

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103122\
 Data File : VN075086.D
 Acq On : 31 Oct 2022 14:59
 Operator : JC\MD
 Sample : PB148643TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148643TB

Quant Time: Nov 01 06:17:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

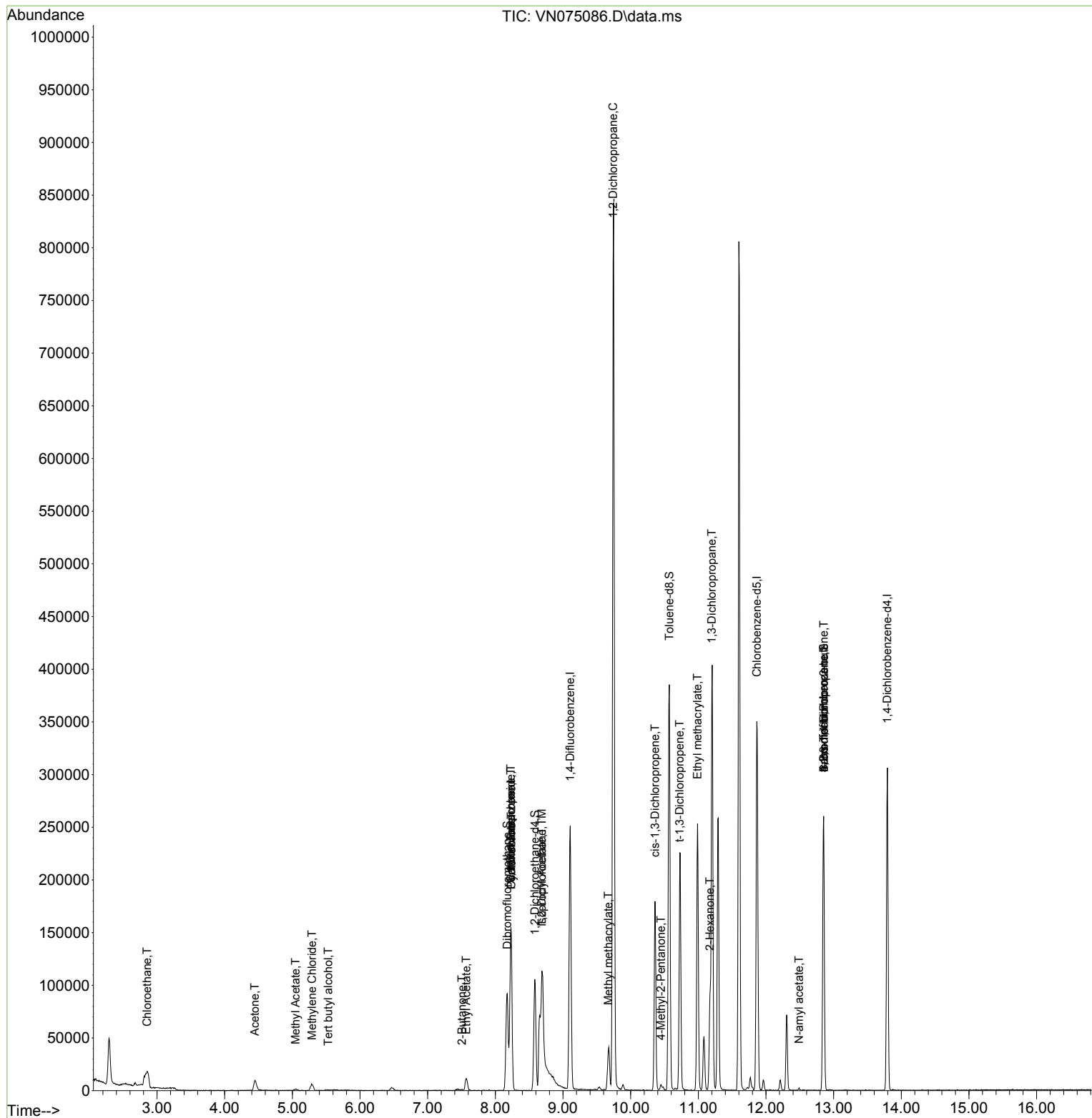
Internal Standards						
1) Pentafluorobenzene	8.236	168	108352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	213115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	204770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	77630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	86587	59.310	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.620%			
35) Dibromofluoromethane	8.177	113	67041	53.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.180%			
50) Toluene-d8	10.571	98	269994	55.624	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.240%			
62) 4-Bromofluorobenzene	12.853	95	88605	51.965	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.940%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.930	94	54	Below Cal	#	5
6) Chloroethane	2.854	64	16073	10.494	ug/l #	53
11) Tert butyl alcohol	5.530	59	204	0.599	ug/l #	72
16) Acetone	4.448	43	18688	30.231	ug/l	95
18) Methyl Acetate	5.048	43	2402	1.190	ug/l #	75
20) Methylene Chloride	5.289	84	5100	3.700	ug/l #	83
25) 2-Butanone	7.506	43	1224	1.259	ug/l	100
31) Cyclohexane	8.236	56	2982	1.373	ug/l #	44
36) 1,1-Dichloropropene	8.230	75	10295	5.315	ug/l #	50
37) Ethyl Acetate	7.571	43	17331	8.159	ug/l	99
38) Carbon Tetrachloride	8.230	117	12151	5.703	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	873	0.405	ug/l #	75
43) Isopropyl Acetate	8.688	43	231246	70.184	ug/l #	68
45) 1,2-Dichloropropane	9.741	63	1042	0.738	ug/l #	42
48) Methyl methacrylate	9.671	41	2255	1.492	ug/l #	36
51) 4-Methyl-2-Pentanone	10.447	43	6628	3.117	ug/l #	63
53) t-1,3-Dichloropropene	10.724	75	499	0.222	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	33114	13.891	ug/l #	67
56) Ethyl methacrylate	10.988	69	769	0.321	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4552	1.739	ug/l #	42
59) 2-Hexanone	11.171	43	67664	41.931	ug/l #	21
71) Bromoform	12.853	173	784	0.646	ug/l #	1
74) N-amyl acetate	12.488	43	872	0.378	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	48789	29.600	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	48789	75.982	ug/l #	10

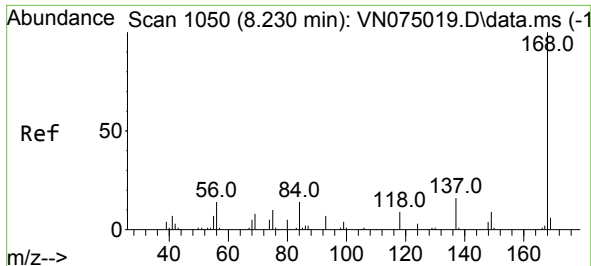
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103122\
Data File : VN075086.D
Acq On : 31 Oct 2022 14:59
Operator : JC\MD
Sample : PB148643TB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

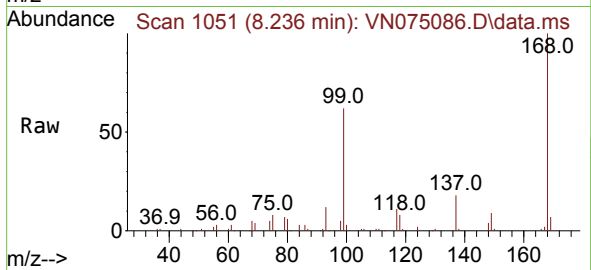
Quant Time: Nov 01 06:17:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



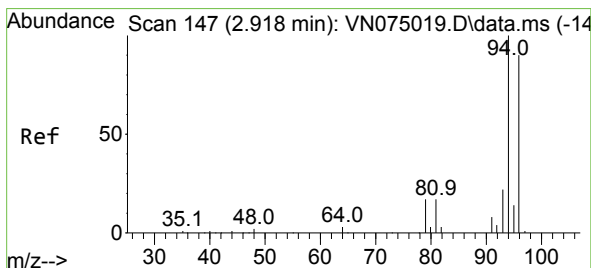
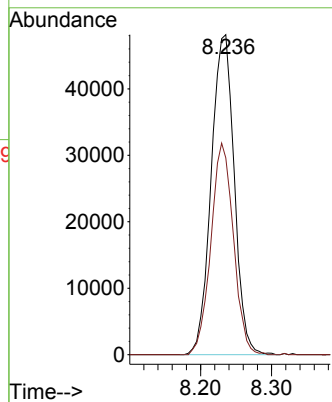
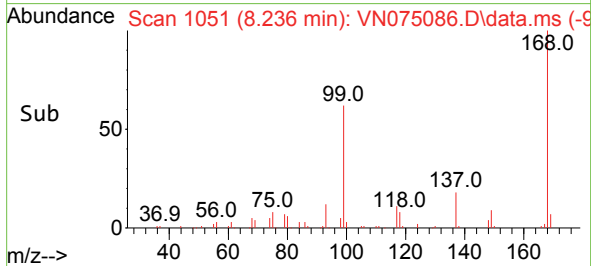


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

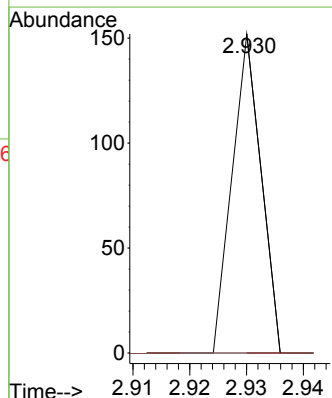
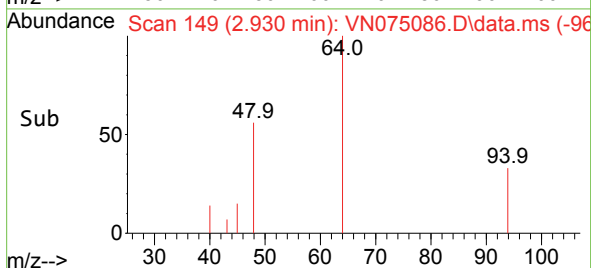
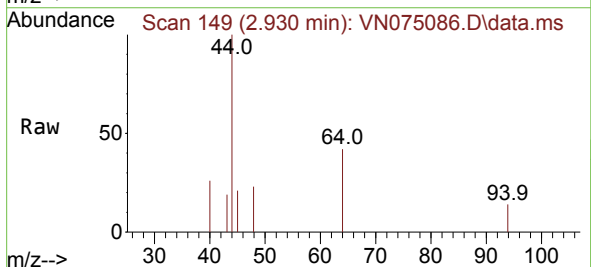


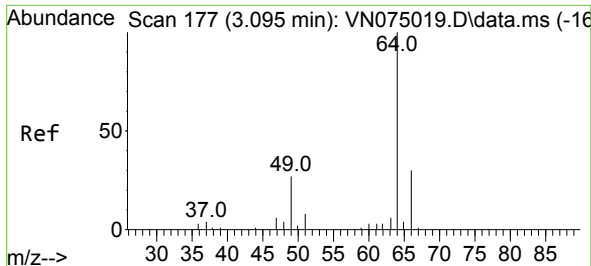
Tgt Ion:168 Resp: 108352
Ion Ratio Lower Upper
168 100
99 61.5 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.930 min Scan# 149
Delta R.T. 0.012 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Tgt Ion: 94 Resp: 54
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

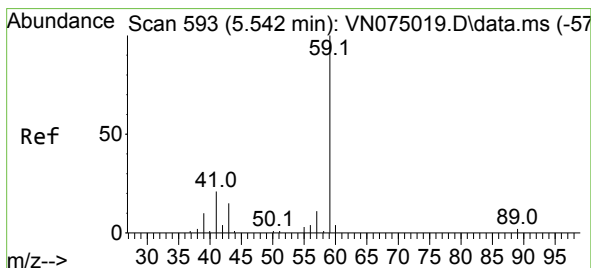
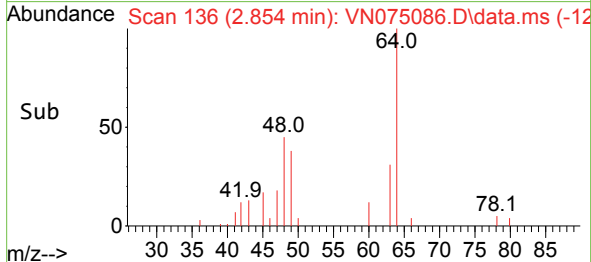
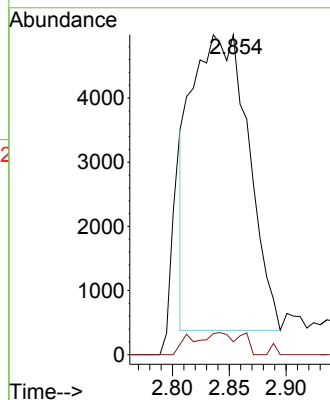
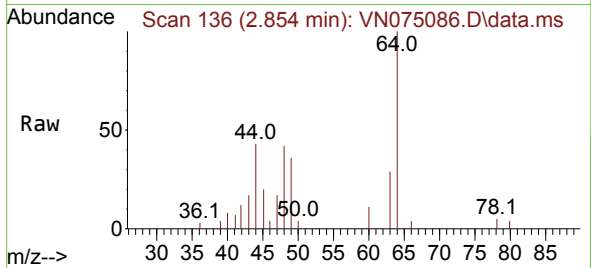




#6
Chloroethane
Concen: 10.494 ug/l
RT: 2.854 min Scan# 11
Delta R.T. -0.241 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

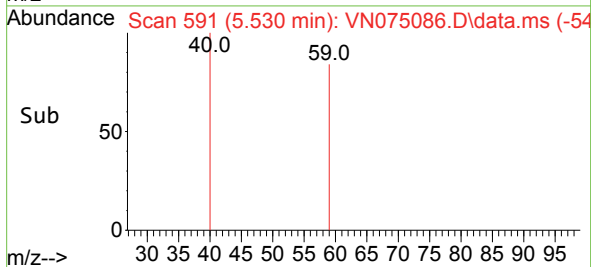
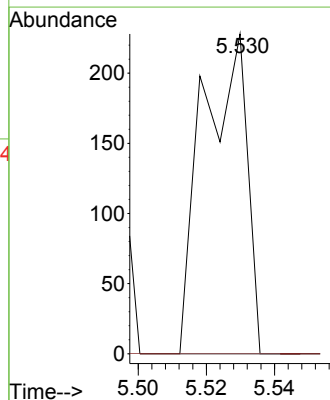
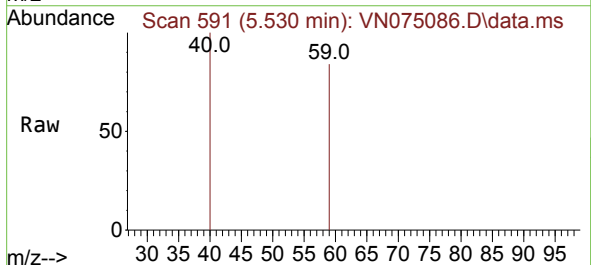
Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

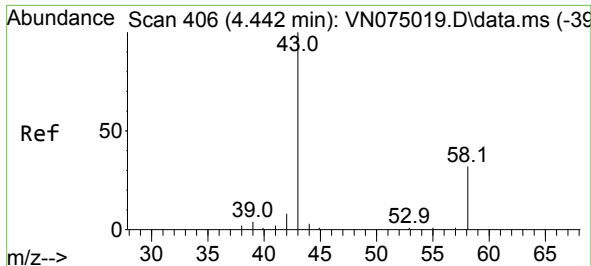
Tgt Ion: 64 Resp: 16073
Ion Ratio Lower Upper
64 100
66 4.3 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.599 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

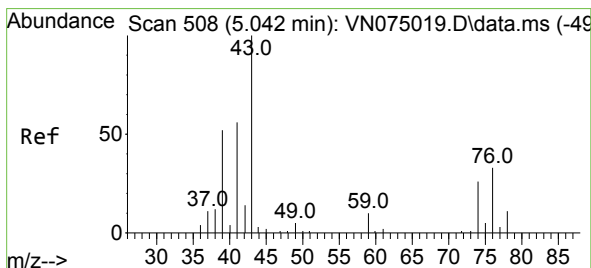
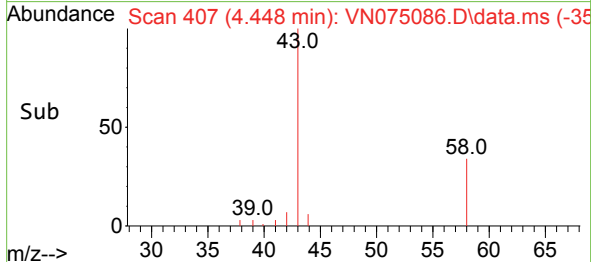
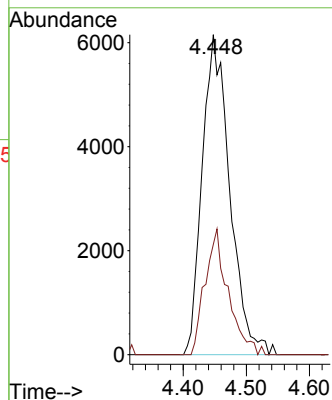
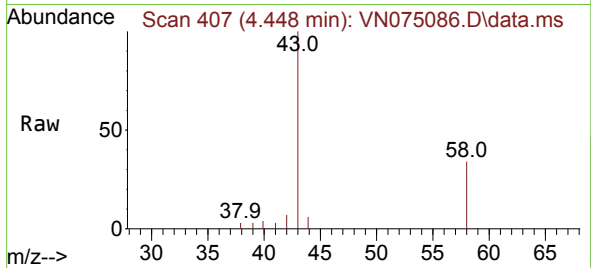




#16
Acetone
Concen: 30.231 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

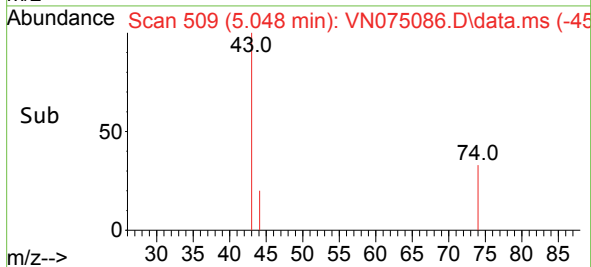
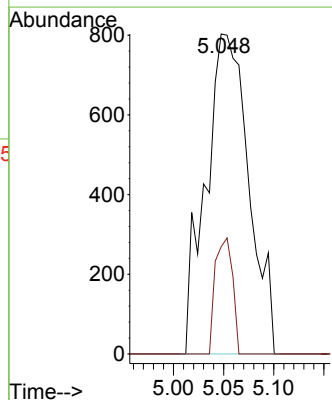
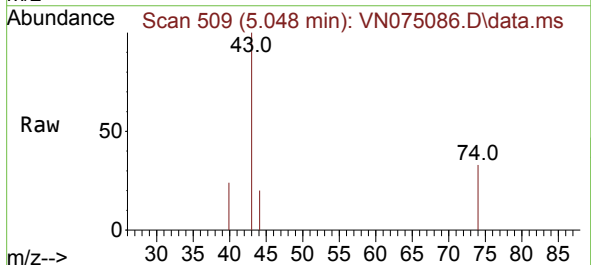
Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

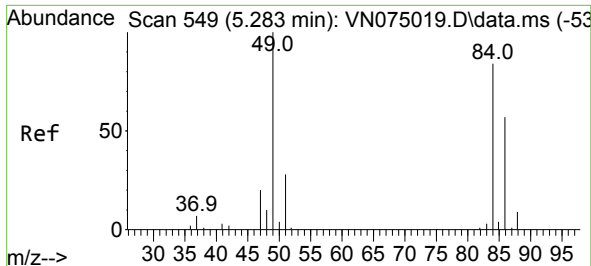
Tgt Ion: 43 Resp: 18688
Ion Ratio Lower Upper
43 100
58 34.4 25.5 38.3



#18
Methyl Acetate
Concen: 1.190 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.006 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

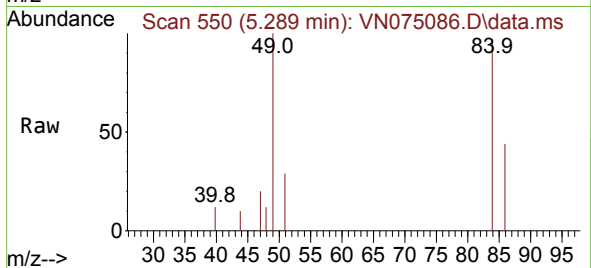
Tgt Ion: 43 Resp: 2402
Ion Ratio Lower Upper
43 100
74 14.5 22.0 33.0#



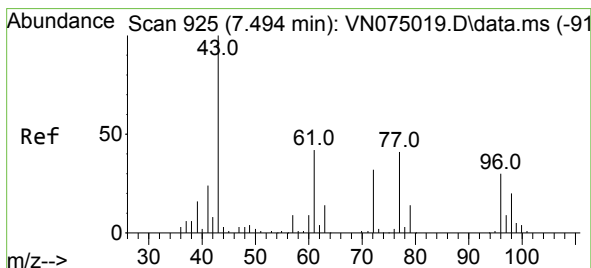
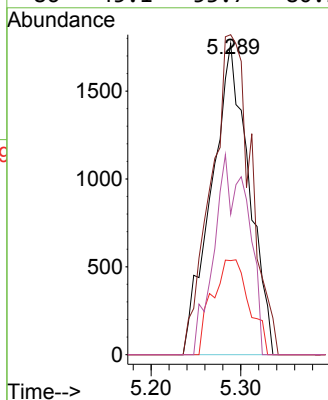
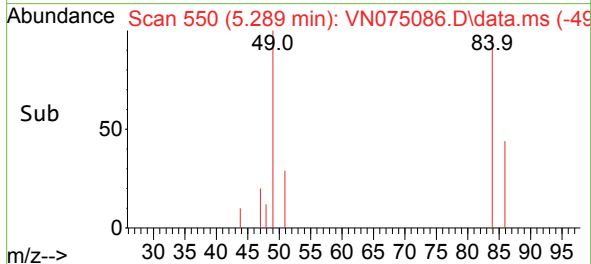


#20
Methylene Chloride
Concen: 3.700 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

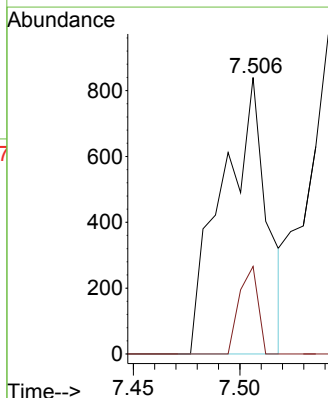
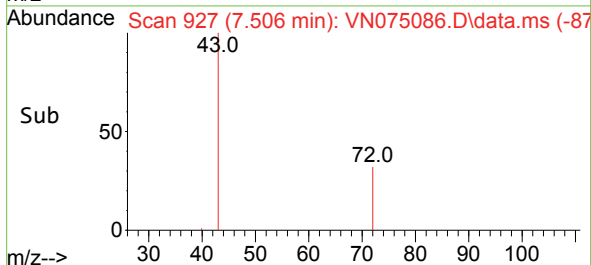
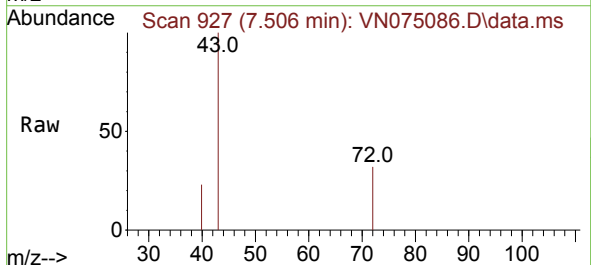


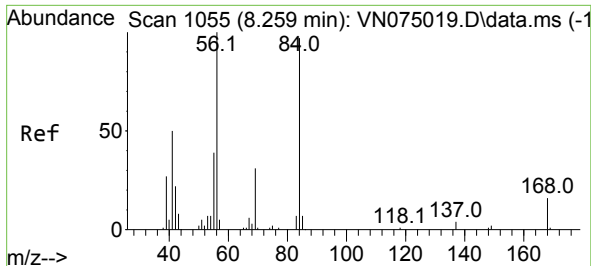
Tgt Ion: 84 Resp: 5100
Ion Ratio Lower Upper
84 100
49 102.8 94.9 142.3
51 30.2 26.8 40.2
86 45.1 53.7 80.5#



#25
2-Butanone
Concen: 1.259 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.012 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

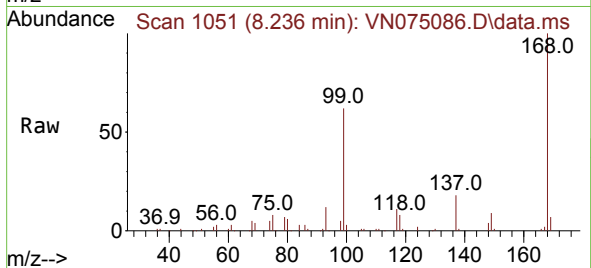
Tgt Ion: 43 Resp: 1224
Ion Ratio Lower Upper
43 100
72 31.7 25.5 38.3



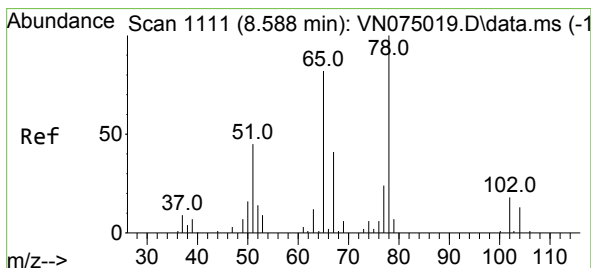
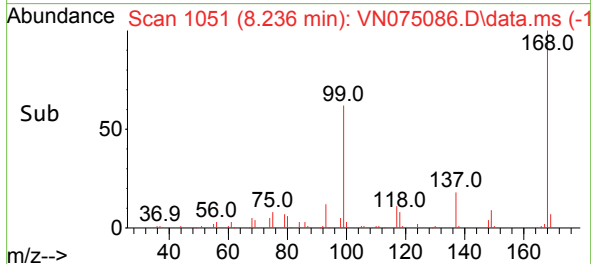
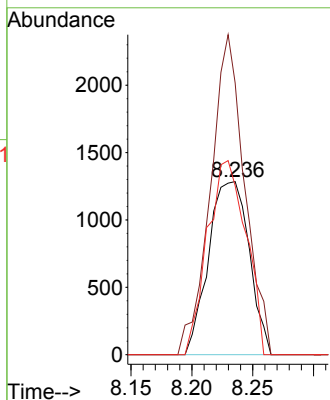


#31
Cyclohexane
Concen: 1.373 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

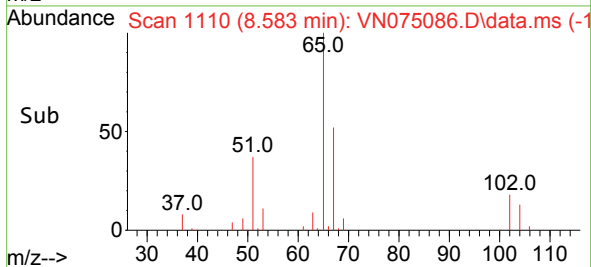
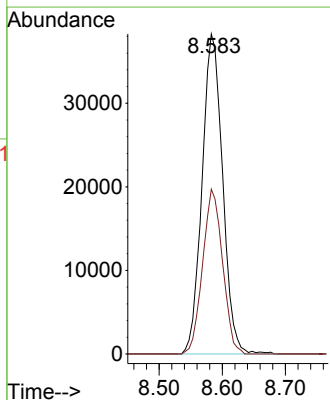
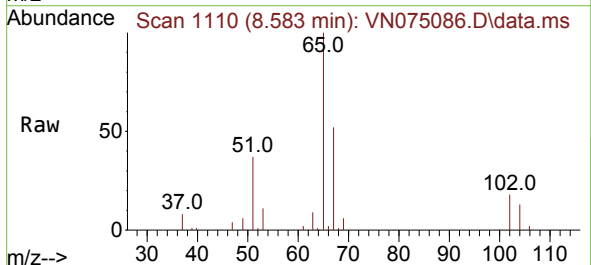


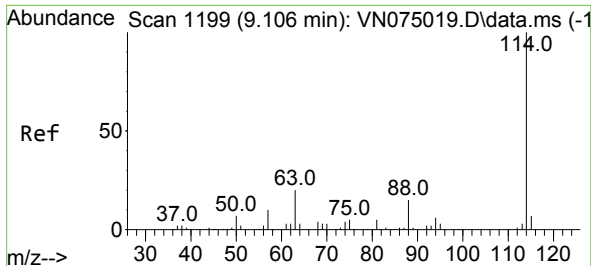
Tgt Ion: 56 Resp: 2982
Ion Ratio Lower Upper
56 100
69 157.0 25.2 37.8#
84 97.6 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 59.310 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Tgt Ion: 65 Resp: 86587
Ion Ratio Lower Upper
65 100
67 49.8 0.0 102.0

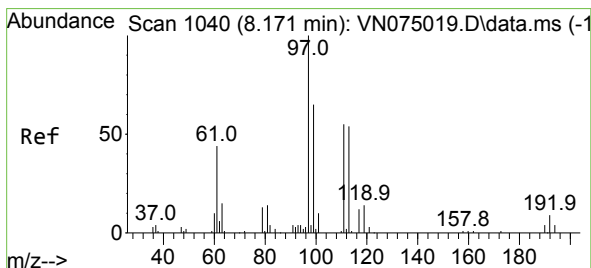
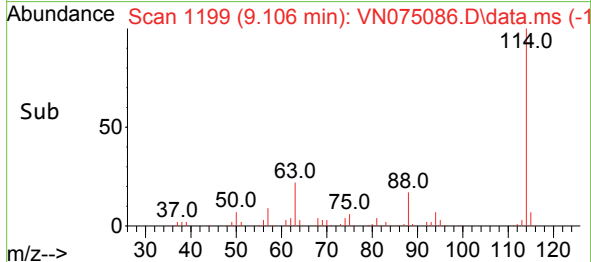
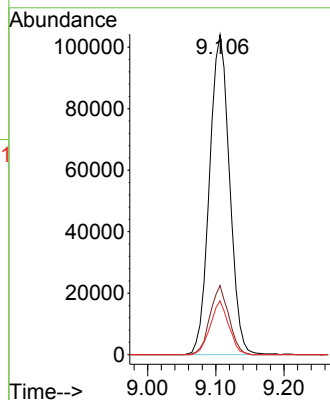
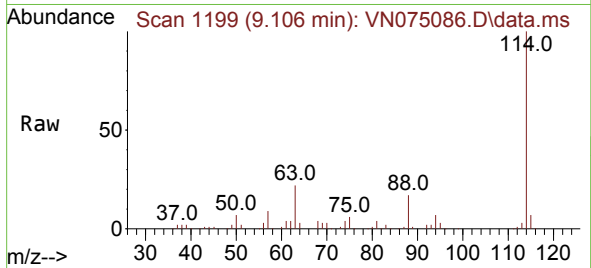




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

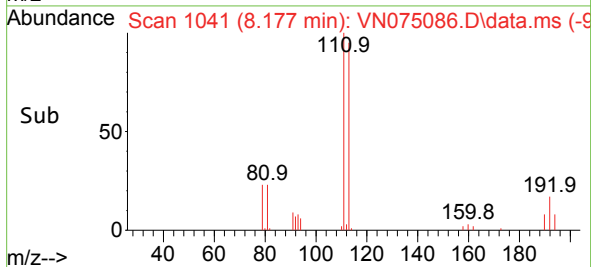
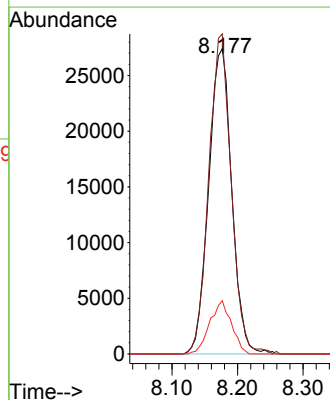
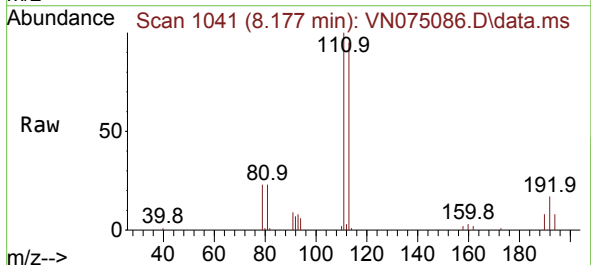
Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

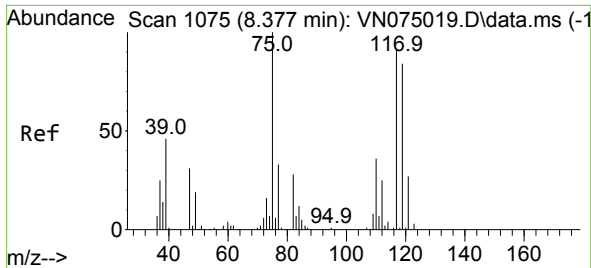
Tgt Ion:114 Resp: 213115
Ion Ratio Lower Upper
114 100
63 21.6 0.0 39.6
88 16.8 0.0 29.0



#35
Dibromofluoromethane
Concen: 53.586 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Tgt Ion:113 Resp: 67041
Ion Ratio Lower Upper
113 100
111 101.7 80.5 120.7
192 16.5 13.2 19.8

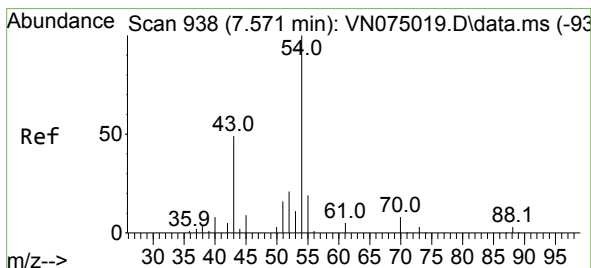
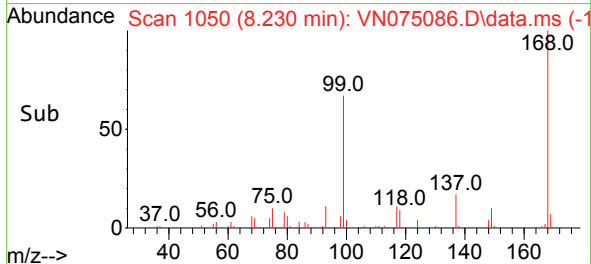
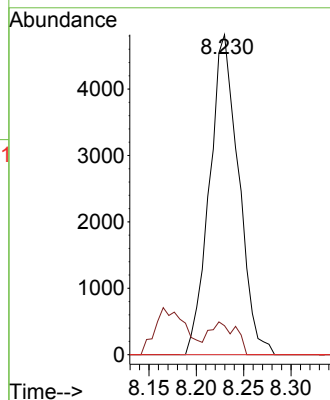
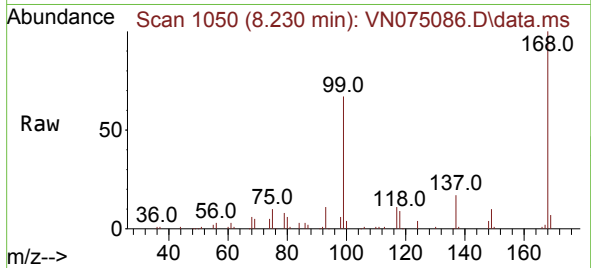




#36
1,1-Dichloropropene
Concen: 5.315 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

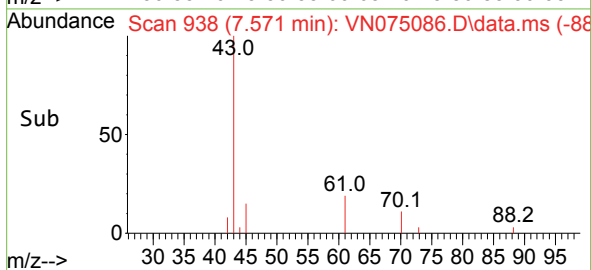
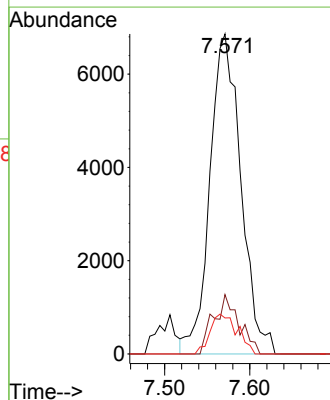
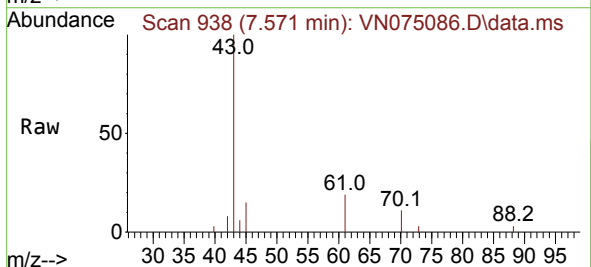
Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

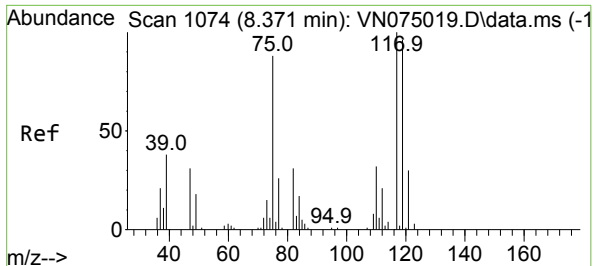
Tgt Ion: 75 Resp: 10295
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 8.159 ug/l
RT: 7.571 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

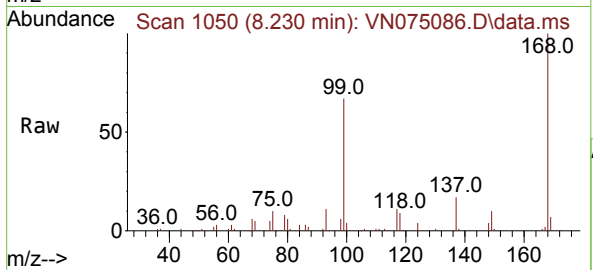
Tgt Ion: 43 Resp: 17331
Ion Ratio Lower Upper
43 100
61 15.2 12.2 18.4
70 11.0 9.4 14.2



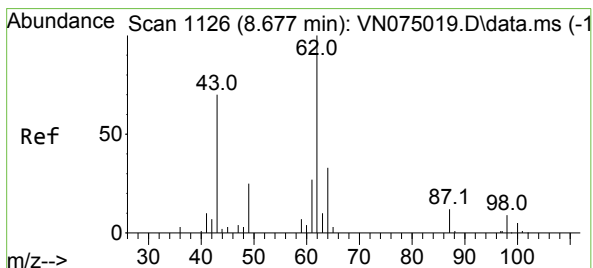
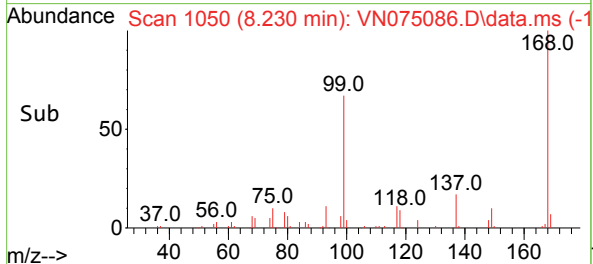
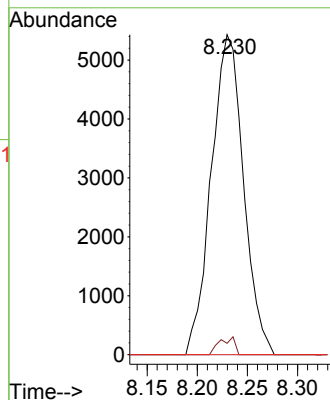


#38
Carbon Tetrachloride
Concen: 5.703 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

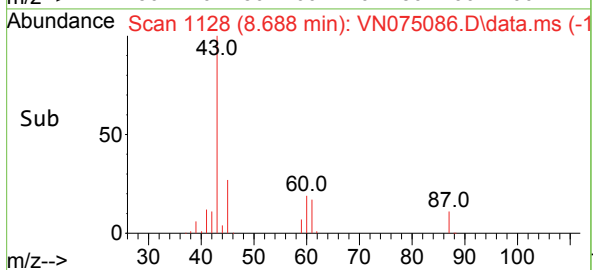
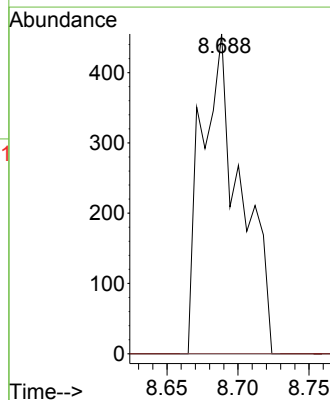
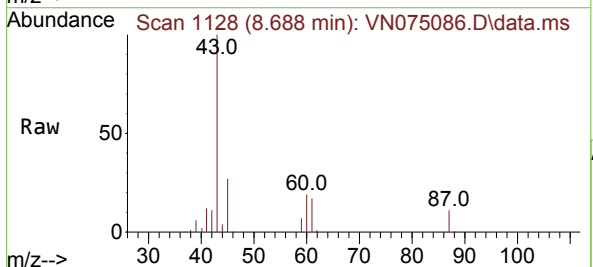


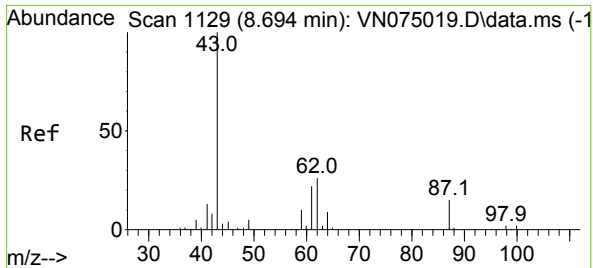
Tgt Ion:117 Resp: 12151
Ion Ratio Lower Upper
117 100
119 3.6 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.405 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Tgt Ion: 62 Resp: 873
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

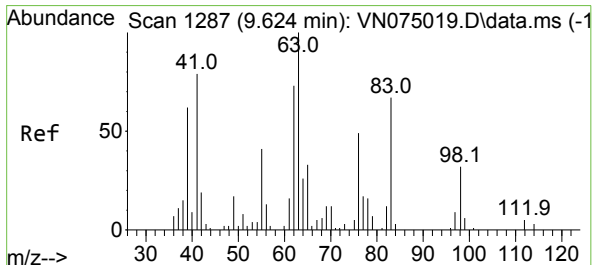
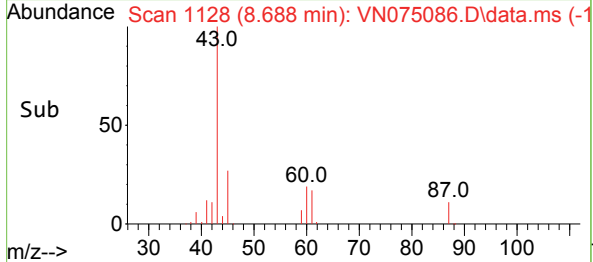
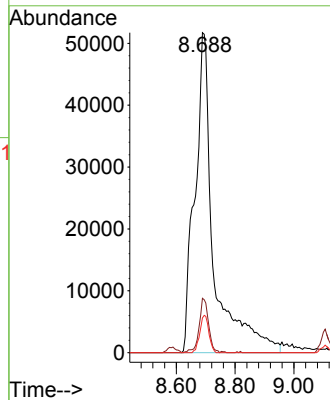
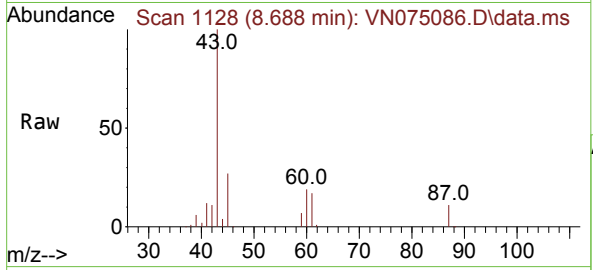




#43
Isopropyl Acetate
Concen: 70.184 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

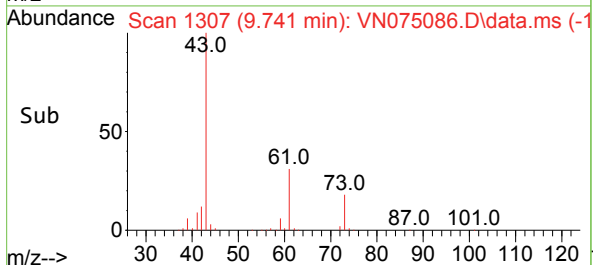
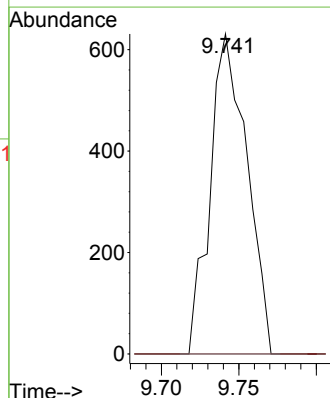
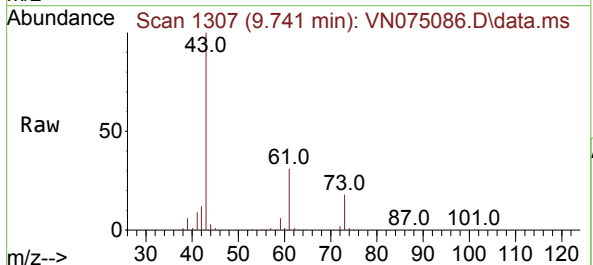
Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

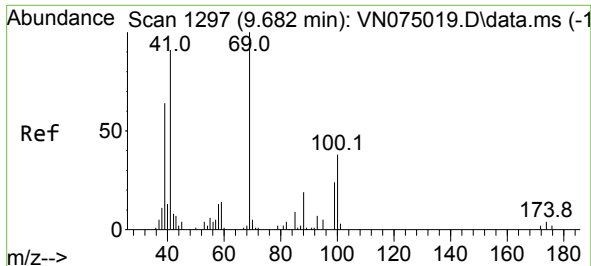
Tgt Ion: 43 Resp: 231246
Ion Ratio Lower Upper
43 100
61 8.4 22.4 33.6#
87 5.6 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.738 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Tgt Ion: 63 Resp: 1042
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

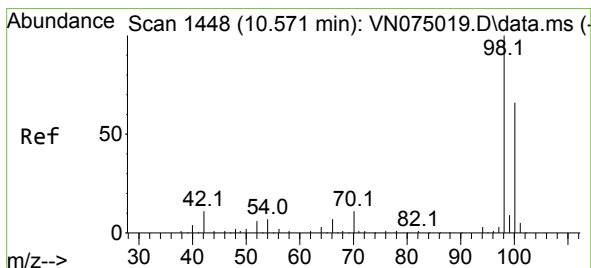
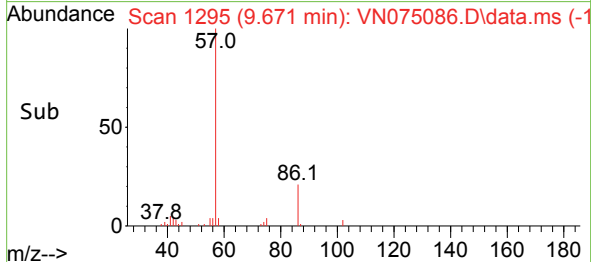
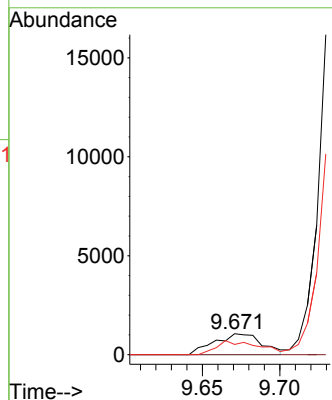
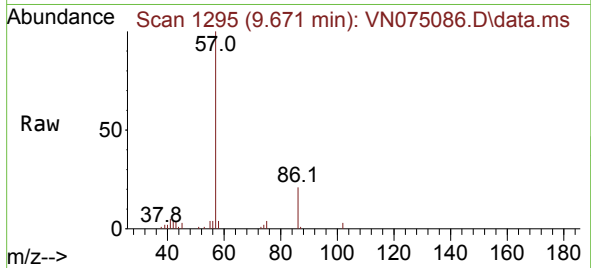




#48
Methyl methacrylate
Concen: 1.492 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.011 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

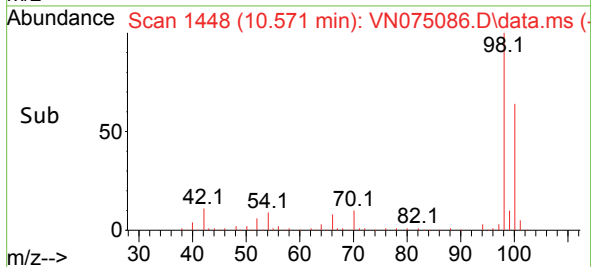
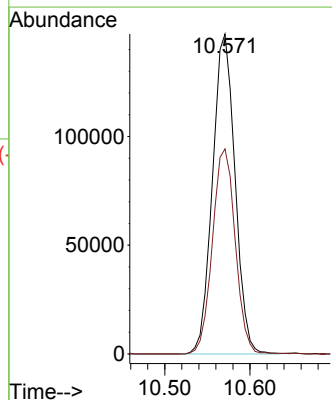
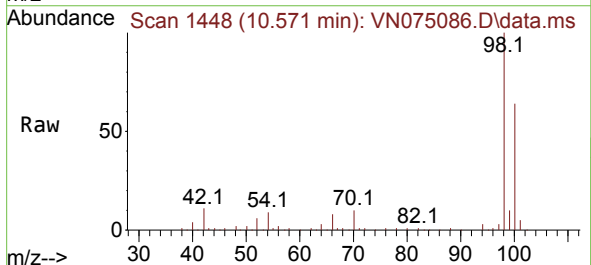
Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

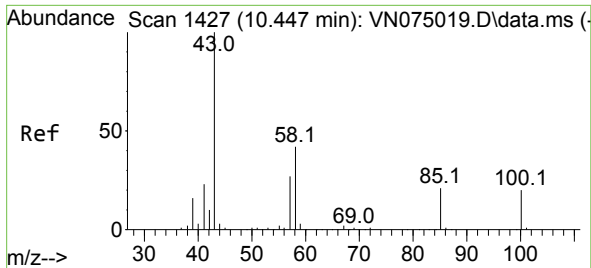
Tgt Ion: 41 Resp: 2255
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 59.5 56.2 84.2



#50
Toluene-d8
Concen: 55.624 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Tgt Ion: 98 Resp: 269994
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.6

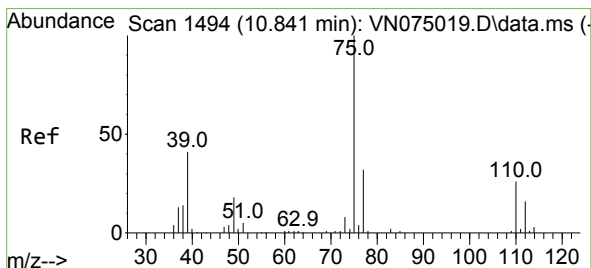
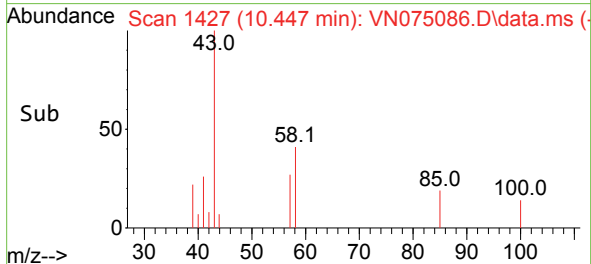
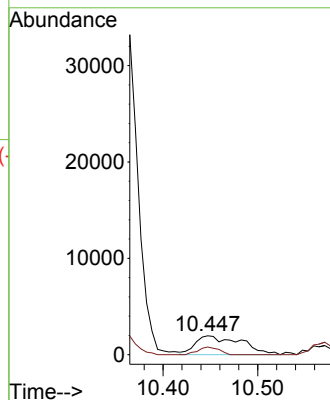
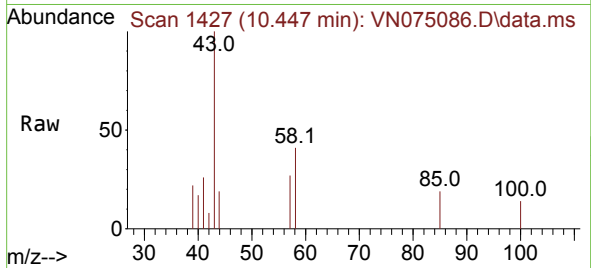




#51
4-Methyl-2-Pentanone
Concen: 3.117 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

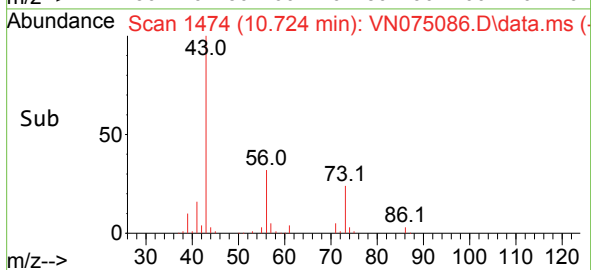
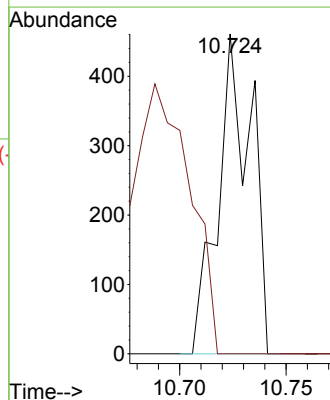
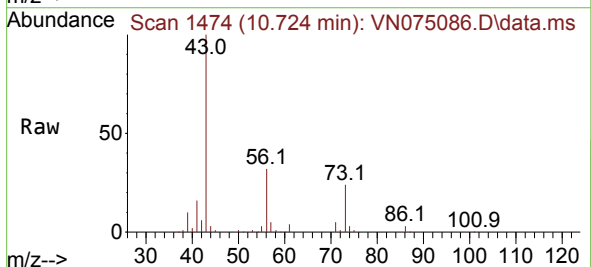
Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

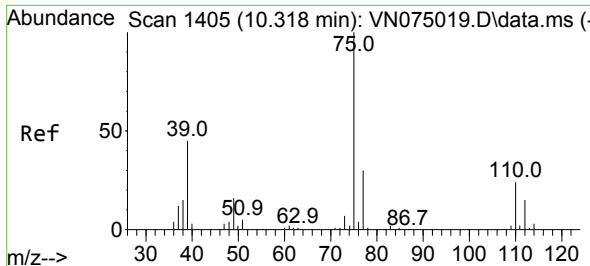
Tgt Ion: 43 Resp: 6628
Ion Ratio Lower Upper
43 100
58 18.6 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.222 ug/l
RT: 10.724 min Scan# 1474
Delta R.T. -0.117 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Tgt Ion: 75 Resp: 499
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

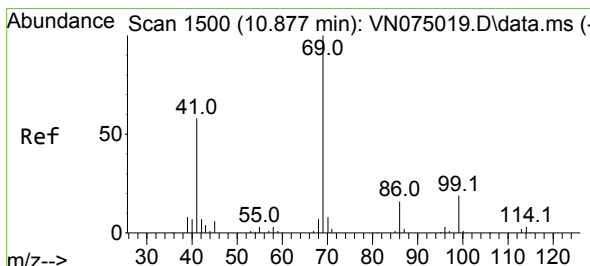
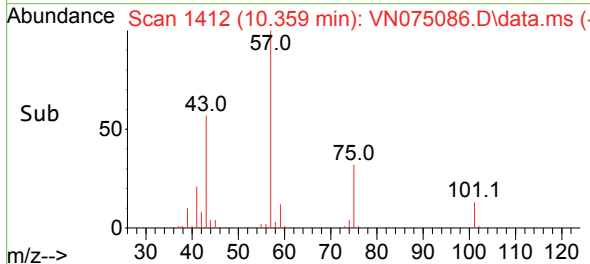
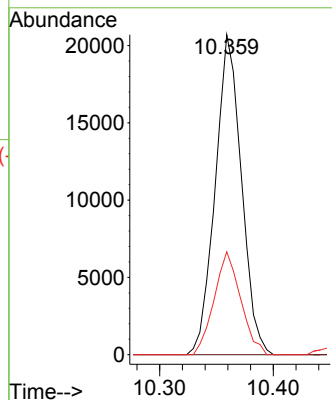
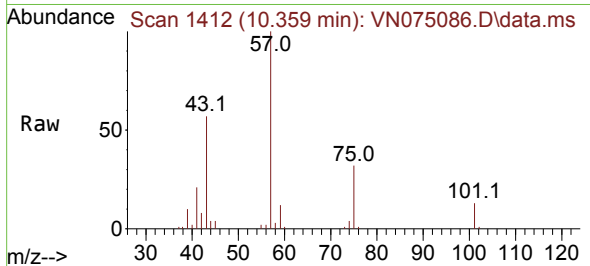




#54
 cis-1,3-Dichloropropene
 Concen: 13.891 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075086.D
 Acq: 31 Oct 2022 14:59

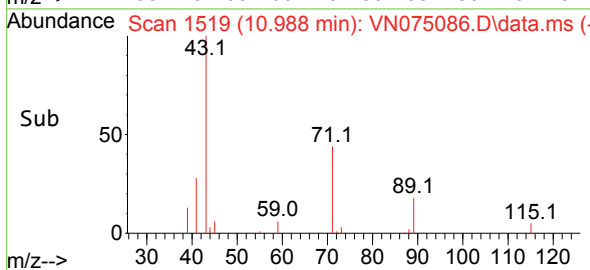
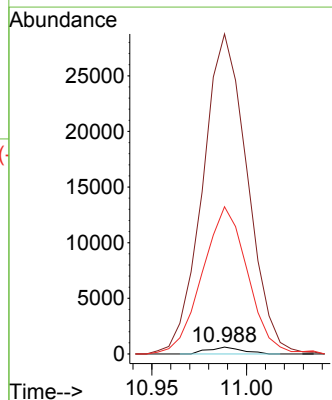
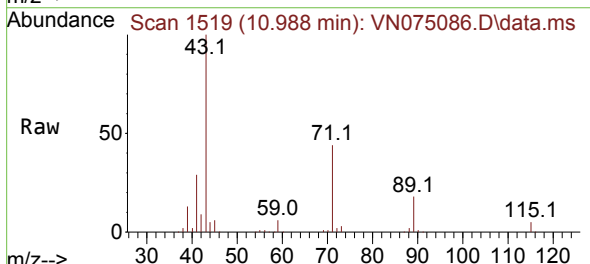
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148643TB

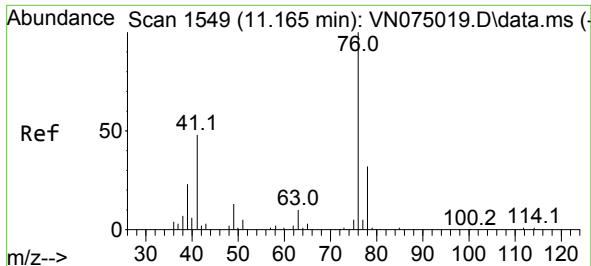
Tgt Ion: 75 Resp: 33114
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 32.2 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.321 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075086.D
 Acq: 31 Oct 2022 14:59

Tgt Ion: 69 Resp: 769
 Ion Ratio Lower Upper
 69 100
 41 6160.9 45.6 68.4#
 39 2876.5 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.739 ug/l

RT: 11.200 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN075086.D

Acq: 31 Oct 2022 14:59

Instrument :

MSVOA_N

ClientSampleId :

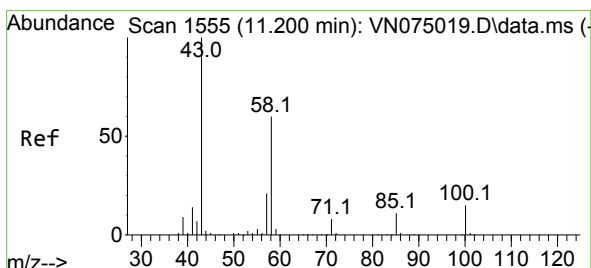
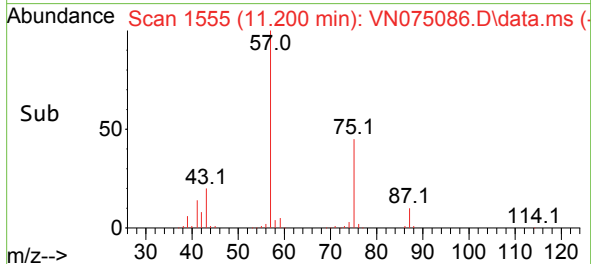
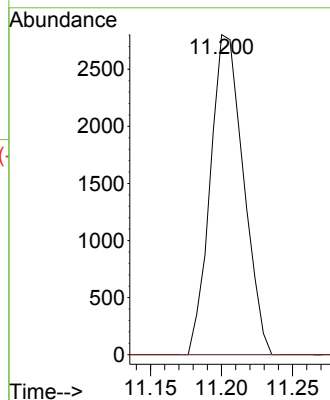
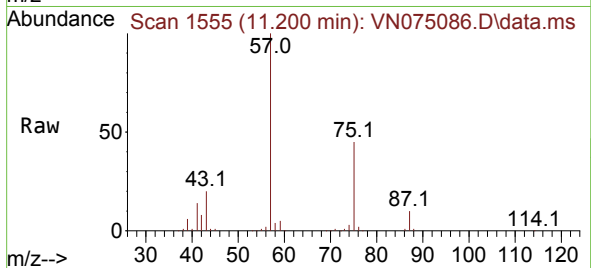
PB148643TB

Tgt Ion: 76 Resp: 4552

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 41.931 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075086.D

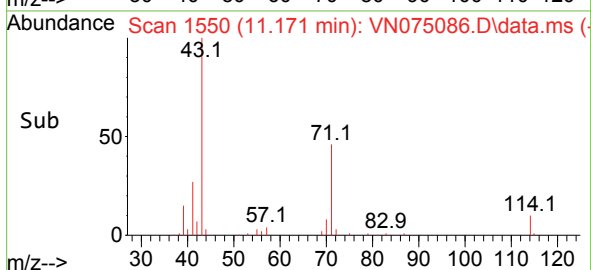
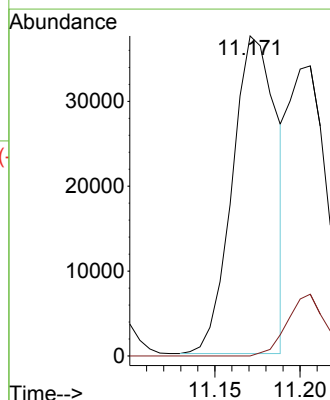
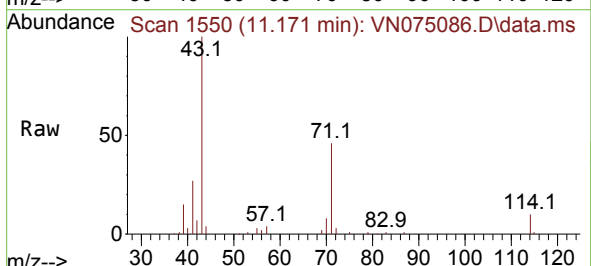
Acq: 31 Oct 2022 14:59

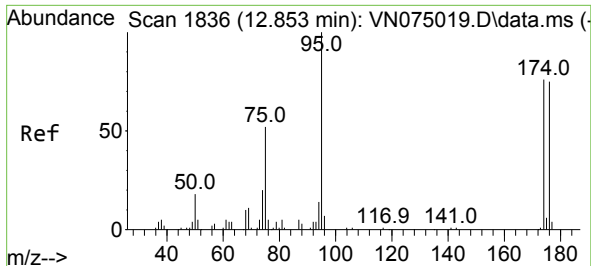
Tgt Ion: 43 Resp: 67664

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

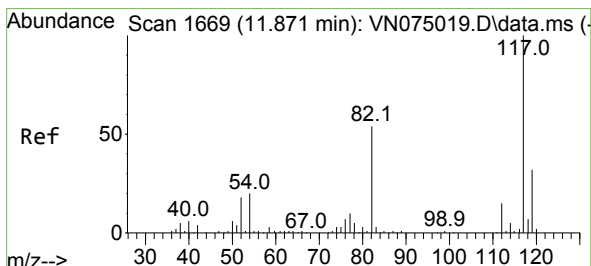
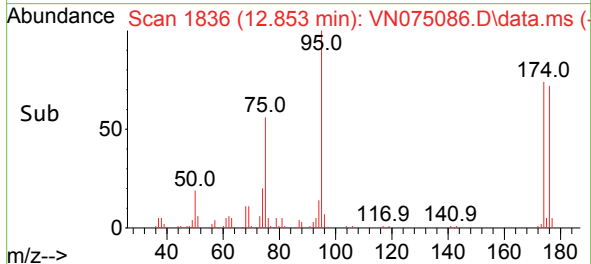
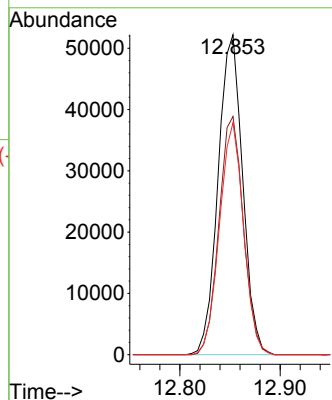
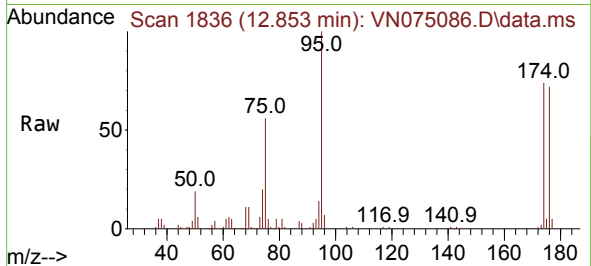




#62
4-Bromofluorobenzene
Concen: 51.965 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

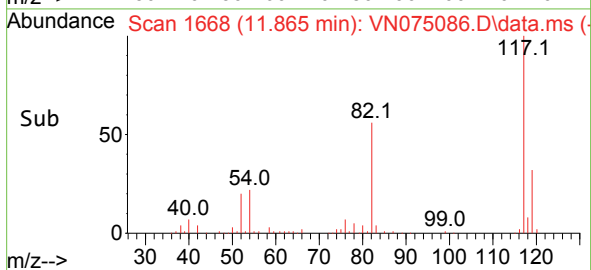
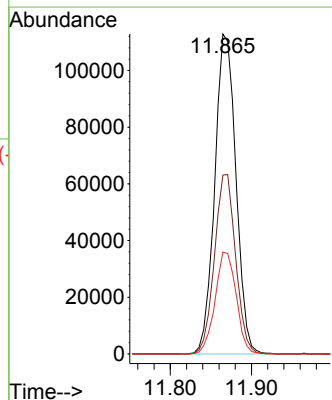
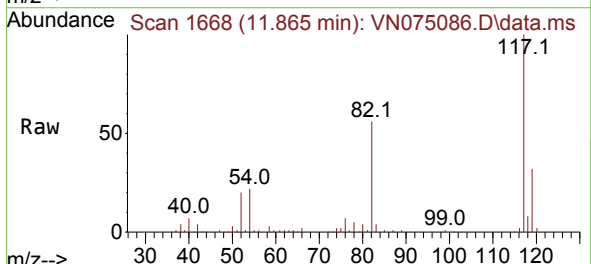
Instrument :
MSVOA_N
ClientSampleId :
PB148643TB

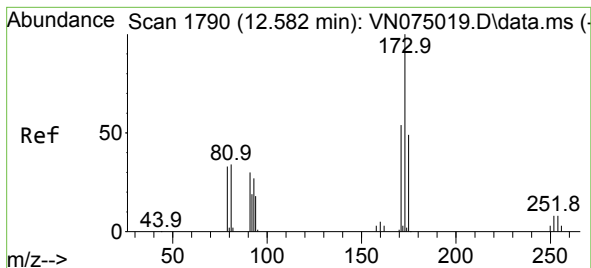
Tgt Ion: 95 Resp: 88605
Ion Ratio Lower Upper
95 100
174 74.2 0.0 147.4
176 71.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Tgt Ion: 117 Resp: 204770
Ion Ratio Lower Upper
117 100
82 55.9 43.1 64.7
119 31.9 25.5 38.3





#71

Bromoform

Concen: 0.646 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN075086.D

Acq: 31 Oct 2022 14:59

Instrument :

MSVOA_N

ClientSampleId :

PB148643TB

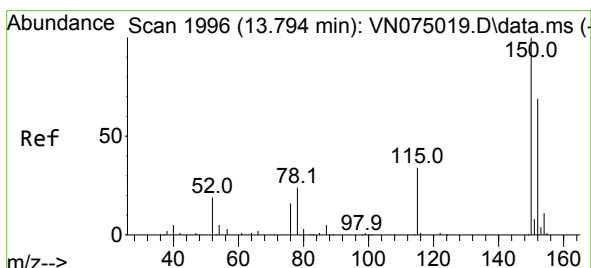
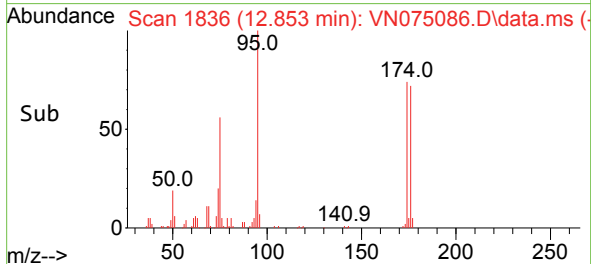
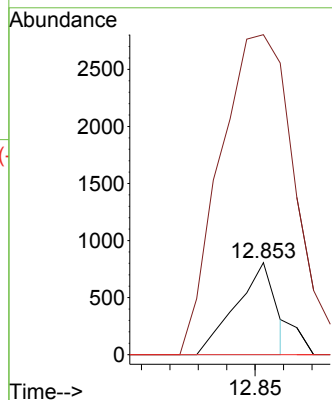
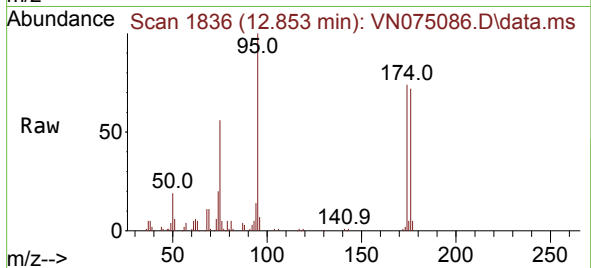
Tgt Ion:173 Resp: 784

Ion Ratio Lower Upper

173 100

175 549.6 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# 1996

Delta R.T. 0.000 min

Lab File: VN075086.D

Acq: 31 Oct 2022 14:59

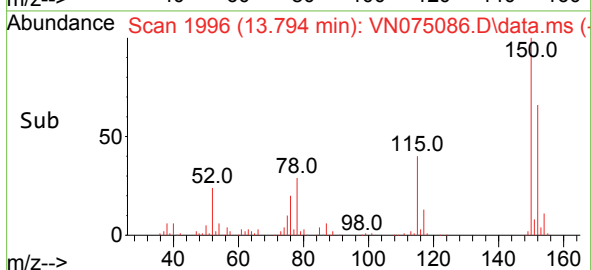
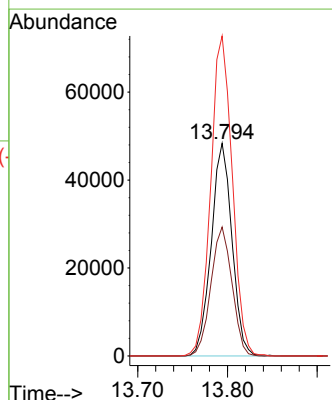
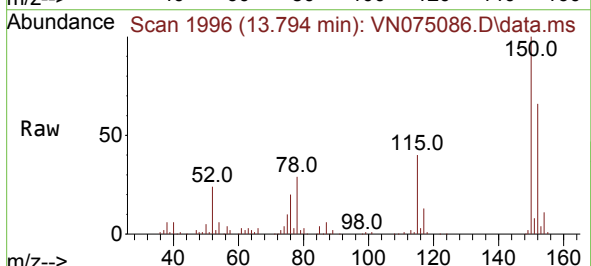
Tgt Ion:152 Resp: 77630

Ion Ratio Lower Upper

152 100

115 61.6 30.2 90.6

150 156.4 0.0 348.4





#74
 N-amy1 acetate
 Concen: 0.378 ug/l
 RT: 12.488 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VN075086.D
 Acq: 31 Oct 2022 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148643TB

Tgt Ion: 43	Resp:	872
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#

Raw

Sub

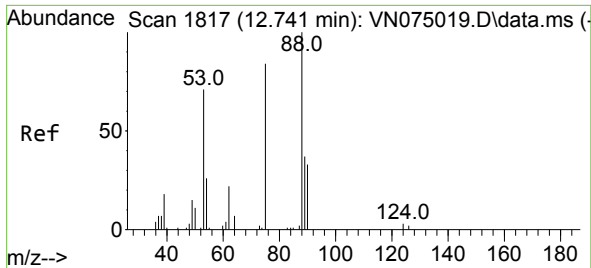
Ref

#76
 1,2,3-Trichloropropane
 Concen: 29.600 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075086.D
 Acq: 31 Oct 2022 14:59

Tgt Ion: 75	Resp:	48789
Ion	Ratio	Lower Upper
75	100	
77	0.9	75.6 226.8#

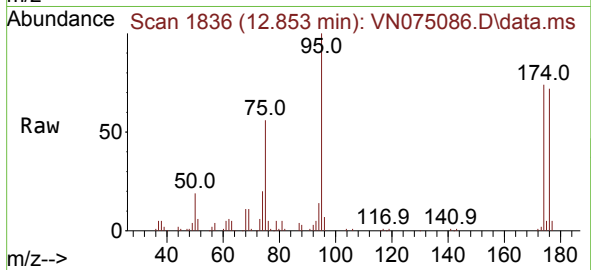
Raw

Sub



#81
trans-1,4-Dichloro-2-butene
Concen: 75.982 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075086.D
Acq: 31 Oct 2022 14:59

Instrument :
MSVOA_N
ClientSampleId :
PB148643TB



Tgt Ion: 75 Resp: 48789
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

