

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078206.D
 Acq On : 14 Jun 2023 15:20
 Operator : JC\MD
 Sample : 03166-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TEST-PIT-6-12-23

Quant Time: Jun 15 02:44:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

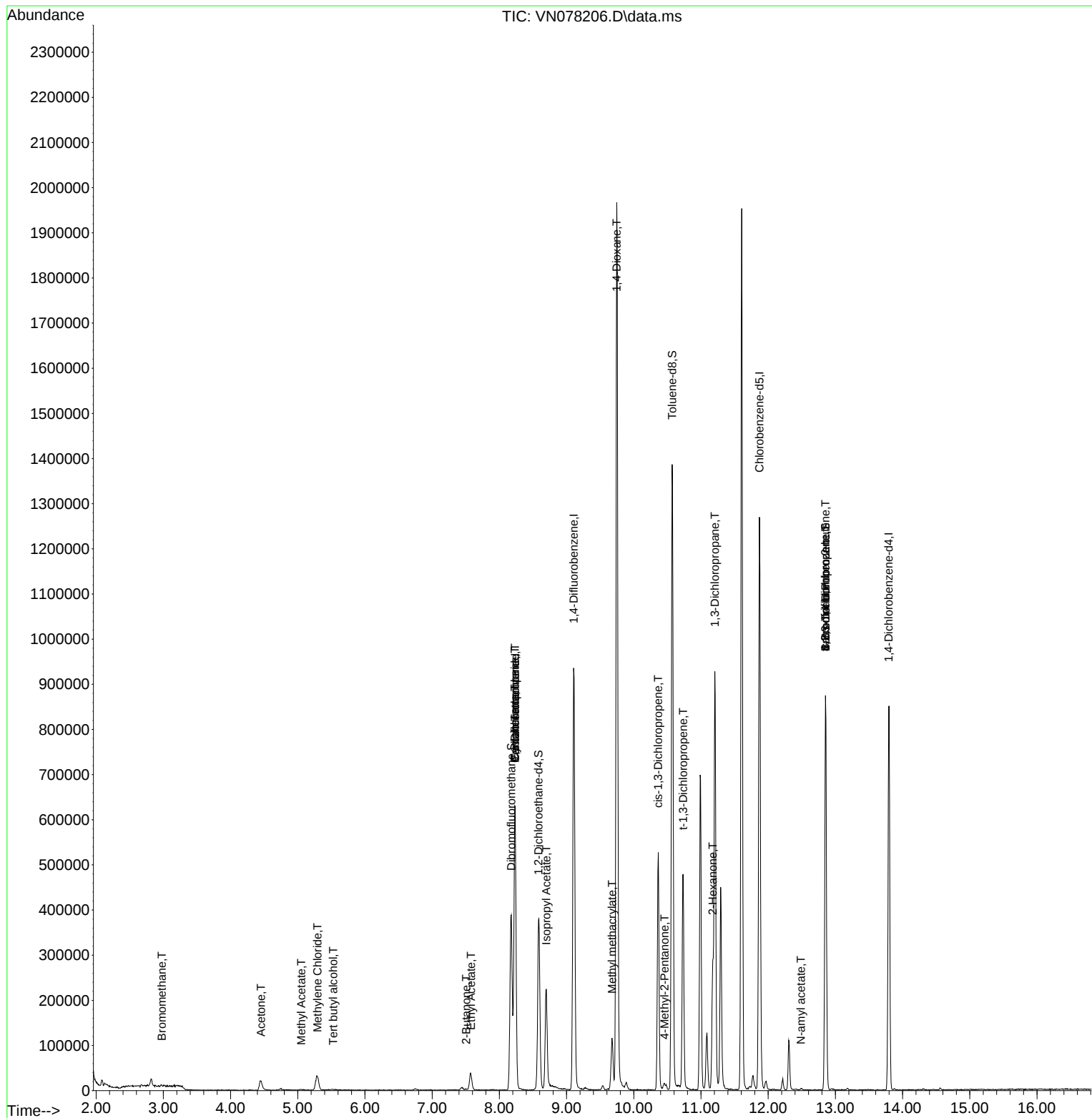
Internal Standards						
1) Pentafluorobenzene	8.235	168	446156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	830111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	759204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	235596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	317519	53.377	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.760%	
35) Dibromofluoromethane	8.177	113	285036	54.306	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.620%	
50) Toluene-d8	10.571	98	1003111	49.575	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.160%	
62) 4-Bromofluorobenzene	12.853	95	314681	50.026	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1146	Below Cal		92
5) Bromomethane	2.977	94	1672	0.335	ug/l	91
11) Tert butyl alcohol	5.530	59	592	0.721	ug/l #	72
16) Acetone	4.453	43	41985	24.521	ug/l	98
18) Methyl Acetate	5.053	43	2459	0.312	ug/l #	77
20) Methylene Chloride	5.294	84	25607	4.526	ug/l	98
25) 2-Butanone	7.506	43	2014	0.765	ug/l #	75
31) Cyclohexane	8.230	56	11074	1.451	ug/l #	58
36) 1,1-Dichloropropene	8.230	75	39645	5.266	ug/l #	47
37) Ethyl Acetate	7.577	43	52579	8.940	ug/l	96
38) Carbon Tetrachloride	8.235	117	47602	5.988	ug/l #	16
43) Isopropyl Acetate	8.700	43	255767	22.739	ug/l #	85
48) Methyl methacrylate	9.677	41	6578	1.394	ug/l #	3
49) 1,4-Dioxane	9.747	88	220	2.218	ug/l #	1
51) 4-Methyl-2-Pentanone	10.459	43	8082	1.365	ug/l	98
53) t-1,3-Dichloropropene	10.735	75	1637	0.205	ug/l	99
54) cis-1,3-Dichloropropene	10.365	75	98575	11.191	ug/l #	65
57) 1,3-Dichloropropane	11.206	76	10785	1.190	ug/l #	42
59) 2-Hexanone	11.176	43	217808	52.813	ug/l #	19
71) Bromoform	12.853	173	2398	0.621	ug/l #	1
74) N-amyl acetate	12.488	43	1784	0.243	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.941	83	61	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	164780	29.586	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	164780	90.897	ug/l #	15

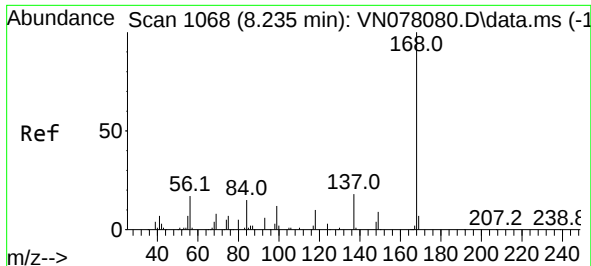
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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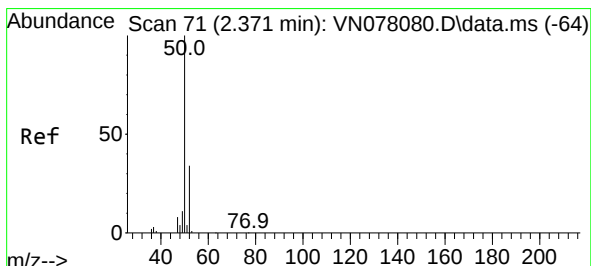
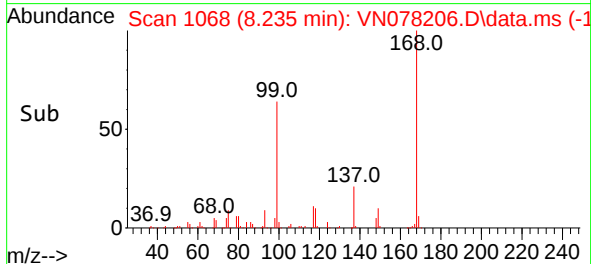
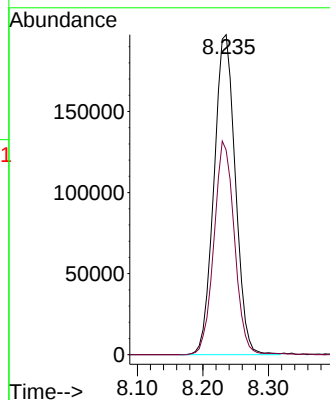
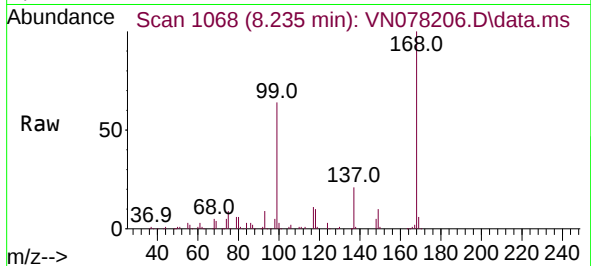




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

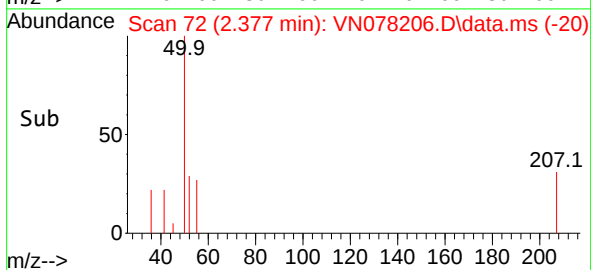
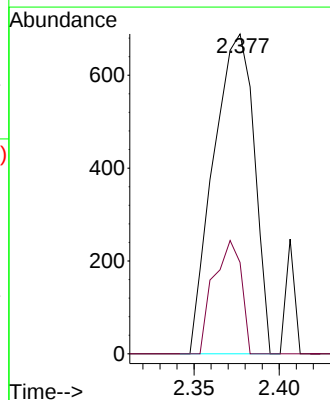
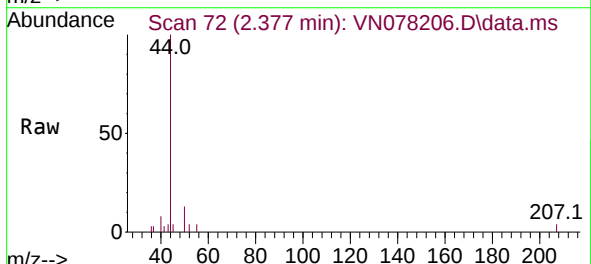
Instrument :
MSVOA_N
ClientSampleId :
TEST-PIT-6-12-23

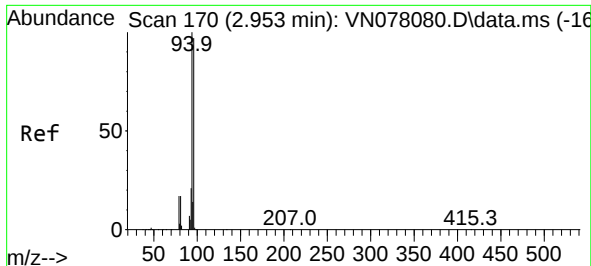
Tgt Ion:168 Resp: 446156
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Tgt Ion: 50 Resp: 1146
Ion Ratio Lower Upper
50 100
52 28.6 26.5 39.7

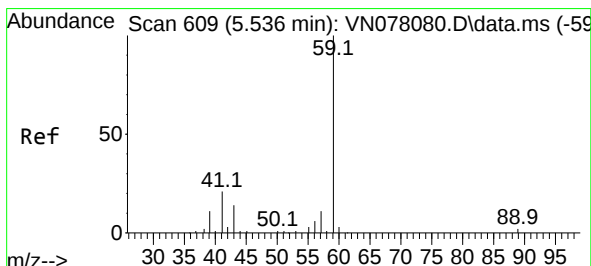
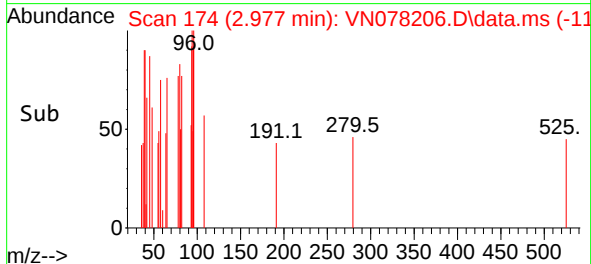
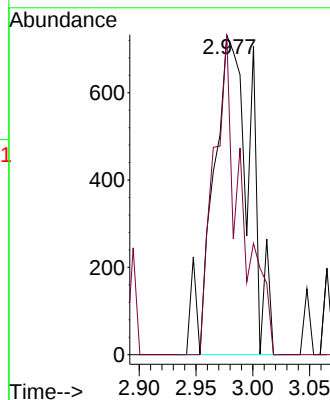
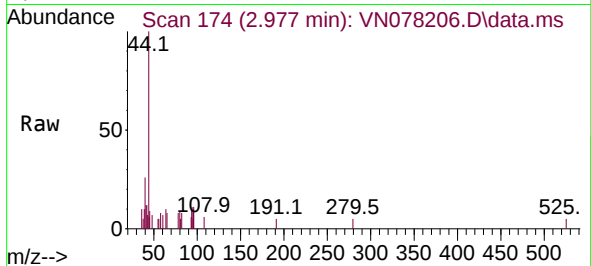




#5
Bromomethane
Concen: 0.335 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

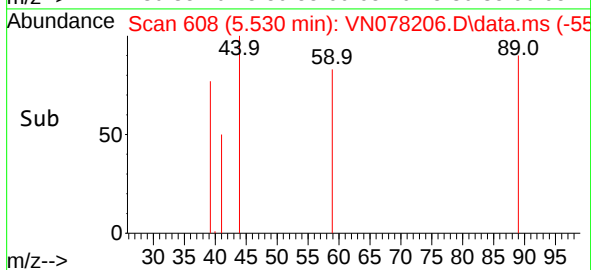
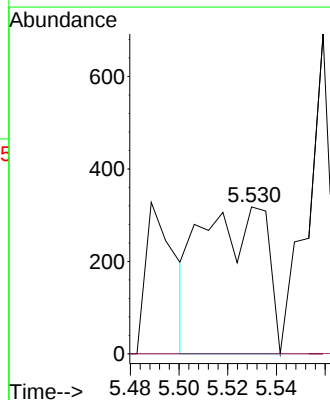
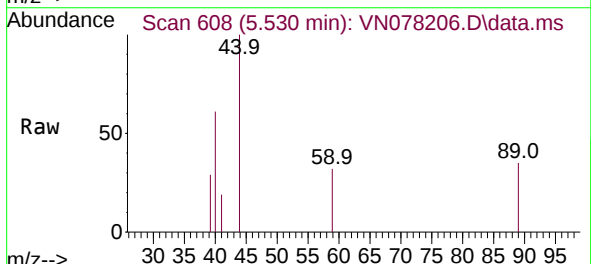
Instrument :
MSVOA_N
ClientSampleId :
TEST-PIT-6-12-23

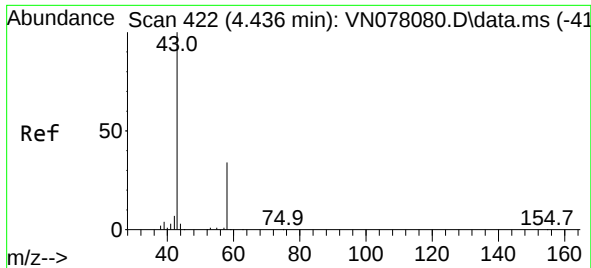
Tgt Ion: 94 Resp: 1672
Ion Ratio Lower Upper
94 100
96 100.1 73.1 109.7



#11
Tert butyl alcohol
Concen: 0.721 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Tgt Ion: 59 Resp: 592
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 24.521 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN078206.D

Acq: 14 Jun 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

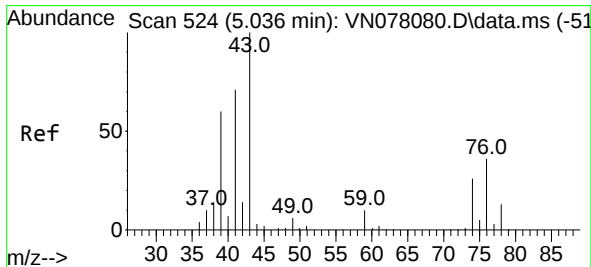
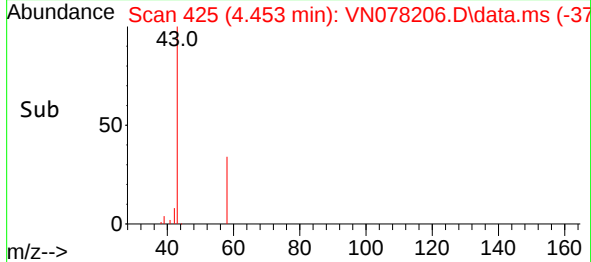
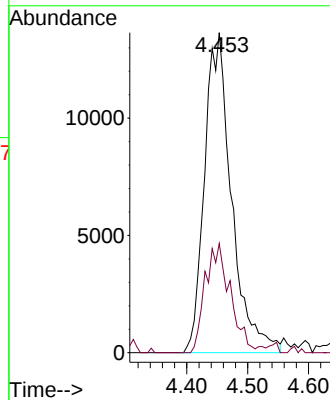
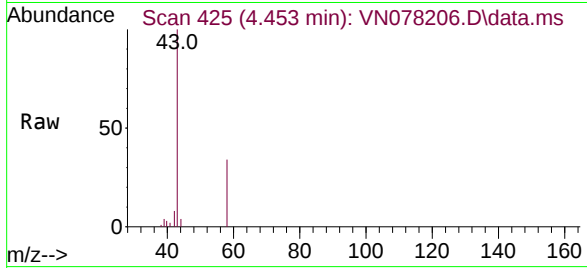
TEST-PIT-6-12-23

Tgt Ion: 43 Resp: 41985

Ion Ratio Lower Upper

43 100

58 34.1 28.0 42.0



#18

Methyl Acetate

Concen: 0.312 ug/l

RT: 5.053 min Scan# 527

Delta R.T. 0.018 min

Lab File: VN078206.D

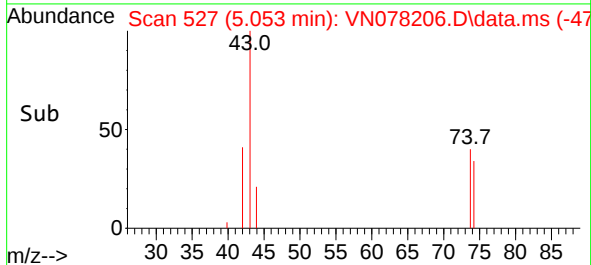
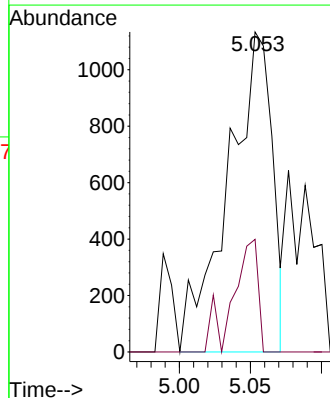
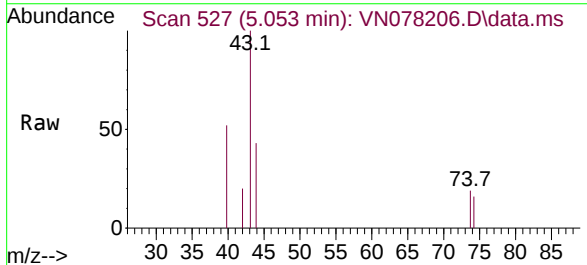
Acq: 14 Jun 2023 15:20

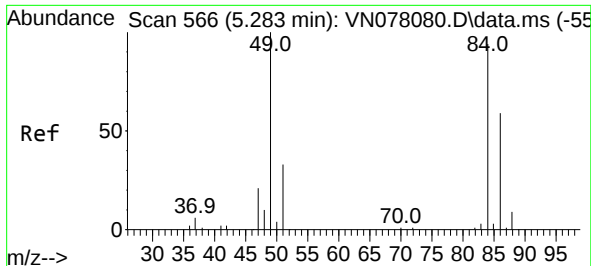
Tgt Ion: 43 Resp: 2459

Ion Ratio Lower Upper

43 100

74 19.8 26.2 39.4#

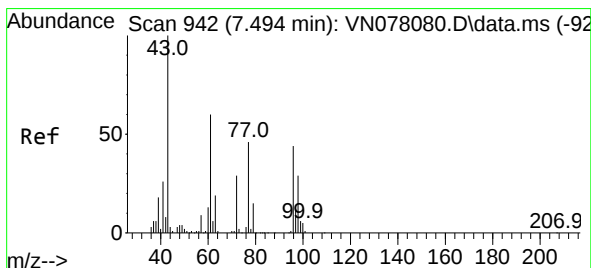
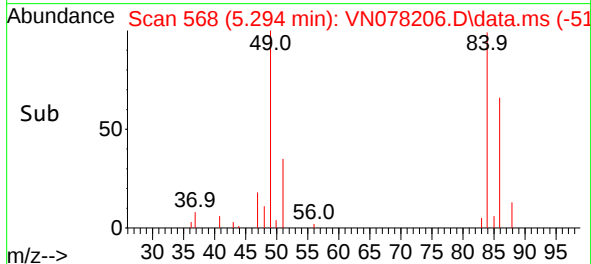
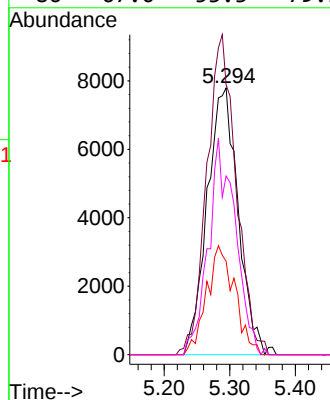
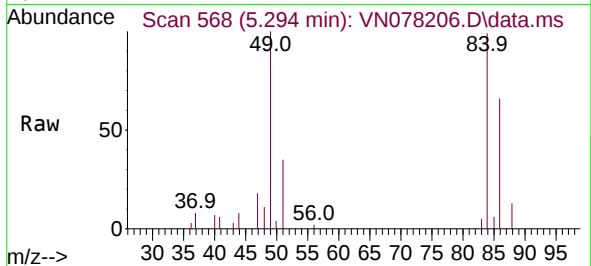




#20
Methylene Chloride
Concen: 4.526 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

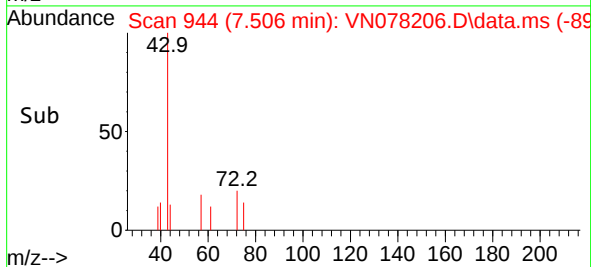
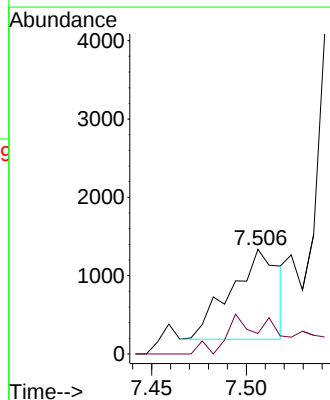
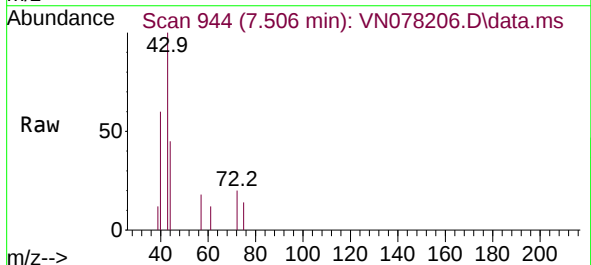
Instrument :
MSVOA_N
ClientSampleId :
TEST-PIT-6-12-23

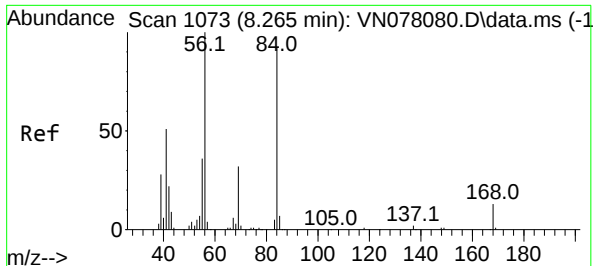
Tgt Ion:	84	Resp:	25607
Ion	Ratio	Lower	Upper
84	100		
49	101.2	79.7	119.5
51	35.0	25.2	37.8
86	67.0	53.3	79.9



#25
2-Butanone
Concen: 0.765 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Tgt Ion:	43	Resp:	2014
Ion	Ratio	Lower	Upper
43	100		
72	22.8	30.2	45.2#

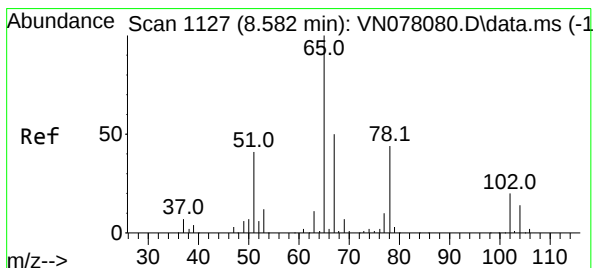
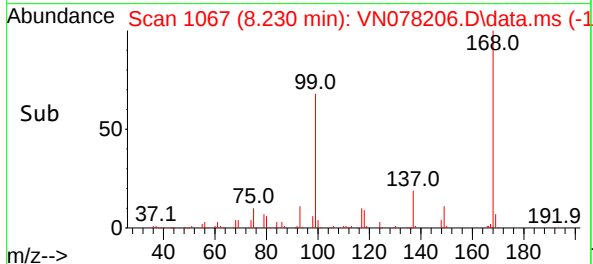
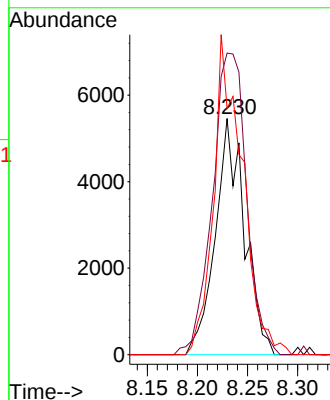
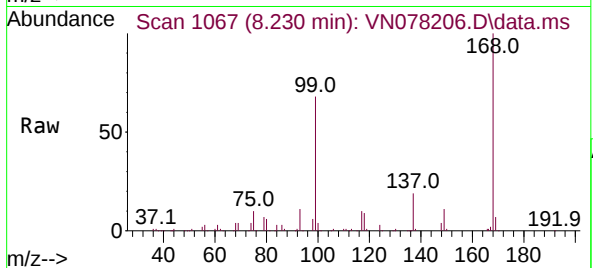




#31
Cyclohexane
Concen: 1.451 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

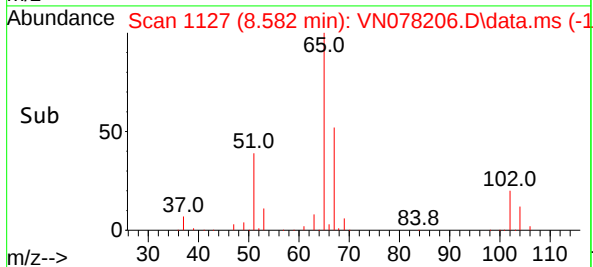
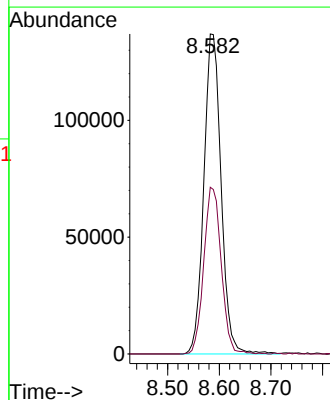
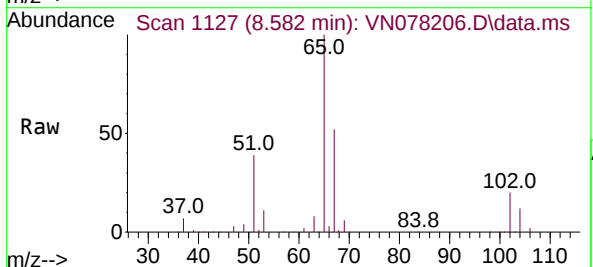
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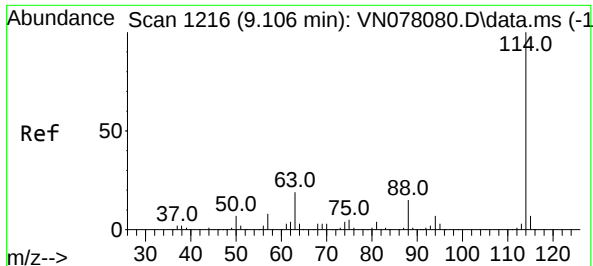
Tgt Ion: 56 Resp: 11074
Ion Ratio Lower Upper
56 100
69 127.7 26.8 40.2#
84 104.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 53.377 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Tgt Ion: 65 Resp: 317519
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078206.D

Acq: 14 Jun 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

TEST-PIT-6-12-23

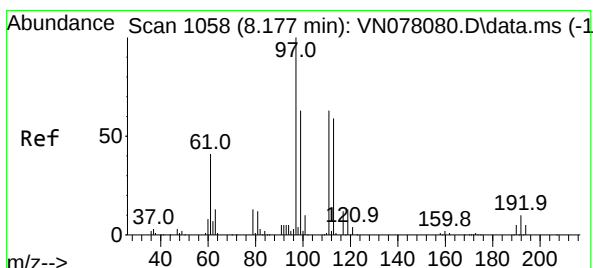
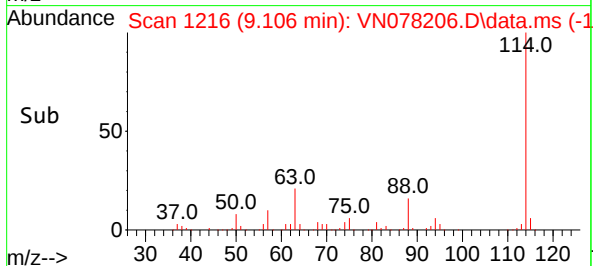
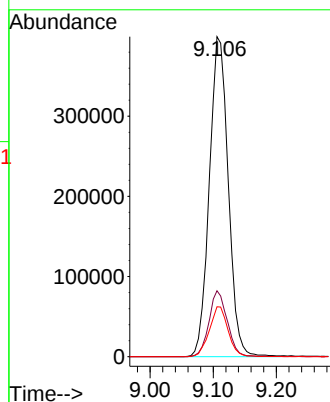
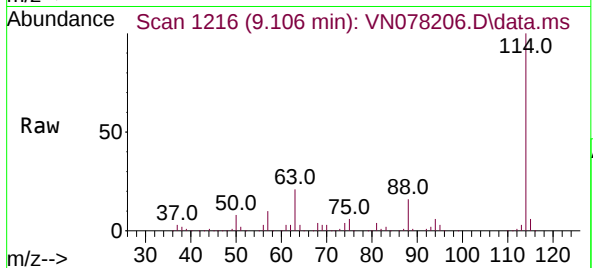
Tgt Ion:114 Resp: 830111

Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.306 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078206.D

Acq: 14 Jun 2023 15:20

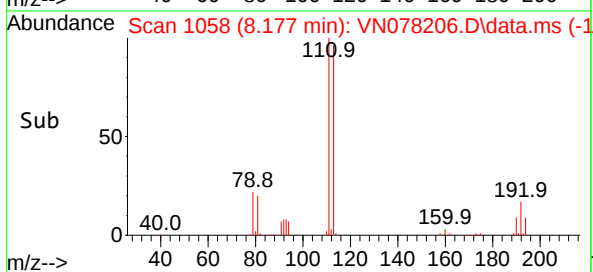
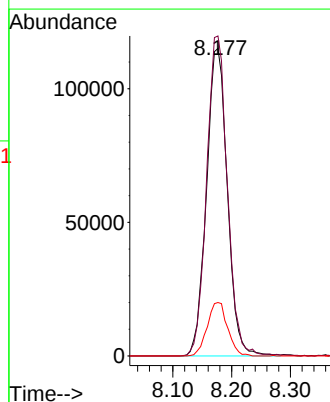
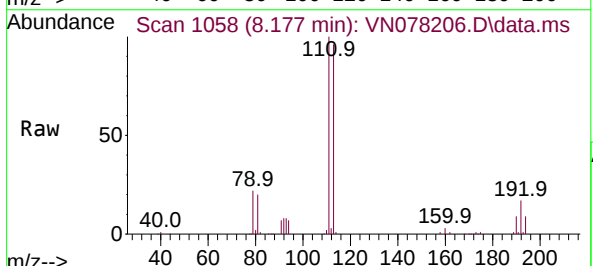
Tgt Ion:113 Resp: 285036

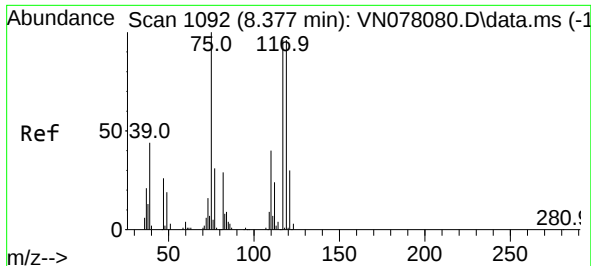
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 16.9 12.7 19.1

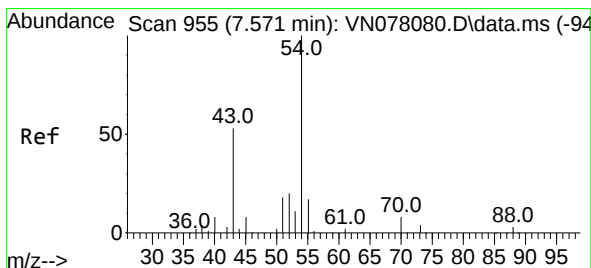
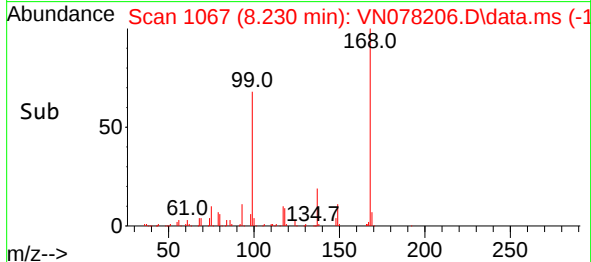
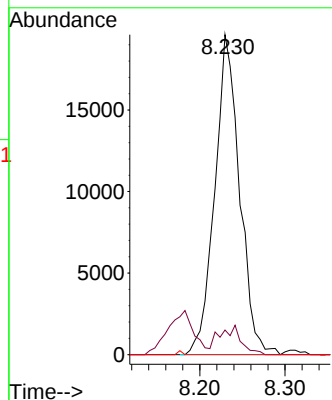
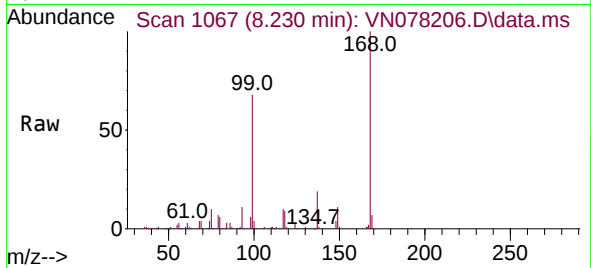




#36
1,1-Dichloropropene
Concen: 5.266 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

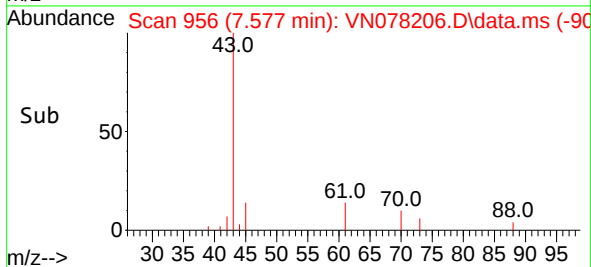
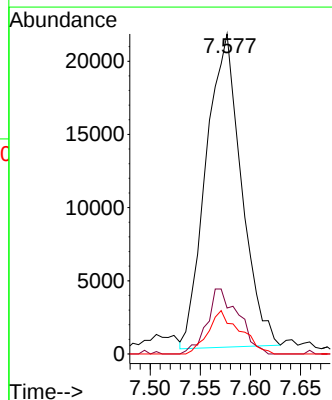
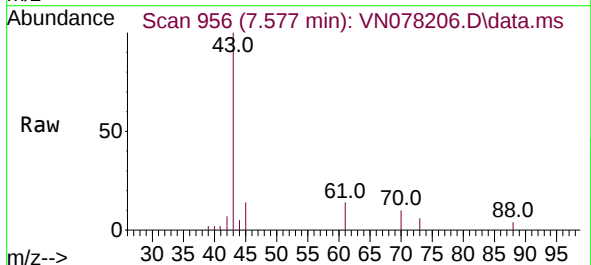
Instrument :
MSVOA_N
ClientSampleId :
TEST-PIT-6-12-23

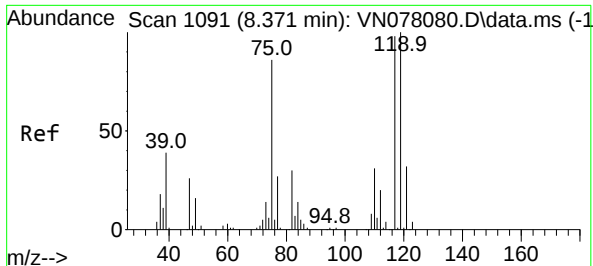
Tgt Ion: 75 Resp: 39645
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.940 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

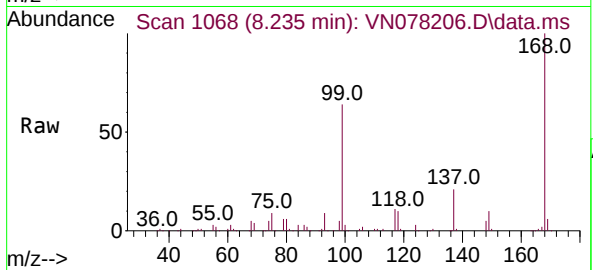
Tgt Ion: 43 Resp: 52579
Ion Ratio Lower Upper
43 100
61 18.5 13.2 19.8
70 12.4 11.3 16.9



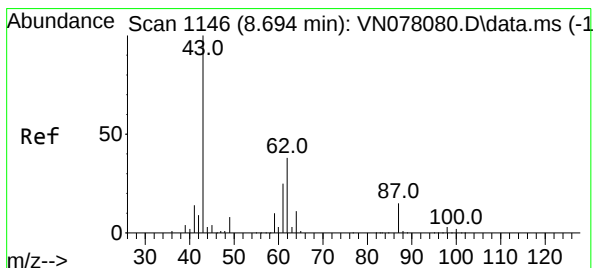
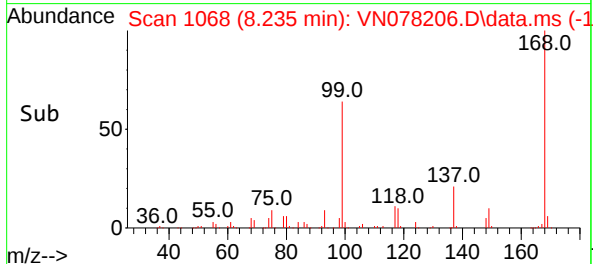
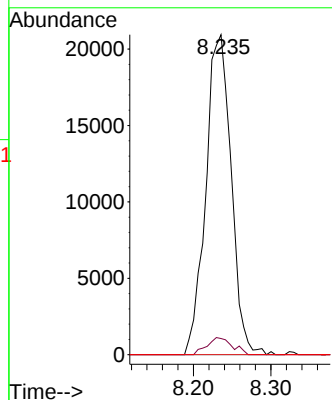


#38
Carbon Tetrachloride
Concen: 5.988 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Instrument :
MSVOA_N
ClientSampleId :
TEST-PIT-6-12-23

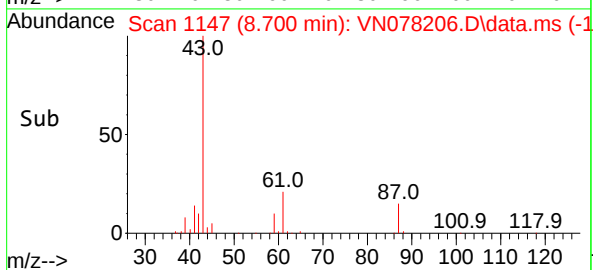
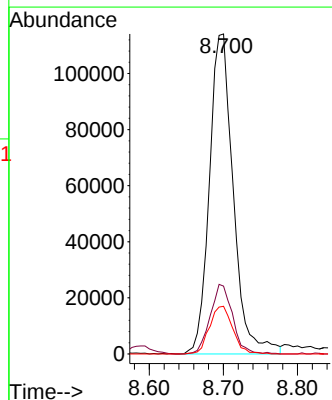
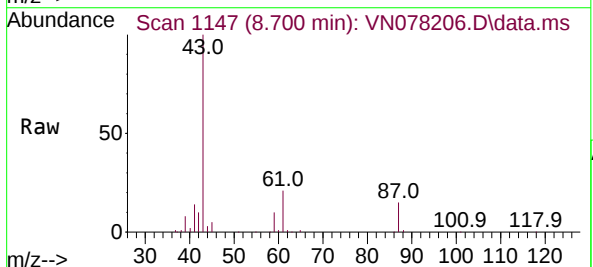


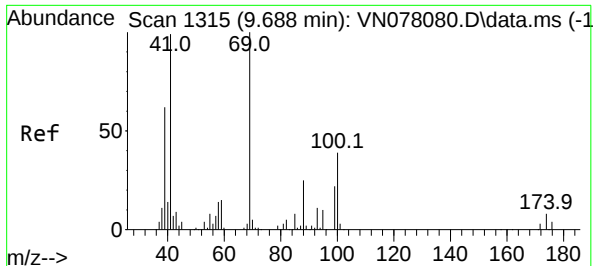
Tgt Ion:117 Resp: 47602
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 22.739 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Tgt Ion: 43 Resp: 255767
Ion Ratio Lower Upper
43 100
61 20.3 24.7 37.1#
87 14.4 14.6 21.8#

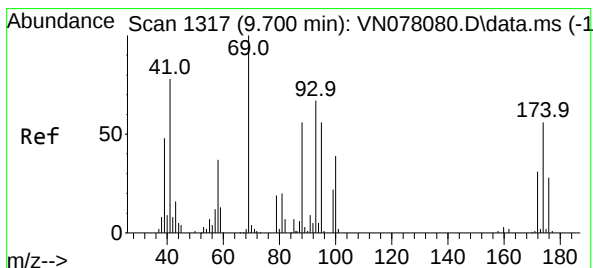
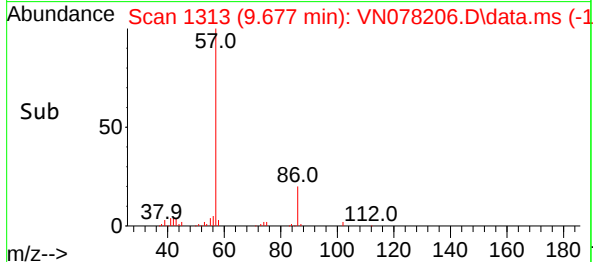
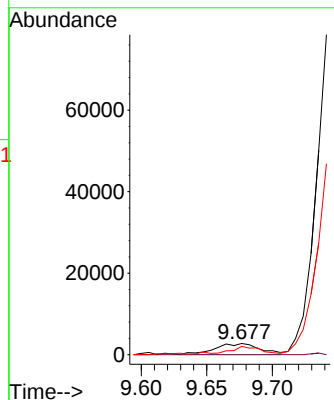
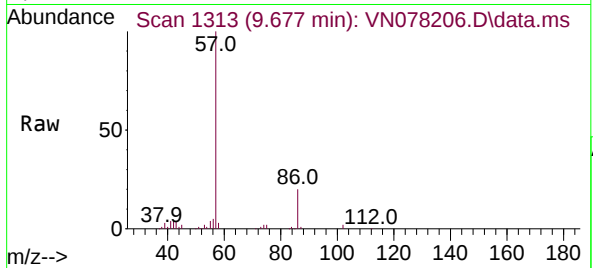




#48
Methyl methacrylate
Concen: 1.394 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

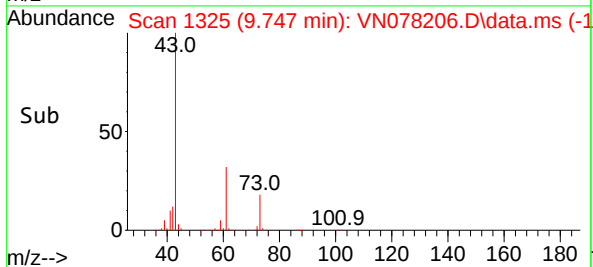
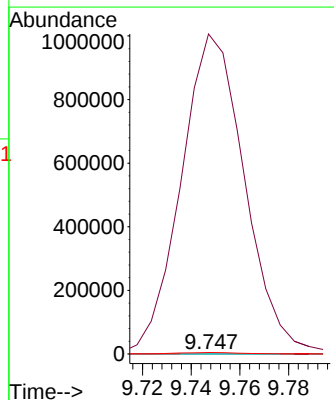
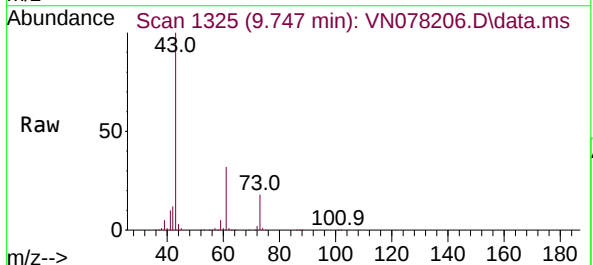
Instrument :
MSVOA_N
ClientSampleId :
TEST-PIT-6-12-23

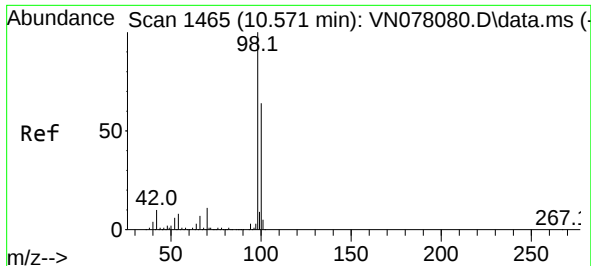
Tgt Ion: 41 Resp: 6578
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 0.0 54.6 81.8#



#49
1,4-Dioxane
Concen: 2.218 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Tgt Ion: 88 Resp: 220
Ion Ratio Lower Upper
88 100
43 840943.2 17.0 25.6#
58 4004.1 47.0 70.4#

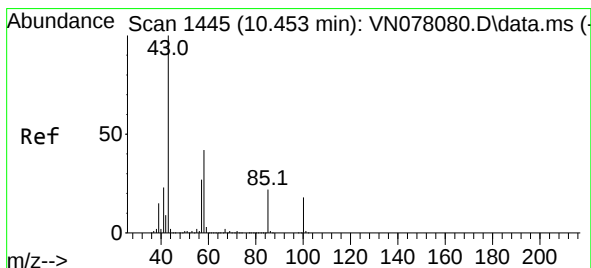
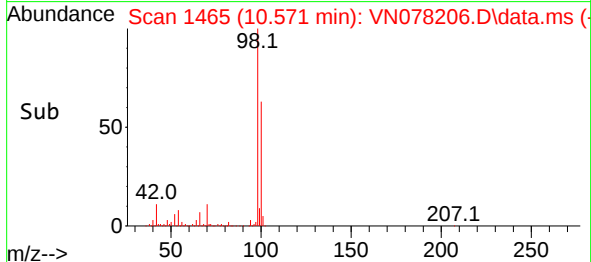
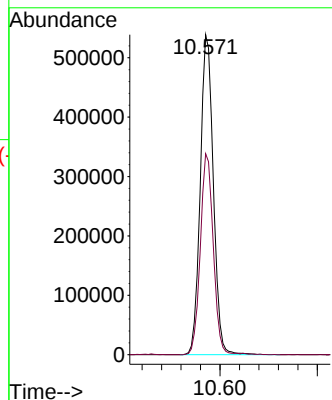
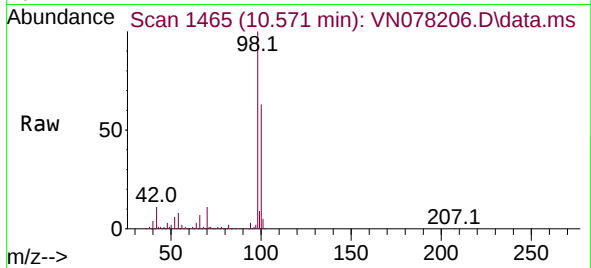




#50
Toluene-d8
Concen: 49.575 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

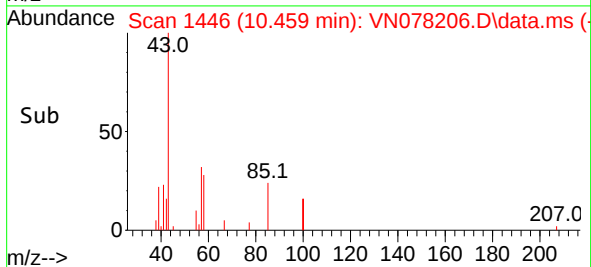
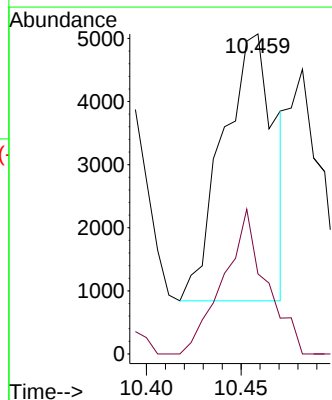
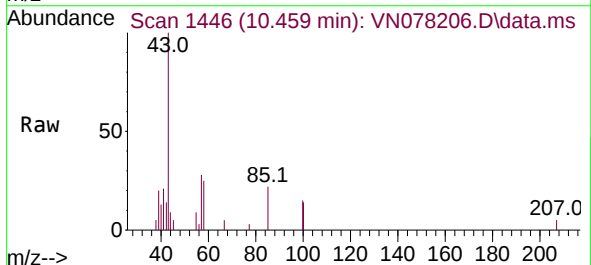
Instrument :
MSVOA_N
ClientSampleId :
TEST-PIT-6-12-23

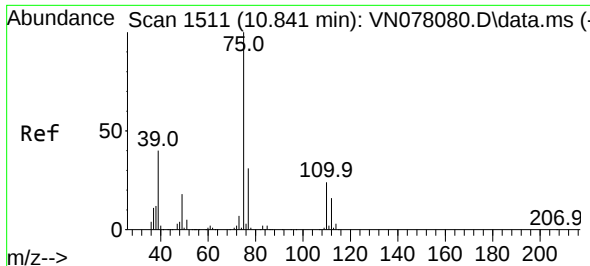
Tgt Ion: 98 Resp: 1003111
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.365 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Tgt Ion: 43 Resp: 8082
Ion Ratio Lower Upper
43 100
58 44.3 36.6 54.8

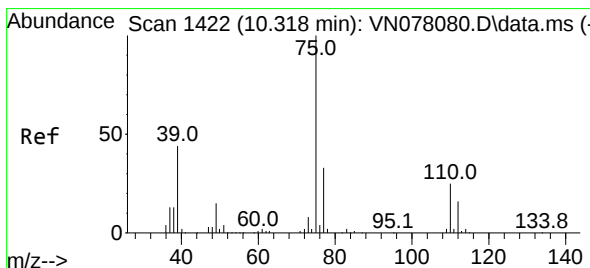
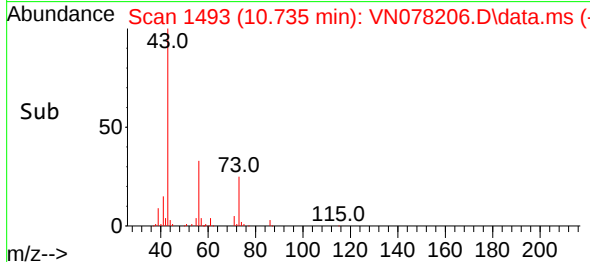
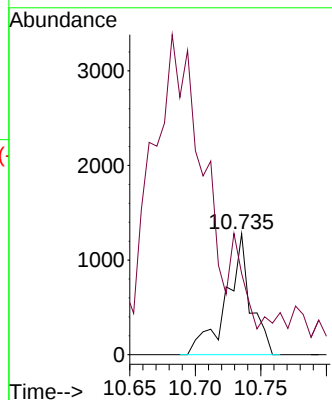
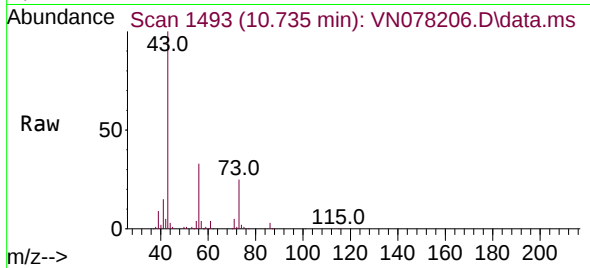




#53
 t-1,3-Dichloropropene
 Concen: 0.205 ug/l
 RT: 10.735 min Scan# 1430
 Delta R.T. -0.106 min
 Lab File: VN078206.D
 Acq: 14 Jun 2023 15:20

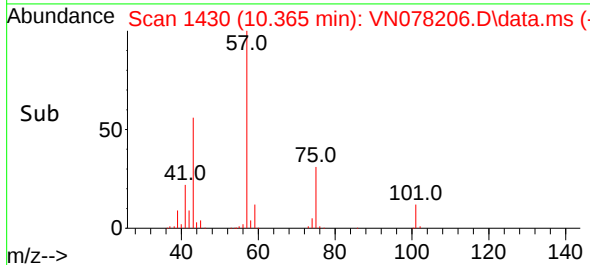
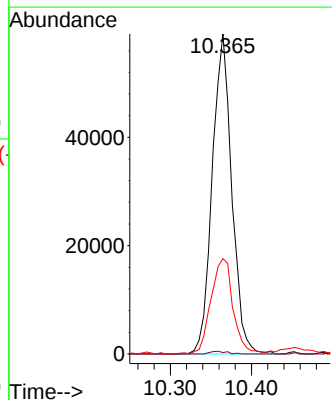
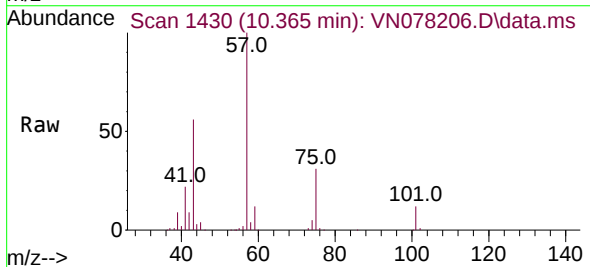
Instrument :
 MSVOA_N
 ClientSampleId :
 TEST-PIT-6-12-23

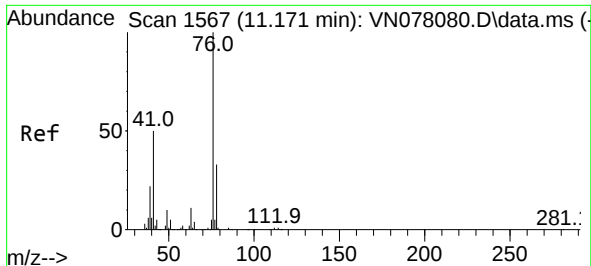
Tgt Ion: 75 Resp: 1637
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 11.191 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN078206.D
 Acq: 14 Jun 2023 15:20

Tgt Ion: 75 Resp: 98575
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 29.5 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.190 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN078206.D

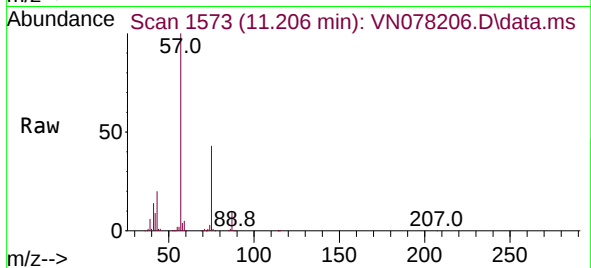
Acq: 14 Jun 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

TEST-PIT-6-12-23

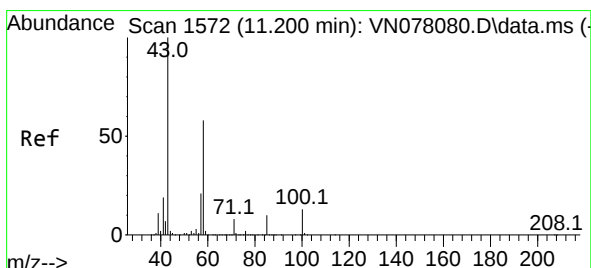
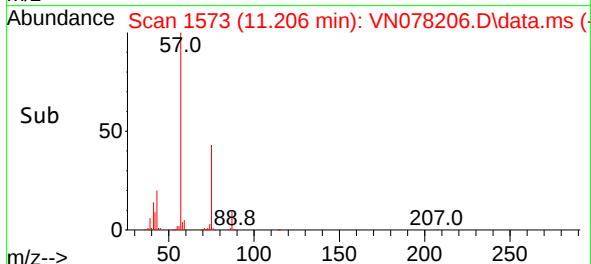
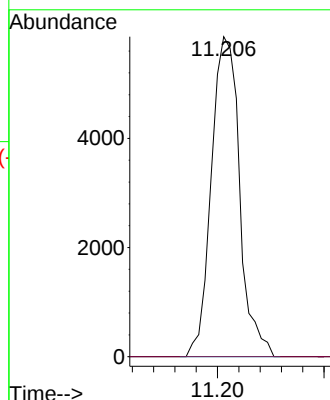


Tgt Ion: 76 Resp: 10785

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 52.813 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078206.D

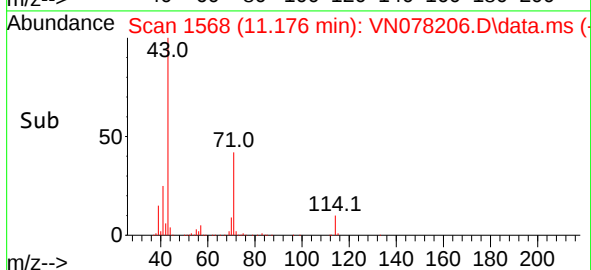
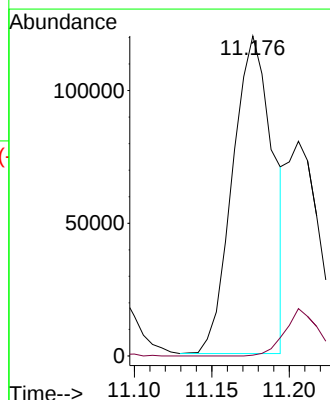
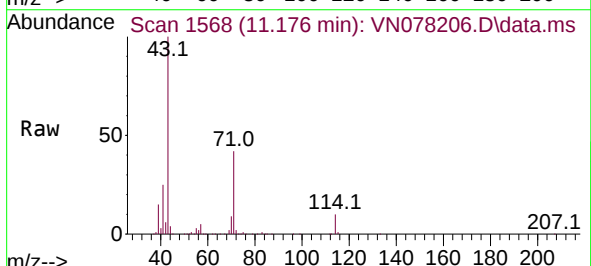
Acq: 14 Jun 2023 15:20

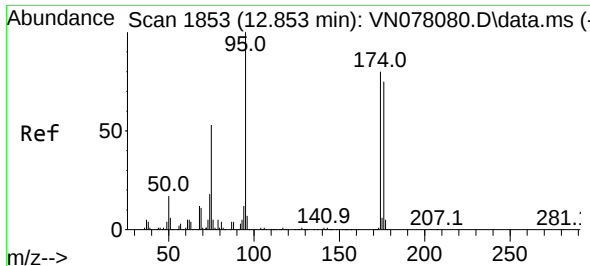
Tgt Ion: 43 Resp: 217808

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

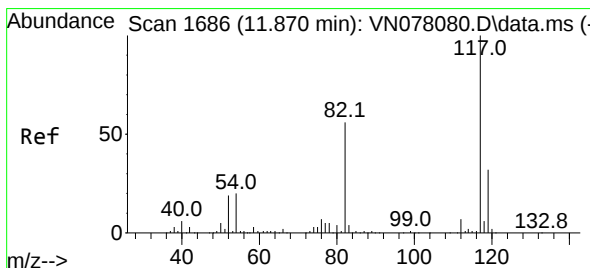
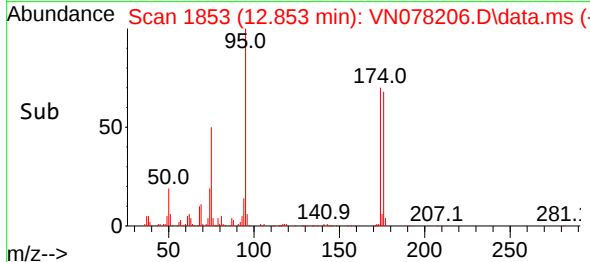
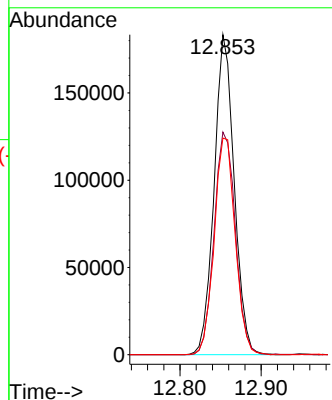
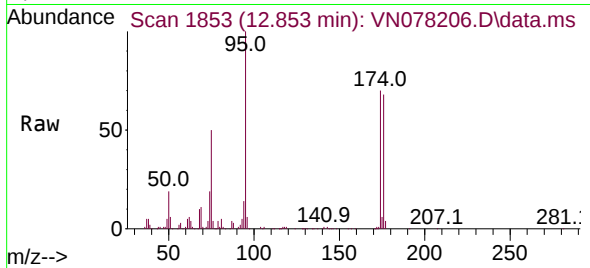




#62
4-Bromofluorobenzene
Concen: 50.026 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

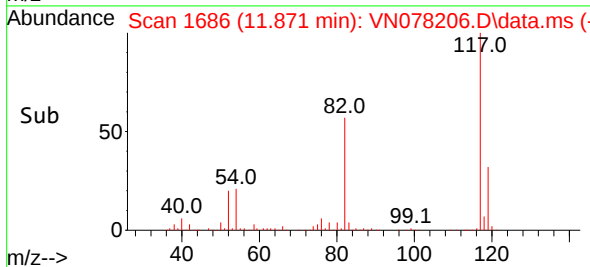
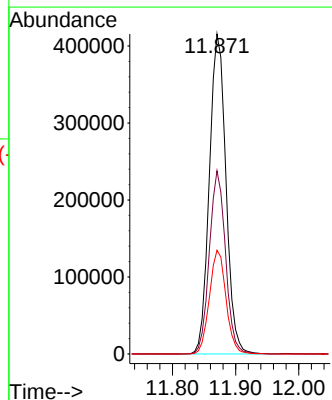
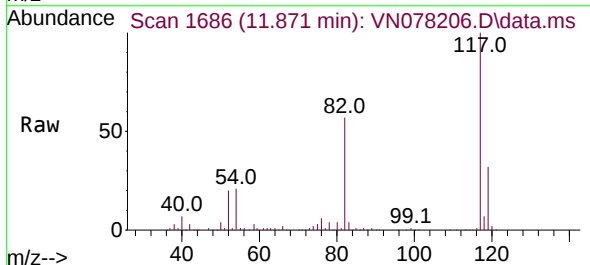
Instrument :
MSVOA_N
ClientSampleId :
TEST-PIT-6-12-23

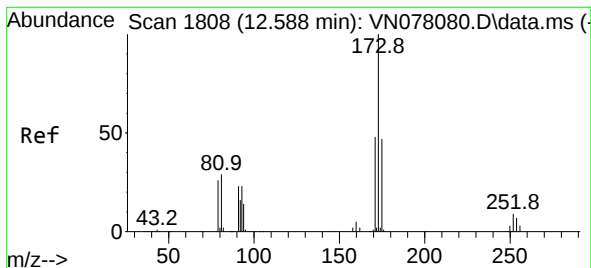
Tgt Ion: 95 Resp: 314681
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 71.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Tgt Ion: 117 Resp: 759204
Ion Ratio Lower Upper
117 100
82 57.2 44.0 66.0
119 32.4 25.6 38.4





#71

Bromoform

Concen: 0.621 ug/l

RT: 12.853 min Scan# 1

Delta R.T. 0.265 min

Lab File: VN078206.D

Acq: 14 Jun 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

TEST-PIT-6-12-23

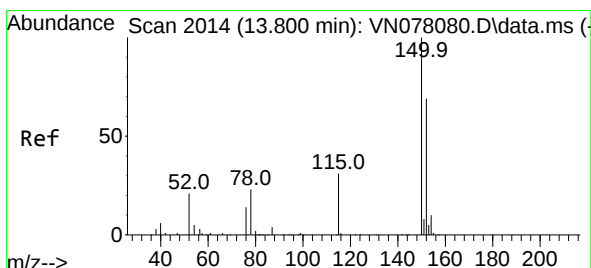
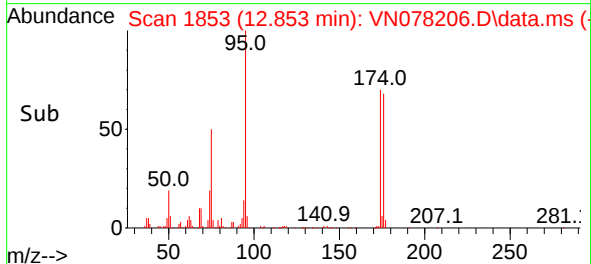
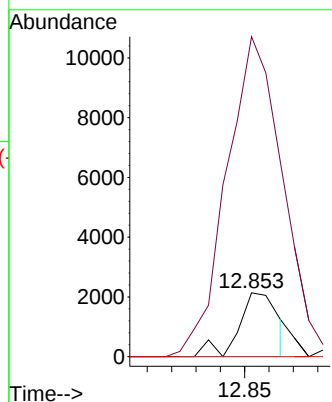
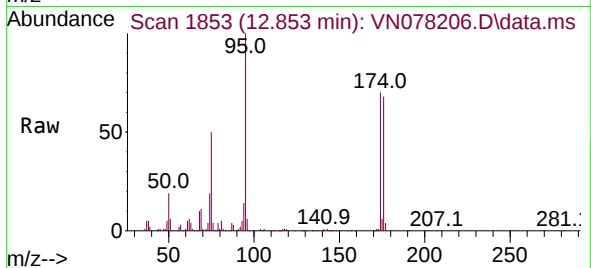
Tgt Ion:173 Resp: 2398

Ion Ratio Lower Upper

173 100

175 635.9 24.3 73.0#

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. -0.006 min

Lab File: VN078206.D

Acq: 14 Jun 2023 15:20

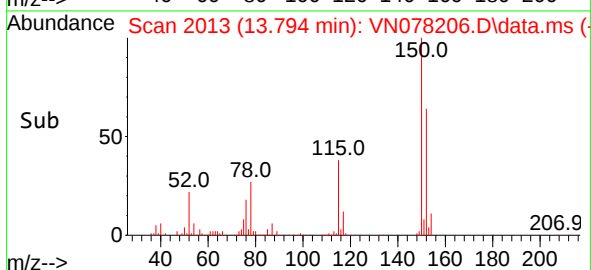
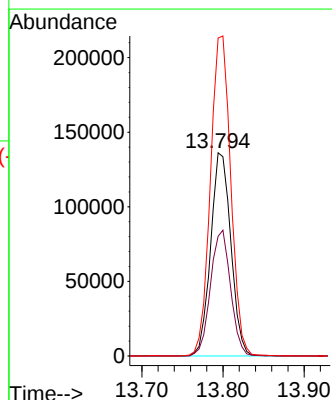
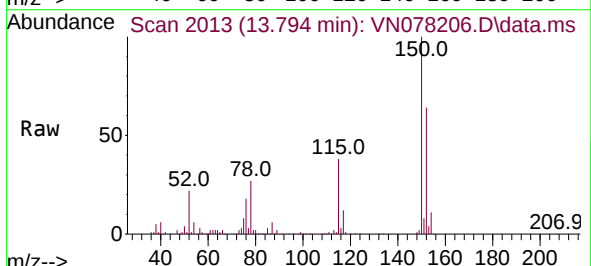
Tgt Ion:152 Resp: 235596

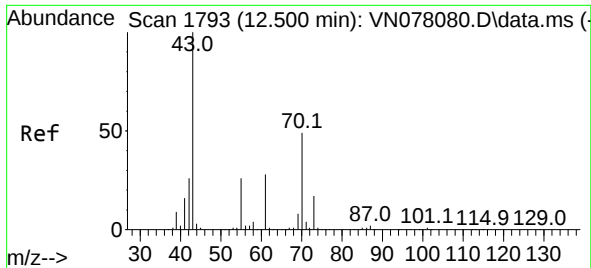
Ion Ratio Lower Upper

152 100

115 61.4 32.3 96.8

150 158.6 0.0 355.8

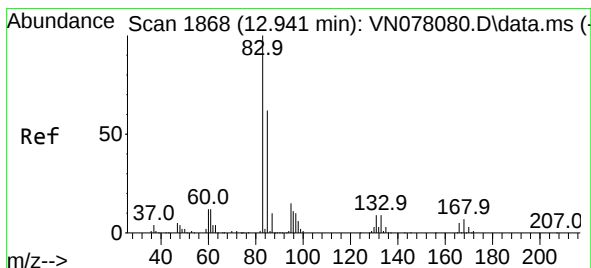
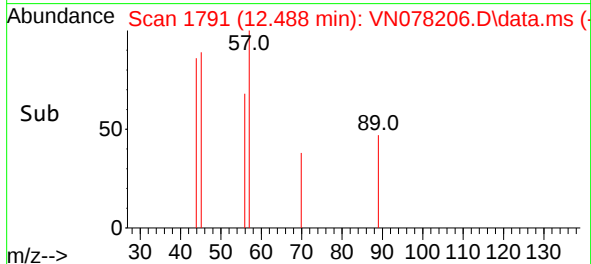
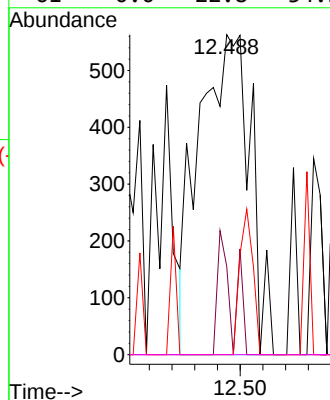
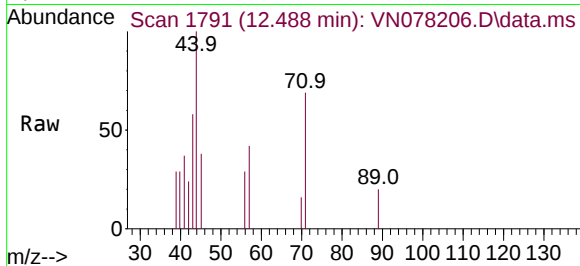




#74
N-amy1 acetate
Concen: 0.243 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

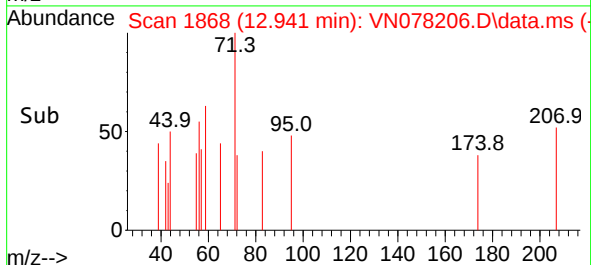
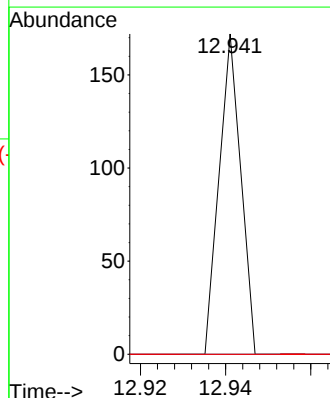
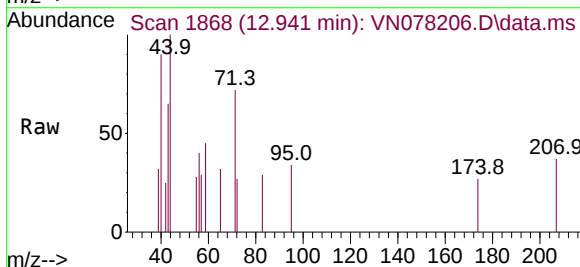
Instrument :
MSVOA_N
ClientSampleId :
TEST-PIT-6-12-23

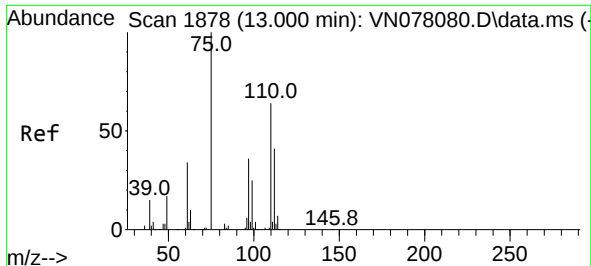
Tgt Ion: 43	Resp:	1784
Ion	Ratio	Lower Upper
43	100	
70	7.4	43.4 65.2#
55	0.0	21.4 32.0#
61	0.0	22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Tgt Ion: 83	Resp:	61
Ion	Ratio	Lower Upper
83	100	
131	0.0	5.0 15.0#
85	0.0	31.9 95.7#

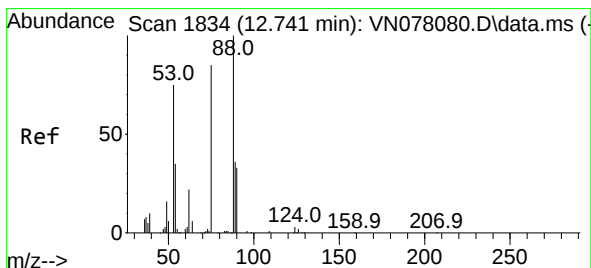
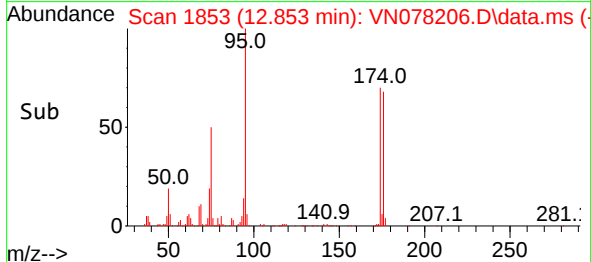
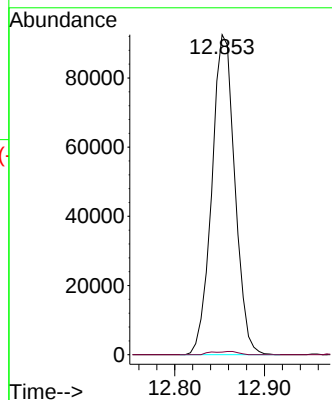
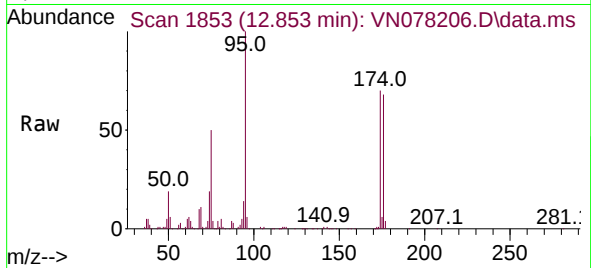




#76
1,2,3-Trichloropropane
Concen: 29.586 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Instrument :
MSVOA_N
ClientSampleId :
TEST-PIT-6-12-23

Tgt Ion: 75 Resp: 164780
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.897 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078206.D
Acq: 14 Jun 2023 15:20

Tgt Ion: 75 Resp: 164780
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

