 44.6 66.8
119 32.0 25.9 38.9

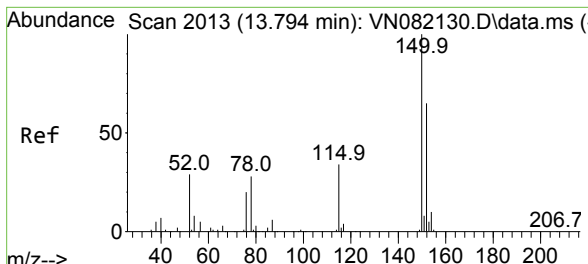


#71
Bromoform
Concen: 1.113 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17



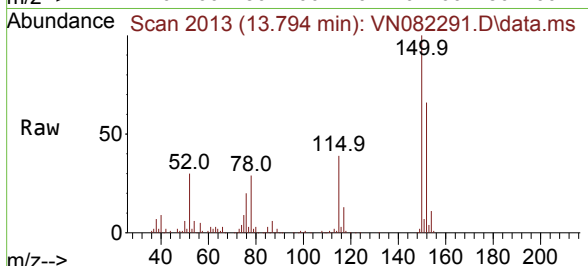
Tgt Ion:173 Resp: 797
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



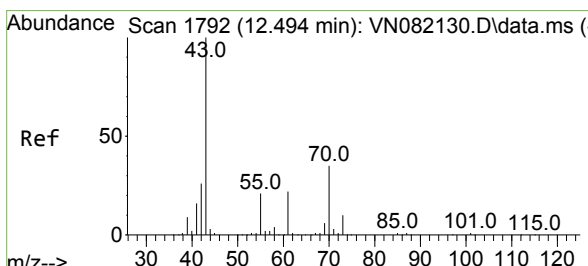
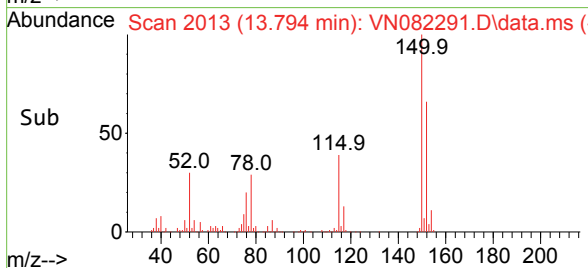
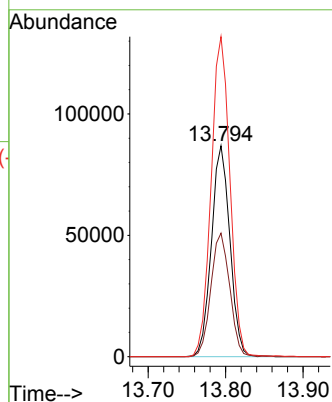


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082291.D
 Acq: 22 May 2024 14:17

Instrument :
 MSVOA_N
 ClientSampleId :

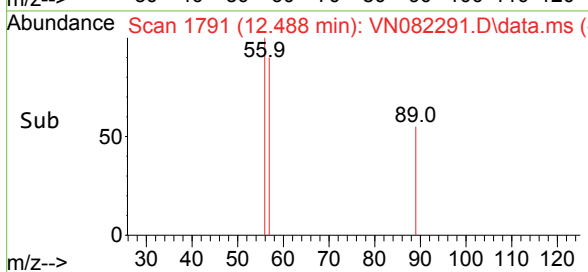
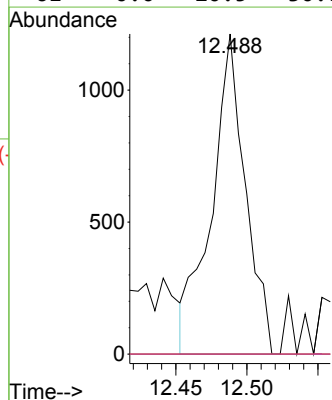
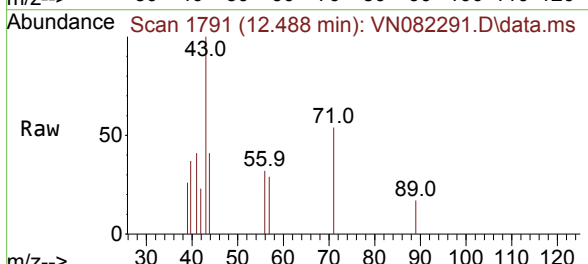


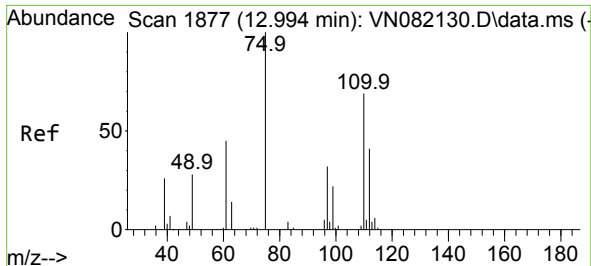
Tgt Ion:152 Resp: 143938
 Ion Ratio Lower Upper
 152 100
 115 59.6 30.4 91.3
 150 154.3 0.0 353.2



#74
 N-amy1 acetate
 Concen: 0.320 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN082291.D
 Acq: 22 May 2024 14:17

Tgt Ion: 43 Resp: 2010
 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#

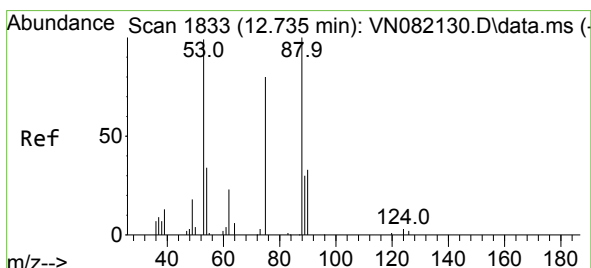
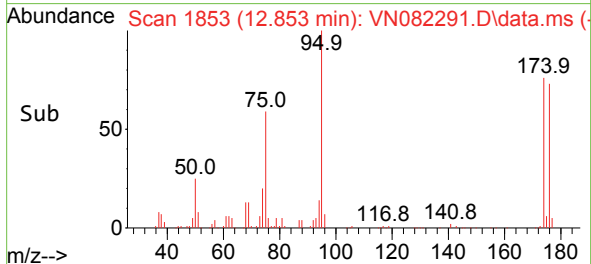
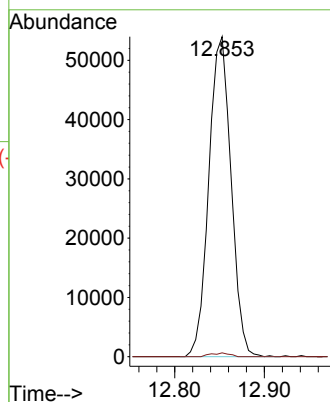
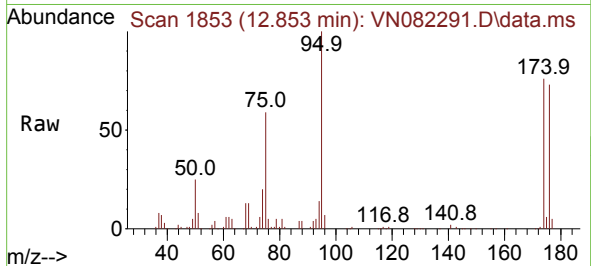




#76
1,2,3-Trichloropropane
Concen: 30.688 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 92972
Ion Ratio Lower Upper
75 100
77 1.0 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.779 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082291.D
Acq: 22 May 2024 14:17

Tgt Ion: 75 Resp: 92972
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

