

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078209.D
 Acq On : 14 Jun 2023 16:32
 Operator : JC\MD
 Sample : PB153393TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153393TB

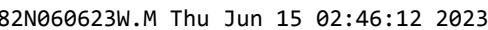
Quant Time: Jun 15 02:46:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	464400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	846272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	799289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	249193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	327852	52.949	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.900%			
35) Dibromofluoromethane	8.171	113	294513	55.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.080%			
50) Toluene-d8	10.571	98	1031281	49.994	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.980%			
62) 4-Bromofluorobenzene	12.853	95	325121	50.699	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.400%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1090	Below Cal	#	82
11) Tert butyl alcohol	5.530	59	921	1.077	ug/l #	72
16) Acetone	4.447	43	26088	14.638	ug/l #	86
18) Methyl Acetate	5.041	43	2299	0.280	ug/l #	53
20) Methylene Chloride	5.289	84	16389	2.783	ug/l #	89
25) 2-Butanone	7.512	43	2495	0.910	ug/l #	73
29) Tetrahydrofuran	7.859	42	1132	0.618	ug/l #	74
31) Cyclohexane	8.230	56	10233	1.288	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	40530	5.281	ug/l #	47
37) Ethyl Acetate	7.577	43	58702	9.790	ug/l	98
38) Carbon Tetrachloride	8.235	117	50883	6.279	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	2103	0.268	ug/l #	73
43) Isopropyl Acetate	8.700	43	285770	24.921	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	3092	0.542	ug/l #	45
48) Methyl methacrylate	9.747	41	228588	47.503	ug/l #	29
49) 1,4-Dioxane	9.694	88	123	1.216	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	9294	1.539	ug/l	93
54) cis-1,3-Dichloropropene	10.365	75	106125	11.818	ug/l #	69
56) Ethyl methacrylate	10.988	69	4002	0.502	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	12707	1.376	ug/l #	42
59) 2-Hexanone	11.176	43	228132	54.260	ug/l #	19
71) Bromoform	12.853	173	2411	0.593	ug/l #	1
74) N-amyl acetate	12.482	43	2490	0.321	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.853	83	173	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	175193	29.739	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	175193	91.368	ug/l #	15

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

Quant Time: Jun 15 02:46:03 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

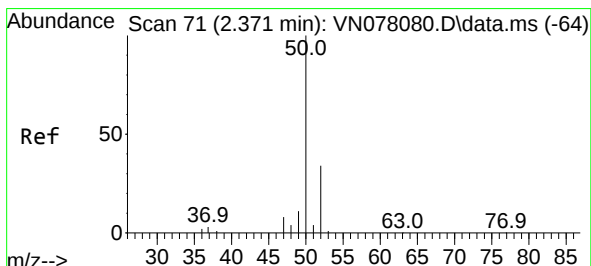
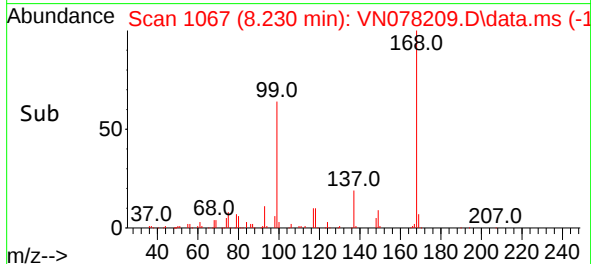
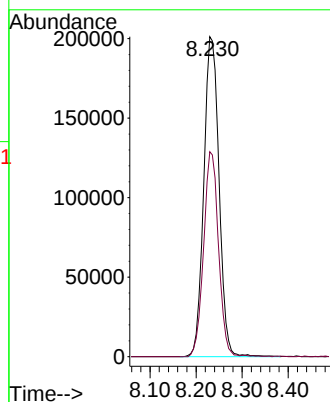
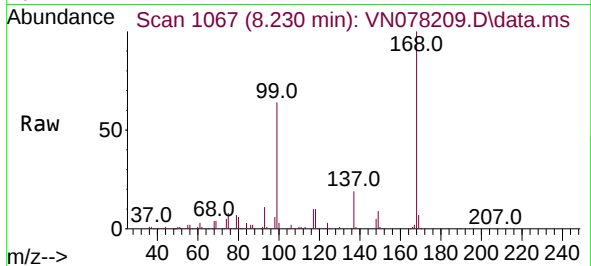




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

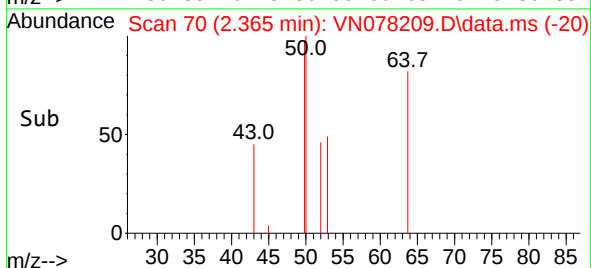
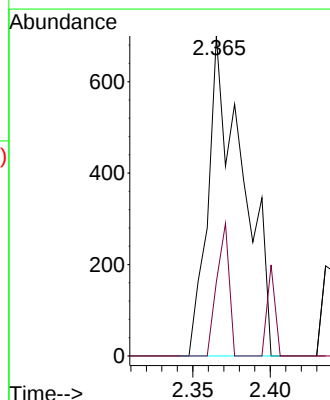
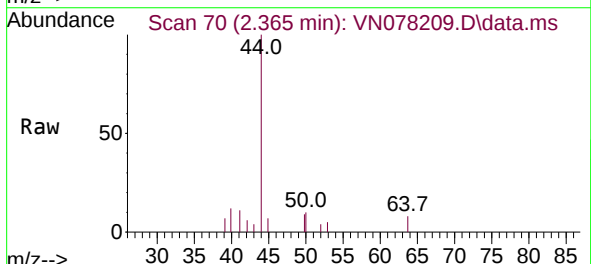
Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

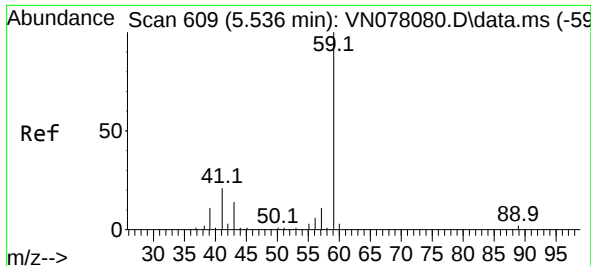
Tgt Ion:168 Resp: 464400
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion: 50 Resp: 1090
Ion Ratio Lower Upper
50 100
52 23.1 26.5 39.7#

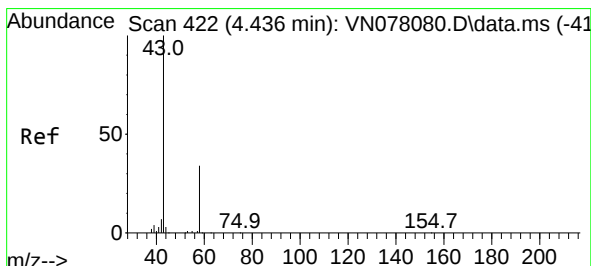
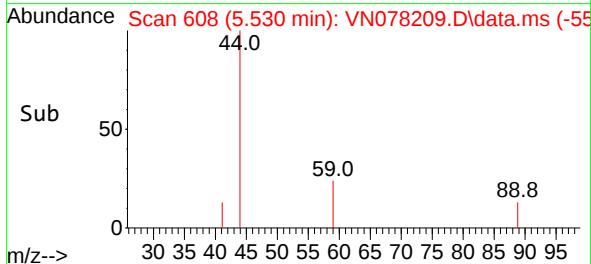
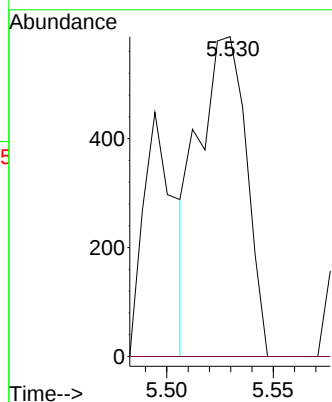
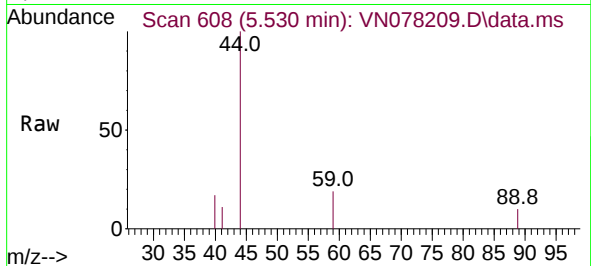




#11
Tert butyl alcohol
Concen: 1.077 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

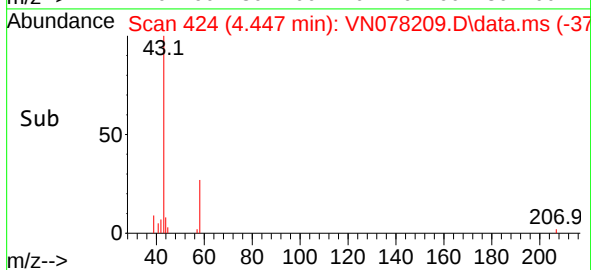
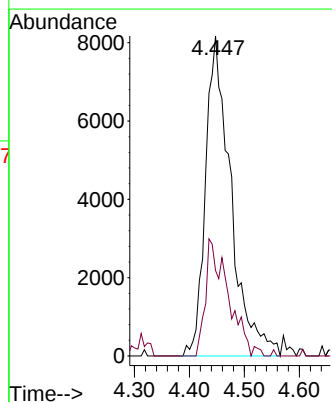
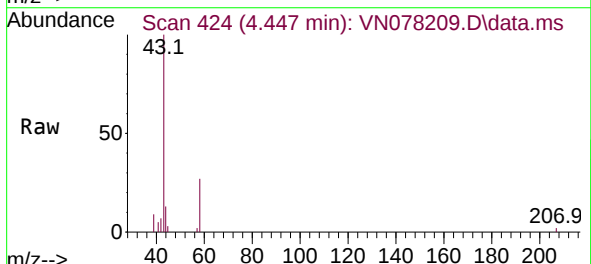
Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

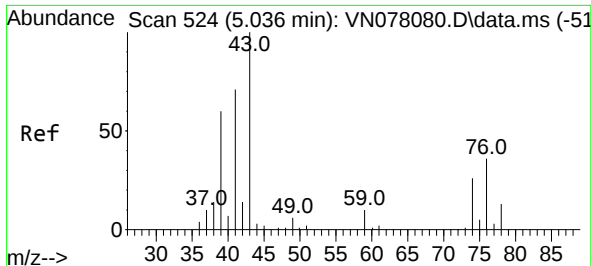
Tgt Ion: 59 Resp: 921
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 14.638 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion: 43 Resp: 26088
Ion Ratio Lower Upper
43 100
58 26.7 28.0 42.0#

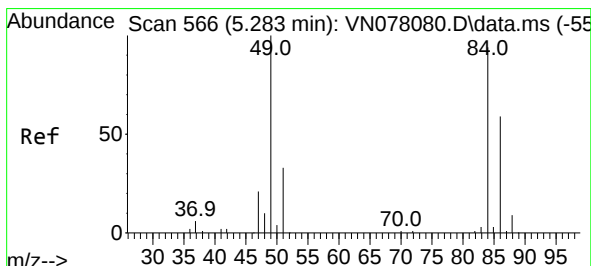
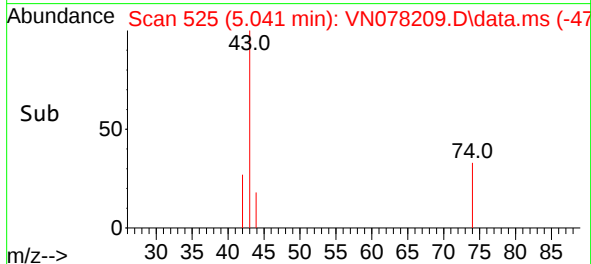
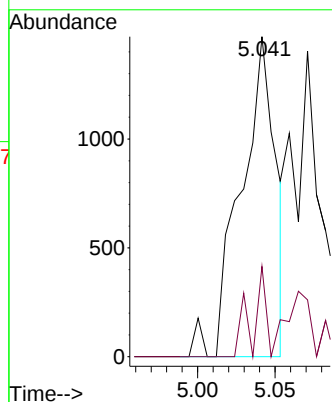
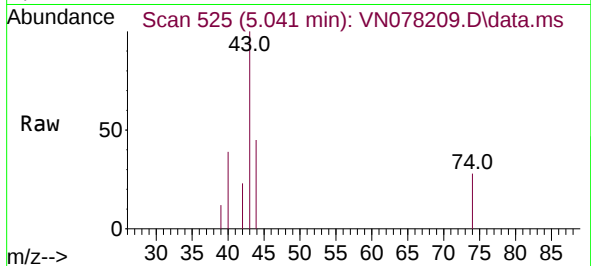




#18
Methyl Acetate
Concen: 0.280 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

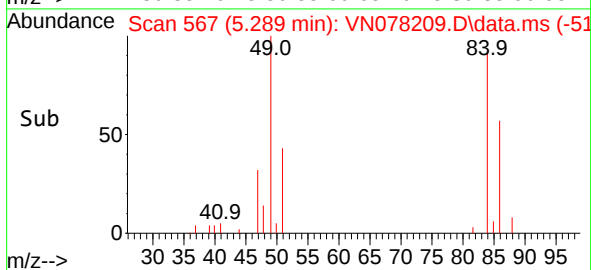
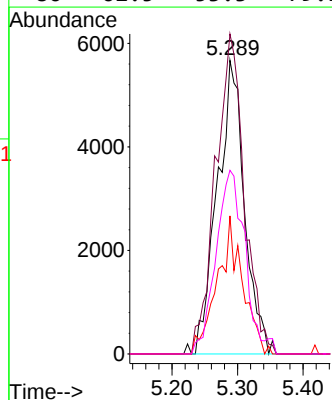
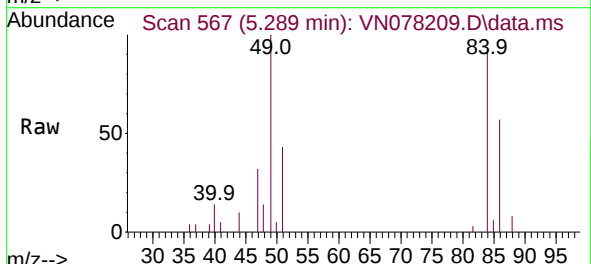
Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

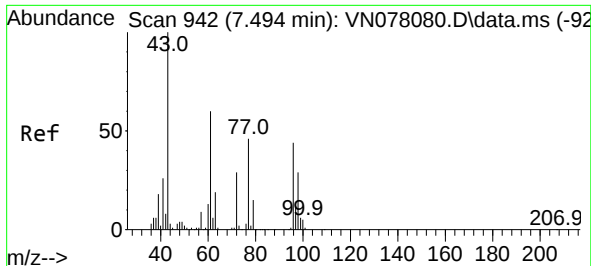
Tgt Ion: 43 Resp: 2299
Ion Ratio Lower Upper
43 100
74 6.4 26.2 39.4#



#20
Methylene Chloride
Concen: 2.783 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion: 84 Resp: 16389
Ion Ratio Lower Upper
84 100
49 109.0 79.7 119.5
51 47.0 25.2 37.8#
86 62.5 53.3 79.9

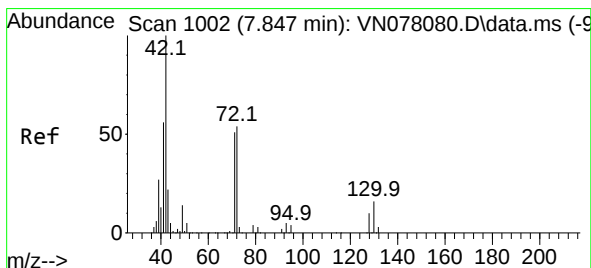
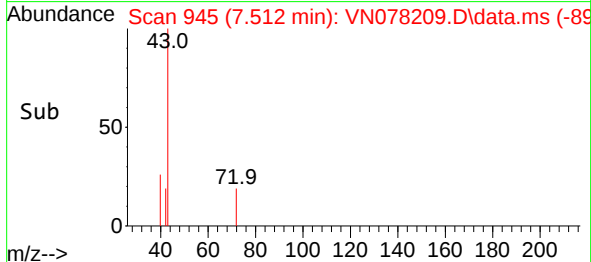
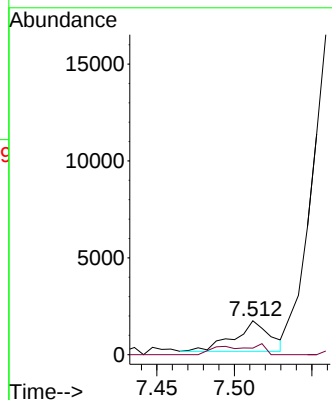
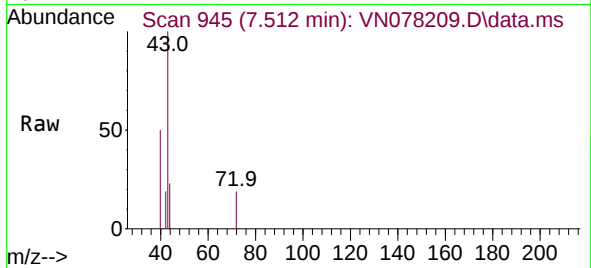




#25
2-Butanone
Concen: 0.910 ug/l
RT: 7.512 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

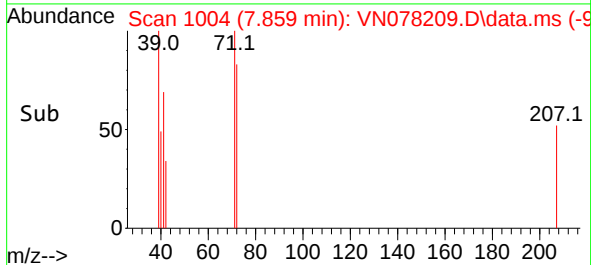
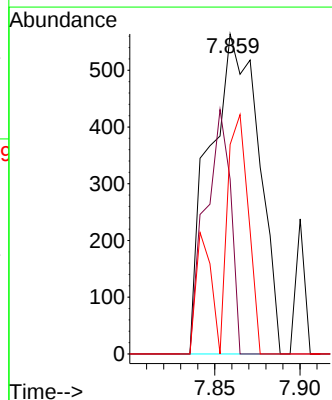
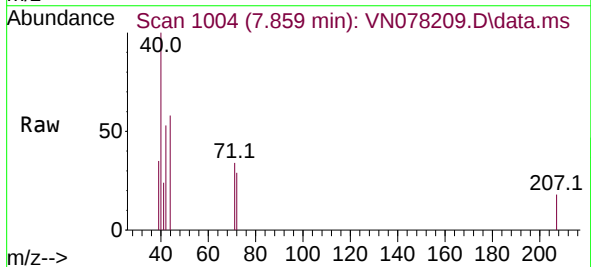
Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

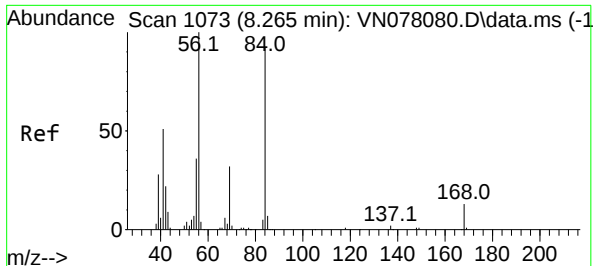
Tgt Ion: 43 Resp: 2495
Ion Ratio Lower Upper
43 100
72 21.5 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.618 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion: 42 Resp: 1132
Ion Ratio Lower Upper
42 100
72 39.0 49.8 74.6#
71 43.0 47.4 71.2#

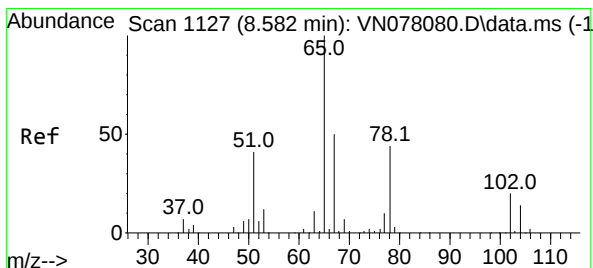
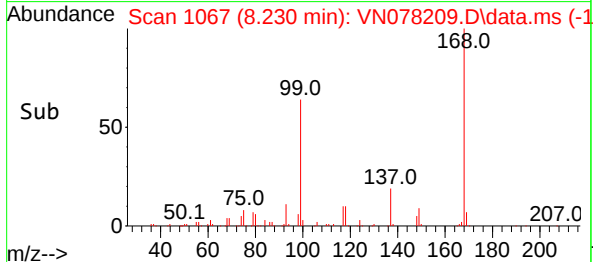
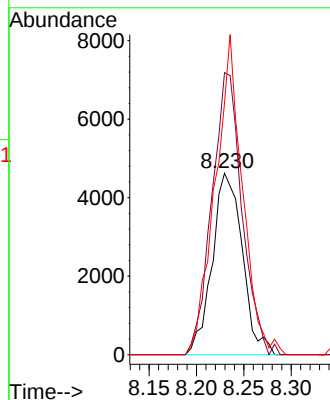
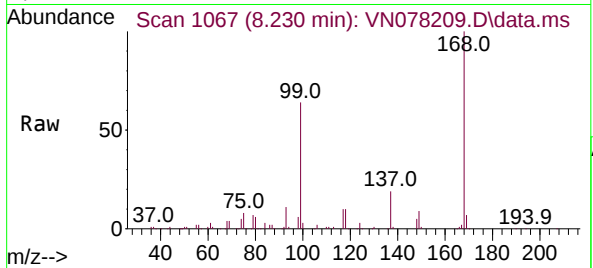




#31
Cyclohexane
Concen: 1.288 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

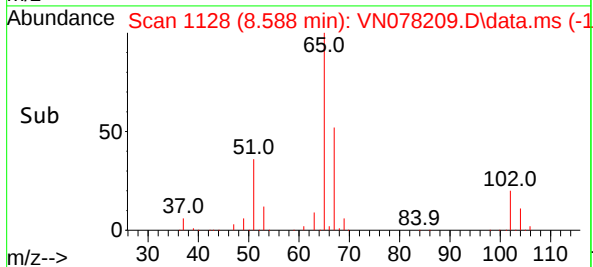
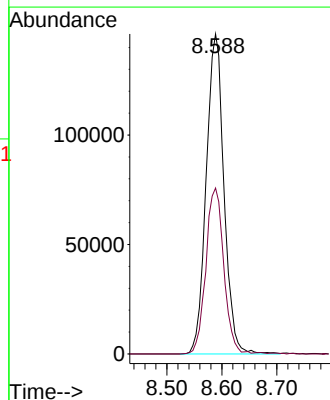
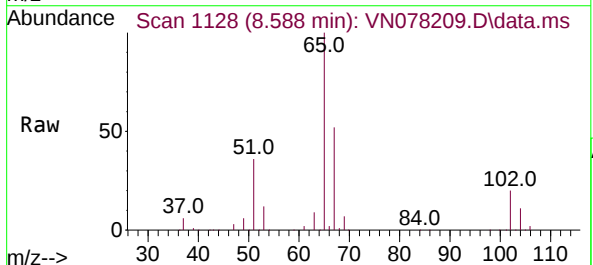
Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

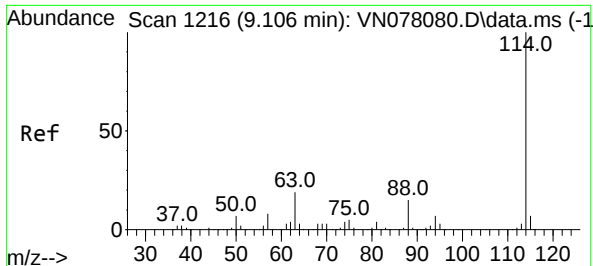
Tgt Ion: 56 Resp: 10233
Ion Ratio Lower Upper
56 100
69 155.5 26.8 40.2#
84 138.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 52.949 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion: 65 Resp: 327852
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078209.D

Acq: 14 Jun 2023 16:32

Instrument :

MSVOA_N

ClientSampleId :

PB153393TB

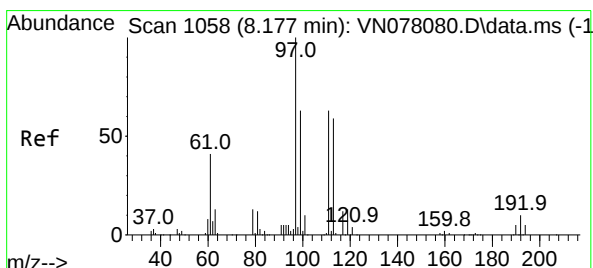
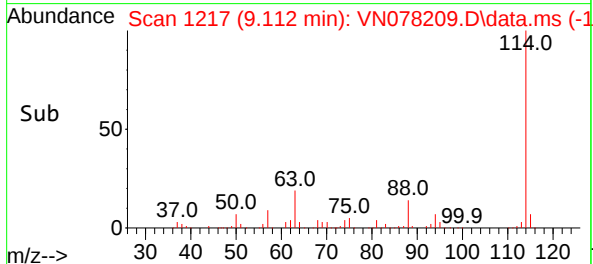
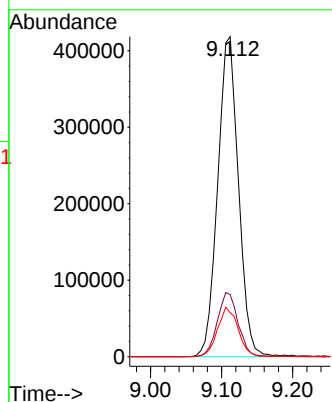
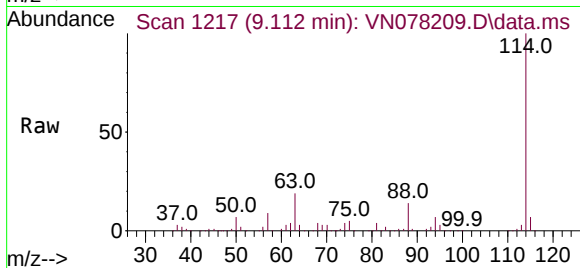
Tgt Ion:114 Resp: 846272

Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 13.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.040 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078209.D

Acq: 14 Jun 2023 16:32

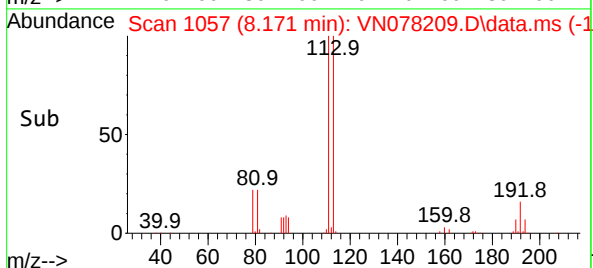
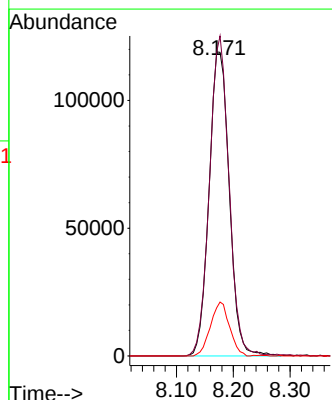
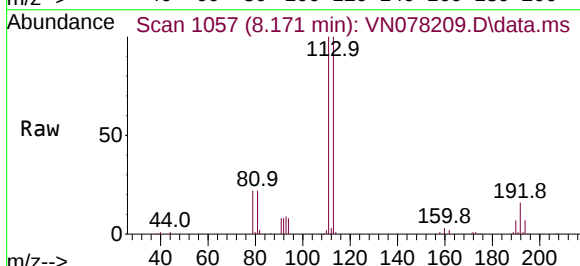
Tgt Ion:113 Resp: 294513

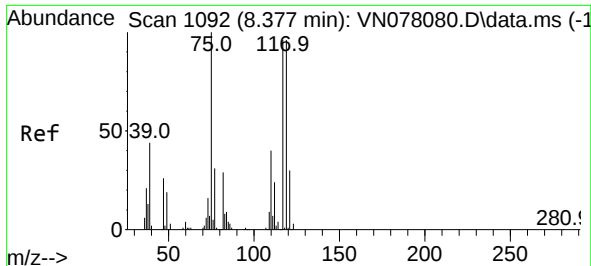
Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 16.6 12.7 19.1

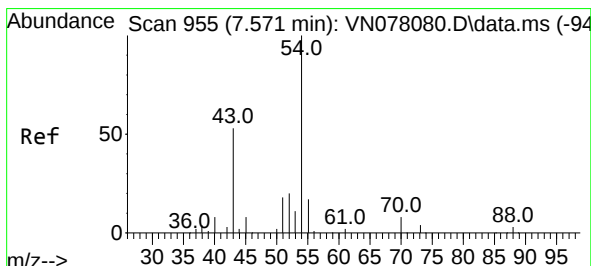
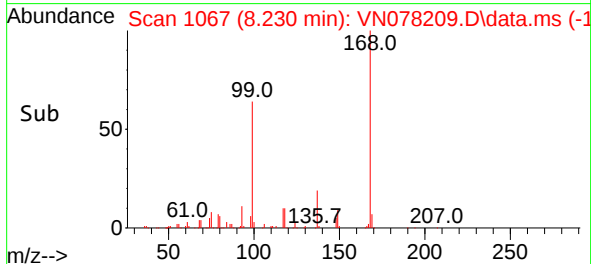
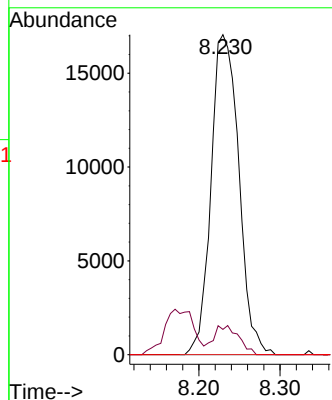
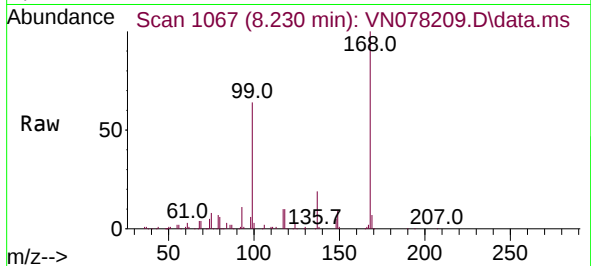




#36
1,1-Dichloropropene
Concen: 5.281 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

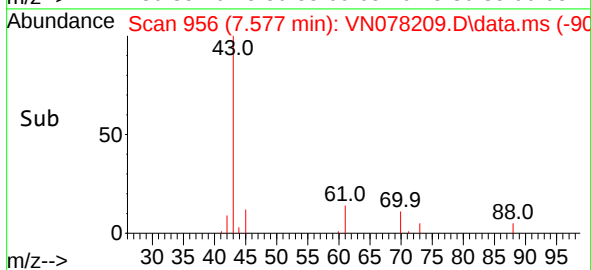
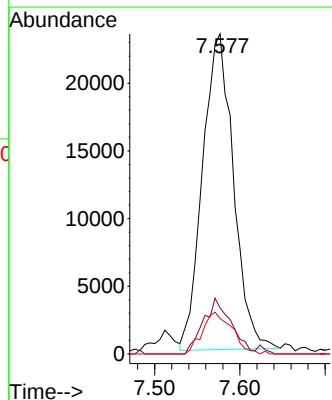
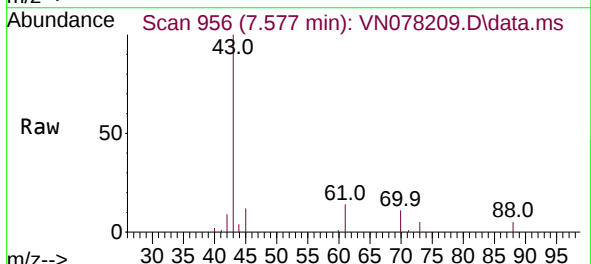
Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

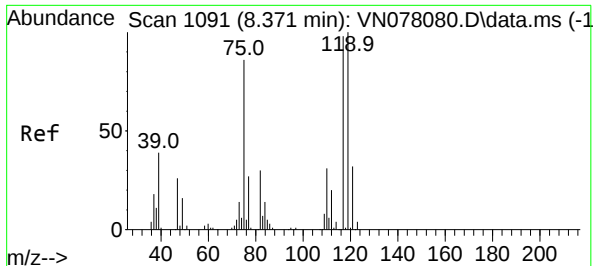
Tgt Ion: 75 Resp: 40530
Ion Ratio Lower Upper
75 100
110 8.2 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 9.790 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

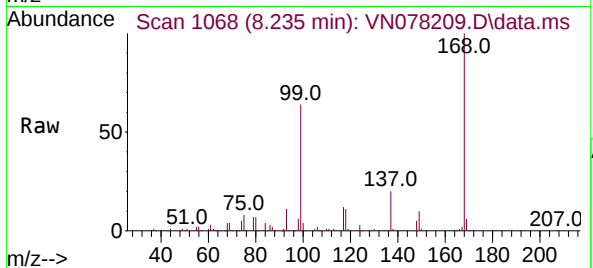
Tgt Ion: 43 Resp: 58702
Ion Ratio Lower Upper
43 100
61 16.0 13.2 19.8
70 12.8 11.3 16.9



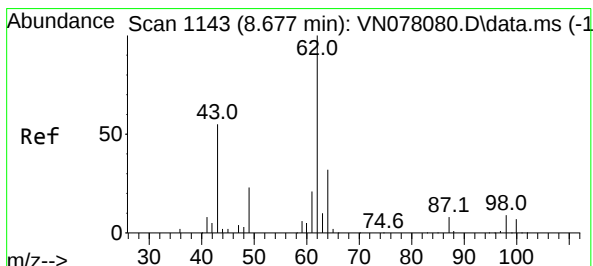
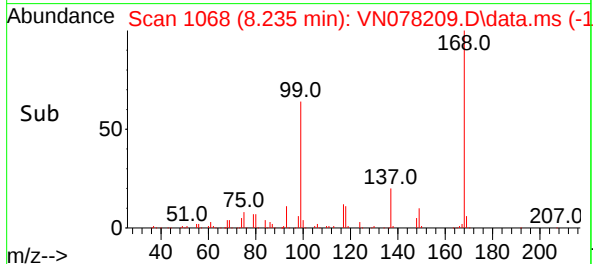
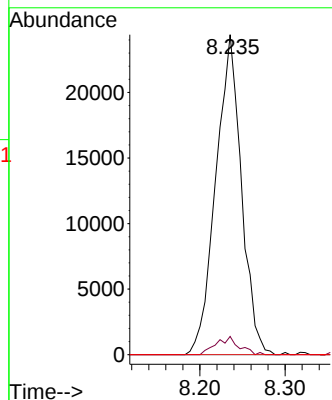


#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 8.235 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

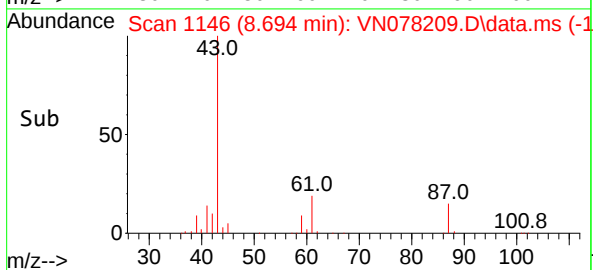
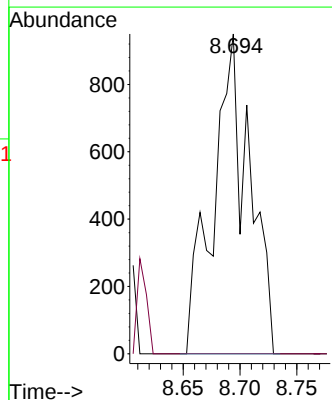
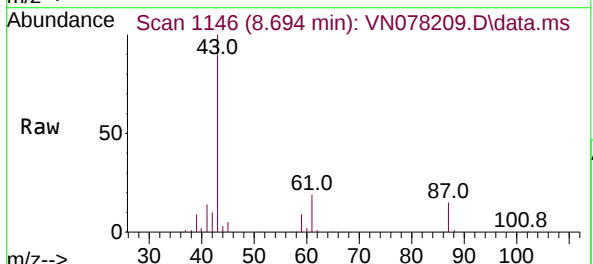


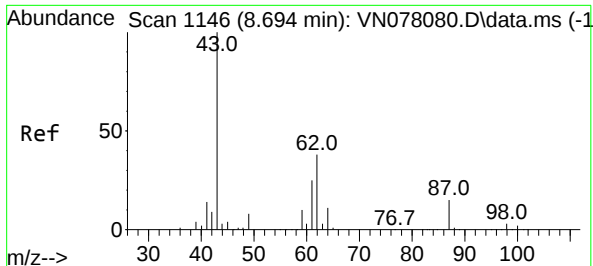
Tgt Ion:117 Resp: 50883
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.268 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.018 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion: 62 Resp: 2103
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

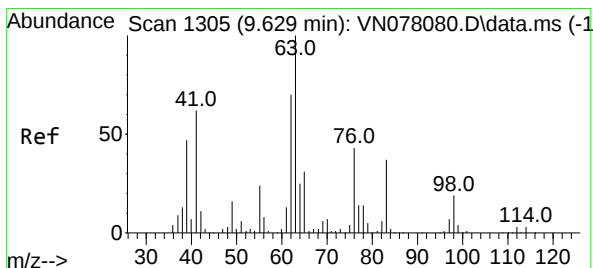
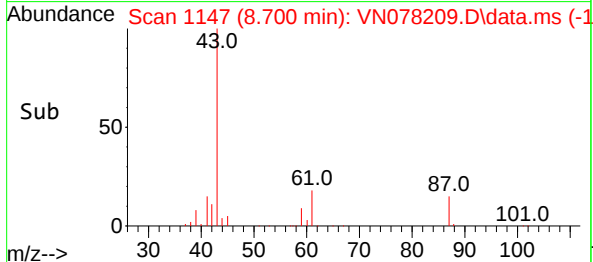
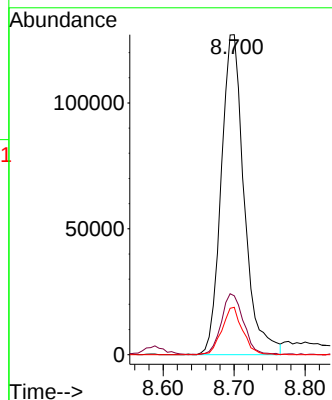
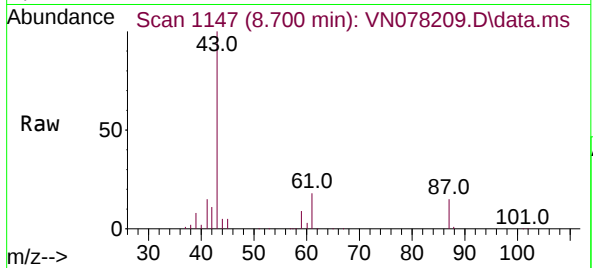




#43
Isopropyl Acetate
Concen: 24.921 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

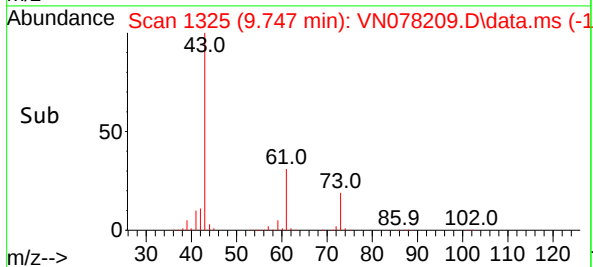
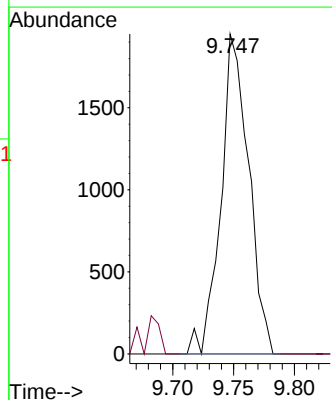
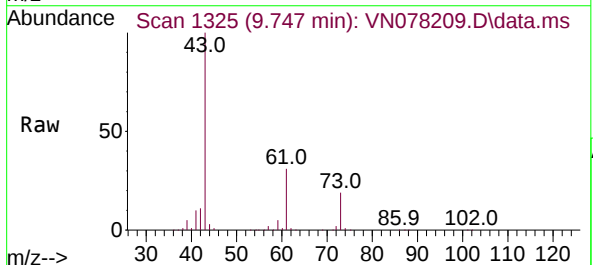
Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

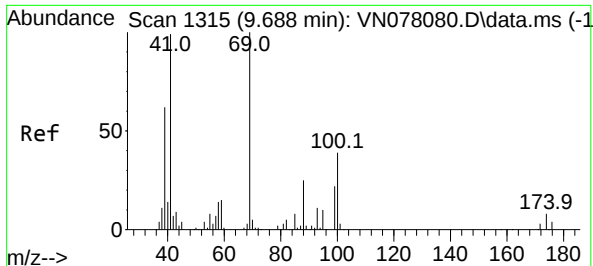
Tgt Ion: 43 Resp: 285770
Ion Ratio Lower Upper
43 100
61 18.3 24.7 37.1#
87 13.3 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.542 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.118 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion: 63 Resp: 3092
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

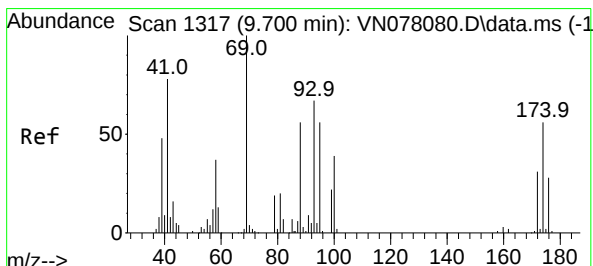
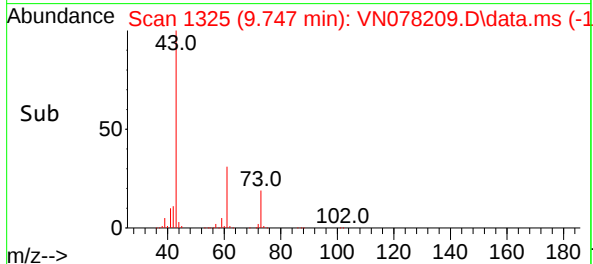
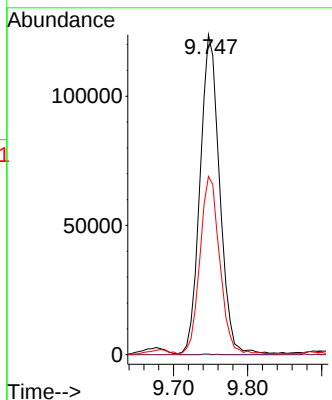
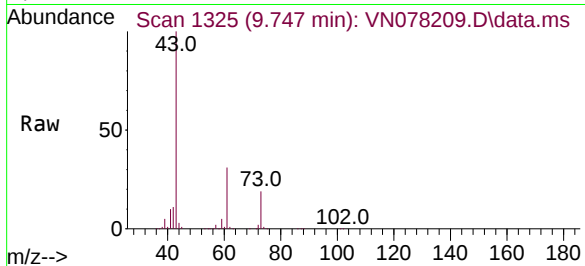




#48
Methyl methacrylate
Concen: 47.503 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

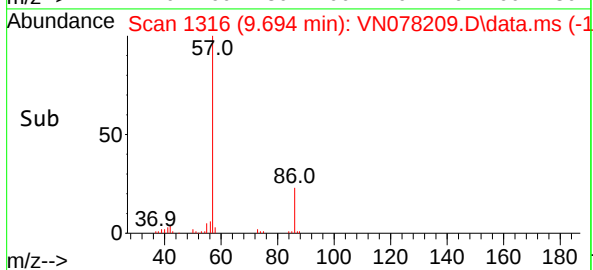
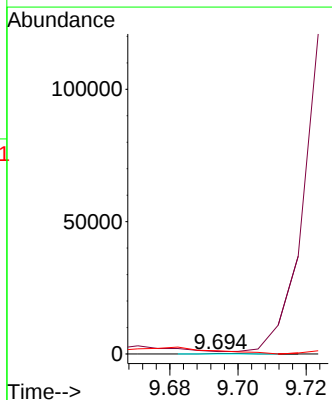
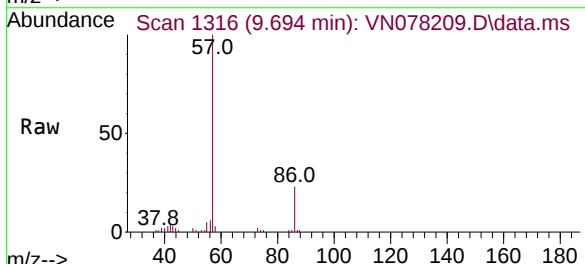
Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

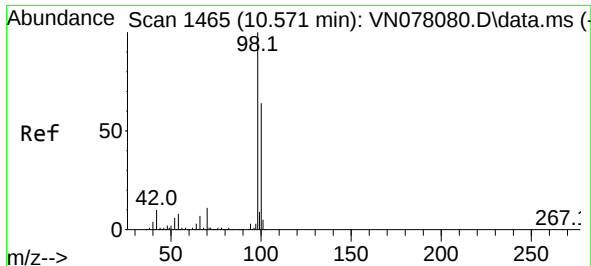
Tgt Ion: 41 Resp: 228588
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 56.7 54.6 81.8



#49
1,4-Dioxane
Concen: 1.216 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 4094.3 47.0 70.4#

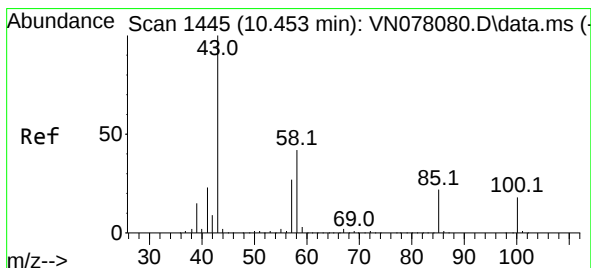
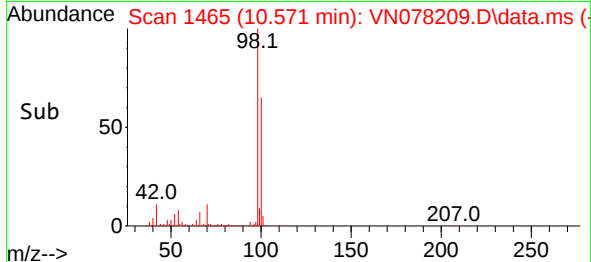
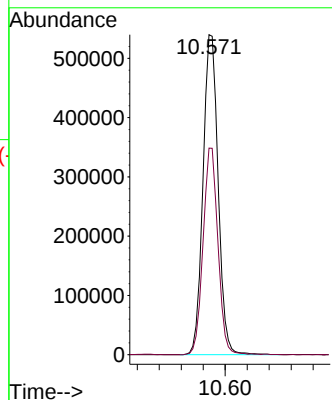
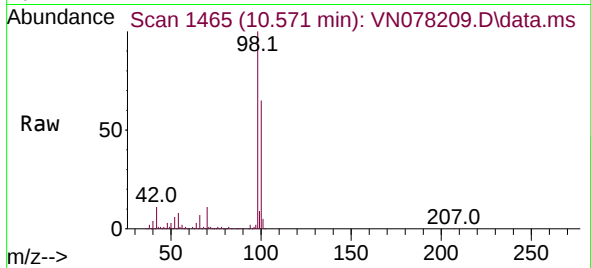




#50
Toluene-d8
Concen: 49.994 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

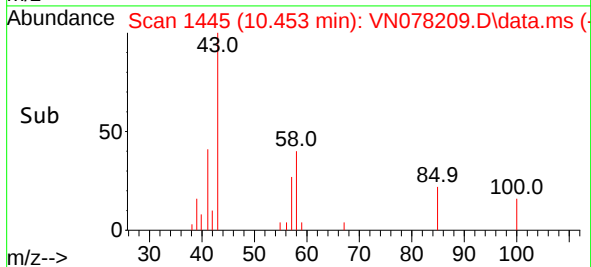
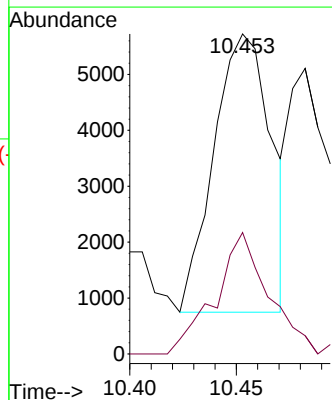
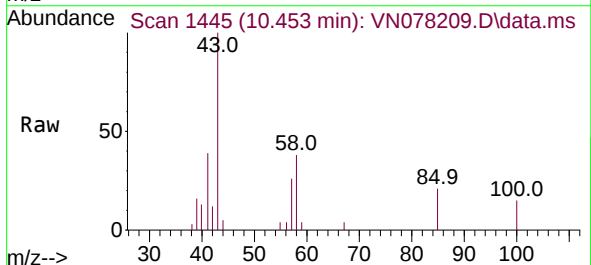
Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

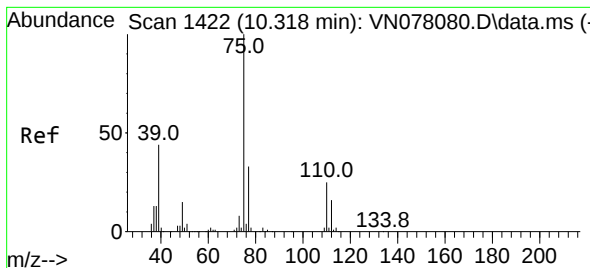
Tgt Ion: 98 Resp: 1031281
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.539 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion: 43 Resp: 9294
Ion Ratio Lower Upper
43 100
58 41.3 36.6 54.8

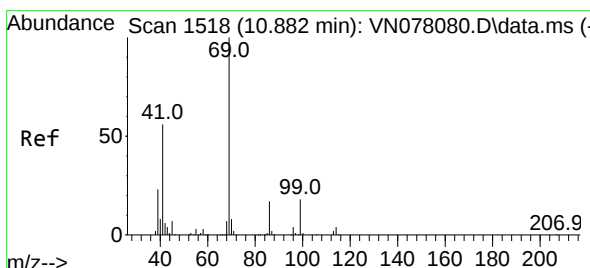
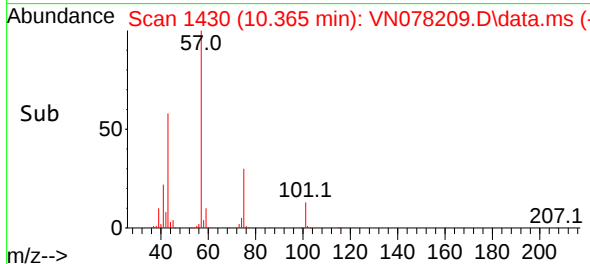
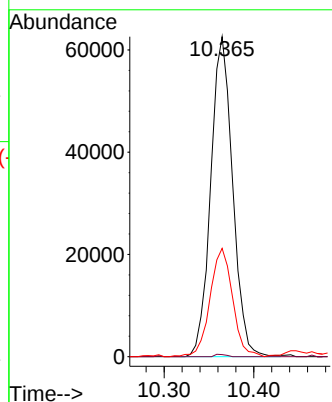
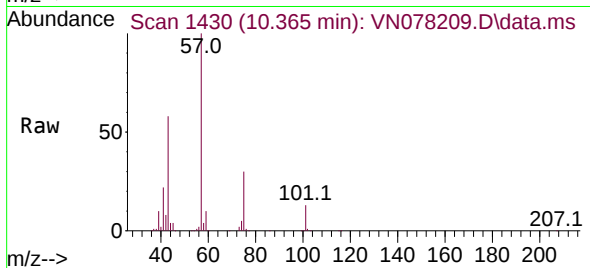




#54
 cis-1,3-Dichloropropene
 Concen: 11.818 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078209.D
 Acq: 14 Jun 2023 16:32

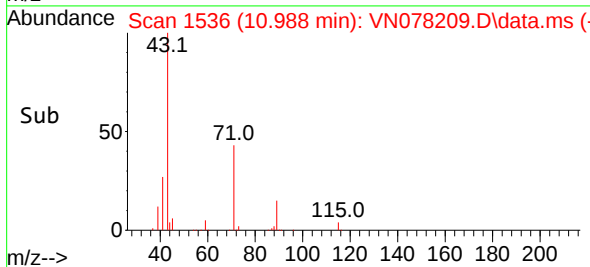
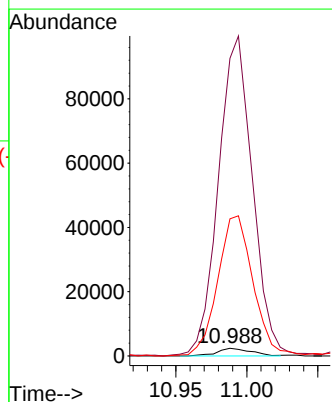
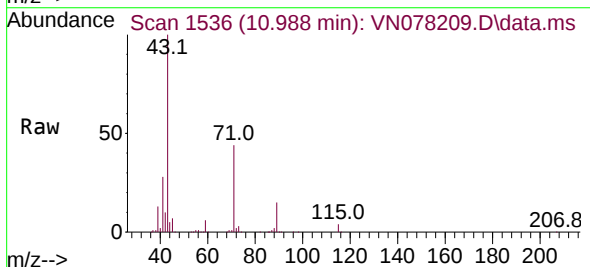
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153393TB

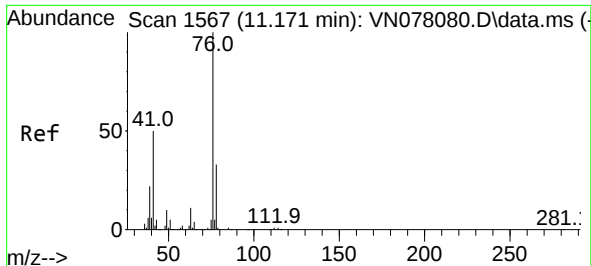
Tgt Ion: 75 Resp: 106125
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 33.6 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.502 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN078209.D
 Acq: 14 Jun 2023 16:32

Tgt Ion: 69 Resp: 4002
 Ion Ratio Lower Upper
 69 100
 41 4164.3 39.6 59.4#
 39 1887.6 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.376 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN078209.D

Acq: 14 Jun 2023 16:32

Instrument :

MSVOA_N

ClientSampleId :

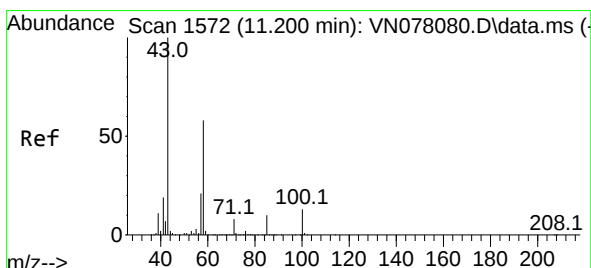
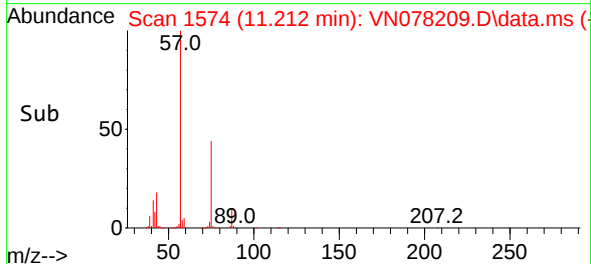
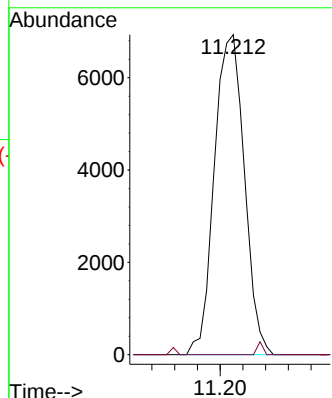
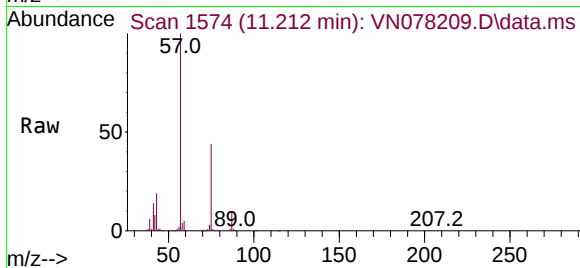
PB153393TB

Tgt Ion: 76 Resp: 12707

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 54.260 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078209.D

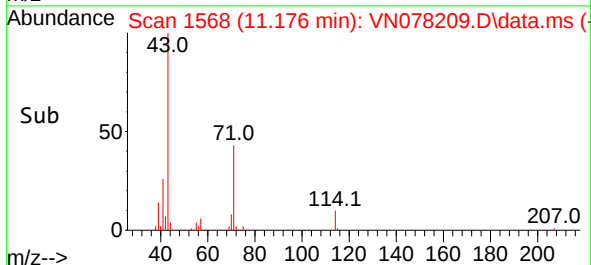
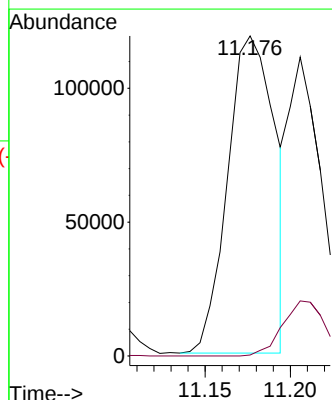
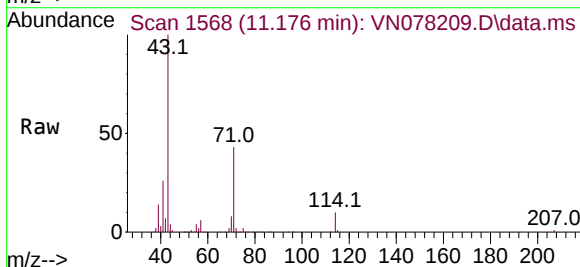
Acq: 14 Jun 2023 16:32

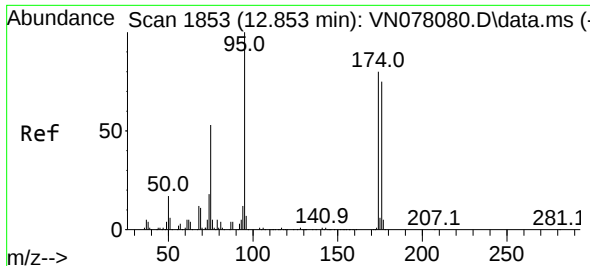
Tgt Ion: 43 Resp: 228132

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

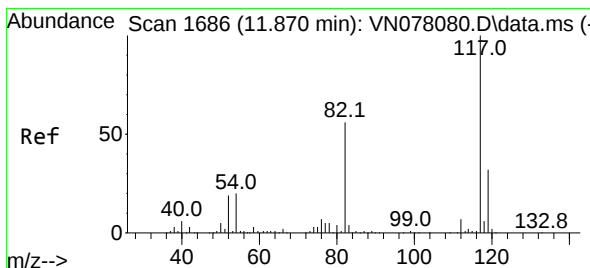
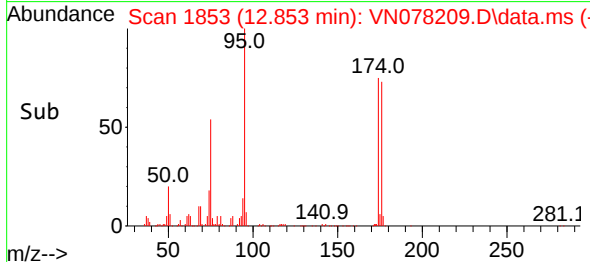
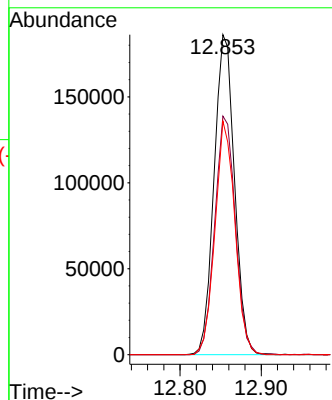
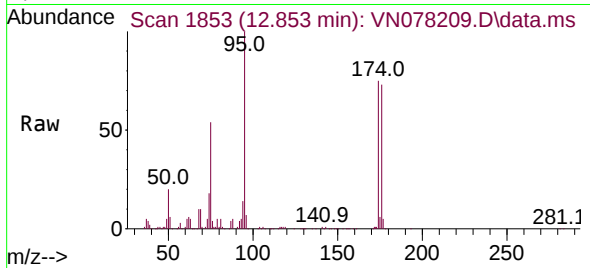




#62
4-Bromofluorobenzene
Concen: 50.699 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

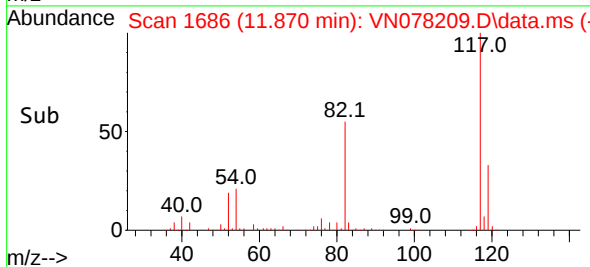
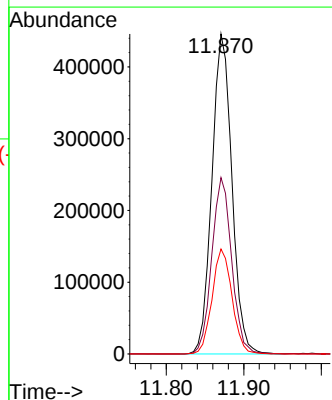
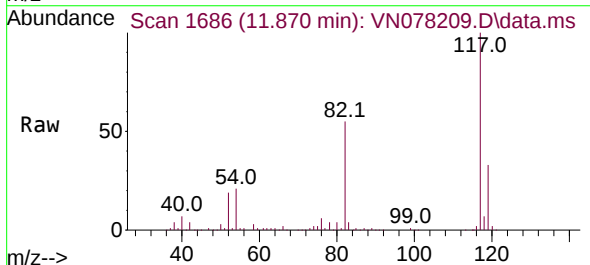
Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

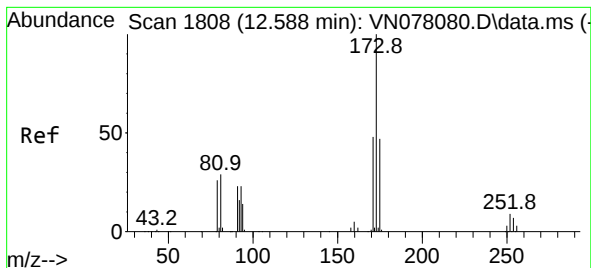
Tgt Ion:	95	Resp:	325121
Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	143.8
176	71.3	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion:	117	Resp:	799289
Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.0	66.0
119	32.8	25.6	38.4





#71

Bromoform

Concen: 0.593 ug/l

RT: 12.853 min Scan# 1808

Delta R.T. 0.265 min

Lab File: VN078209.D

Acq: 14 Jun 2023 16:32

Instrument :

MSVOA_N

ClientSampleId :

PB153393TB

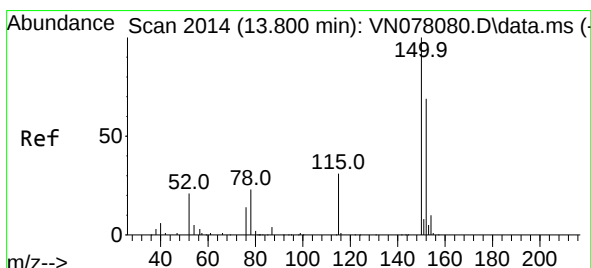
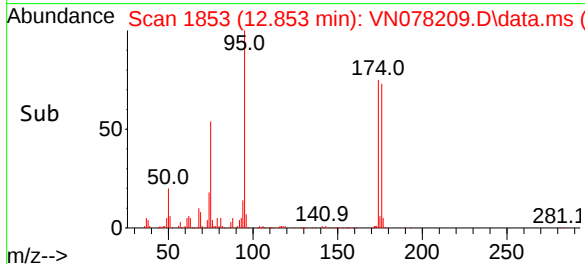
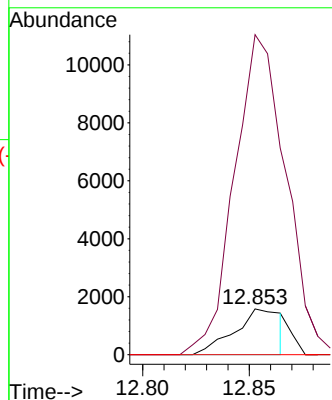
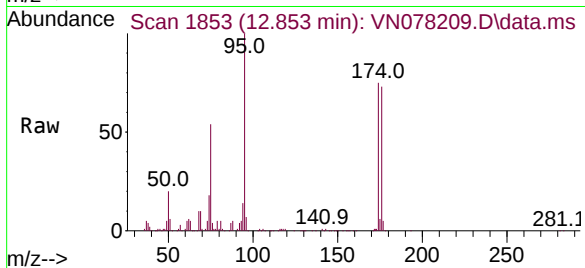
Tgt Ion:173 Resp: 2411

Ion Ratio Lower Upper

173 100

175 652.1 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078209.D

Acq: 14 Jun 2023 16:32

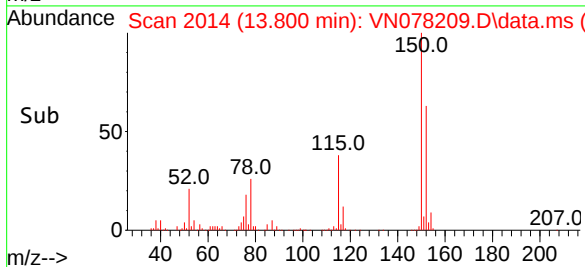
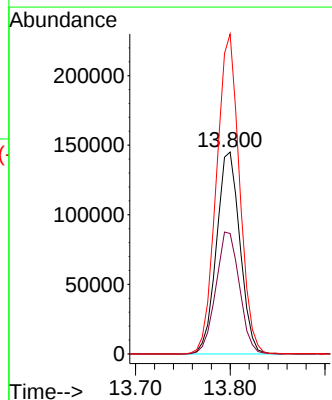
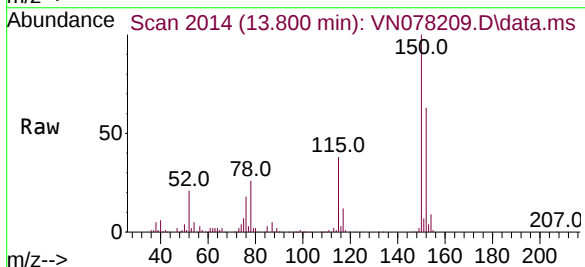
Tgt Ion:152 Resp: 249193

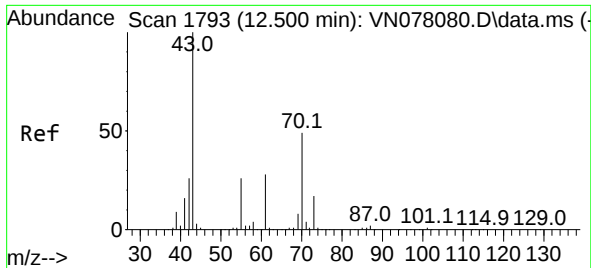
Ion Ratio Lower Upper

152 100

115 61.0 32.3 96.8

150 156.0 0.0 355.8

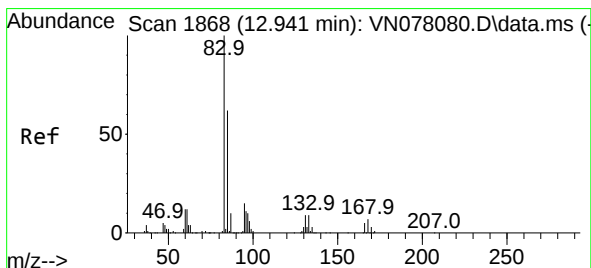
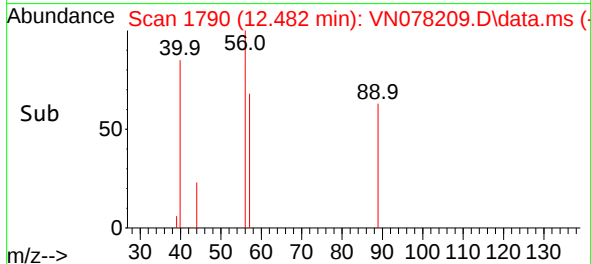
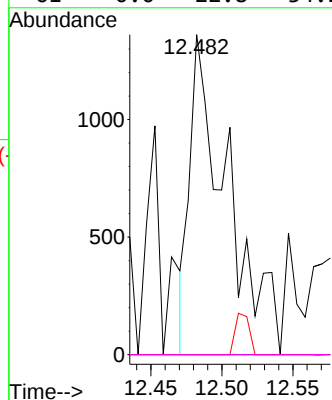
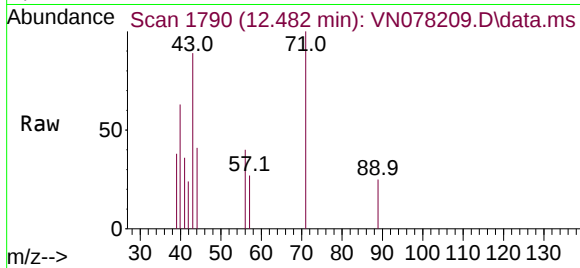




#74
N-amy1 acetate
Concen: 0.321 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

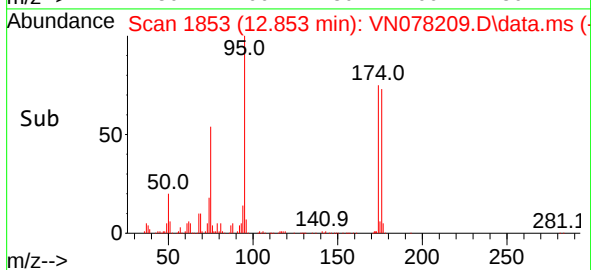
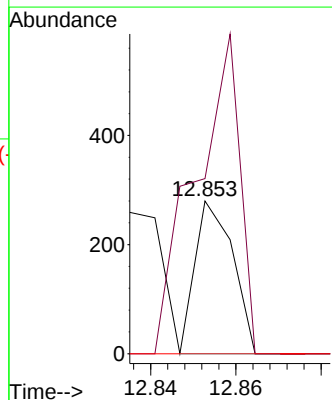
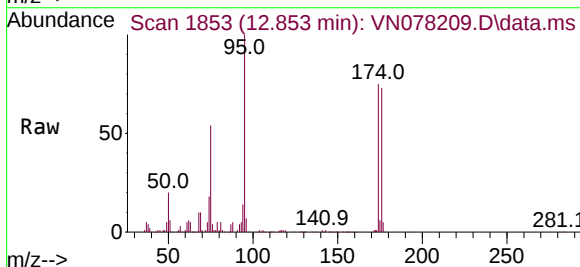
Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

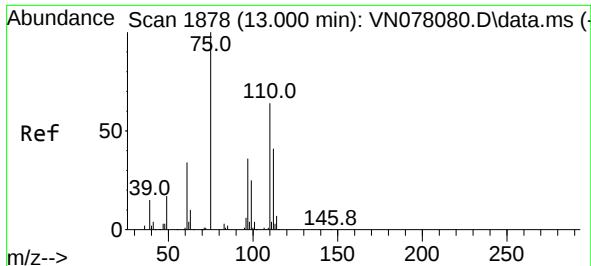
Tgt Ion:	43	Resp:	2490
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1853
Delta R.T. -0.088 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion:	83	Resp:	173
Ion	Ratio	Lower	Upper
83	100		
131	247.4	5.0	15.0#
85	0.0	31.9	95.7#

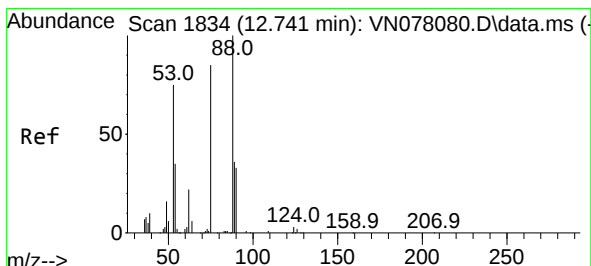
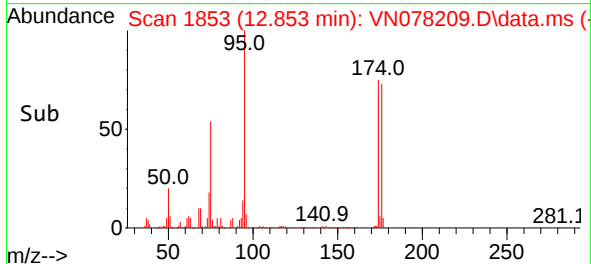
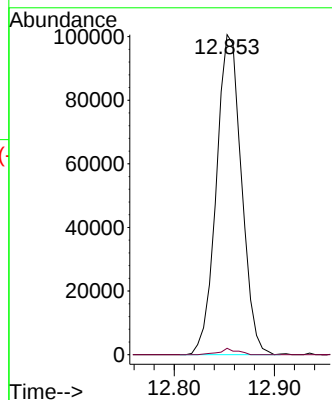
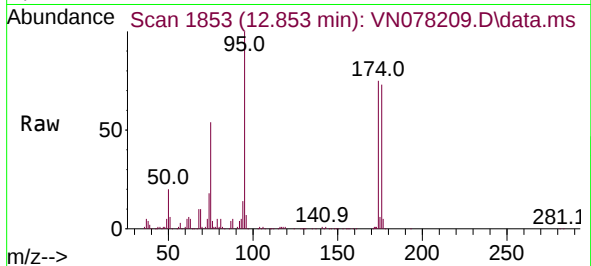




#76
1,2,3-Trichloropropane
Concen: 29.739 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Instrument :
MSVOA_N
ClientSampleId :
PB153393TB

Tgt Ion: 75 Resp: 175193
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.368 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078209.D
Acq: 14 Jun 2023 16:32

Tgt Ion: 75 Resp: 175193
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

