

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082288.D
 Acq On : 22 May 2024 13:04
 Operator : JC\MD
 Sample : PB161037ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:51:37 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

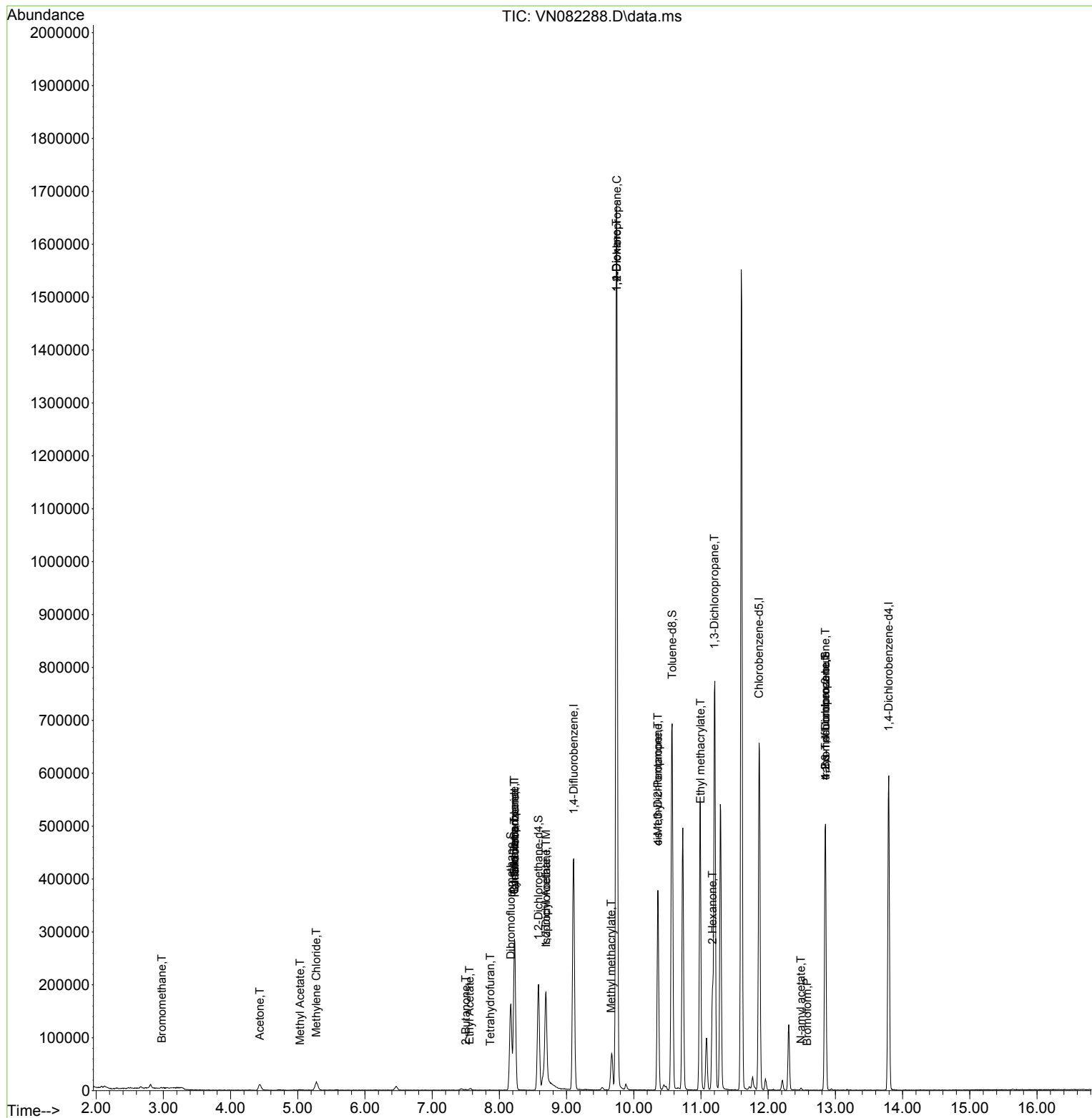
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

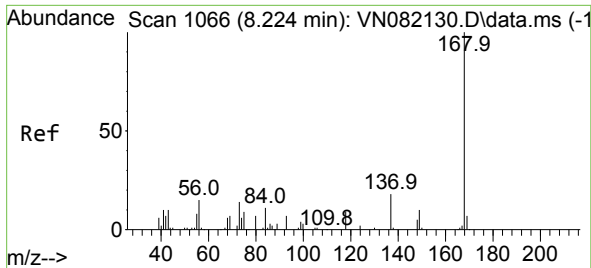
Internal Standards						
1) Pentafluorobenzene	8.230	168	200585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	356456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	342656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	163077	51.488	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.980%			
35) Dibromofluoromethane	8.171	113	112849	51.465	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.920%			
50) Toluene-d8	10.571	98	452360	53.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.620%			
62) 4-Bromofluorobenzene	12.853	95	164031	54.666	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.340%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	622	0.351	ug/l #	75
16) Acetone	4.436	43	22198	17.085	ug/l	90
18) Methyl Acetate	5.036	43	2069	0.639	ug/l #	67
20) Methylene Chloride	5.277	84	10527	4.016	ug/l #	67
25) 2-Butanone	7.500	43	2190	1.112	ug/l #	43
29) Tetrahydrofuran	7.865	42	580	0.459	ug/l #	37
31) Cyclohexane	8.224	56	6116	1.209	ug/l #	52
36) 1,1-Dichloropropene	8.224	75	18225	4.956	ug/l #	48
37) Ethyl Acetate	7.559	43	5220	1.268	ug/l #	92
38) Carbon Tetrachloride	8.224	117	21883	5.870	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1184	0.281	ug/l #	73
43) Isopropyl Acetate	8.694	43	272558	37.374	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1749	0.618	ug/l #	45
48) Methyl methacrylate	9.665	41	5250	1.511	ug/l #	38
49) 1,4-Dioxane	9.741	88	148	3.039	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	150497	36.321	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	57954	13.499	ug/l #	75
56) Ethyl methacrylate	10.994	69	1137	0.280	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7676	1.717	ug/l #	42
59) 2-Hexanone	11.171	43	160164	52.792	ug/l #	23
71) Bromoform	12.582	173	57	0.729	ug/l #	28
74) N-amyl acetate	12.488	43	1840	0.284	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	98170	31.494	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	98170	73.664	ug/l #	12

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

Instrument :
MSVOA_N
ClientSampleId :

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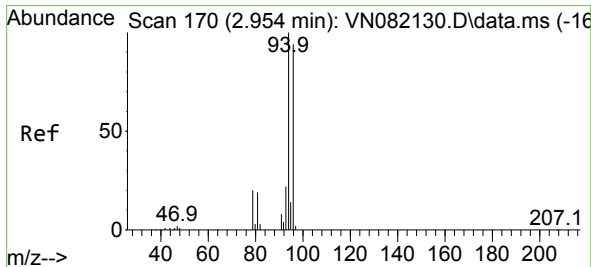
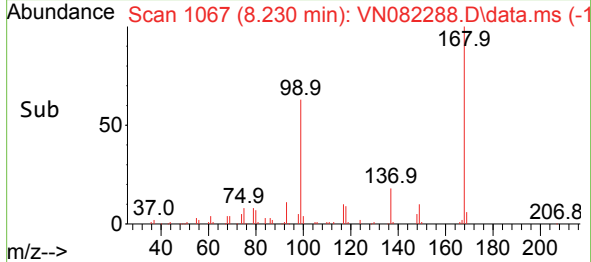
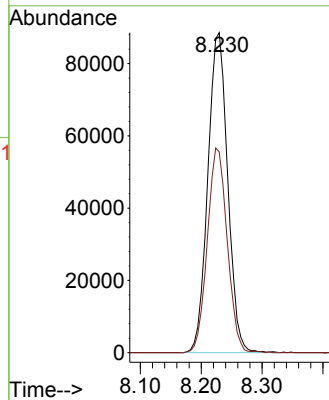
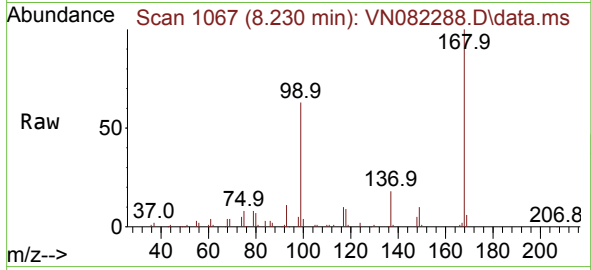




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

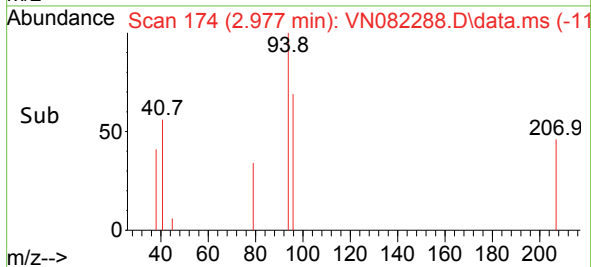
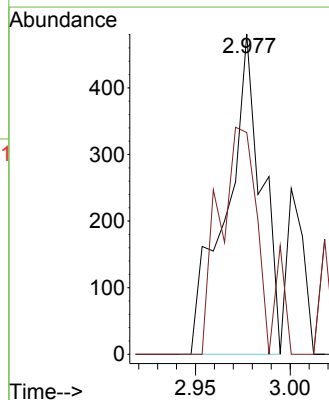
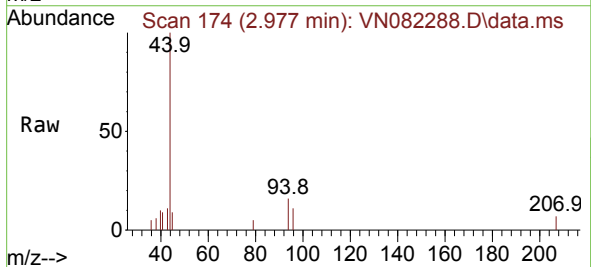
Instrument :
MSVOA_N
ClientSampleId :

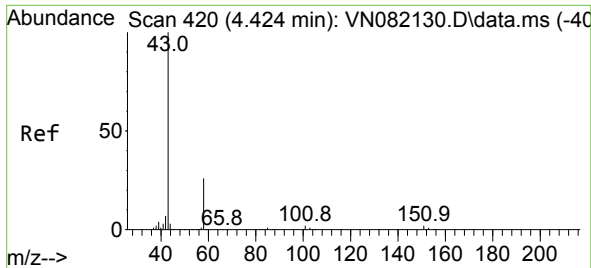
Tgt Ion:168 Resp: 200585
Ion Ratio Lower Upper
168 100
99 62.7 48.2 72.4



#5
Bromomethane
Concen: 0.351 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

Tgt Ion: 94 Resp: 622
Ion Ratio Lower Upper
94 100
96 69.2 74.8 112.2#

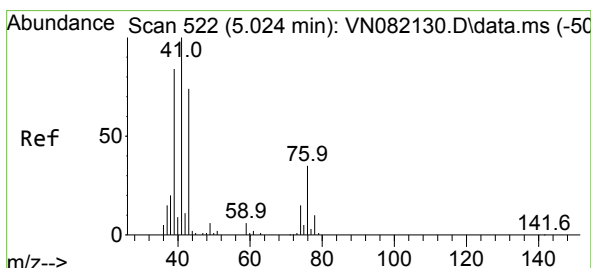
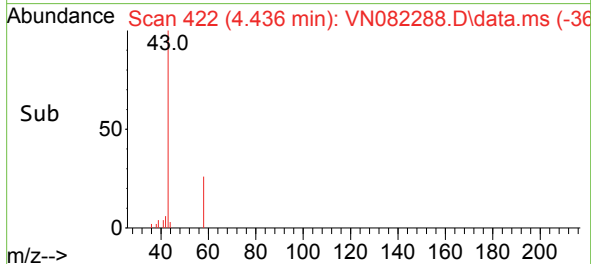
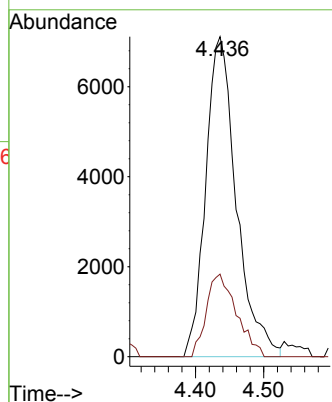
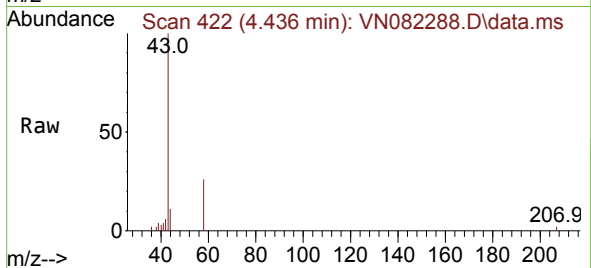




#16
Acetone
Concen: 17.085 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

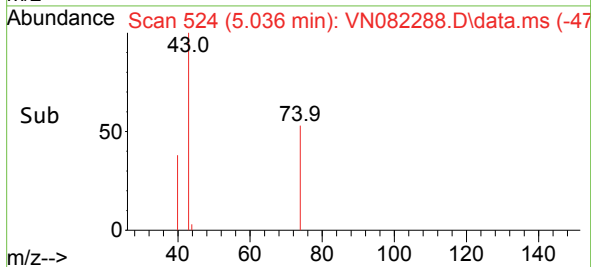
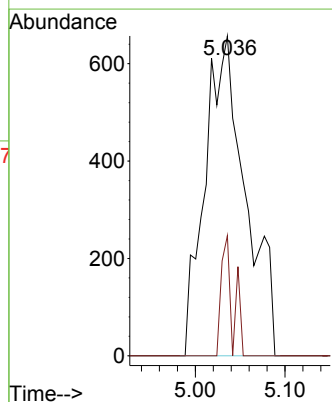
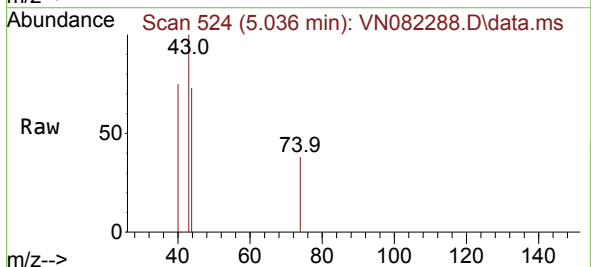
Instrument :
MSVOA_N
ClientSampleId :

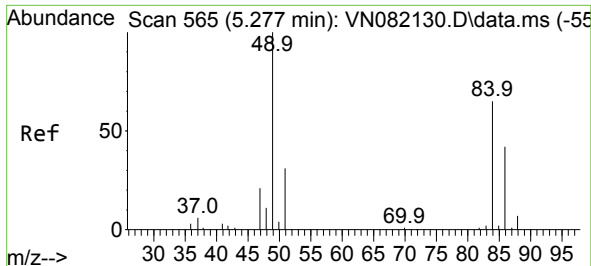
Tgt Ion: 43 Resp: 22198
Ion Ratio Lower Upper
43 100
58 25.8 25.2 37.8



#18
Methyl Acetate
Concen: 0.639 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

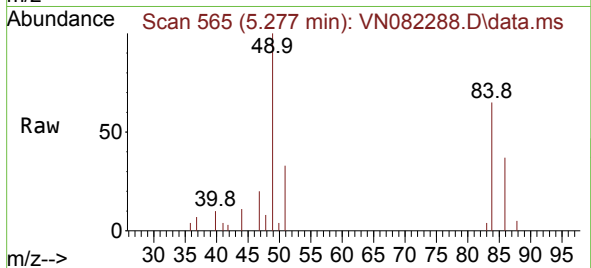
Tgt Ion: 43 Resp: 2069
Ion Ratio Lower Upper
43 100
74 10.7 22.2 33.2#



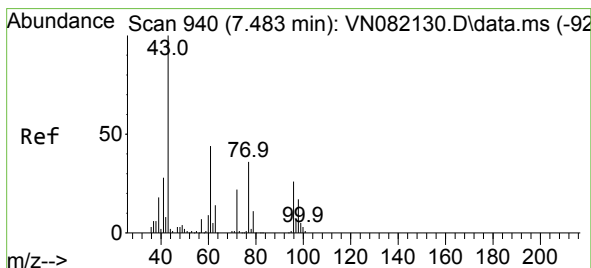
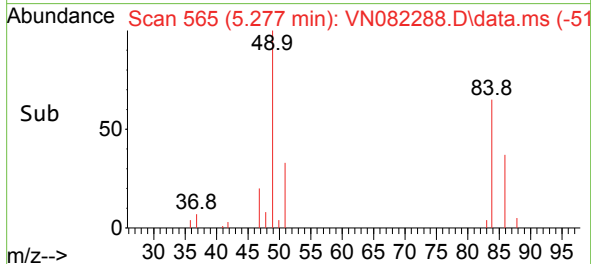
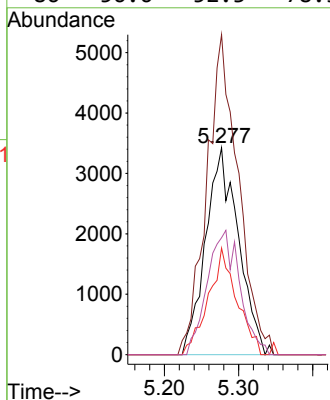


#20
Methylene Chloride
Concen: 4.016 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

Instrument :
MSVOA_N
ClientSampleId :

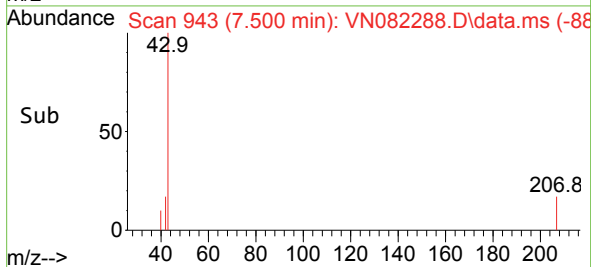
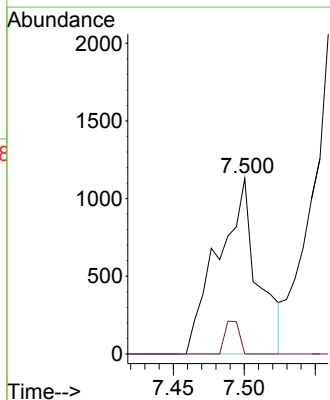
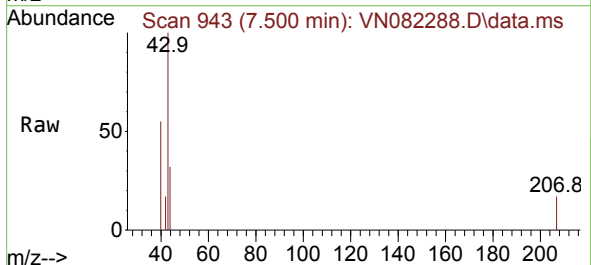


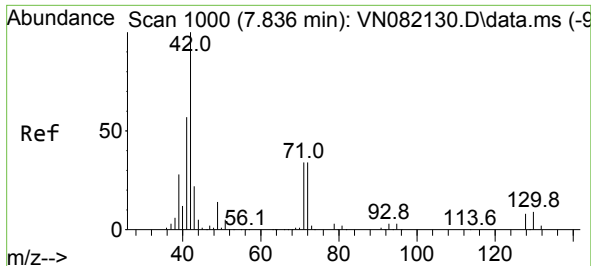
Tgt Ion:	84	Resp:	10527
Ion	Ratio	Lower	Upper
84	100		
49	154.7	84.9	127.3#
51	51.5	27.0	40.6#
86	56.6	52.3	78.5



#25
2-Butanone
Concen: 1.112 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

Tgt Ion:	43	Resp:	2190
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.459 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.029 min

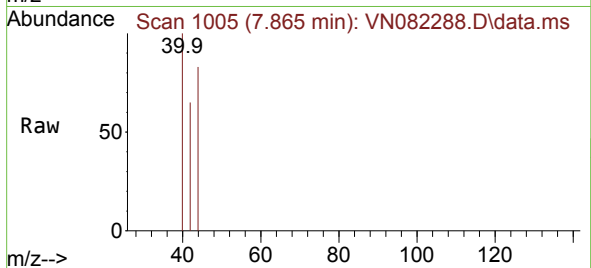
Lab File: VN082288.D

Acq: 22 May 2024 13:04

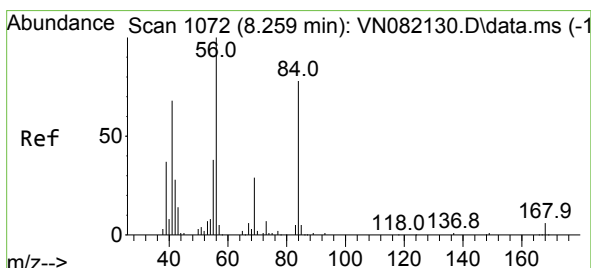
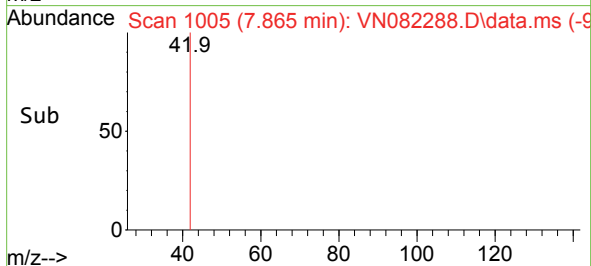
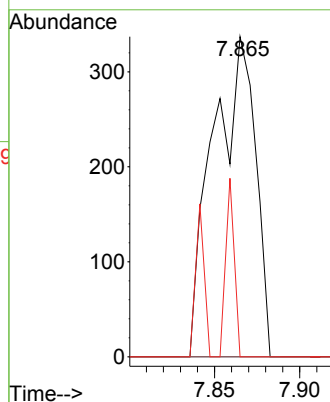
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	580
Ion Ratio	Lower	Upper	
42	100		
72	0.0	39.3	58.9#
71	11.4	37.4	56.0#



#31

Cyclohexane

Concen: 1.209 ug/l

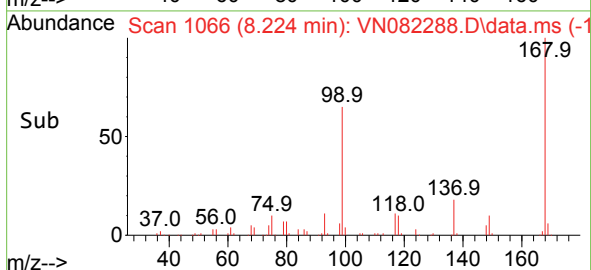
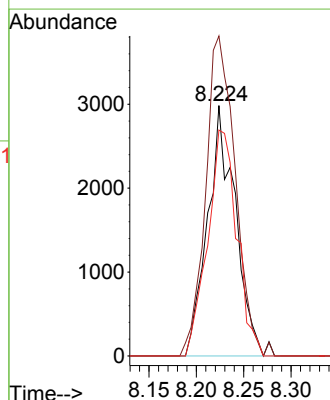
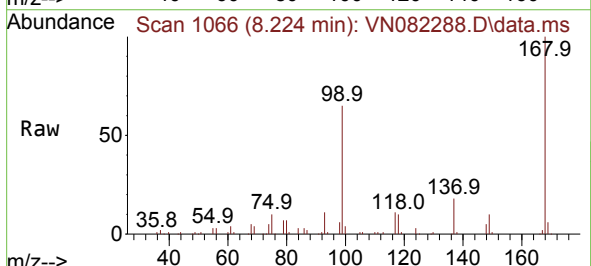
RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082288.D

Acq: 22 May 2024 13:04

Tgt Ion:	56	Resp:	6116
Ion Ratio	Lower	Upper	
56	100		
69	127.8	24.4	36.6#
84	90.2	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 51.488 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

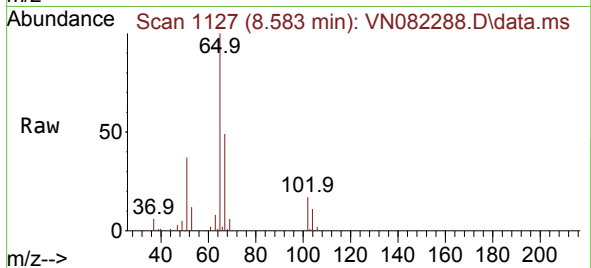
Lab File: VN082288.D

Acq: 22 May 2024 13:04

Instrument :

MSVOA_N

ClientSampleId :

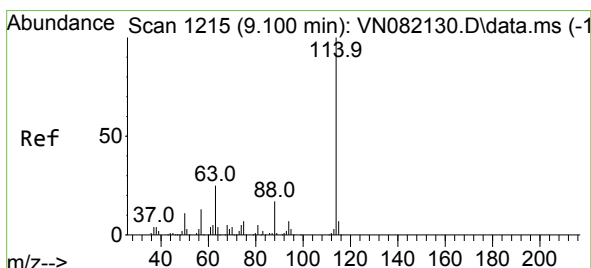
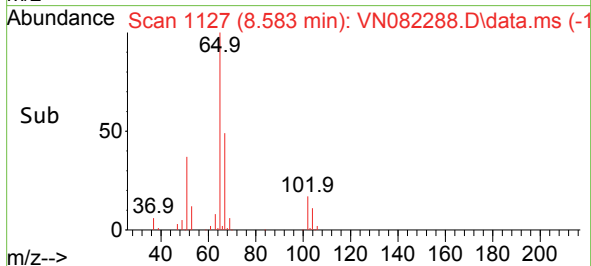
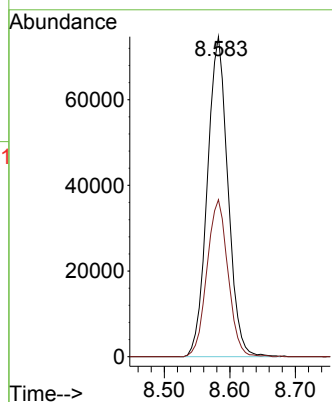


Tgt Ion: 65 Resp: 163077

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082288.D

Acq: 22 May 2024 13:04

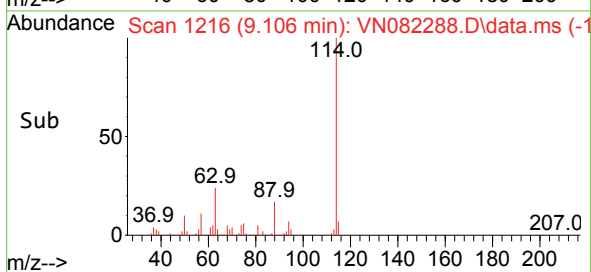
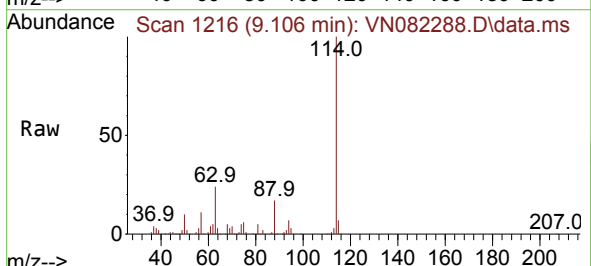
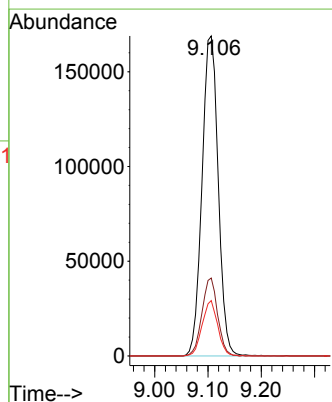
Tgt Ion: 114 Resp: 356456

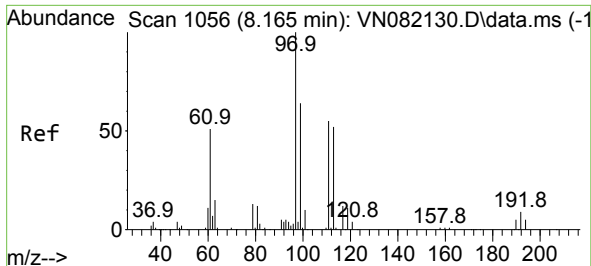
Ion Ratio Lower Upper

114 100

63 24.4 0.0 41.0

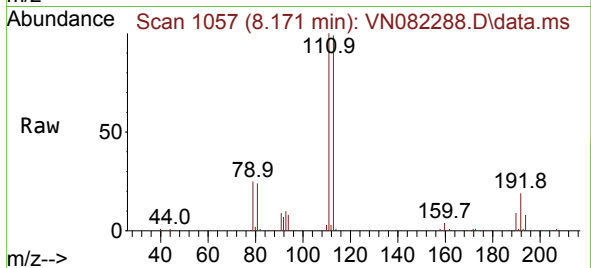
88 17.3 0.0 31.4



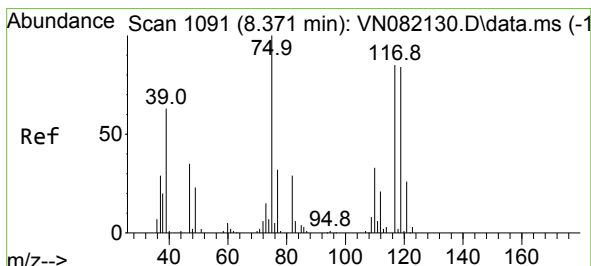
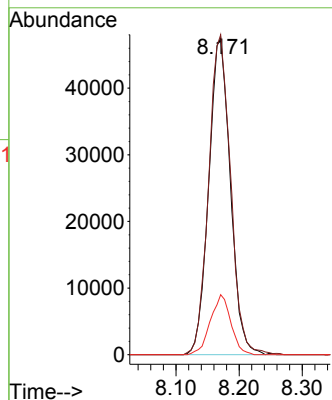
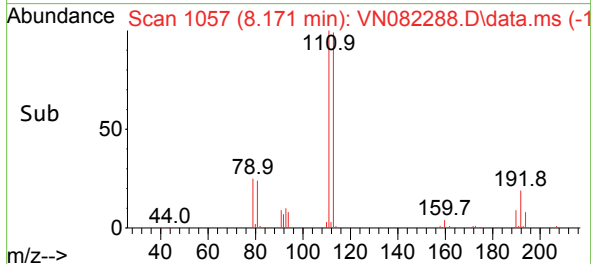


#35
Dibromofluoromethane
Concen: 51.465 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

Instrument :
MSVOA_N
ClientSampleId :

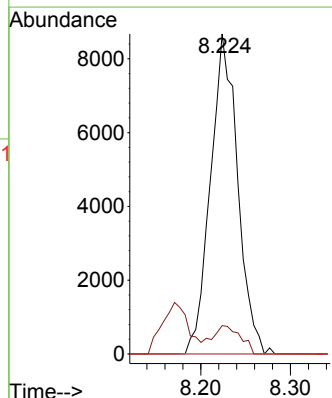
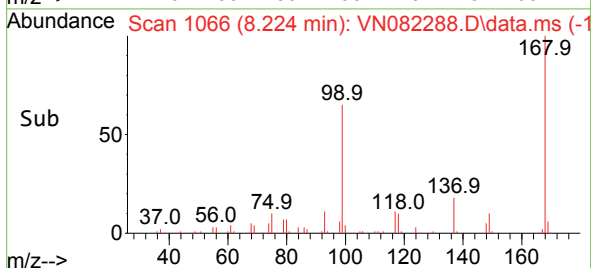
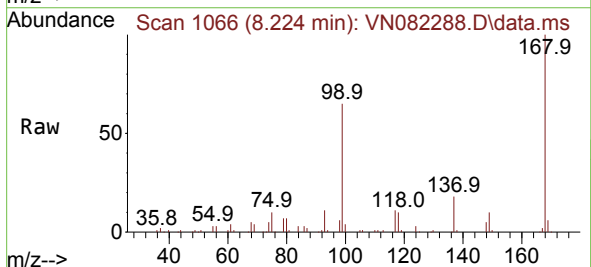


Tgt Ion:113 Resp: 112849
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.2
192 18.0 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

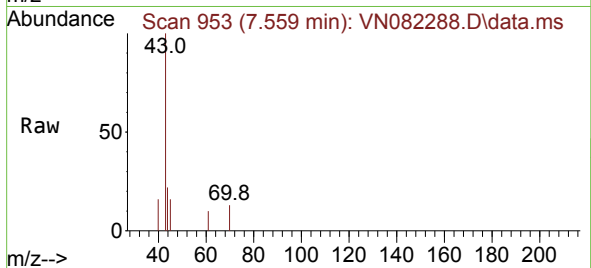
Tgt Ion: 75 Resp: 18225
Ion Ratio Lower Upper
75 100
110 7.7 17.8 53.5#
77 0.0 25.0 37.4#



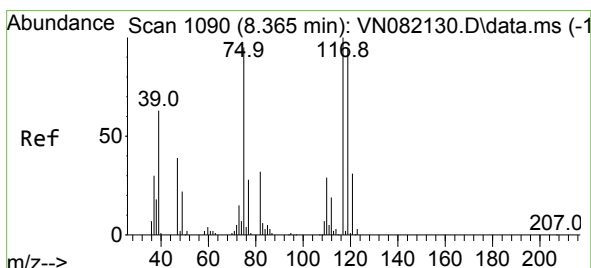
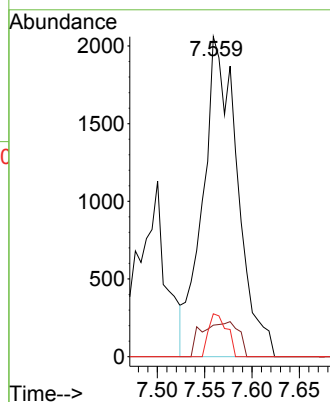
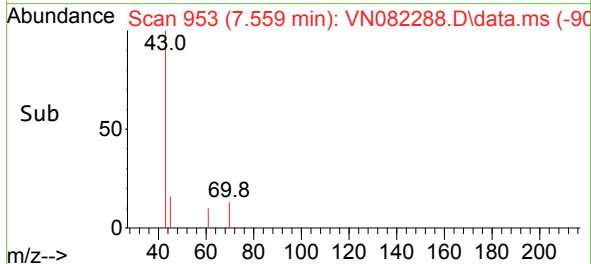


#37
Ethyl Acetate
Concen: 1.268 ug/l
RT: 7.559 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

Instrument :
MSVOA_N
ClientSampleId :

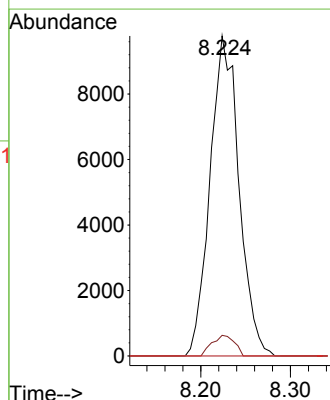
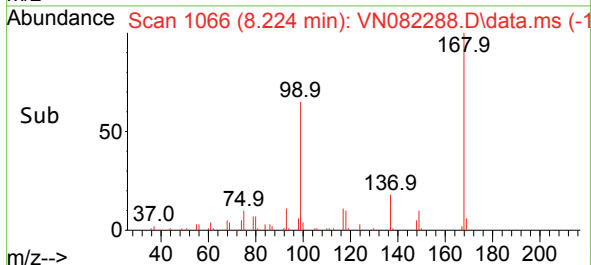
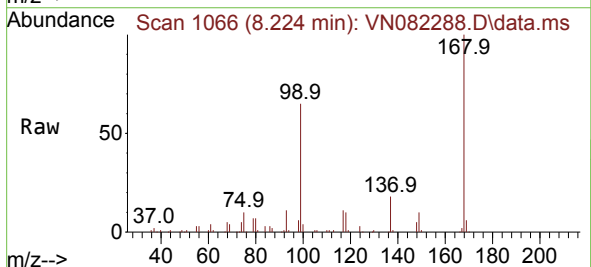


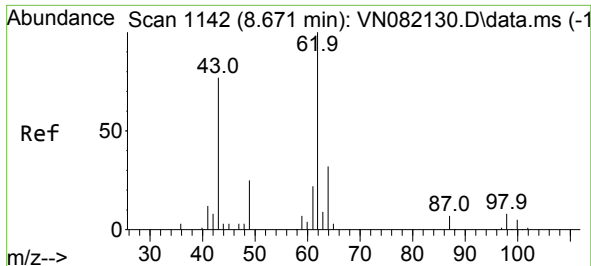
Tgt Ion: 43 Resp: 5220
Ion Ratio Lower Upper
43 100
61 11.6 11.3 16.9
70 7.1 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.870 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

Tgt Ion: 117 Resp: 21883
Ion Ratio Lower Upper
117 100
119 6.4 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.281 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN082288.D

Acq: 22 May 2024 13:04

Instrument :

MSVOA_N

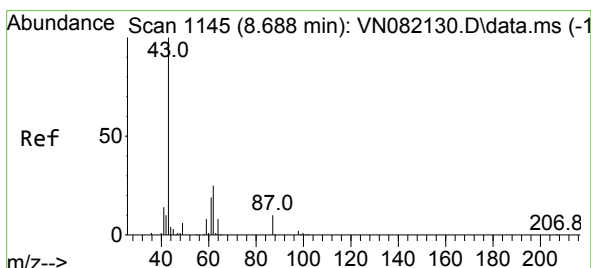
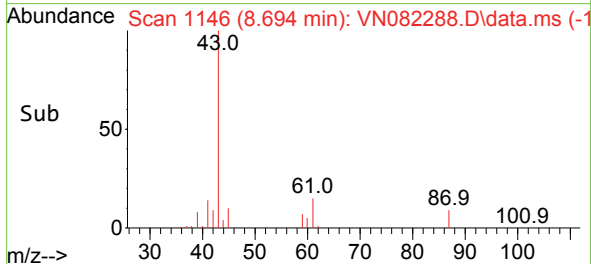
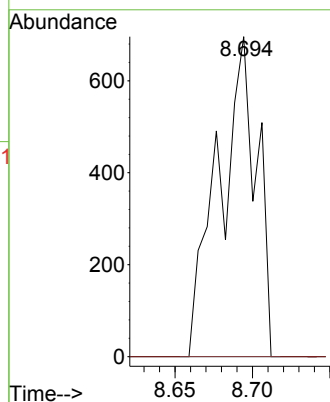
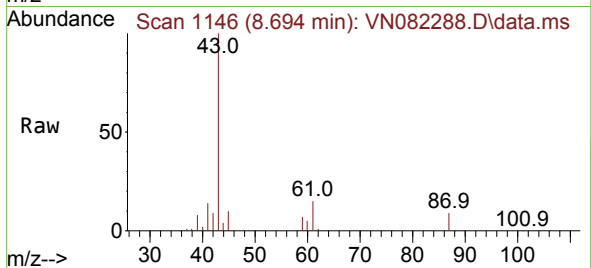
ClientSampleId :

Tgt Ion: 62 Resp: 1184

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 37.374 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082288.D

Acq: 22 May 2024 13:04

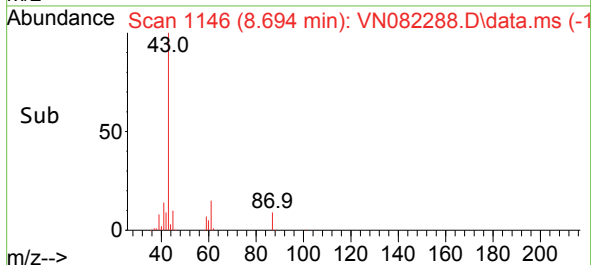
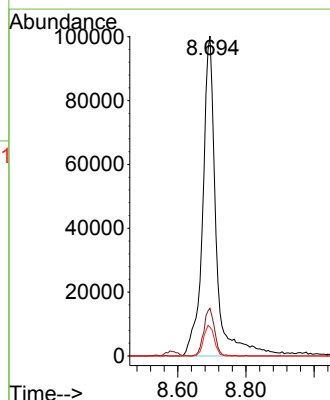
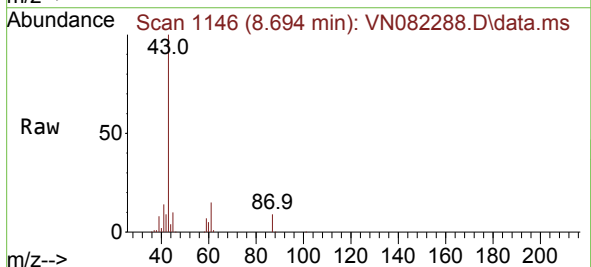
Tgt Ion: 43 Resp: 272558

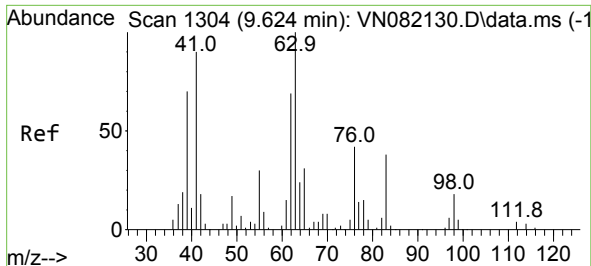
Ion Ratio Lower Upper

43 100

61 12.0 22.8 34.2#

87 7.6 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.618 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN082288.D

Acq: 22 May 2024 13:04

Instrument :

MSVOA_N

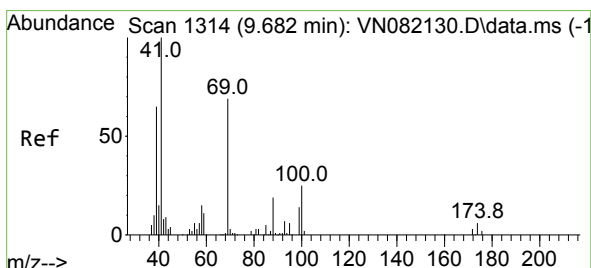
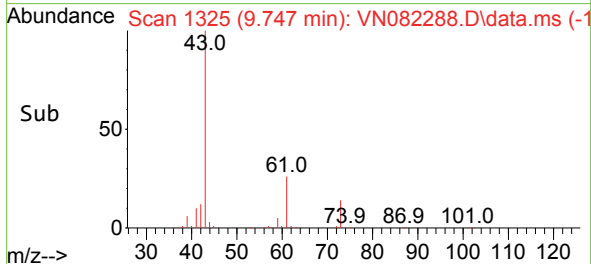
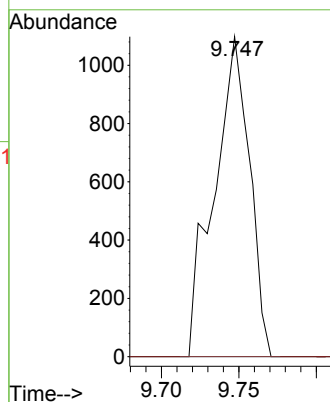
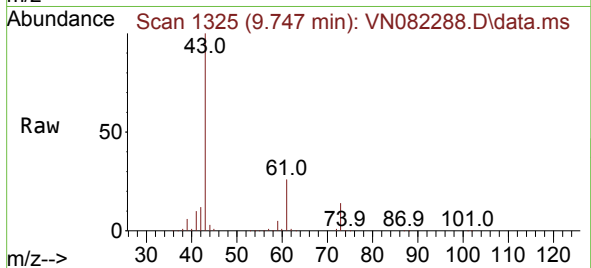
ClientSampleId :

Tgt Ion: 63 Resp: 1749

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.511 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082288.D

Acq: 22 May 2024 13:04

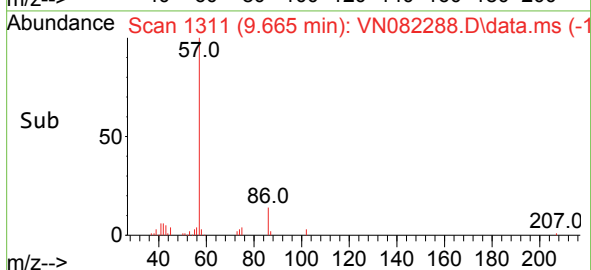
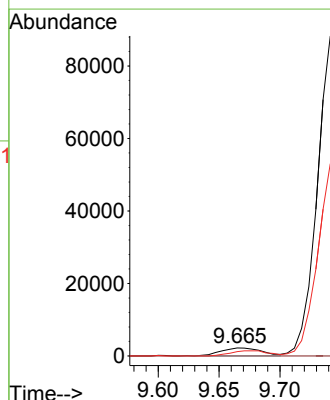
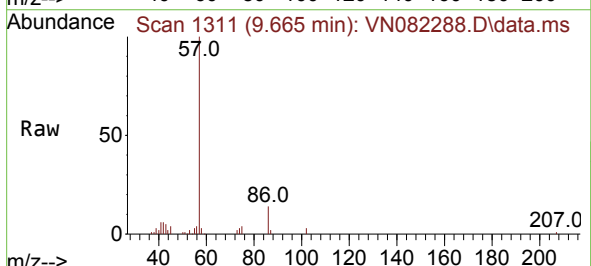
Tgt Ion: 41 Resp: 5250

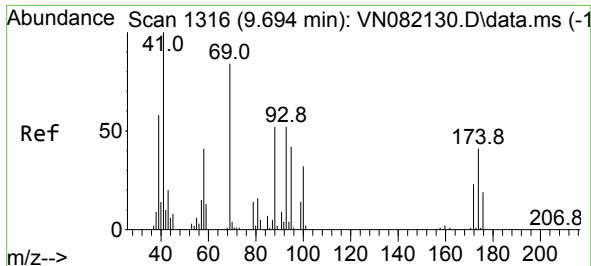
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 59.2 50.9 76.3





#49

1,4-Dioxane

Concen: 3.039 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

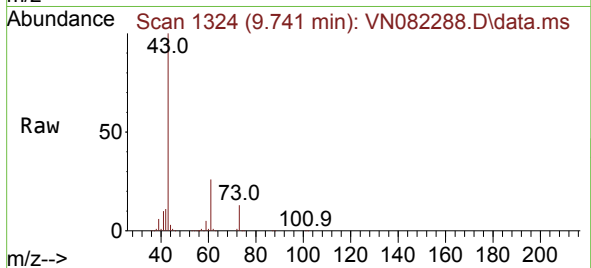
Lab File: VN082288.D

Acq: 22 May 2024 13:04

Instrument :

MSVOA_N

ClientSampleId :



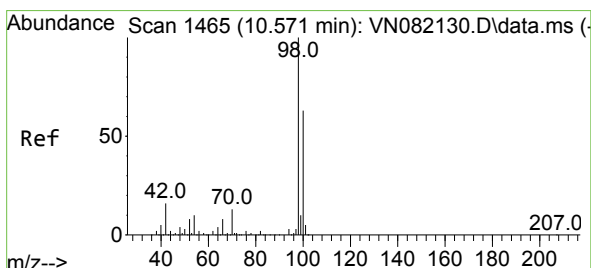
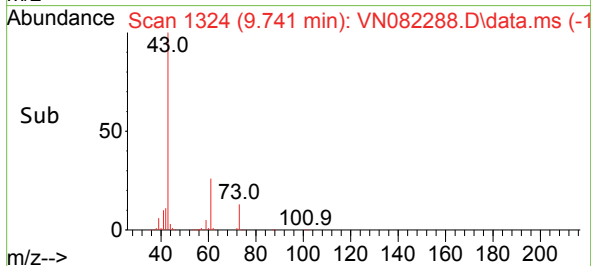
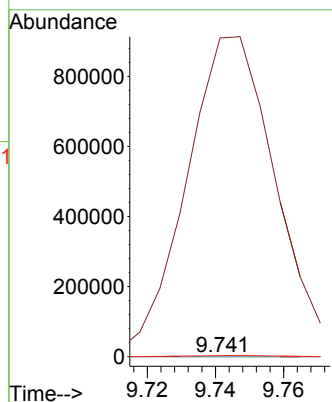
Tgt Ion: 88 Resp: 148

Ion Ratio Lower Upper

88 100

43 1134248.6 19.0 28.6#

58 4396.6 50.6 76.0#



#50

Toluene-d8

Concen: 53.809 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082288.D

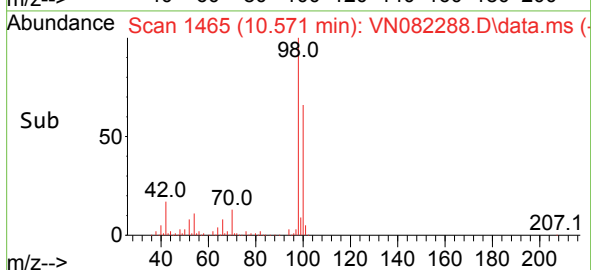
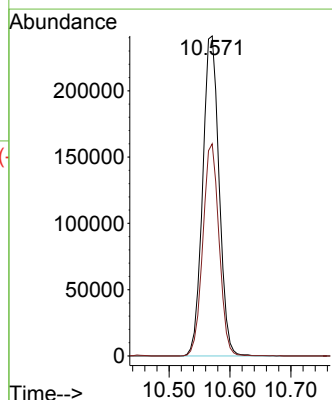
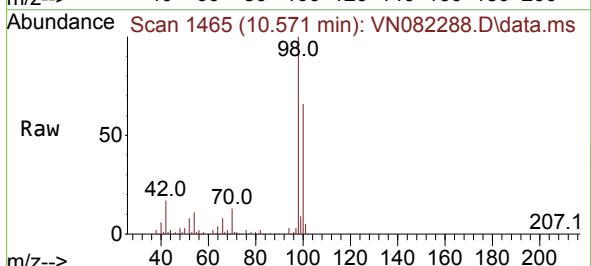
Acq: 22 May 2024 13:04

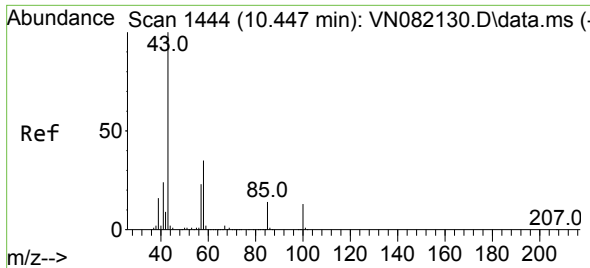
Tgt Ion: 98 Resp: 452360

Ion Ratio Lower Upper

98 100

100 65.4 51.8 77.6

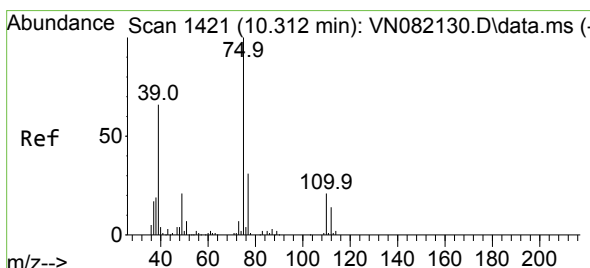
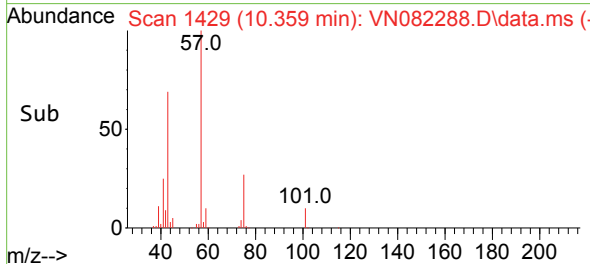
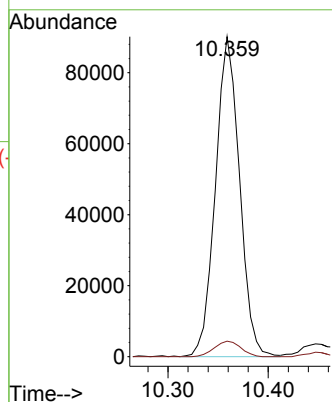
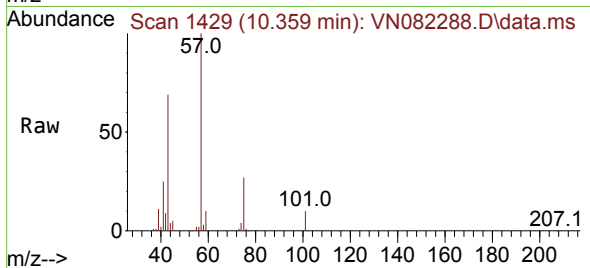




#51
4-Methyl-2-Pentanone
Concen: 36.321 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

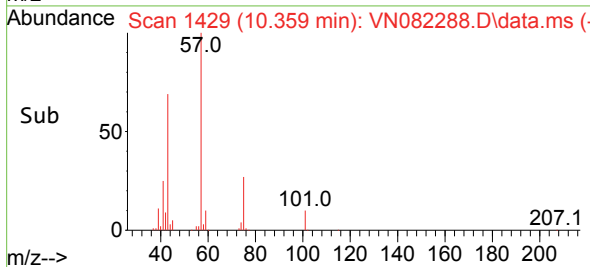
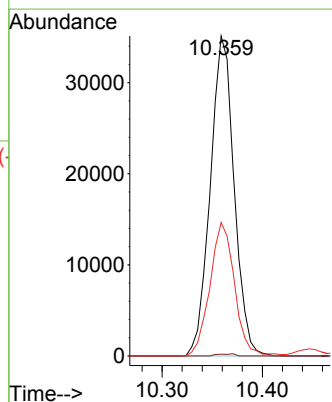
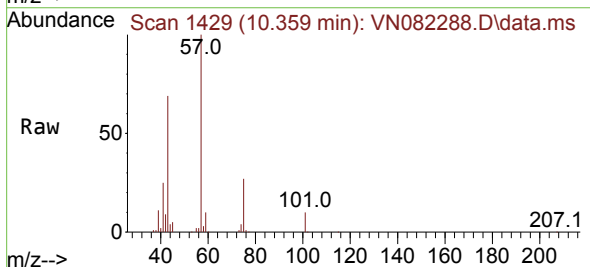
Instrument :
MSVOA_N
ClientSampleId :

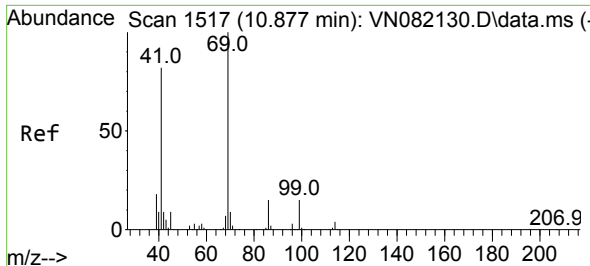
Tgt Ion: 43 Resp: 150497
Ion Ratio Lower Upper
43 100
58 5.3 33.2 49.8#



#54
cis-1,3-Dichloropropene
Concen: 13.499 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

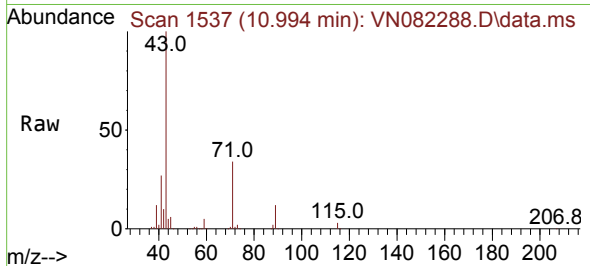
Tgt Ion: 75 Resp: 57954
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 41.7 34.8 52.2



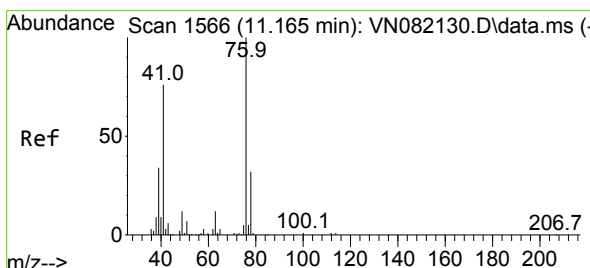
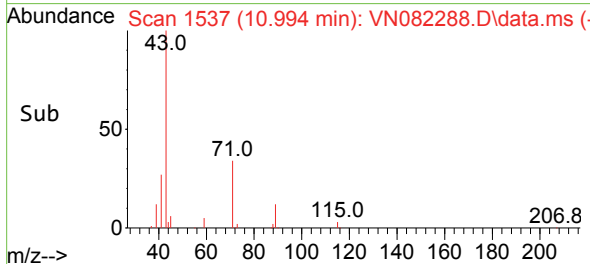
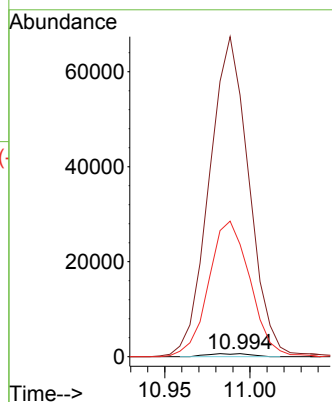


#56
Ethyl methacrylate
Concen: 0.280 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

Instrument :
MSVOA_N
ClientSampleId :

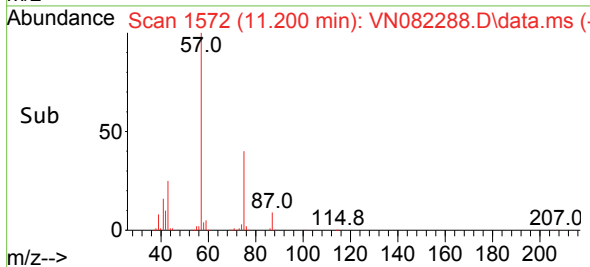
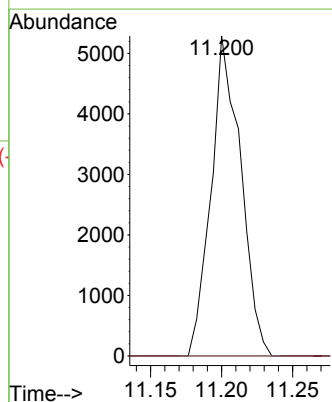
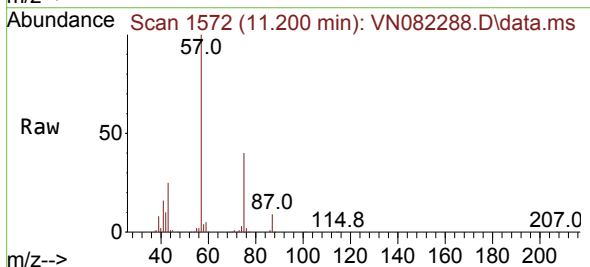


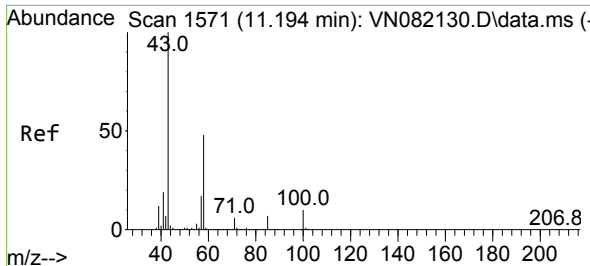
Tgt Ion: 69 Resp: 1137
Ion Ratio Lower Upper
69 100
41 9666.6 46.6 70.0#
39 4250.8 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.717 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

Tgt Ion: 76 Resp: 7676
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

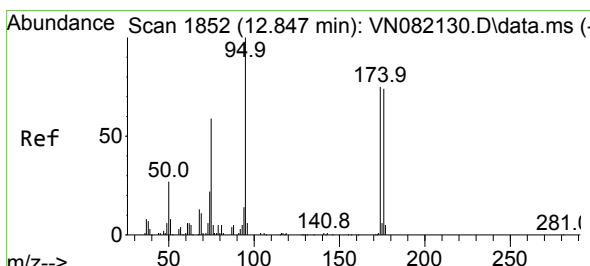
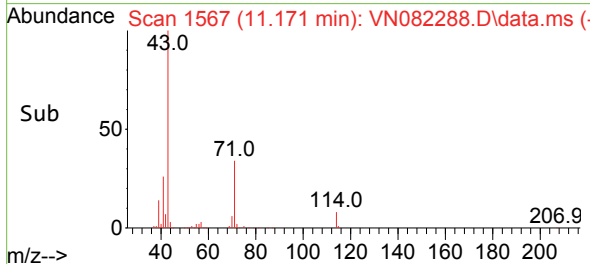
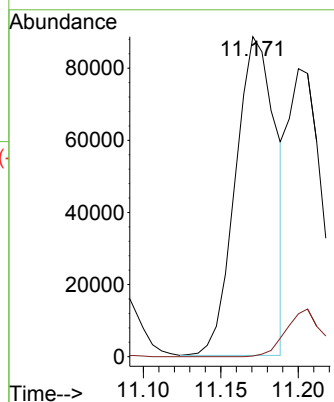
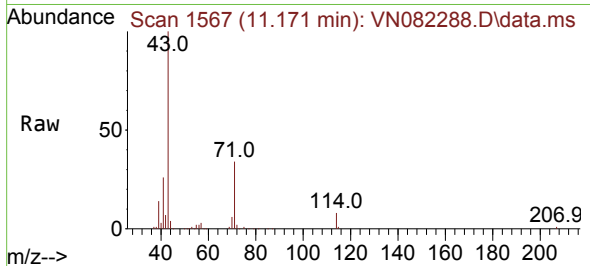




#59
2-Hexanone
Concen: 52.792 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

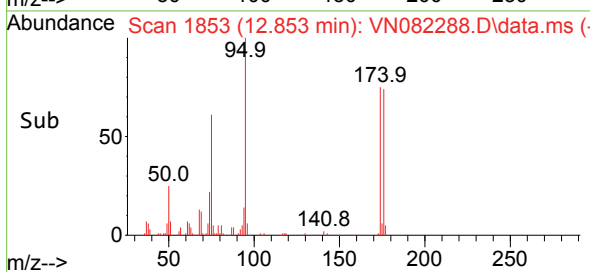
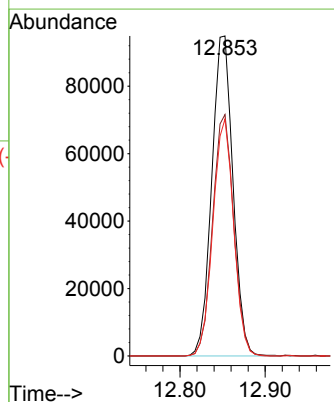
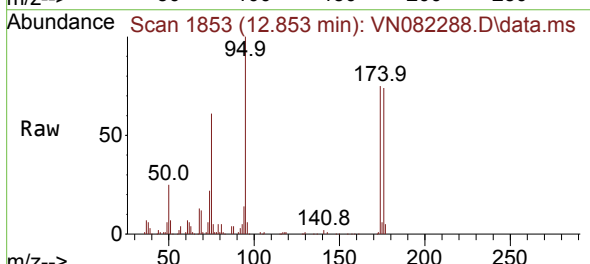
Instrument :
MSVOA_N
ClientSampleId :

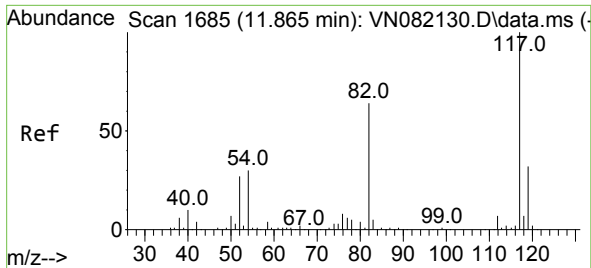
Tgt Ion: 43 Resp: 160164
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.666 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

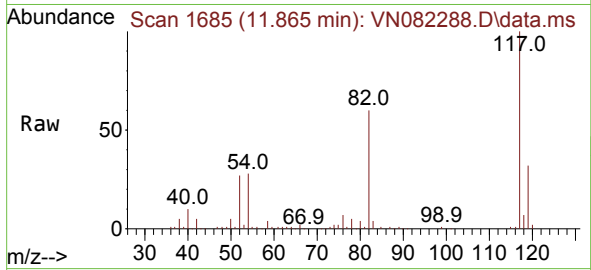
Tgt Ion: 95 Resp: 164031
Ion Ratio Lower Upper
95 100
174 75.3 0.0 160.6
176 72.4 0.0 152.8



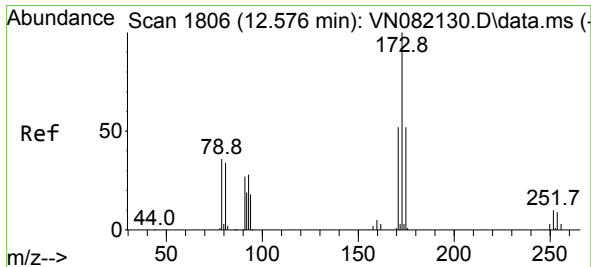
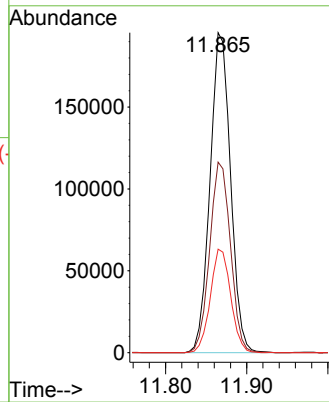
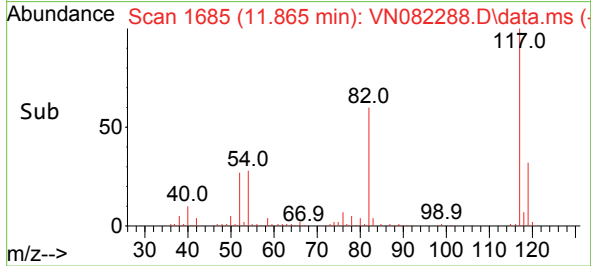


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

Instrument :
MSVOA_N
ClientSampleId :

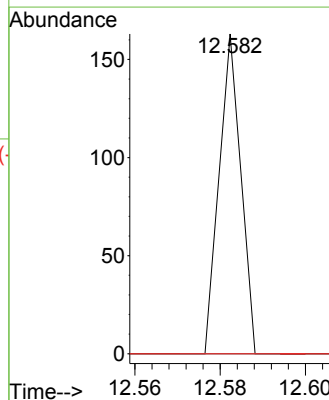
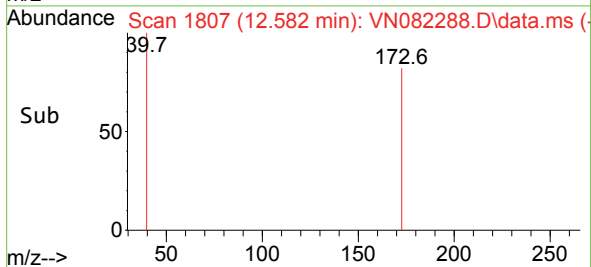
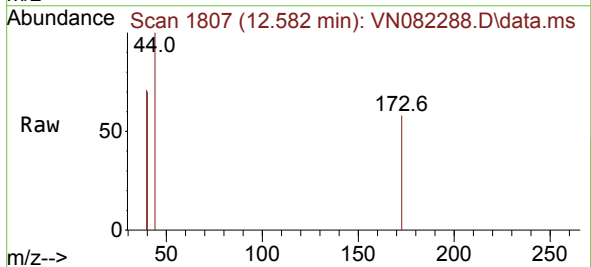


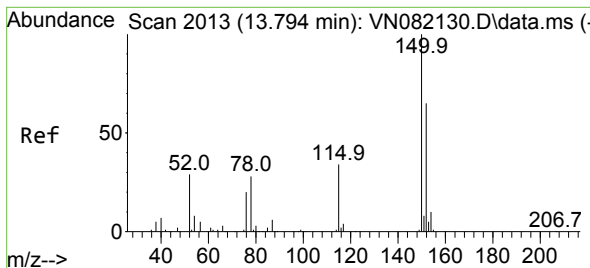
Tgt Ion:117 Resp: 342656
Ion Ratio Lower Upper
117 100
82 59.6 44.6 66.8
119 32.4 25.9 38.9



#71
Bromoform
Concen: 0.729 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

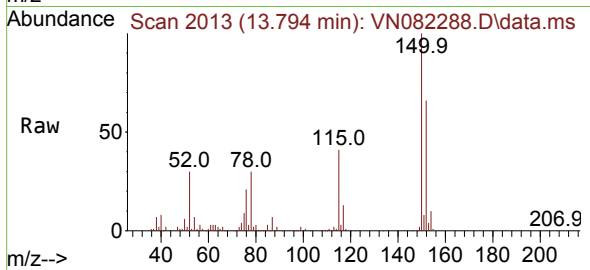
Tgt Ion:173 Resp: 57
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



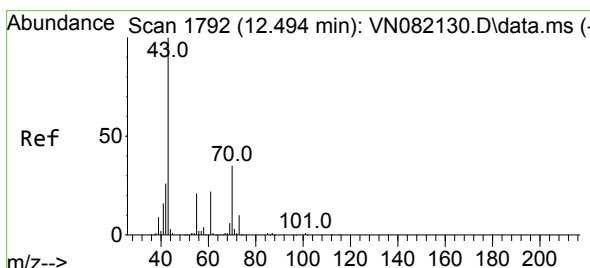
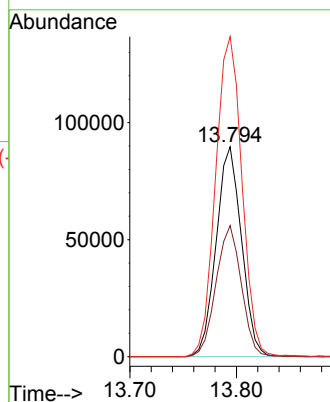
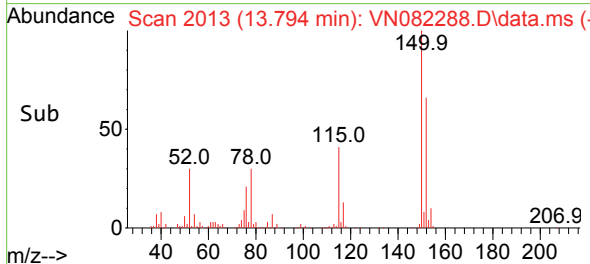


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN082288.D
 Acq: 22 May 2024 13:04

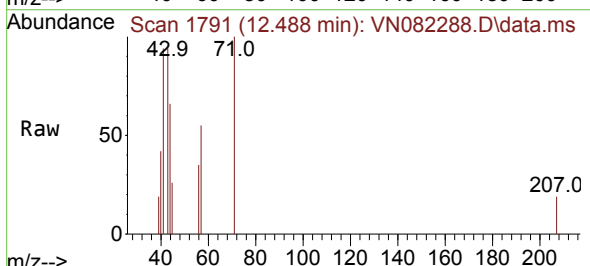
Instrument :
 MSVOA_N
 ClientSampleId :



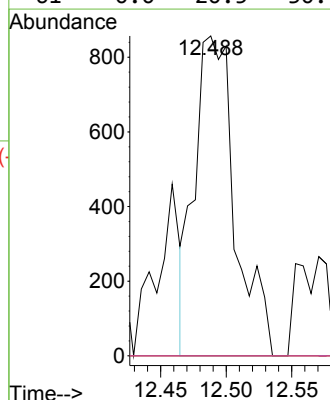
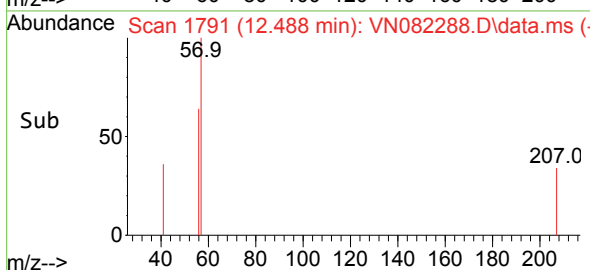
Tgt Ion:152 Resp: 148097
 Ion Ratio Lower Upper
 152 100
 115 62.3 30.4 91.3
 150 159.0 0.0 353.2

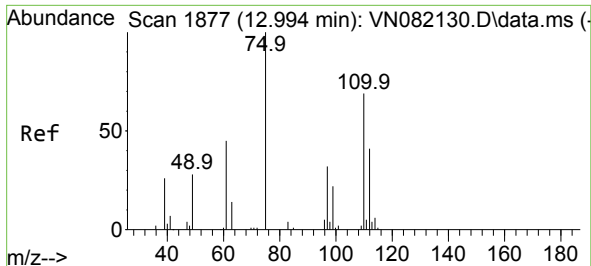


#74
 N-ethyl acetate
 Concen: 0.284 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN082288.D
 Acq: 22 May 2024 13:04



Tgt Ion: 43 Resp: 1840
 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#

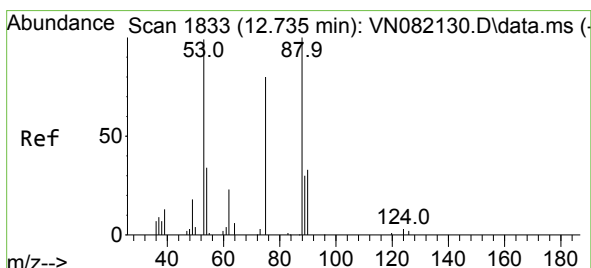
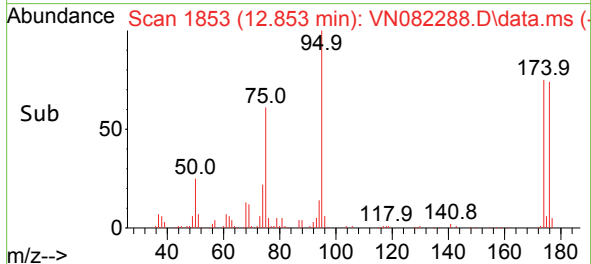
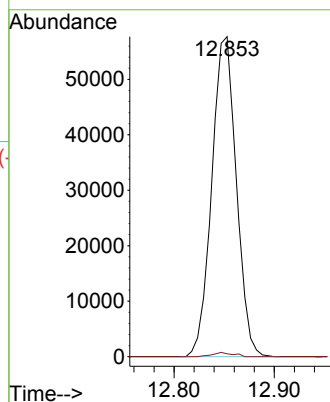
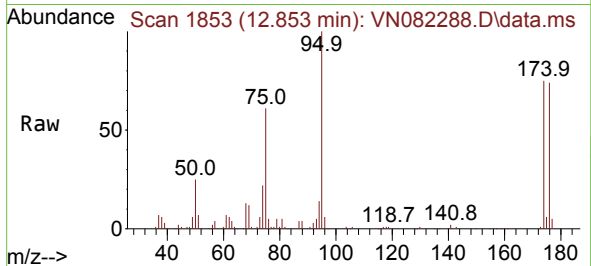




#76
1,2,3-Trichloropropane
Concen: 31.494 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 98170
Ion Ratio Lower Upper
75 100
77 1.1 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.664 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082288.D
Acq: 22 May 2024 13:04

Tgt Ion: 75 Resp: 98170
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

