

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082292.D
 Acq On : 22 May 2024 15:01
 Operator : JC\MD
 Sample : PB161037ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 02:07:29 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)

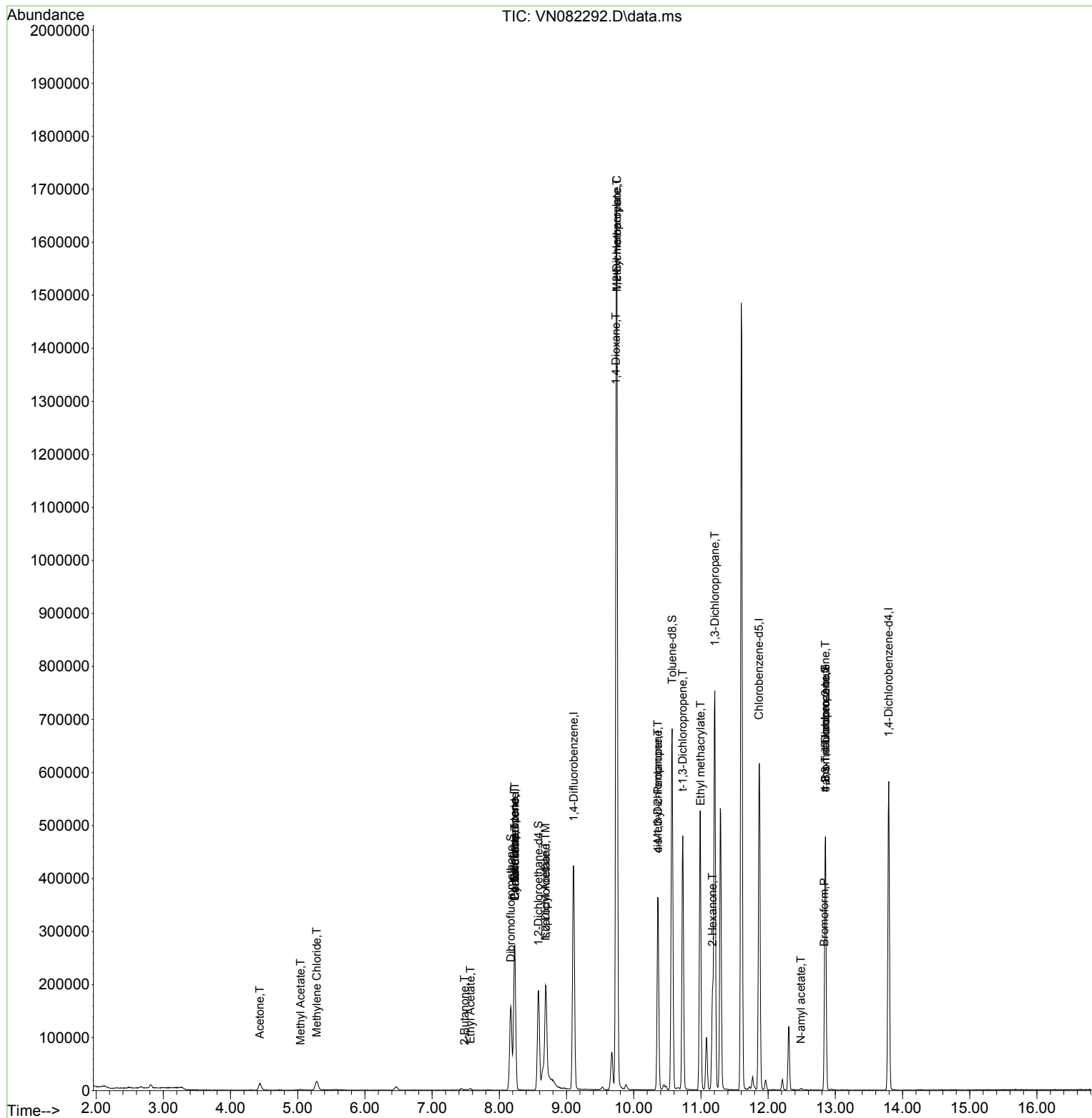
Internal Standards						
1) Pentafluorobenzene	8.230	168	189542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	341097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	158139	52.838	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.680%			
35) Dibromofluoromethane	8.171	113	110895	52.851	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.700%			
50) Toluene-d8	10.571	98	434076	53.959	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.920%			
62) 4-Bromofluorobenzene	12.853	95	155521	54.164	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 108.320%			
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	24054	19.592	ug/l	91
18) Methyl Acetate	5.042	43	3589	1.174	ug/l #	61
20) Methylene Chloride	5.283	84	12325	4.976	ug/l #	82
25) 2-Butanone	7.483	43	1711	0.919	ug/l #	43
31) Cyclohexane	8.230	56	5279	1.104	ug/l #	25
36) 1,1-Dichloropropene	8.224	75	17191	4.885	ug/l #	50
37) Ethyl Acetate	7.571	43	5231	1.328	ug/l #	86
38) Carbon Tetrachloride	8.230	117	21851	6.125	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1110	0.275	ug/l #	73
43) Isopropyl Acetate	8.688	43	288498	41.341	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	2054	0.759	ug/l #	45
48) Methyl methacrylate	9.747	41	169149	50.868	ug/l #	37
49) 1,4-Dioxane	9.735	88	64	1.374	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	148389	37.425	ug/l #	42
53) t-1,3-Dichloropropene	10.730	75	910	0.234	ug/l #	60
54) cis-1,3-Dichloropropene	10.359	75	56697	13.801	ug/l #	74
56) Ethyl methacrylate	10.994	69	1258	0.324	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7617	1.780	ug/l #	42
59) 2-Hexanone	11.171	43	153630	52.918	ug/l #	23
71) Bromoform	12.835	173	179	0.794	ug/l #	28
74) N-amyl acetate	12.488	43	1947	0.318	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	91638	31.115	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	91638	72.777	ug/l #	12

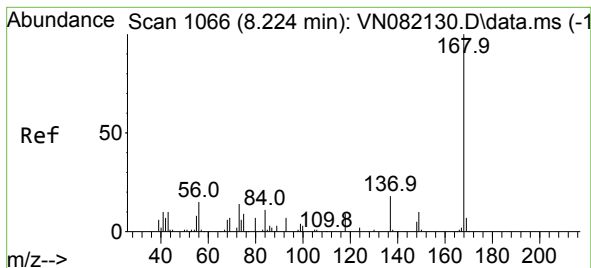
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082292.D

Acq: 22 May 2024 15:01

Instrument :

MSVOA_N

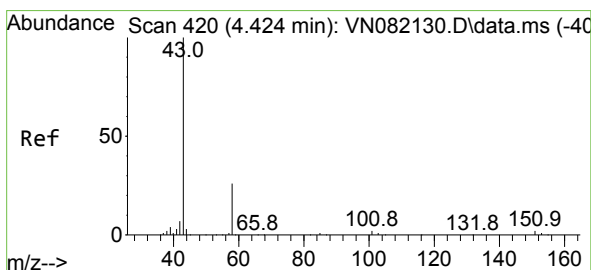
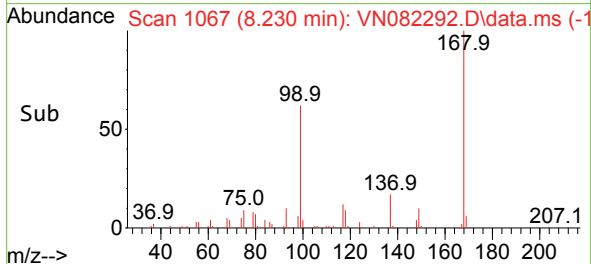
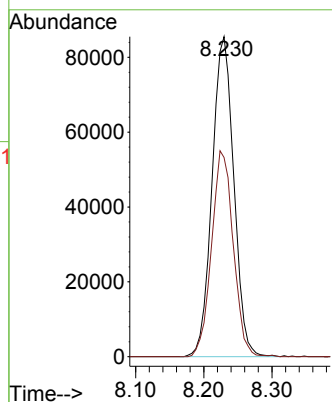
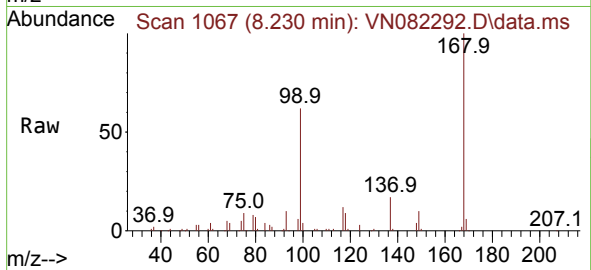
ClientSampleId :

Tgt Ion:168 Resp: 189542

Ion Ratio Lower Upper

168 100

99 62.2 48.2 72.4



#16

Acetone

Concen: 19.592 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN082292.D

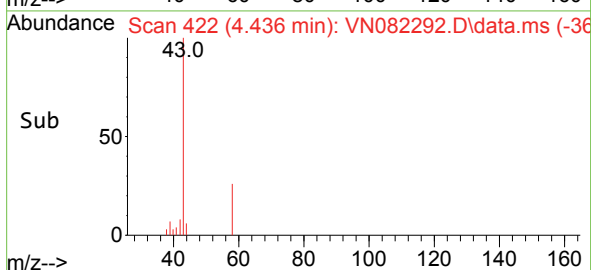
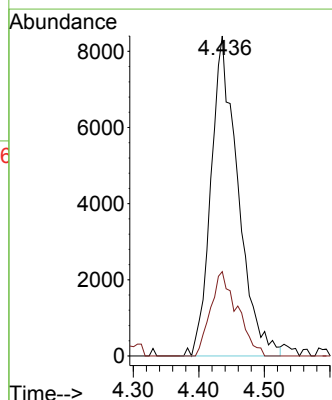
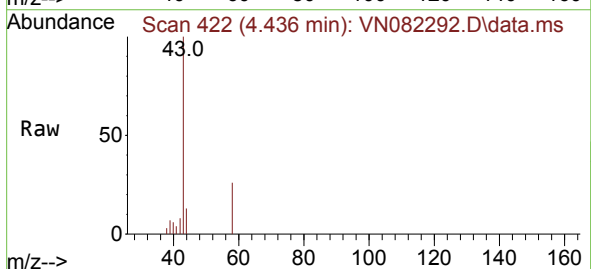
Acq: 22 May 2024 15:01

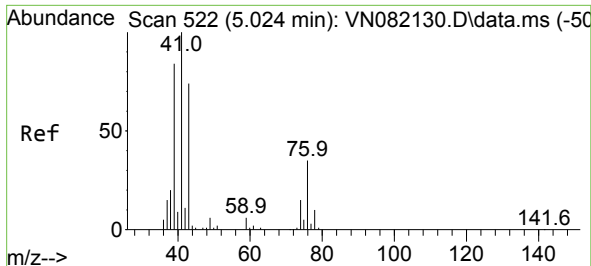
Tgt Ion: 43 Resp: 24054

Ion Ratio Lower Upper

43 100

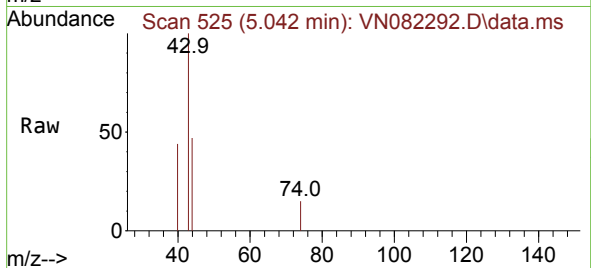
58 26.3 25.2 37.8



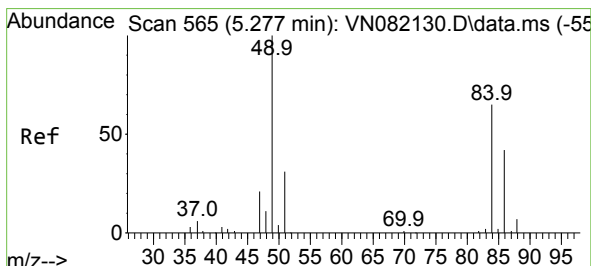
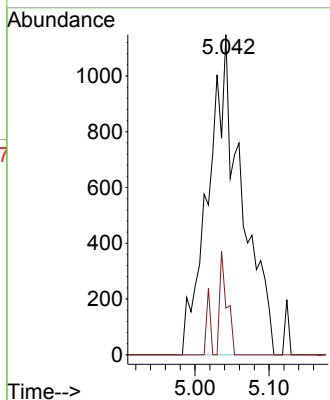
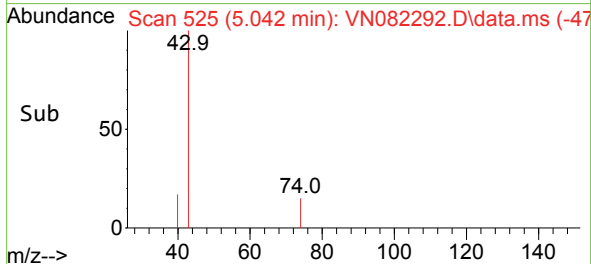


#18
Methyl Acetate
Concen: 1.174 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

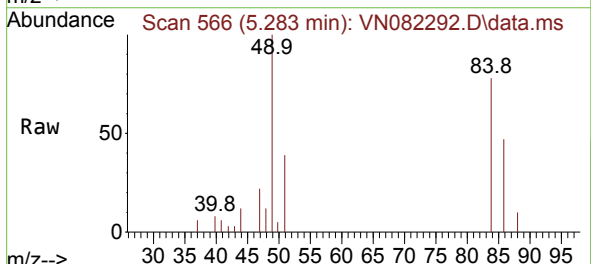
Instrument :
MSVOA_N
ClientSampleId :



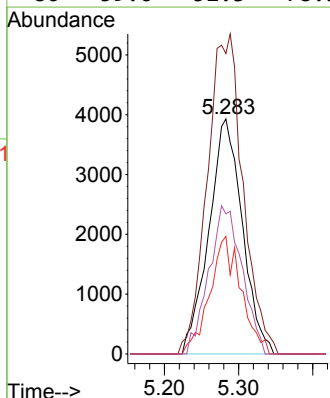
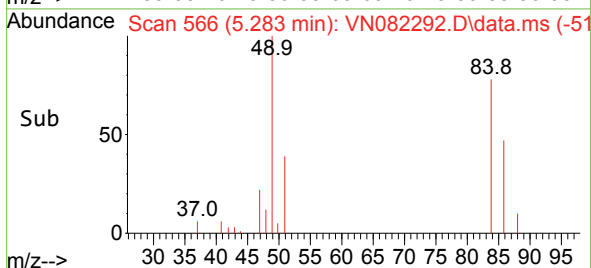
Tgt Ion: 43 Resp: 3589
Ion Ratio Lower Upper
43 100
74 7.0 22.2 33.2#

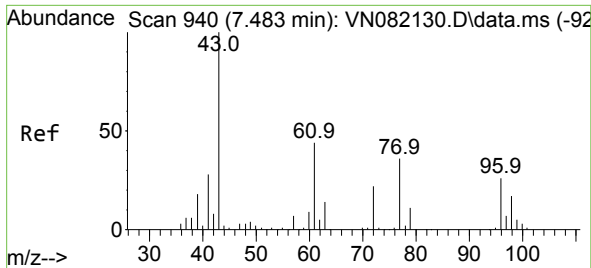


#20
Methylene Chloride
Concen: 4.976 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01



Tgt Ion: 84 Resp: 12325
Ion Ratio Lower Upper
84 100
49 127.8 84.9 127.3#
51 50.0 27.0 40.6#
86 59.6 52.3 78.5

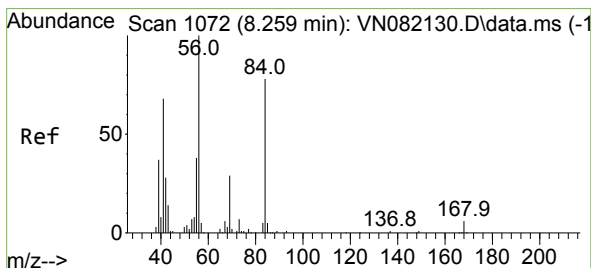
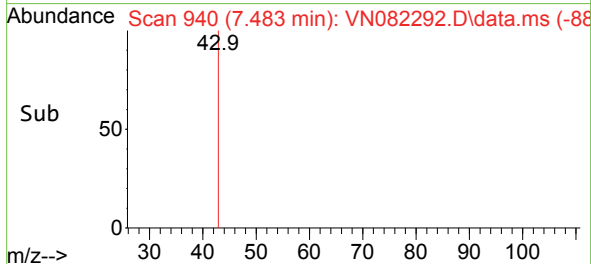
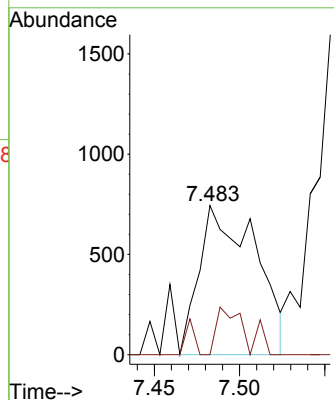
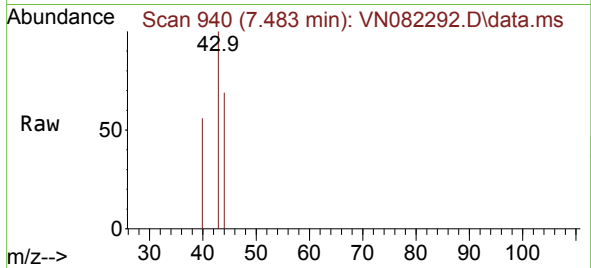




#25
2-Butanone
Concen: 0.919 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

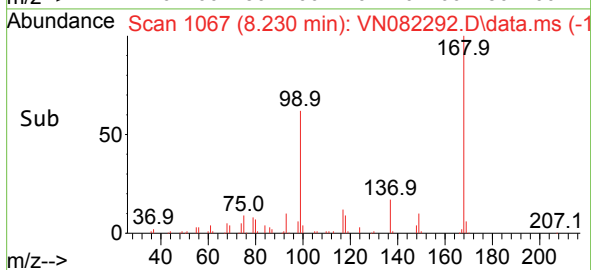
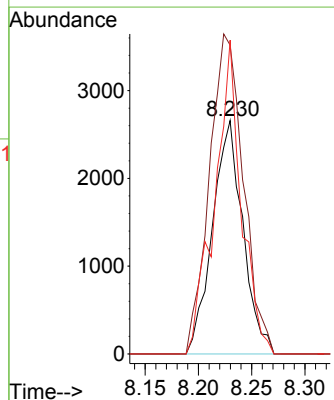
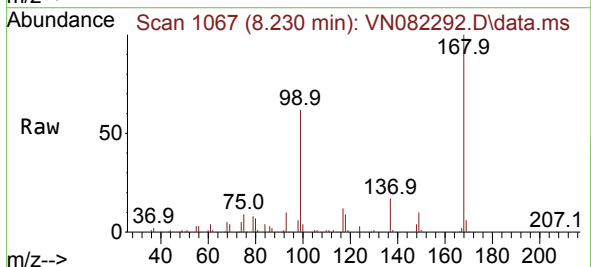
Instrument :
MSVOA_N
ClientSampleId :

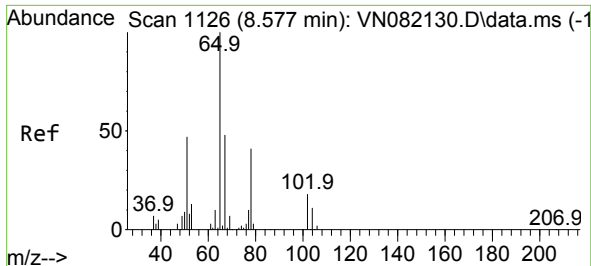
Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#31
Cyclohexane
Concen: 1.104 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

Tgt Ion: 56 Resp: 5279
Ion Ratio Lower Upper
56 100
69 132.3 24.4 36.6#
84 134.4 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 52.838 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082292.D

Acq: 22 May 2024 15:01

Instrument :

MSVOA_N

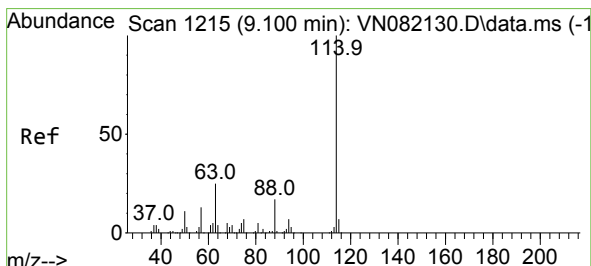
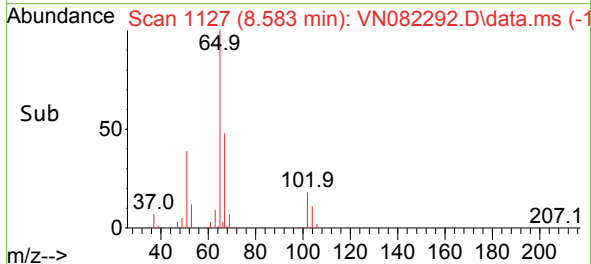
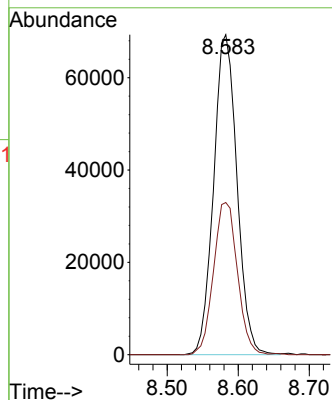
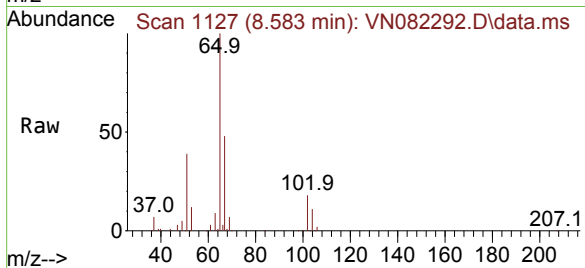
ClientSampleId :

Tgt Ion: 65 Resp: 158139

Ion Ratio Lower Upper

65 100

67 48.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082292.D

Acq: 22 May 2024 15:01

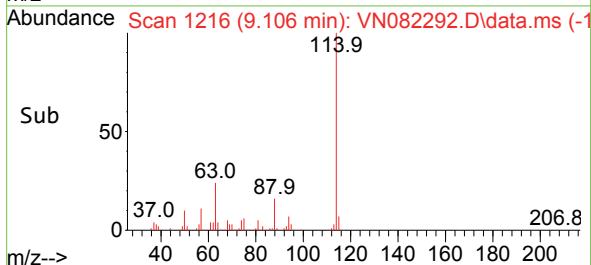
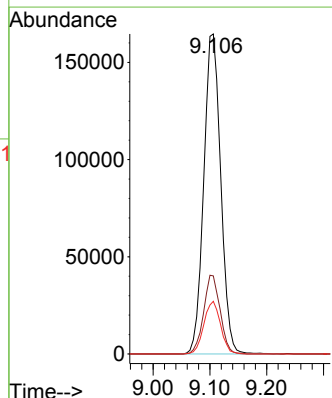
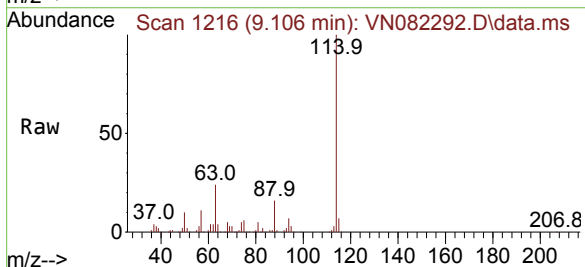
Tgt Ion: 114 Resp: 341097

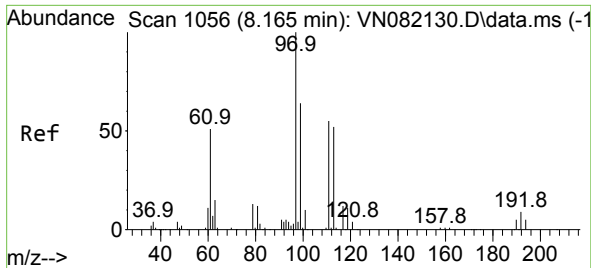
Ion Ratio Lower Upper

114 100

63 24.4 0.0 41.0

88 16.5 0.0 31.4

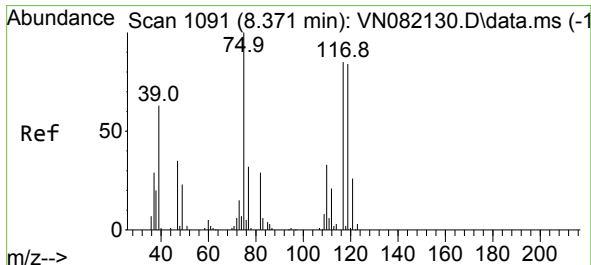
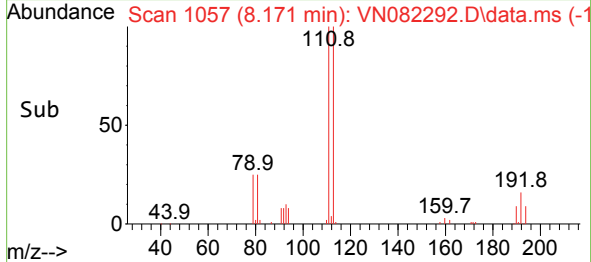
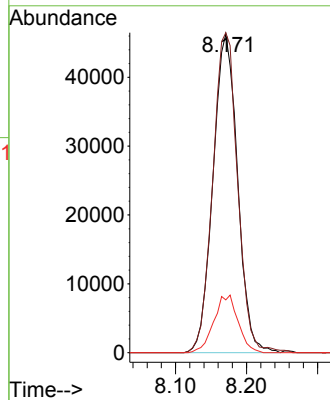
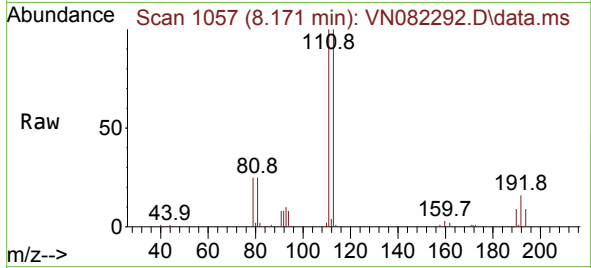




#35
Dibromofluoromethane
Concen: 52.851 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

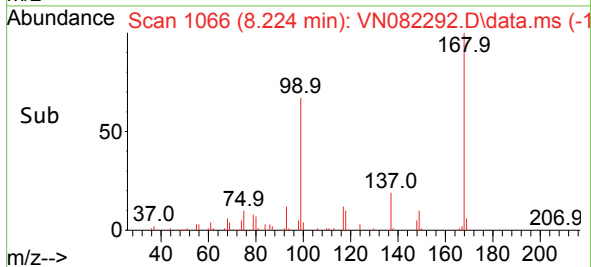
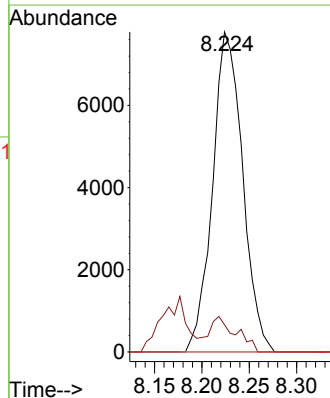
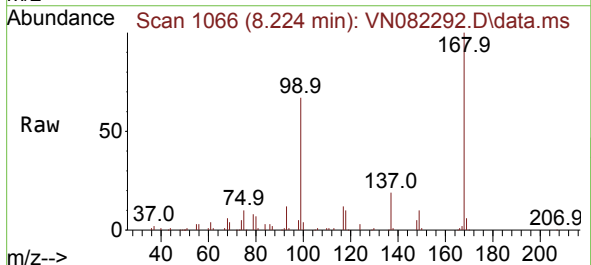
Instrument :
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ClientSampleId :

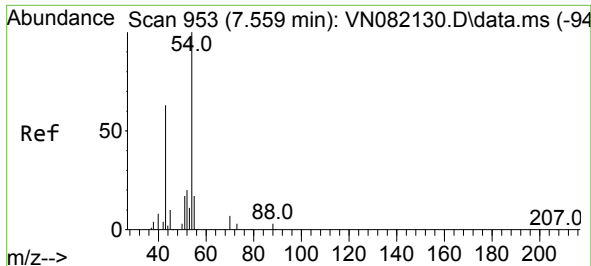
Tgt Ion:113 Resp: 110895
Ion Ratio Lower Upper
113 100
111 101.6 83.4 125.2
192 17.9 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.885 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

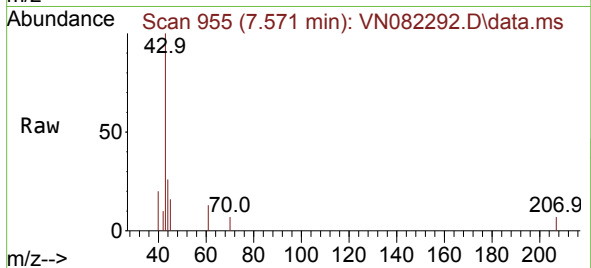
Tgt Ion: 75 Resp: 17191
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 25.0 37.4#



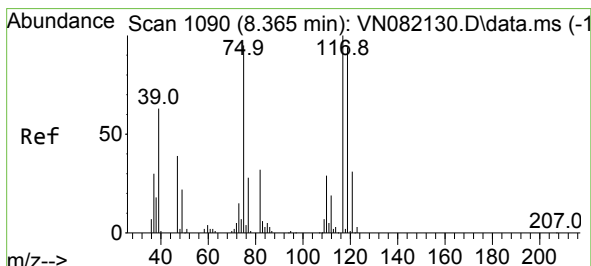
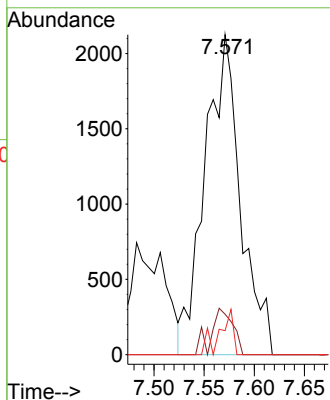
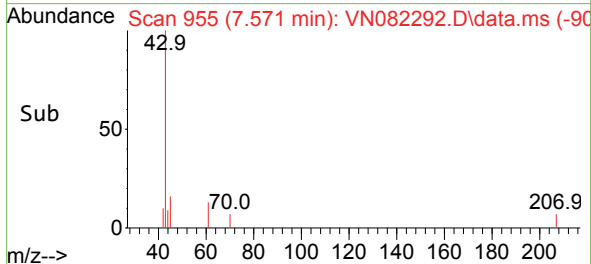


#37
Ethyl Acetate
Concen: 1.328 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

Instrument :
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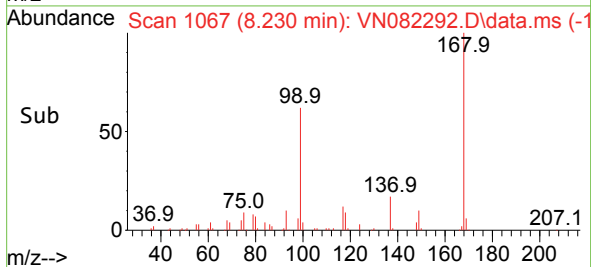
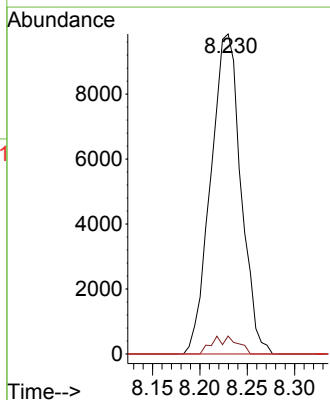
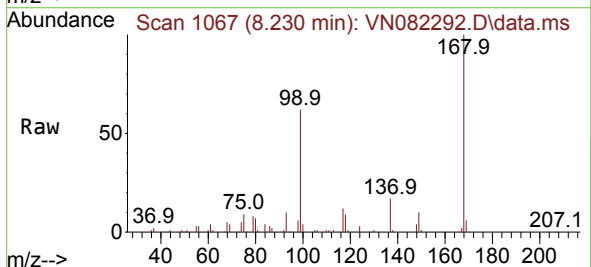


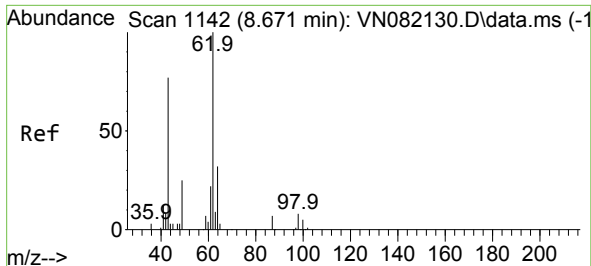
Tgt Ion: 43 Resp: 5231
Ion Ratio Lower Upper
43 100
61 8.9 11.3 16.9#
70 5.4 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 6.125 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

Tgt Ion: 117 Resp: 21851
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: 0.275 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082292.D

Acq: 22 May 2024 15:01

Instrument :

MSVOA_N

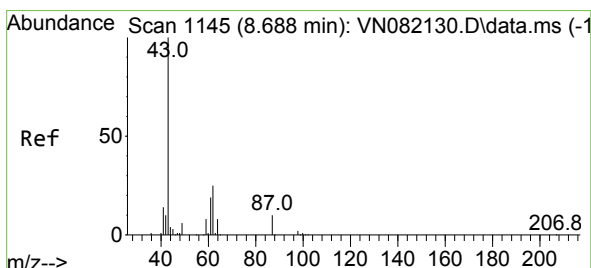
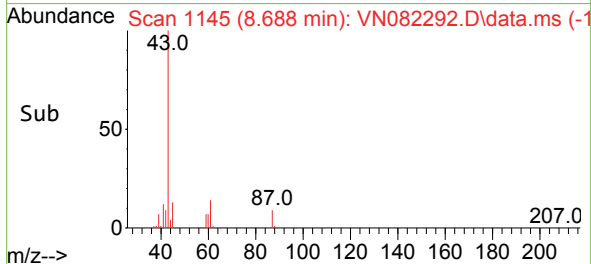
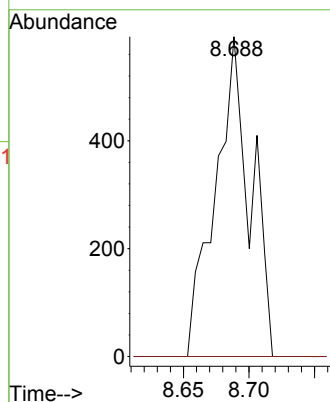
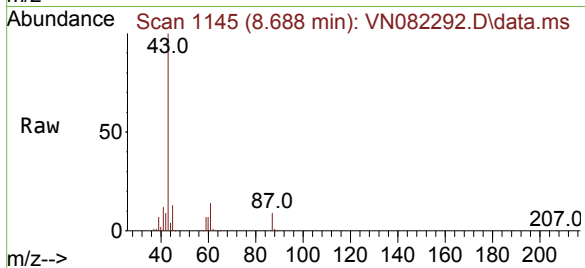
ClientSampleId :

Tgt Ion: 62 Resp: 1110

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 41.341 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082292.D

Acq: 22 May 2024 15:01

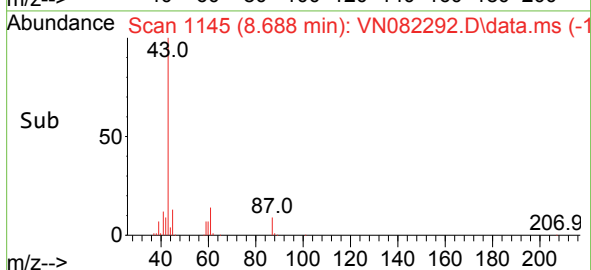
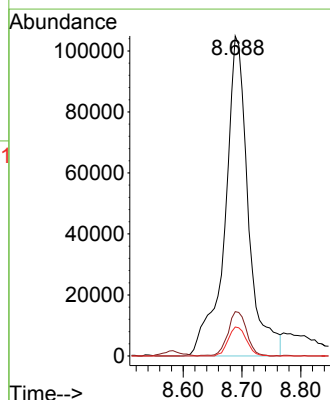
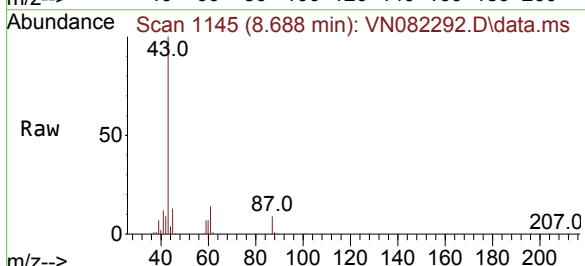
Tgt Ion: 43 Resp: 288498

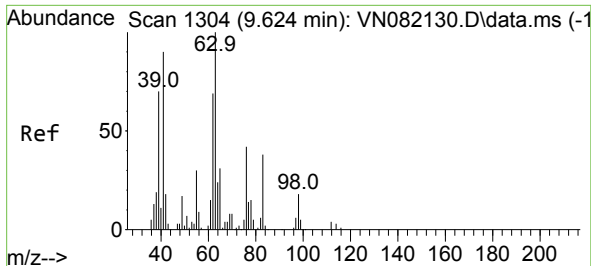
Ion Ratio Lower Upper

43 100

61 11.2 22.8 34.2#

87 7.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.759 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.124 min

Lab File: VN082292.D

Acq: 22 May 2024 15:01

Instrument :

MSVOA_N

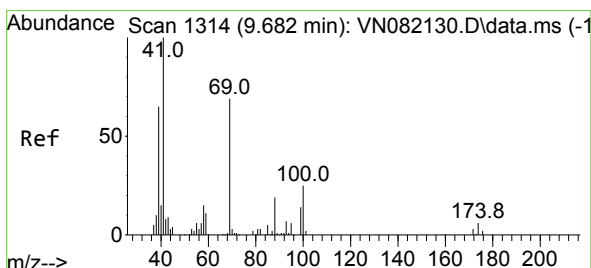
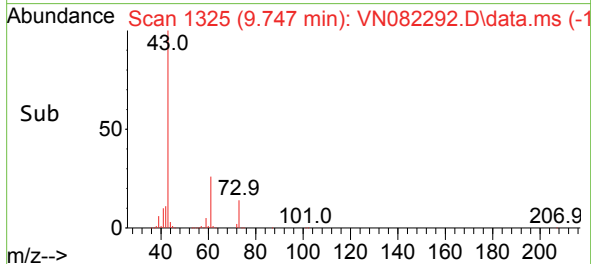
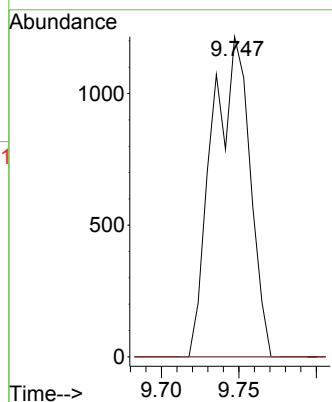
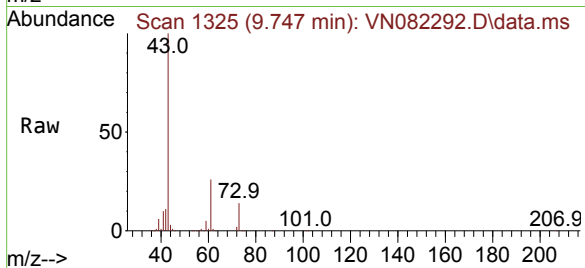
ClientSampleId :

Tgt Ion: 63 Resp: 2054

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 50.868 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN082292.D

Acq: 22 May 2024 15:01

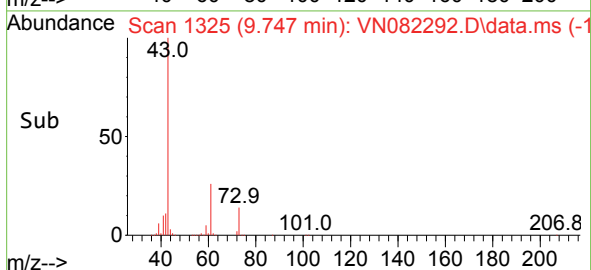
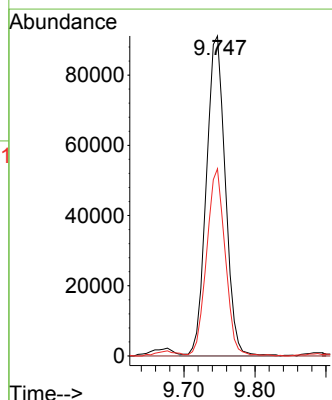
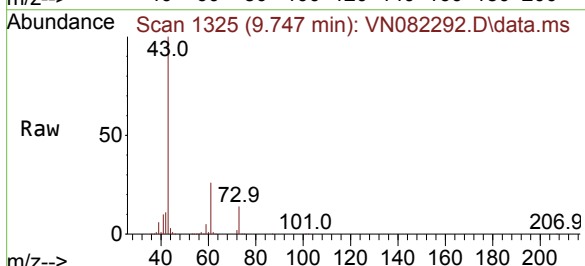
Tgt Ion: 41 Resp: 169149

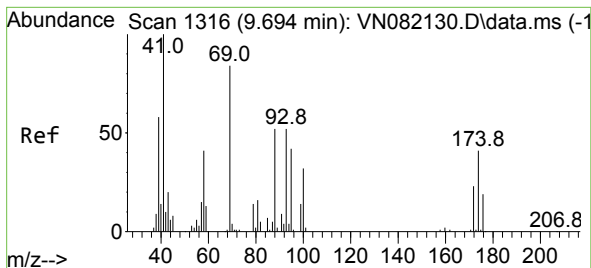
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 57.6 50.9 76.3





#49

1,4-Dioxane

Concen: 1.374 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.041 min

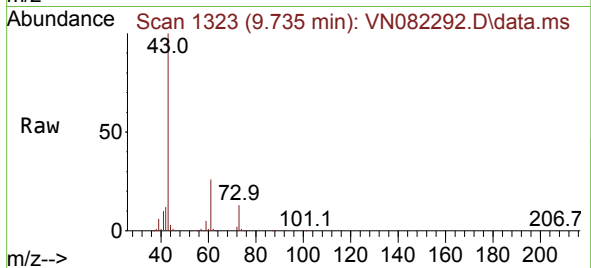
Lab File: VN082292.D

Acq: 22 May 2024 15:01

Instrument :

MSVOA_N

ClientSampleId :



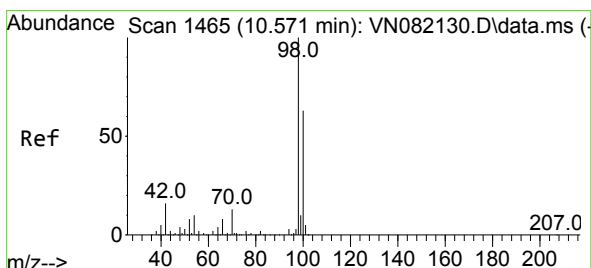
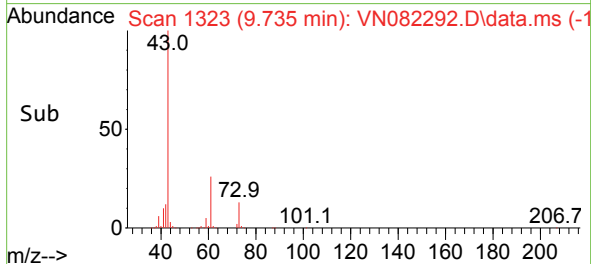
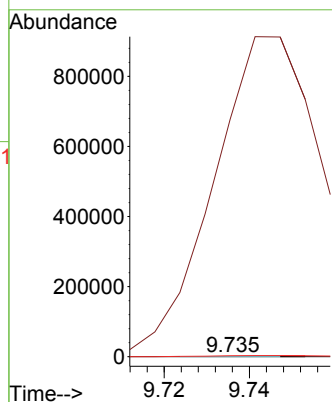
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 2626460.9 19.0 28.6#

58 9723.4 50.6 76.0#



#50

Toluene-d8

Concen: 53.959 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082292.D

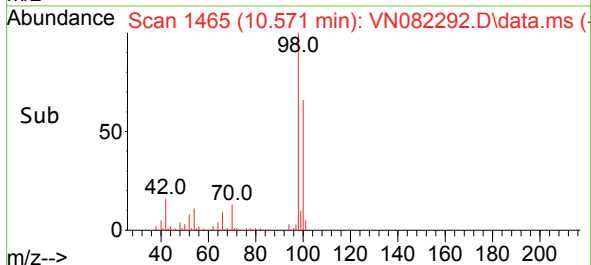
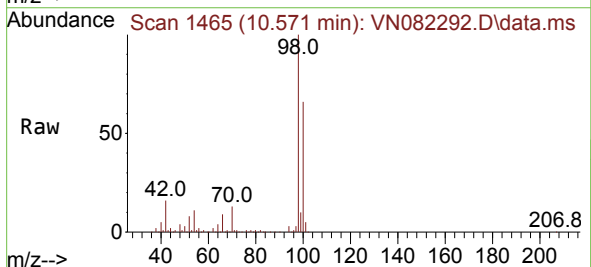
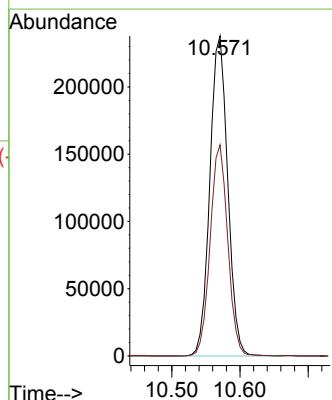
Acq: 22 May 2024 15:01

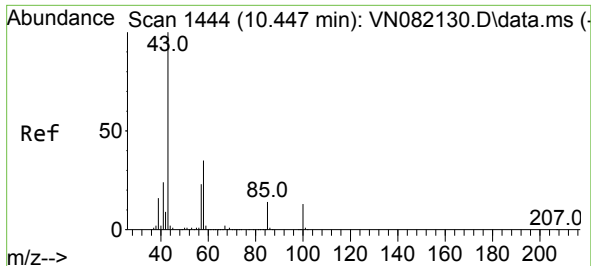
Tgt Ion: 98 Resp: 434076

Ion Ratio Lower Upper

98 100

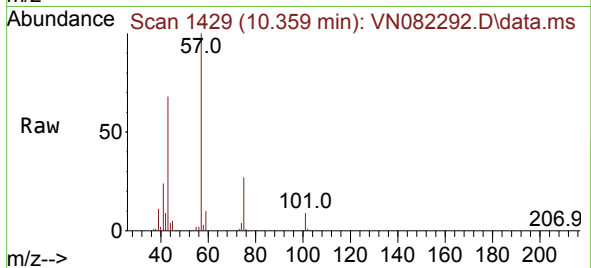
100 65.0 51.8 77.6



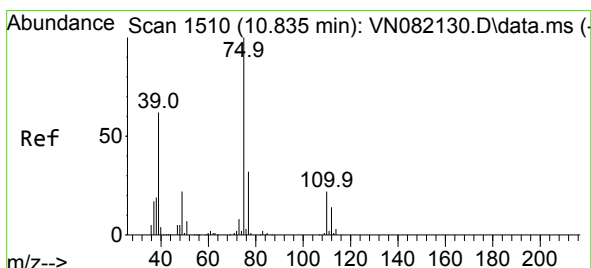
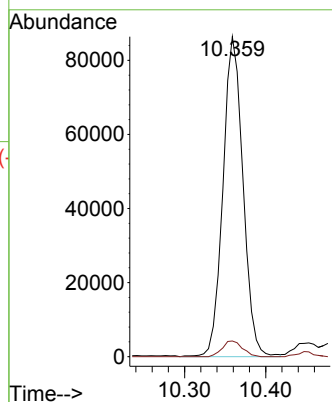
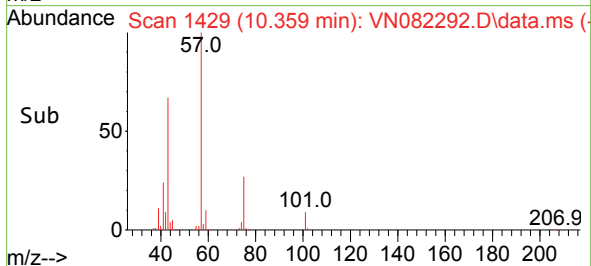


#51
4-Methyl-2-Pentanone
Concen: 37.425 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

Instrument :
MSVOA_N
ClientSampleId :

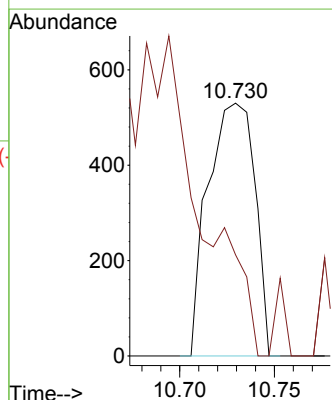
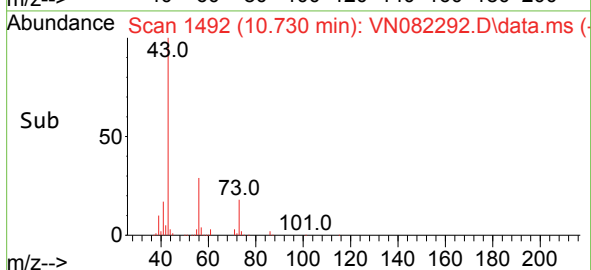
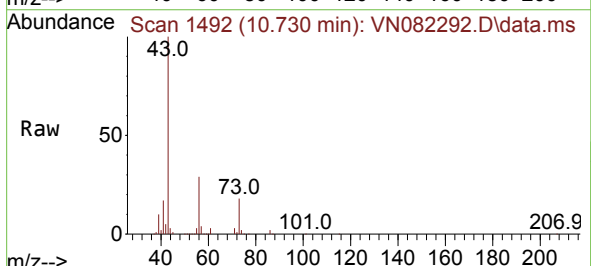


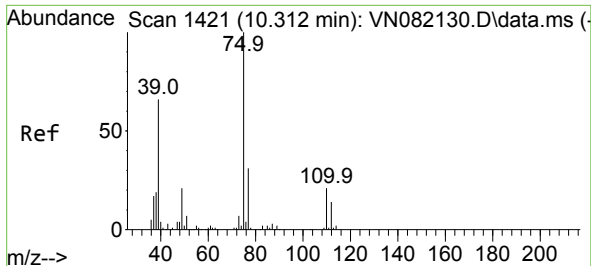
Tgt Ion: 43 Resp: 148389
Ion Ratio Lower Upper
43 100
58 5.0 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.234 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

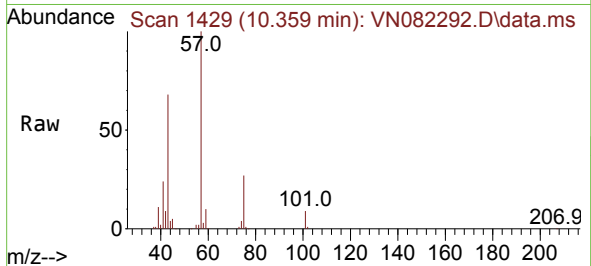
Tgt Ion: 75 Resp: 910
Ion Ratio Lower Upper
75 100
77 9.2 25.4 38.0#



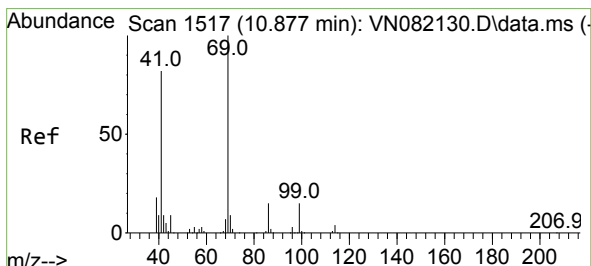
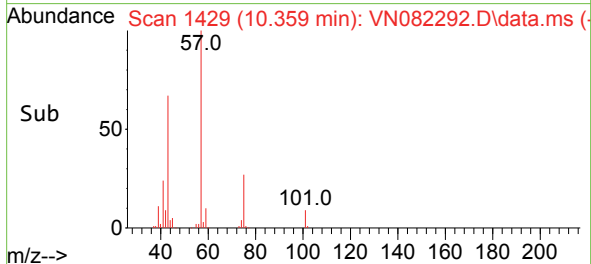
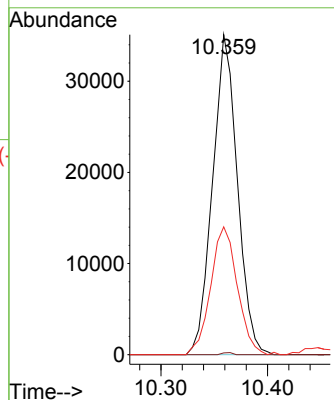


#54
 cis-1,3-Dichloropropene
 Concen: 13.801 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082292.D
 Acq: 22 May 2024 15:01

Instrument :
 MSVOA_N
 ClientSampleId :

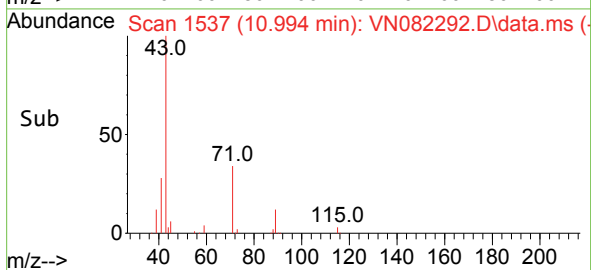
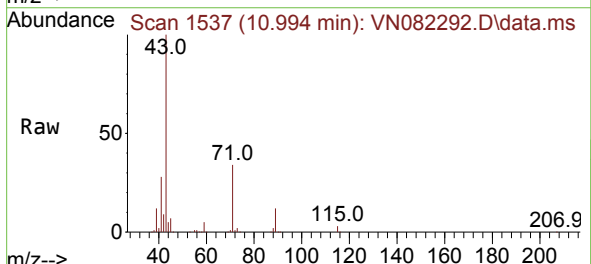
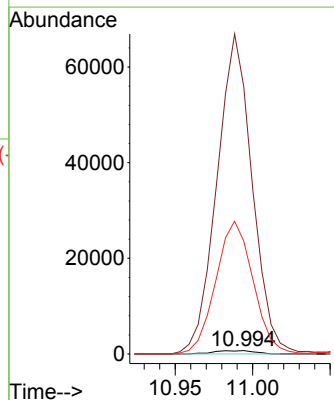


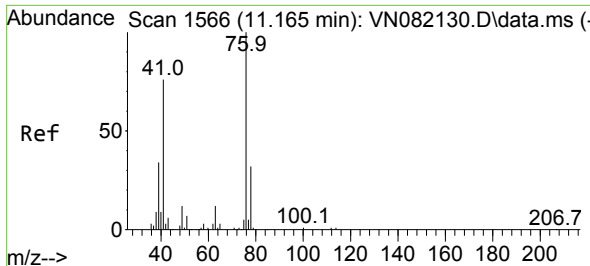
Tgt Ion: 75 Resp: 56697
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 40.0 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.324 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN082292.D
 Acq: 22 May 2024 15:01

Tgt Ion: 69 Resp: 1258
 Ion Ratio Lower Upper
 69 100
 41 8443.2 46.6 70.0#
 39 3701.4 26.5 39.7#

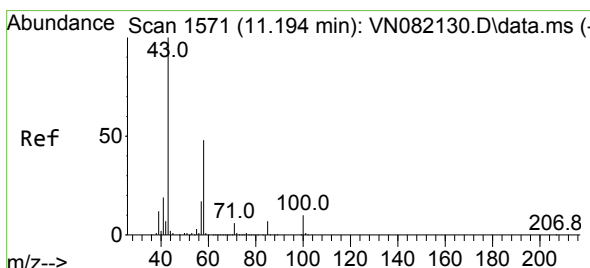
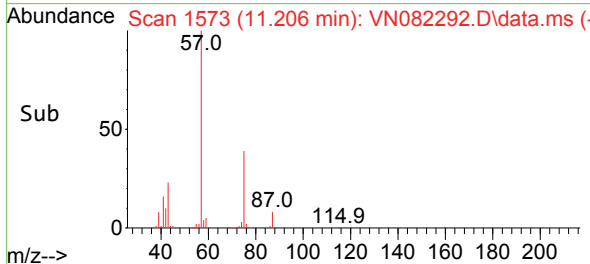
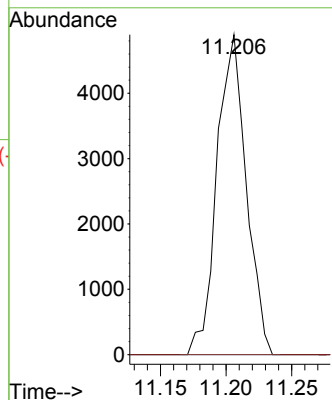
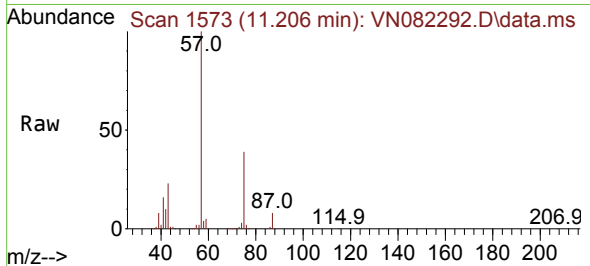




#57
1,3-Dichloropropane
Concen: 1.780 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

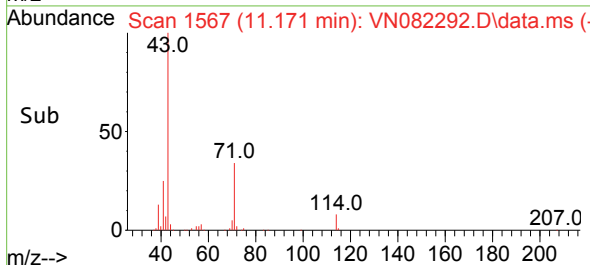
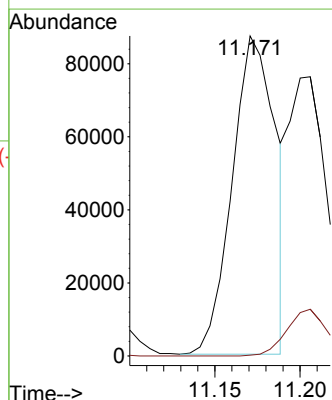
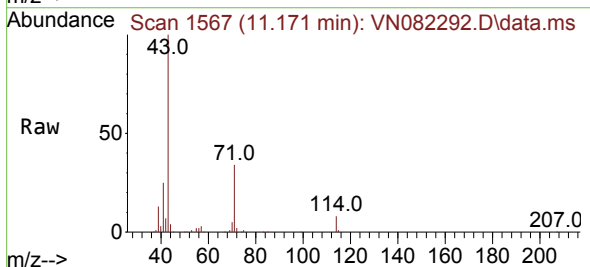
Instrument :
MSVOA_N
ClientSampleId :

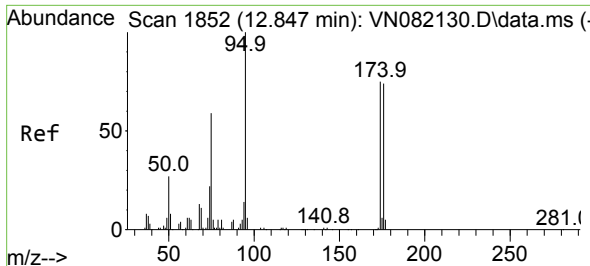
Tgt Ion: 76 Resp: 7617
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 52.918 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

Tgt Ion: 43 Resp: 153630
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

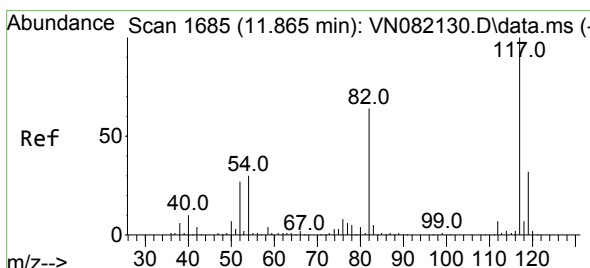
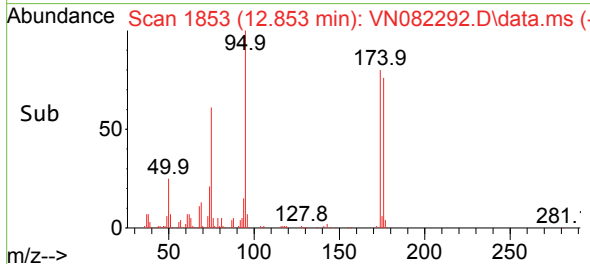
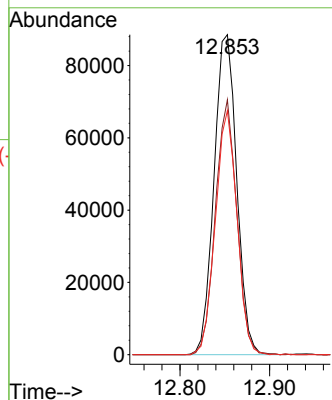
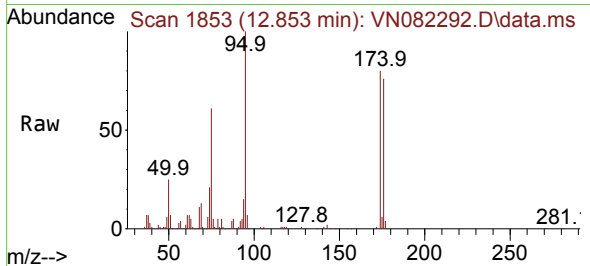




#62
4-Bromofluorobenzene
Concen: 54.164 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

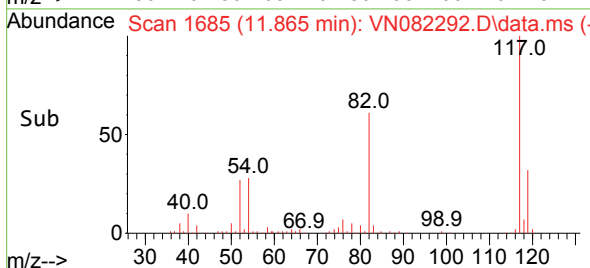
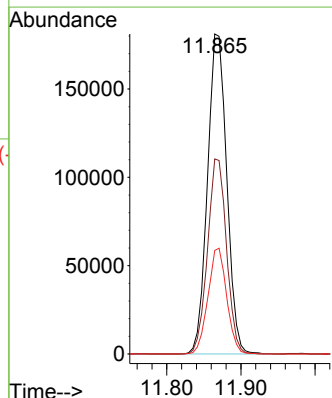
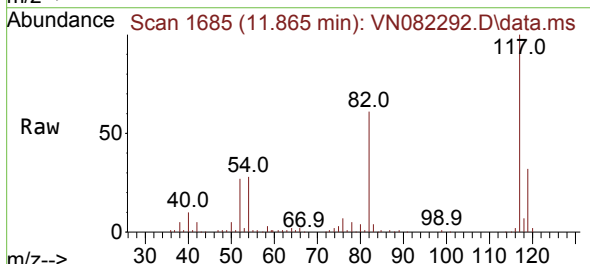
Instrument :
MSVOA_N
ClientSampleId :

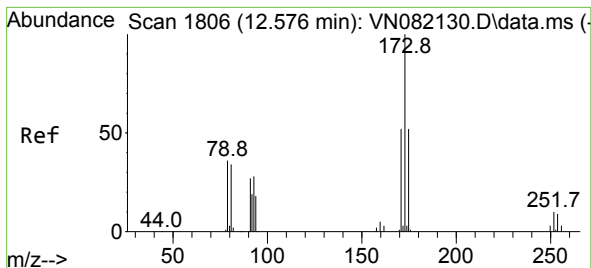
Tgt Ion: 95 Resp: 155521
Ion Ratio Lower Upper
95 100
174 75.1 0.0 160.6
176 72.8 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

Tgt Ion: 117 Resp: 327365
Ion Ratio Lower Upper
117 100
82 61.0 44.6 66.8
119 32.3 25.9 38.9





#71

Bromoform

Concen: 0.794 ug/l

RT: 12.835 min Scan# 11

Delta R.T. 0.259 min

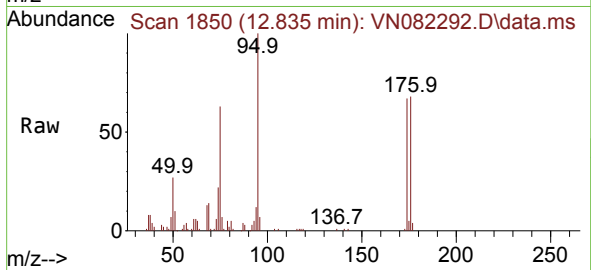
Lab File: VN082292.D

Acq: 22 May 2024 15:01

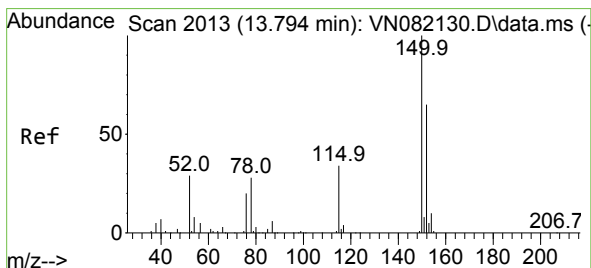
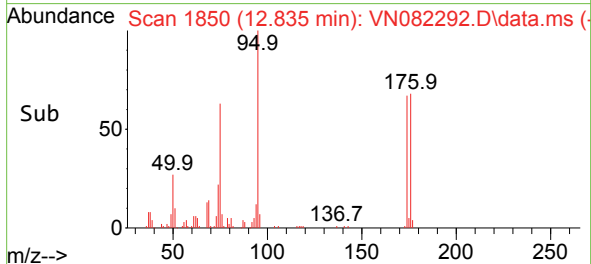
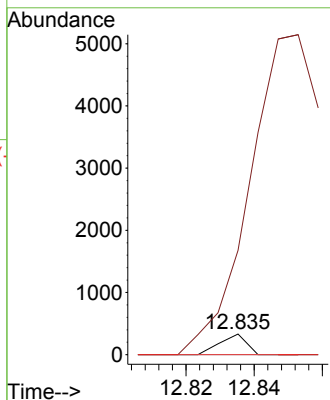
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	179
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

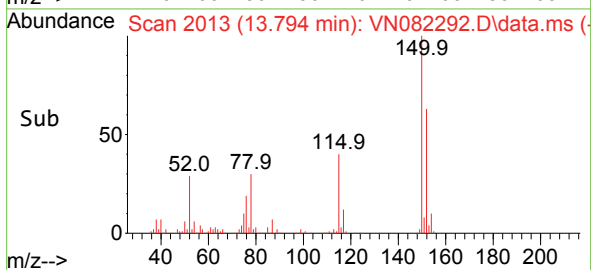
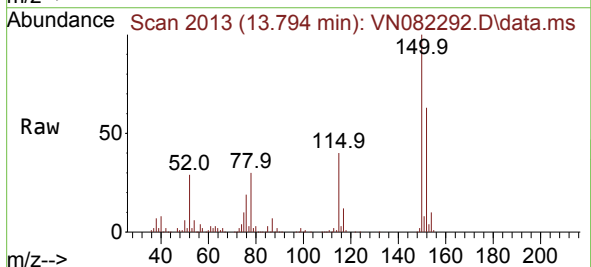
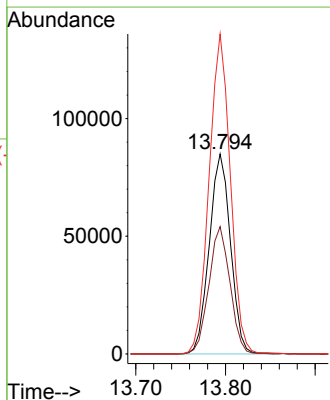
RT: 13.794 min Scan# 2013

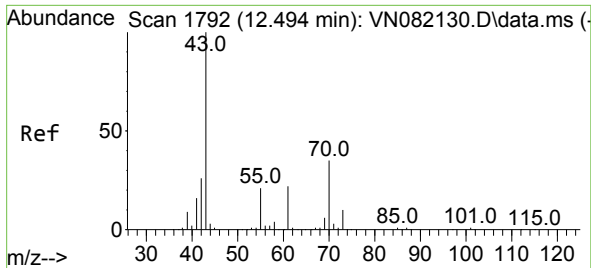
Delta R.T. 0.000 min

Lab File: VN082292.D

Acq: 22 May 2024 15:01

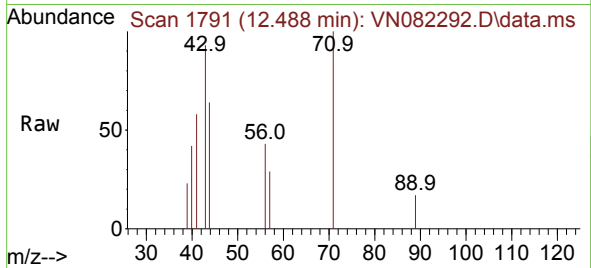
Tgt Ion:	152	Resp:	139927
Ion	Ratio	Lower	Upper
152	100		
115	63.3	30.4	91.3
150	159.6	0.0	353.2



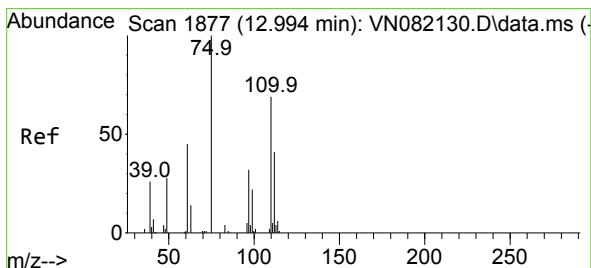
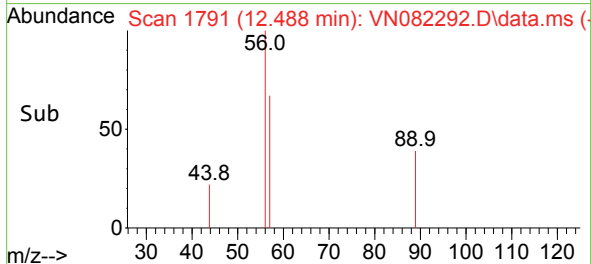
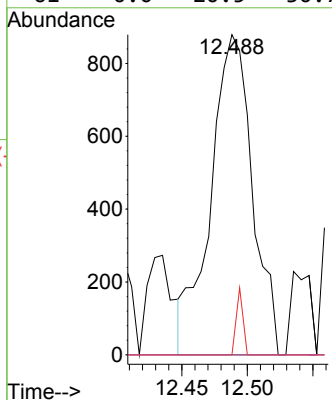


#74
N-amy1 acetate
Concen: 0.318 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

Instrument :
MSVOA_N
ClientSampleId :

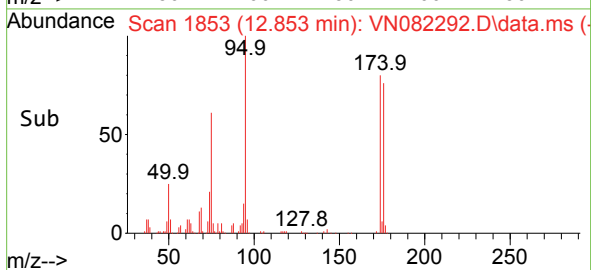
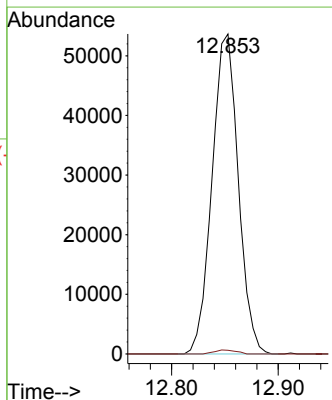
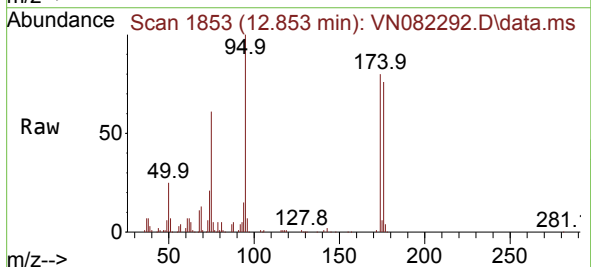


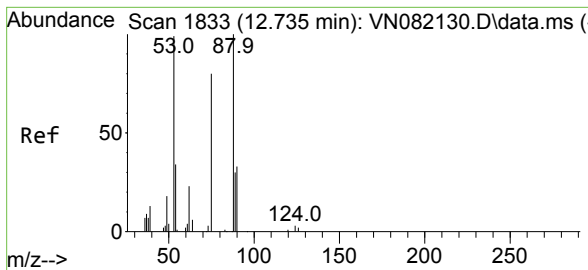
Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 3.3 21.3 31.9#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 31.115 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082292.D
Acq: 22 May 2024 15:01

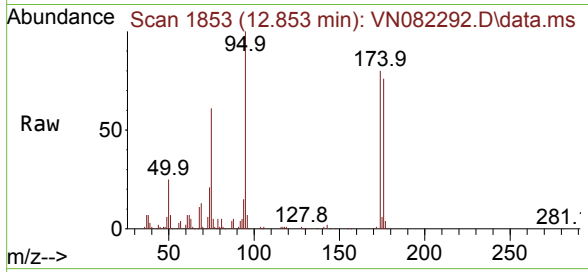
Tgt Ion: 75 Resp: 91638
Ion Ratio Lower Upper
75 100
77 1.0 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.777 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082292.D
 Acq: 22 May 2024 15:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 91638
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

