

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100522\
 Data File : VN074764.D
 Acq On : 06 Oct 2022 02:03
 Operator : JC\MD
 Sample : PB148097ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148097ZHE#01

Quant Time: Oct 06 07:48:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

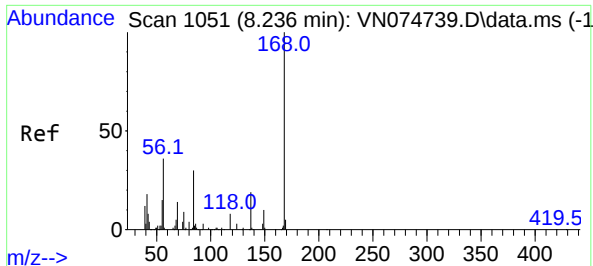
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.241	168	265943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	501440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	531492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	263569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	349740	55.503	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.000%			
35) Dibromofluoromethane	8.177	113	274195	54.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.240%			
50) Toluene-d8	10.571	98	1136566	52.282	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.560%			
62) 4-Bromofluorobenzene	12.853	95	300491	45.472	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.940%			
Target Compounds						Qvalue
6) Chloroethane	3.248	64	67503	9.085	ug/l #	52
13) Acrolein	4.206	56	164	Below Cal	#	1
16) Acetone	4.465	43	96621	27.057	ug/l	94
18) Methyl Acetate	5.059	43	22991	1.739	ug/l #	83
20) Methylene Chloride	5.306	84	36797	4.454	ug/l #	81
25) 2-Butanone	7.518	43	12021	1.855	ug/l #	89
29) Tetrahydrofuran	7.853	42	6667	1.476	ug/l #	85
31) Cyclohexane	8.241	56	6954	0.639	ug/l #	49
36) 1,1-Dichloropropene	8.235	75	24466	2.984	ug/l #	47
37) Ethyl Acetate	7.518	43	12021	0.365	ug/l #	86
38) Carbon Tetrachloride	8.230	117	27776	3.592	ug/l #	17
42) 1,2-Dichloroethane	8.700	62	3753	0.450	ug/l #	74
43) Isopropyl Acetate	8.700	43	546883	26.905	ug/l #	93
48) Methyl methacrylate	9.671	41	16324	1.956	ug/l #	86
49) 1,4-Dioxane	9.712	88	185	1.023	ug/l #	24
51) 4-Methyl-2-Pentanone	10.453	43	23396	1.787	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	177596	16.021	ug/l #	62
57) 1,3-Dichloropropane	11.212	76	22617	1.957	ug/l #	47
59) 2-Hexanone	11.176	43	487093	49.198	ug/l #	24
71) Bromoform	12.847	173	2319	0.511	ug/l #	1
74) N-amyl acetate	12.488	43	5430	0.354	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.947	83	165	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	176617	22.451	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	176617	43.743	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.706	75	1023	0.487	ug/l #	3
95) Naphthalene	15.647	128	7059	0.385	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.823	180	202	Below Cal	#	12

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

Quant Time: Oct 06 07:48:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
Response via : Initial Calibration

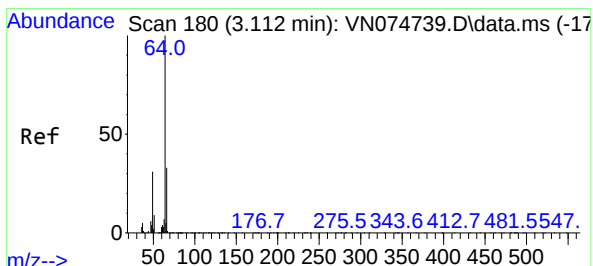
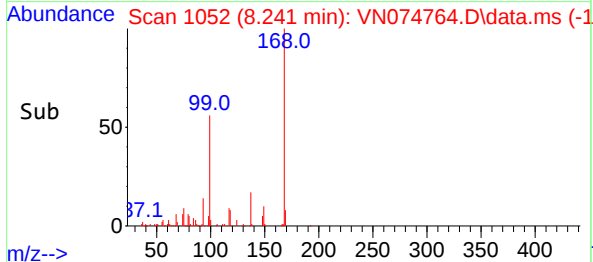
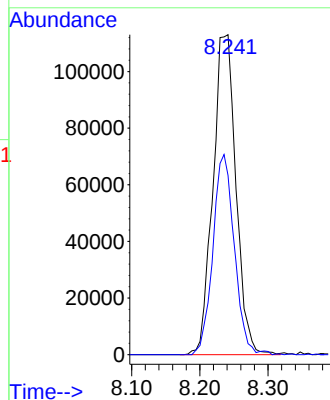
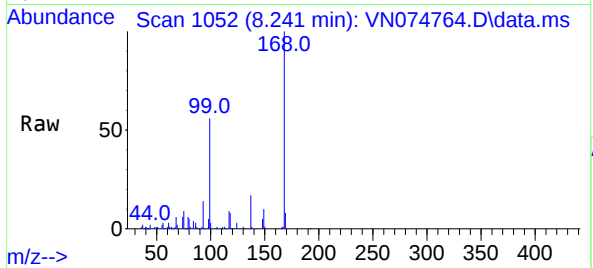




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.241 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

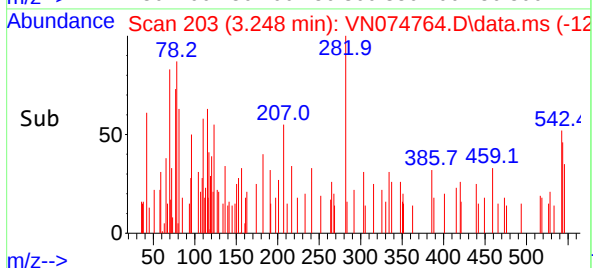
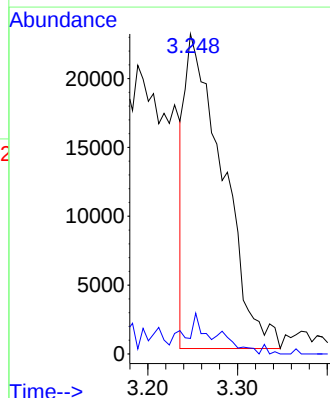
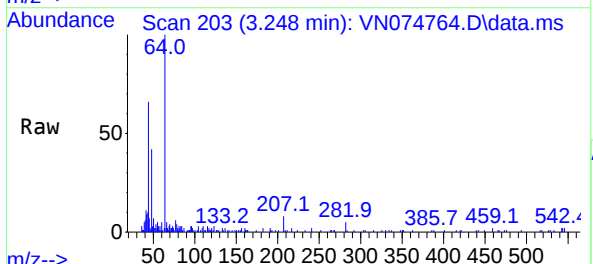
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

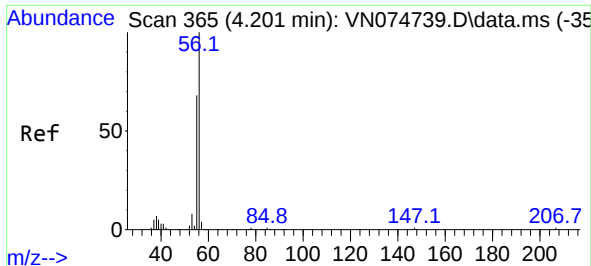
Tgt Ion:168 Resp: 265943
Ion Ratio Lower Upper
168 100
99 56.0 42.8 64.2



#6
Chloroethane
Concen: 9.085 ug/l
RT: 3.248 min Scan# 203
Delta R.T. 0.135 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion: 64 Resp: 67503
Ion Ratio Lower Upper
64 100
66 5.0 25.1 37.7#

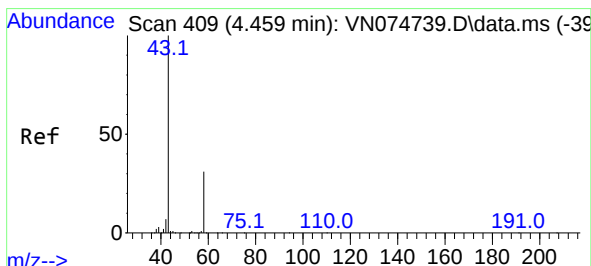
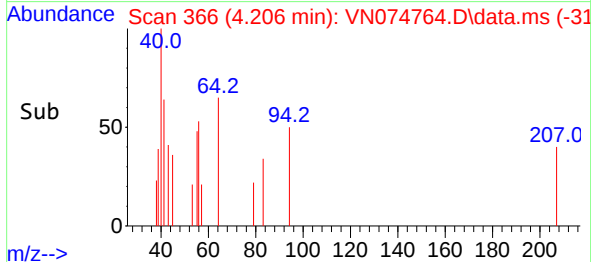
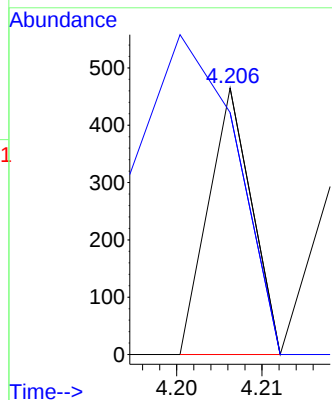
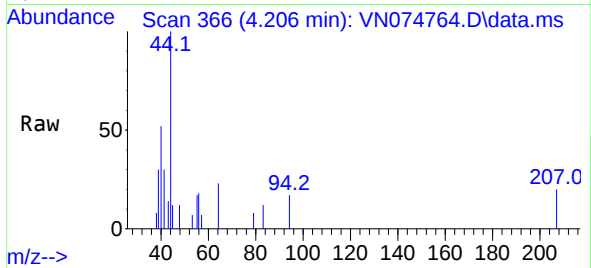




#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 30
Delta R.T. 0.005 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

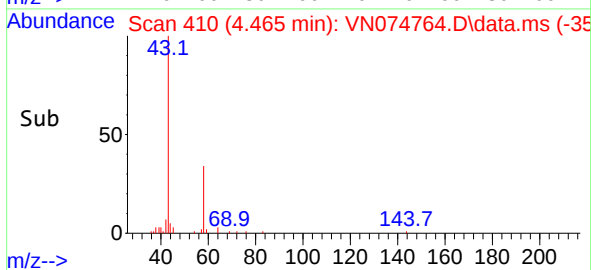
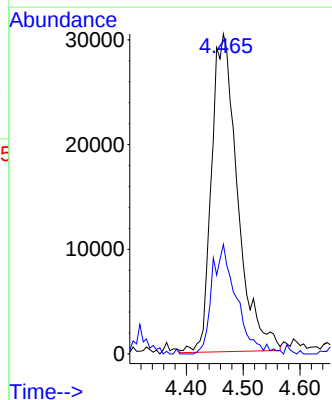
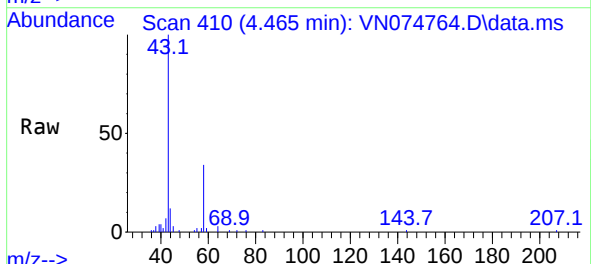
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

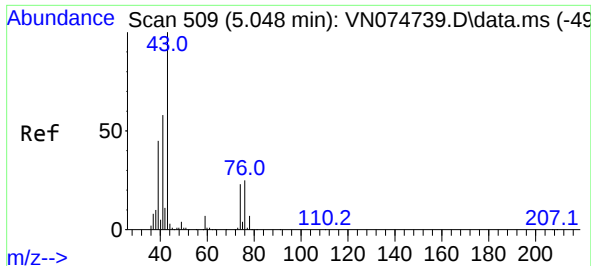
Tgt Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
55 278.7 54.9 82.3#



#16
Acetone
Concen: 27.057 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion: 43 Resp: 96621
Ion Ratio Lower Upper
43 100
58 34.6 24.9 37.3

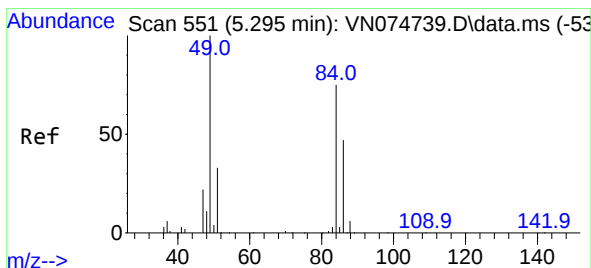
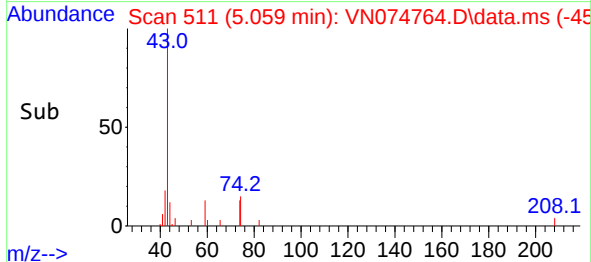
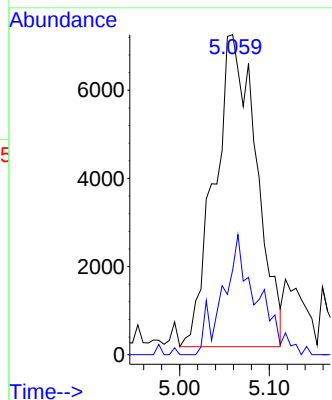
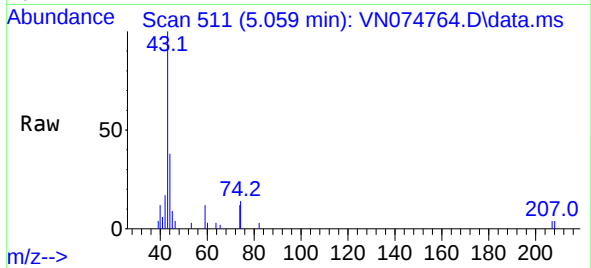




#18
Methyl Acetate
Concen: 1.739 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

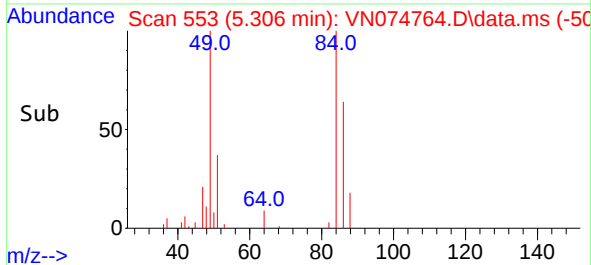
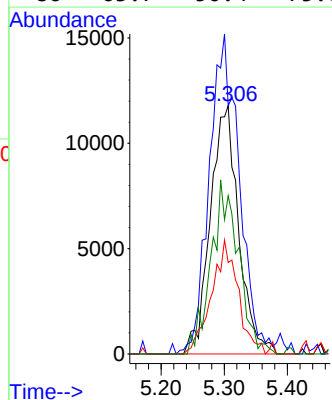
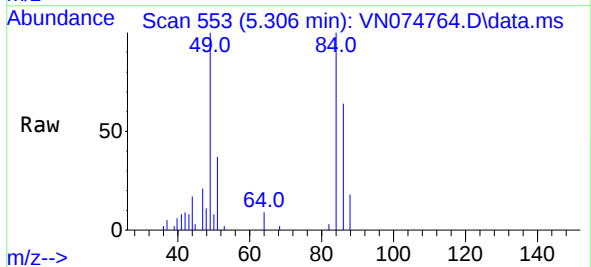
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

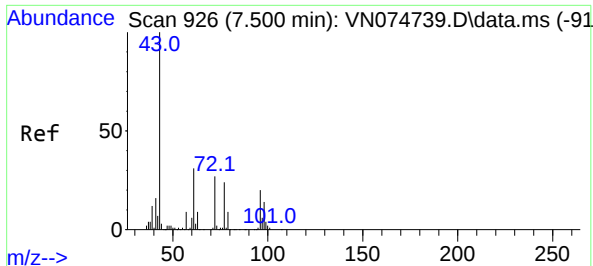
Tgt Ion: 43 Resp: 22991
Ion Ratio Lower Upper
43 100
74 31.5 18.5 27.7#



#20
Methylene Chloride
Concen: 4.454 ug/l
RT: 5.306 min Scan# 553
Delta R.T. 0.011 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion: 84 Resp: 36797
Ion Ratio Lower Upper
84 100
49 98.5 107.4 161.0#
51 36.9 35.1 52.7
86 63.7 50.4 75.6

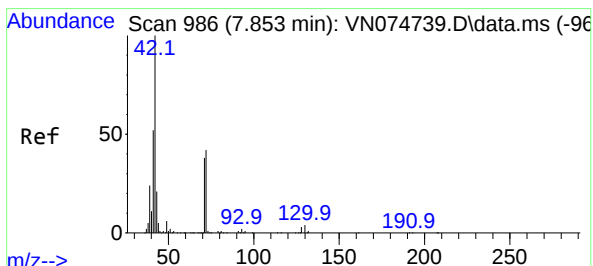
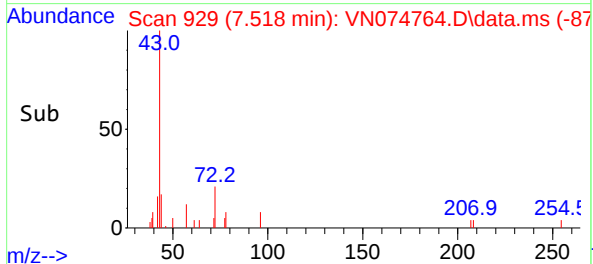
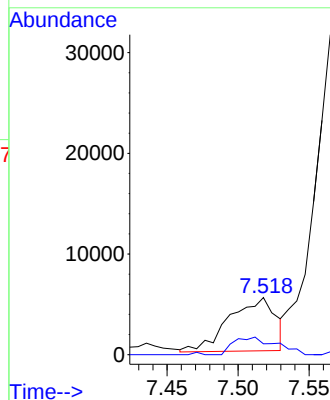
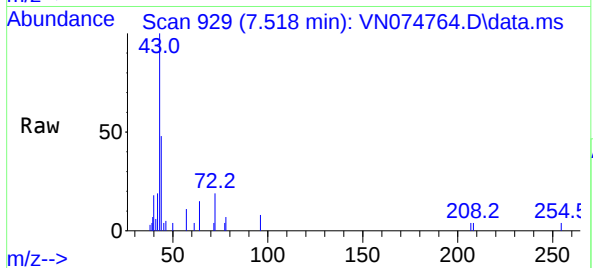




#25
2-Butanone
Concen: 1.855 ug/l
RT: 7.518 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

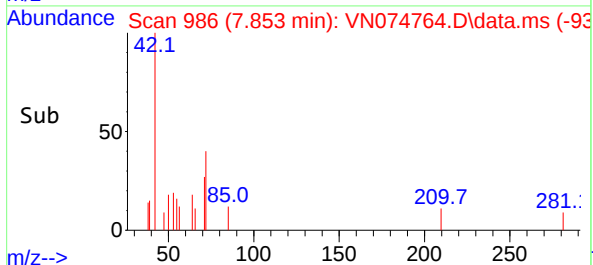
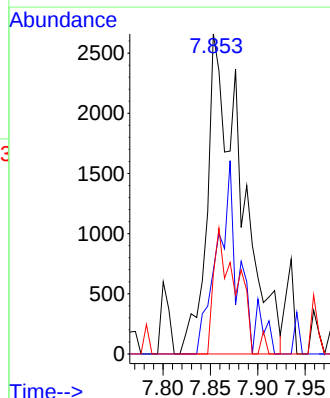
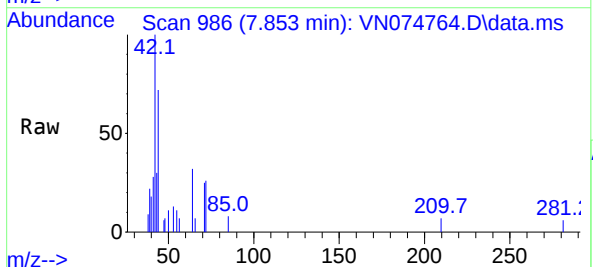
Instrument :
MSVOA_N
ClientSampleId :
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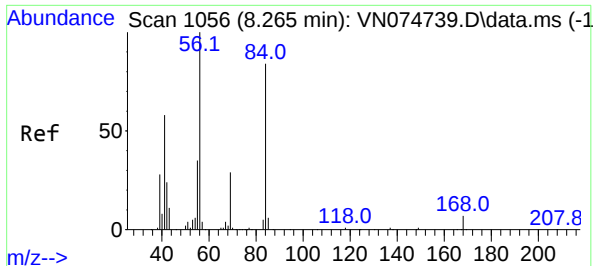
Tgt Ion: 43 Resp: 12021
Ion Ratio Lower Upper
43 100
72 20.9 21.4 32.0#



#29
Tetrahydrofuran
Concen: 1.476 ug/l
RT: 7.853 min Scan# 986
Delta R.T. -0.000 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

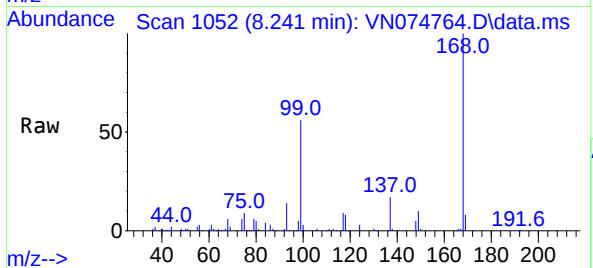
Tgt Ion: 42 Resp: 6667
Ion Ratio Lower Upper
42 100
72 35.4 33.0 49.6
71 25.4 30.4 45.6#



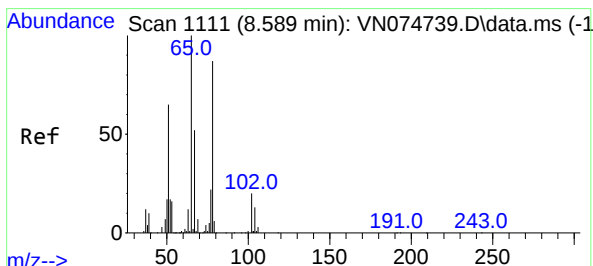
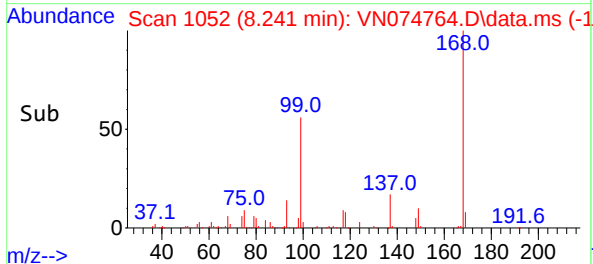
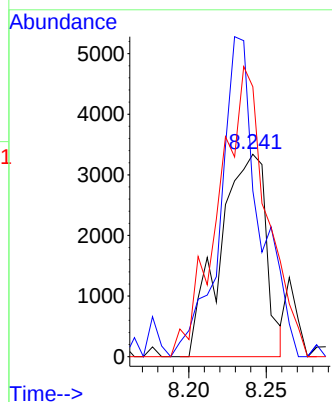


#31
Cyclohexane
Concen: 0.639 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.024 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

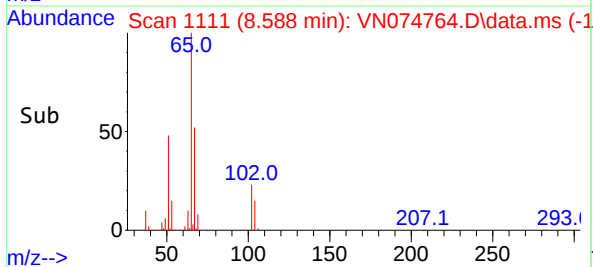
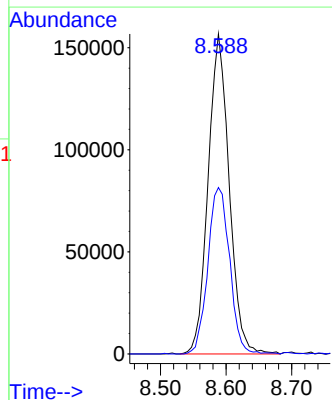
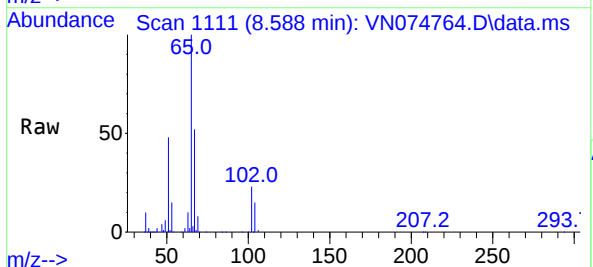


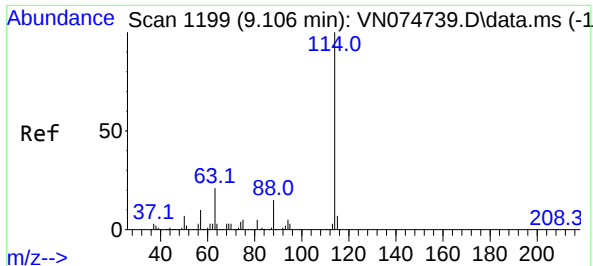
Tgt Ion: 56 Resp: 6954
Ion Ratio Lower Upper
56 100
69 74.9 23.1 34.7#
84 119.7 67.1 100.7#



#33
1,2-Dichloroethane-d4
Concen: 55.503 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion: 65 Resp: 349740
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.0

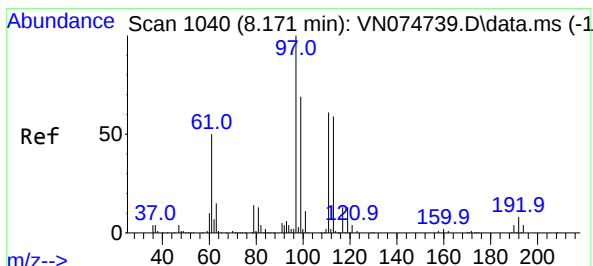
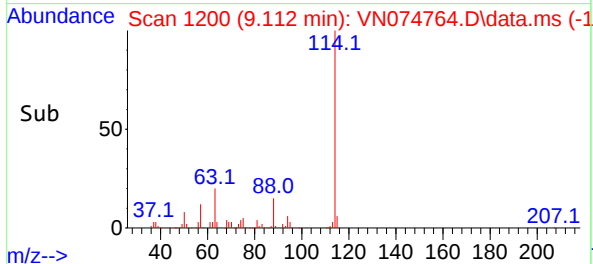
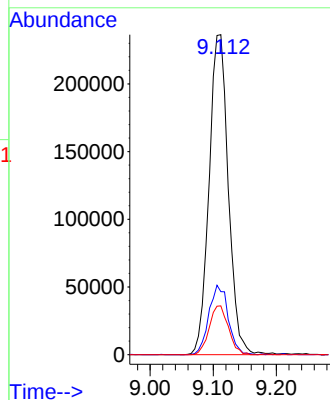
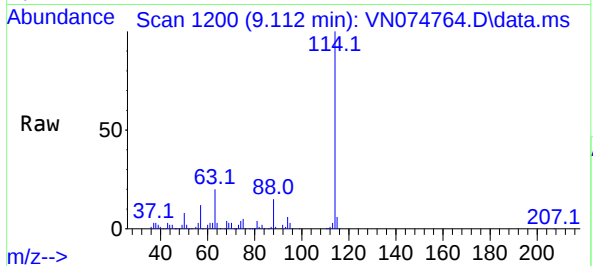




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1199
Delta R.T. 0.006 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

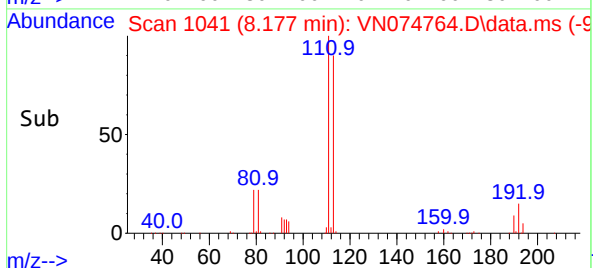
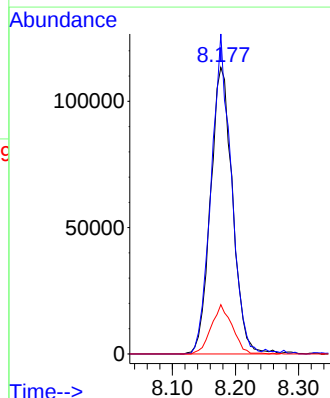
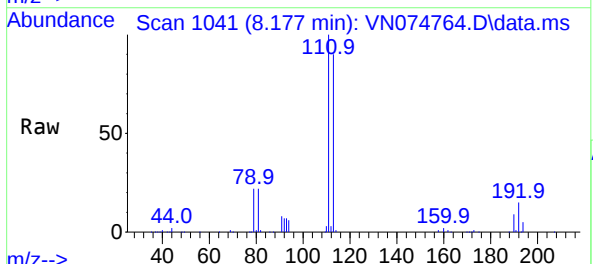
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PB148097ZHE#01

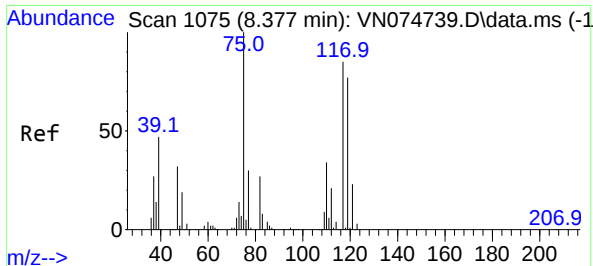
Tgt Ion:114 Resp: 501440
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.2
88 15.3 0.0 30.2



#35
Dibromofluoromethane
Concen: 54.121 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion:113 Resp: 274195
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 16.5 12.6 18.8





#36

1,1-Dichloropropene

Concen: 2.984 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN074764.D

Acq: 06 Oct 2022 02:03

Instrument :

MSVOA_N

ClientSampleId :

PB148097ZHE#01

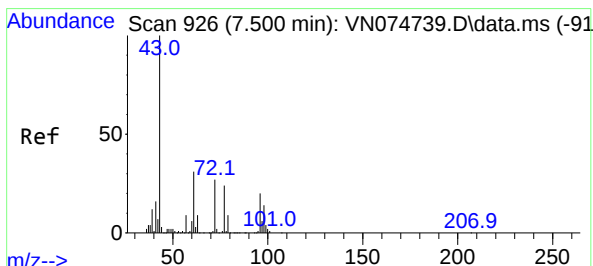
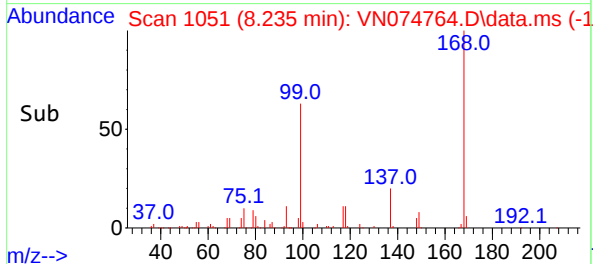
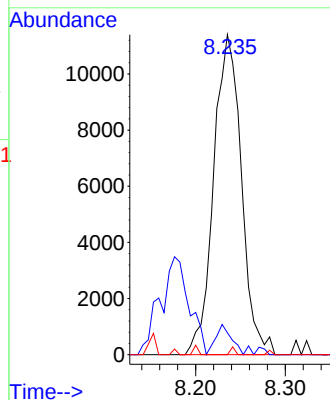
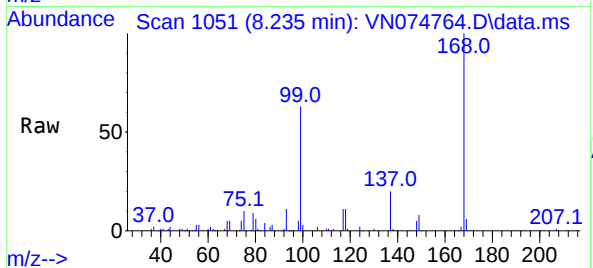
Tgt Ion: 75 Resp: 24466

Ion Ratio Lower Upper

75 100

110 5.3 17.2 51.5#

77 0.4 24.3 36.5#



#37

Ethyl Acetate

Concen: 0.365 ug/l

RT: 7.518 min Scan# 929

Delta R.T. 0.017 min

Lab File: VN074764.D

Acq: 06 Oct 2022 02:03

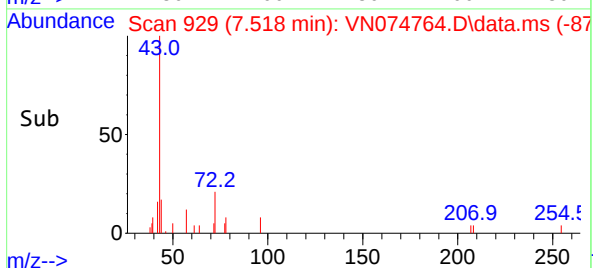
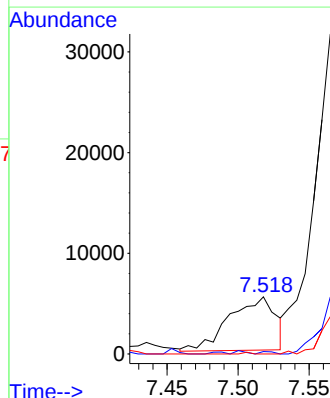
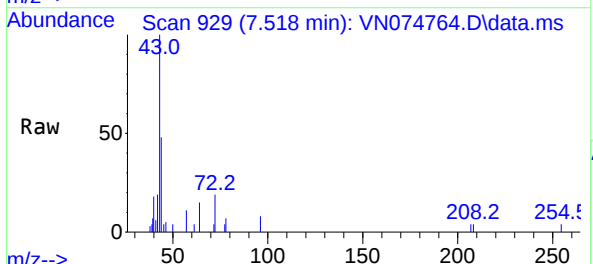
Tgt Ion: 43 Resp: 12021

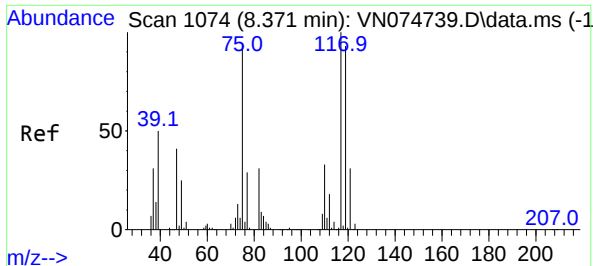
Ion Ratio Lower Upper

43 100

61 0.0 4.3 6.5#

70 0.0 3.0 4.4#

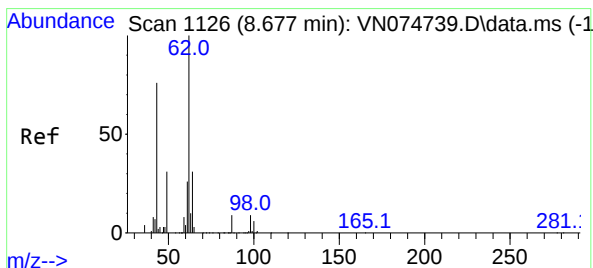
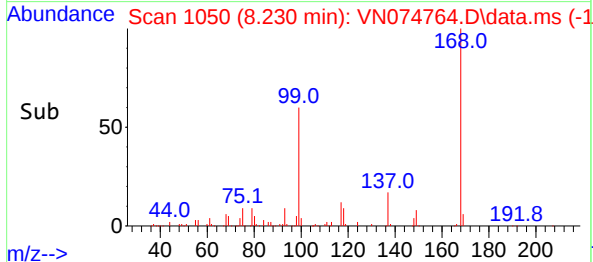
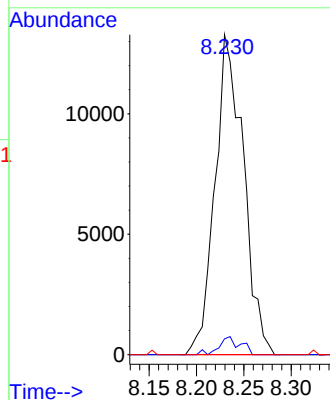
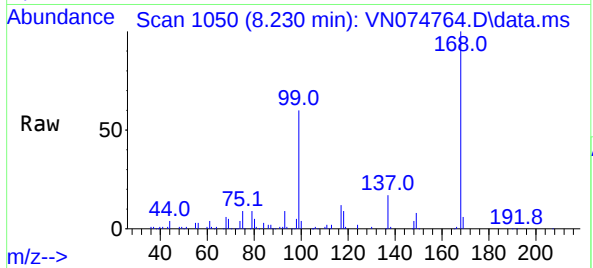




#38
Carbon Tetrachloride
Concen: 3.592 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

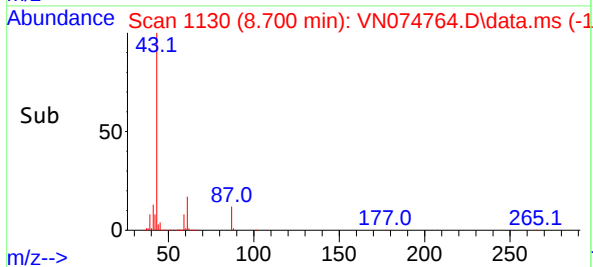
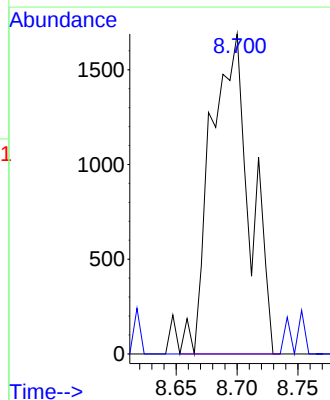
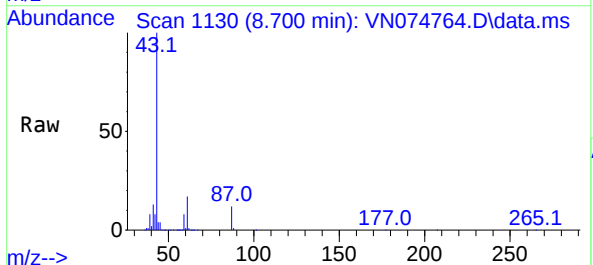
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

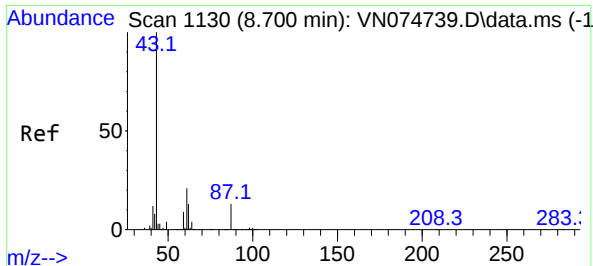
Tgt Ion:117 Resp: 27776
Ion Ratio Lower Upper
117 100
119 4.9 74.3 111.5#
121 0.0 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 0.450 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. 0.023 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion: 62 Resp: 3753
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

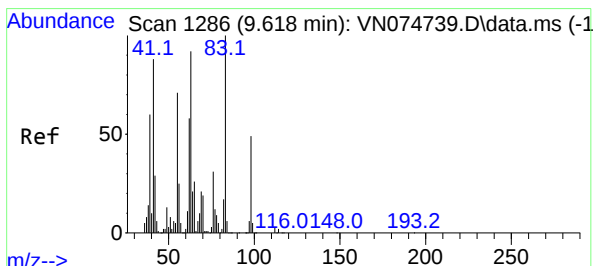
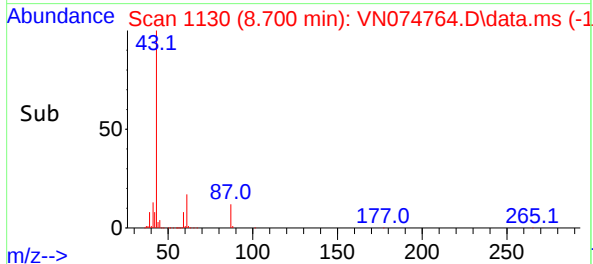
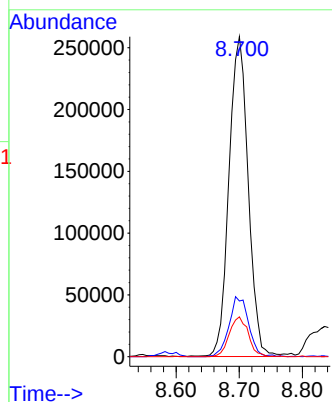
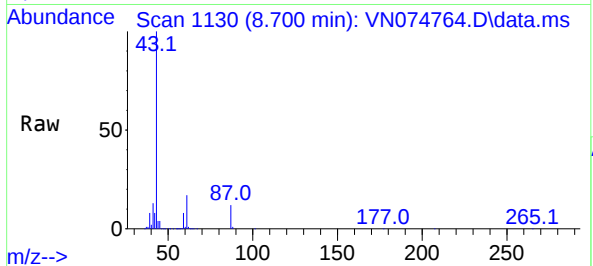




#43
Isopropyl Acetate
Concen: 26.905 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

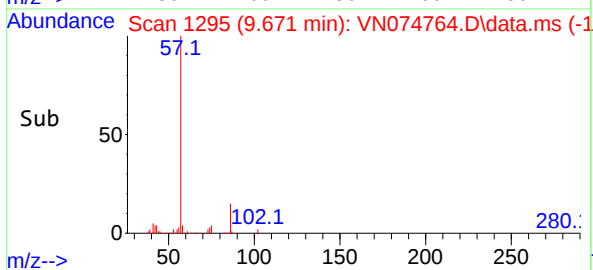
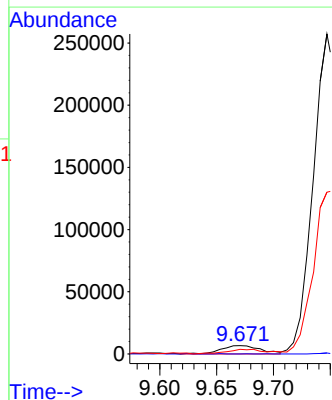
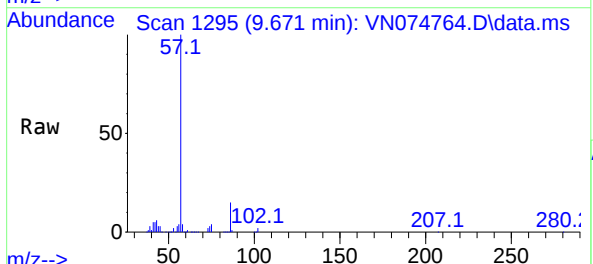
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

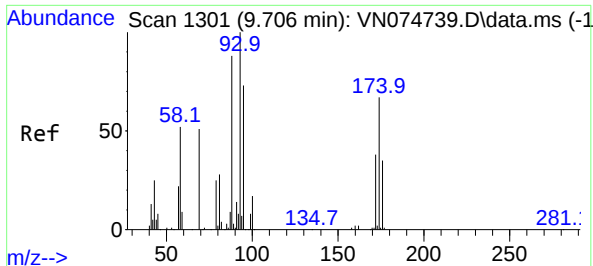
Tgt Ion: 43 Resp: 546883
Ion Ratio Lower Upper
43 100
61 19.2 19.4 29.0#
87 12.4 10.1 15.1



#48
Methyl methacrylate
Concen: 1.956 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. 0.053 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion: 41 Resp: 16324
Ion Ratio Lower Upper
41 100
69 0.3 0.0 0.0#
39 56.5 54.4 81.6

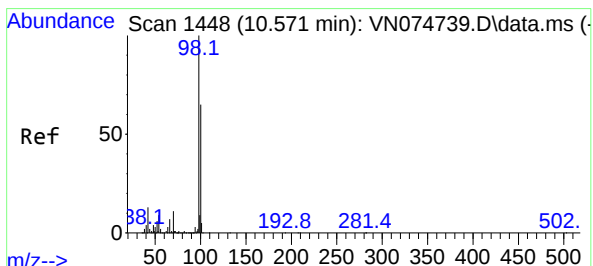
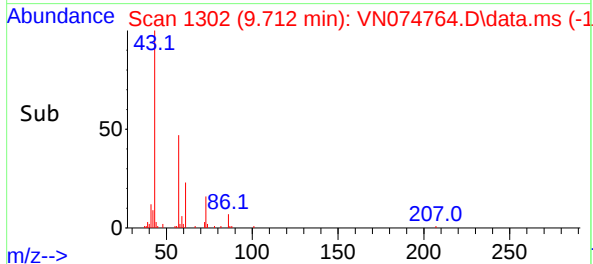
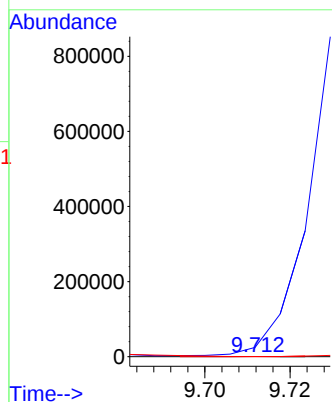
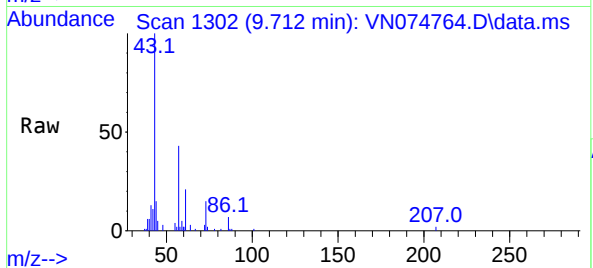




#49
1,4-Dioxane
Concen: 1.023 ug/l
RT: 9.712 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

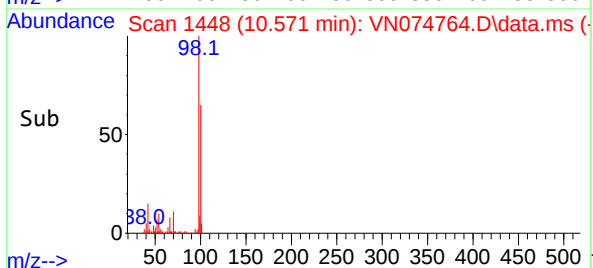
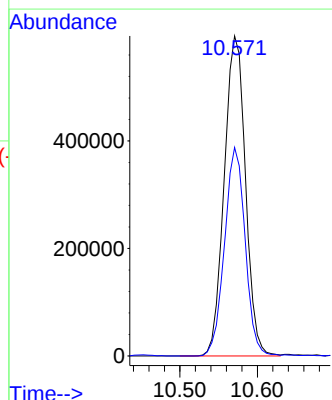
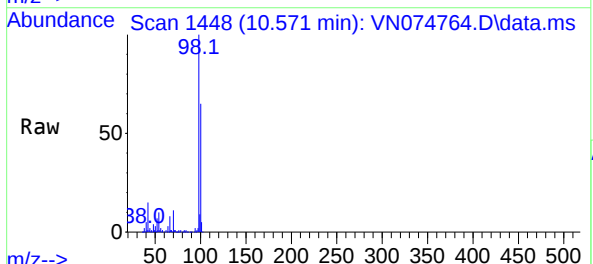
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

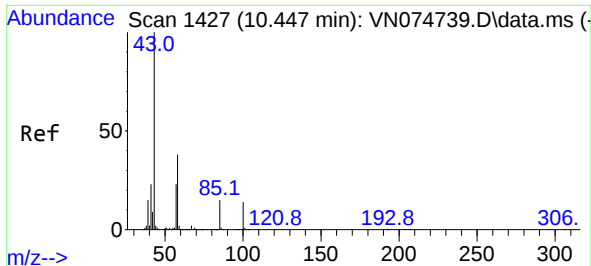
Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 52.282 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion: 98 Resp: 1136566
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1

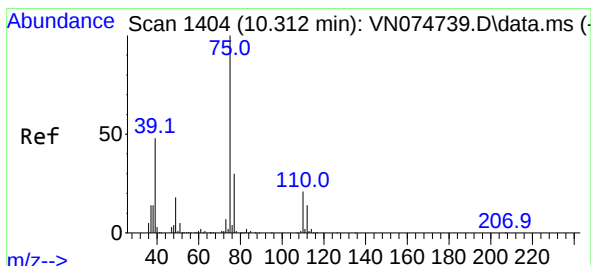
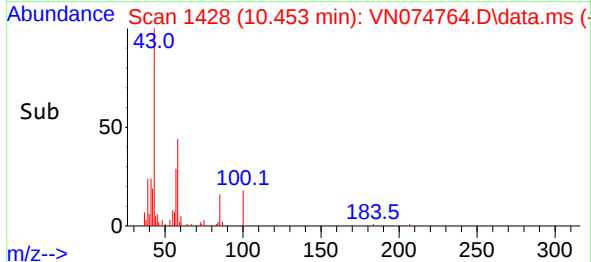
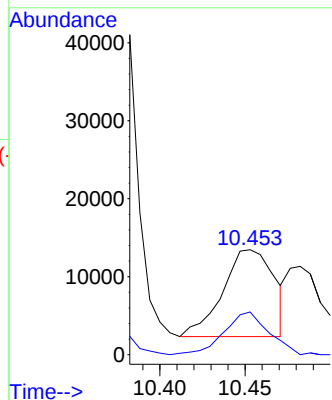
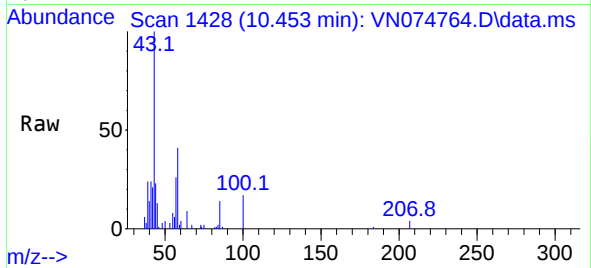




#51
4-Methyl-2-Pentanone
Concen: 1.787 ug/l
RT: 10.453 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

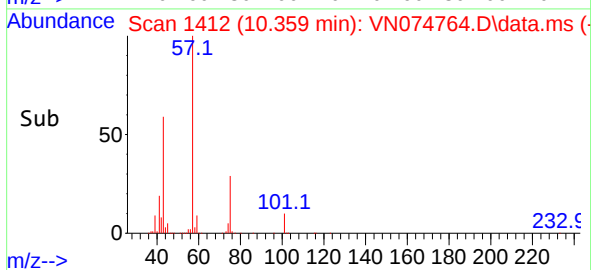
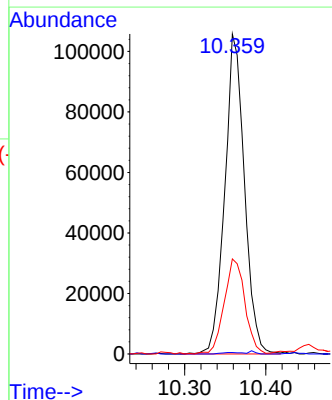
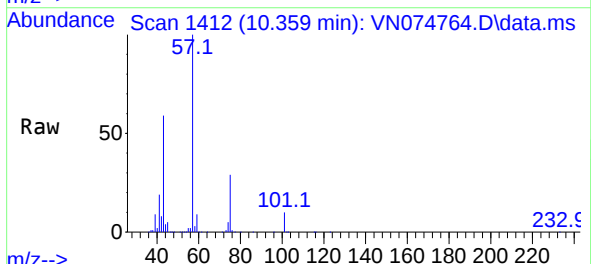
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

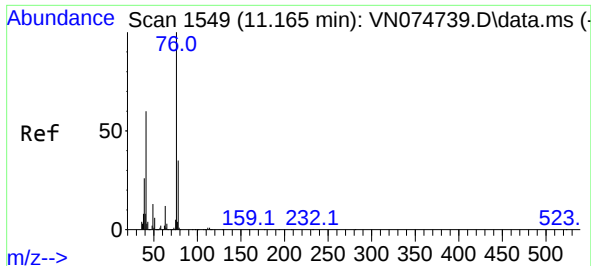
Tgt Ion: 43 Resp: 23396
Ion Ratio Lower Upper
43 100
58 42.8 30.6 45.8



#54
cis-1,3-Dichloropropene
Concen: 16.021 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion: 75 Resp: 177596
Ion Ratio Lower Upper
75 100
77 0.5 24.4 36.6#
39 29.3 38.6 57.8#





#57

1,3-Dichloropropane

Concen: 1.957 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN074764.D

Acq: 06 Oct 2022 02:03

Instrument :

MSVOA_N

ClientSampleId :

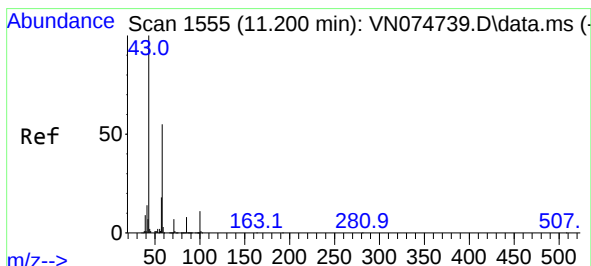
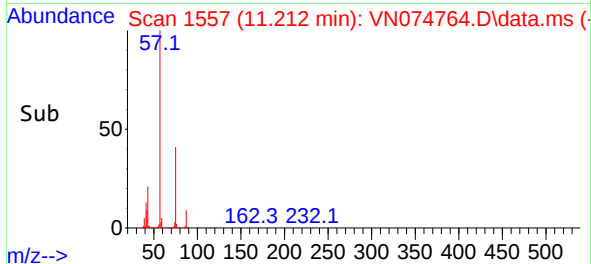
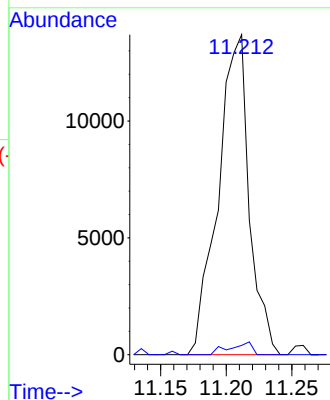
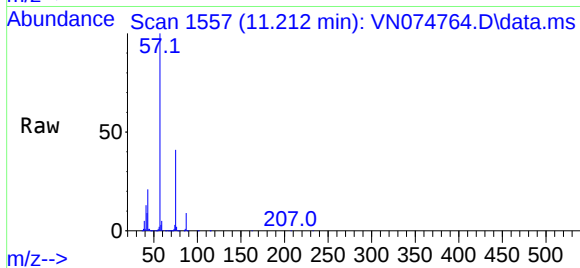
PB148097ZHE#01

Tgt Ion: 76 Resp: 22617

Ion Ratio Lower Upper

76 100

78 2.8 26.2 39.2#



#59

2-Hexanone

Concen: 49.198 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN074764.D

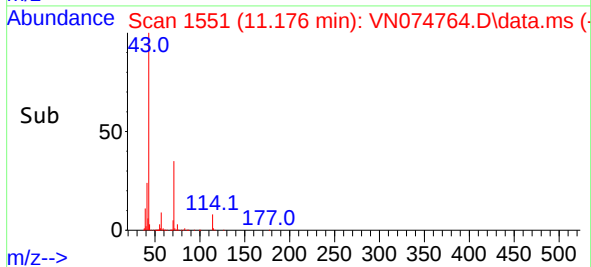
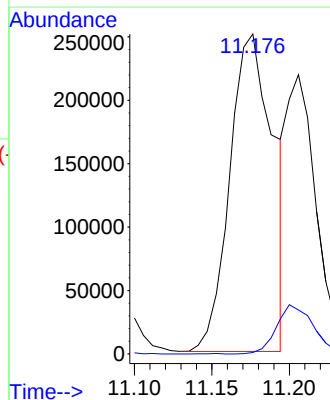
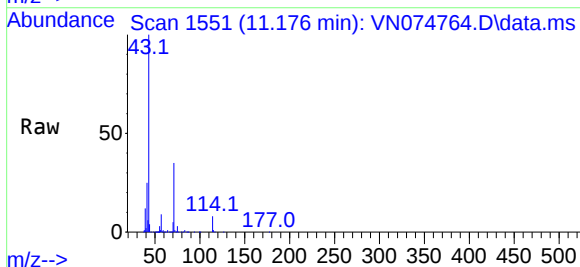
Acq: 06 Oct 2022 02:03

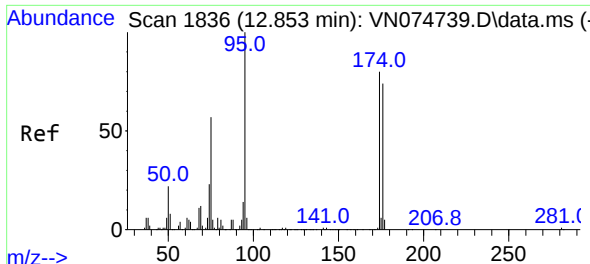
Tgt Ion: 43 Resp: 487093

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.9#

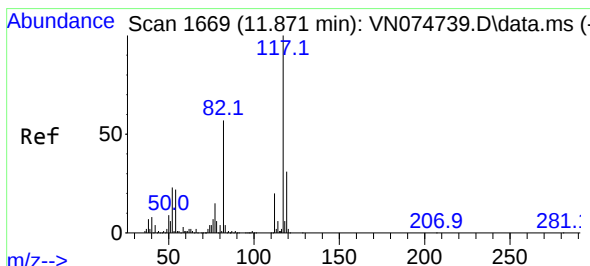
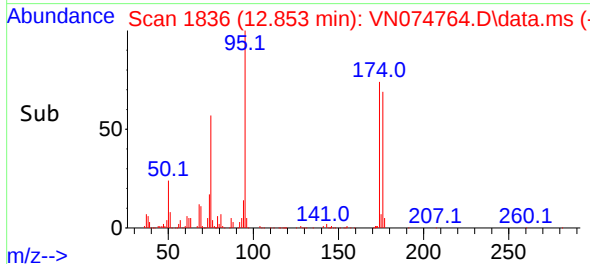
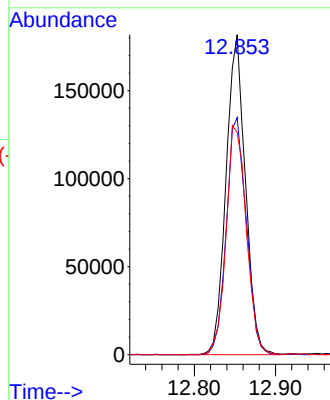
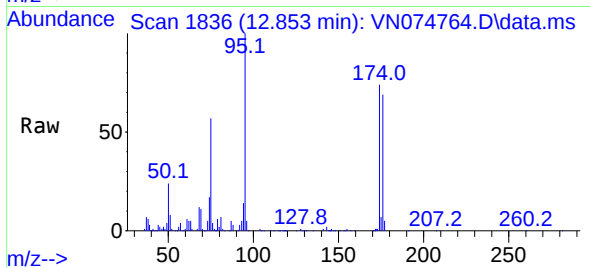




#62
4-Bromofluorobenzene
Concen: 45.472 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

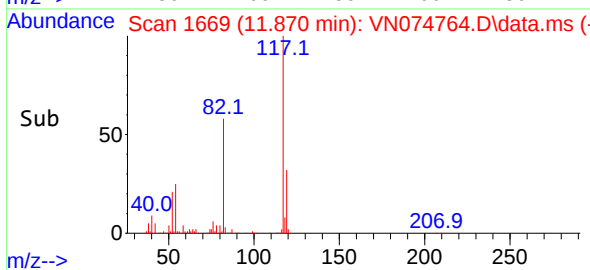
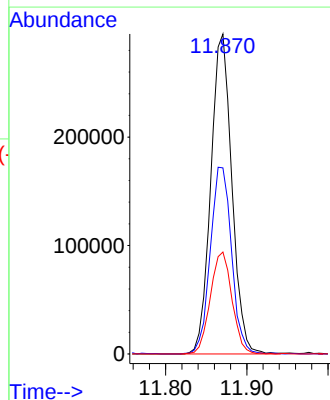
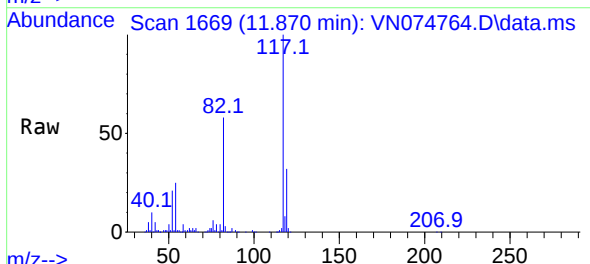
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

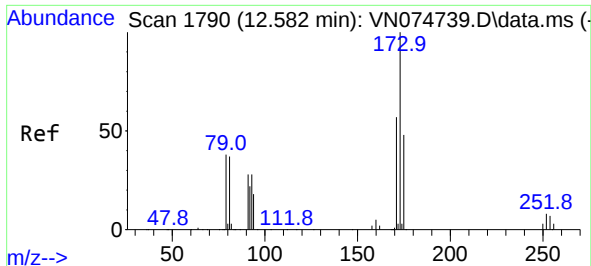
Tgt Ion: 95 Resp: 300491
Ion Ratio Lower Upper
95 100
174 76.9 0.0 149.4
176 75.3 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion: 117 Resp: 531492
Ion Ratio Lower Upper
117 100
82 58.2 45.4 68.2
119 31.8 25.1 37.7

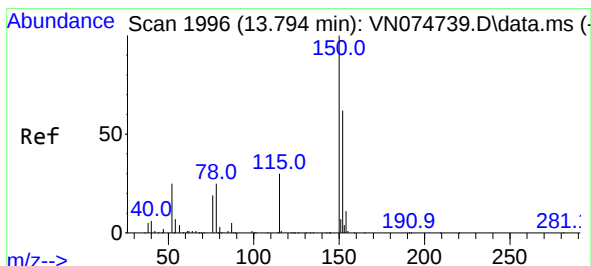
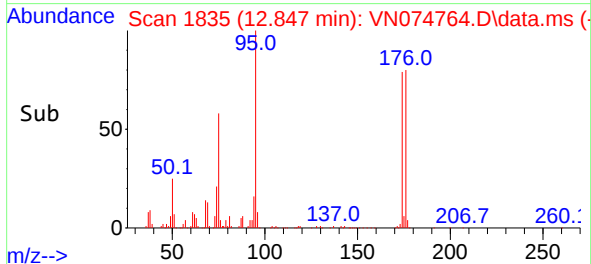
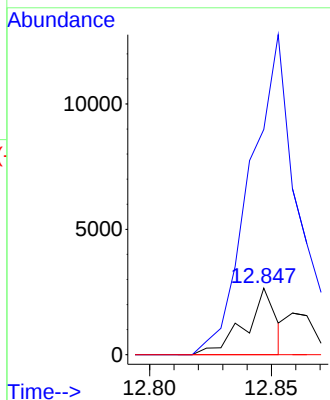
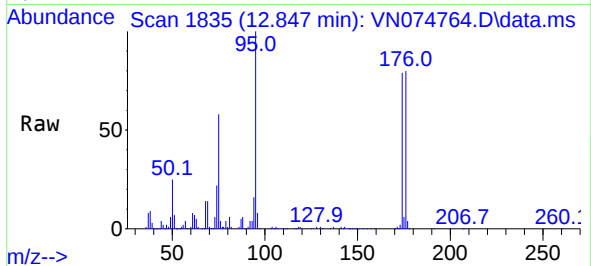




#71
Bromoform
Concen: 0.511 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.264 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

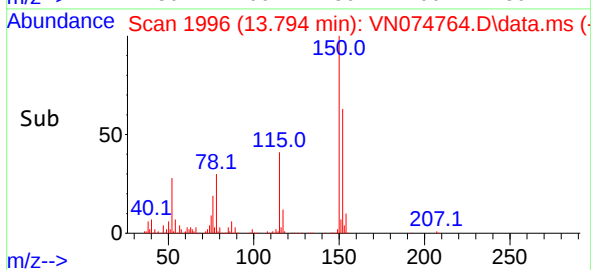
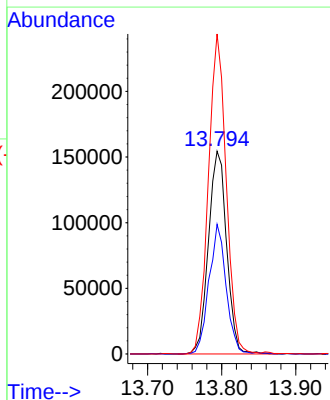
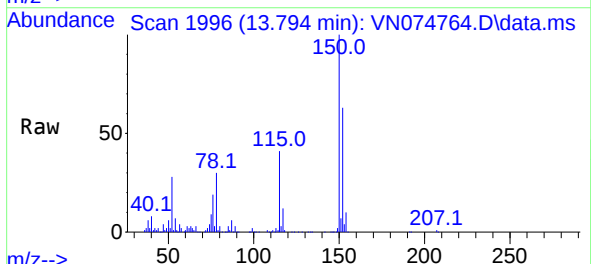
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

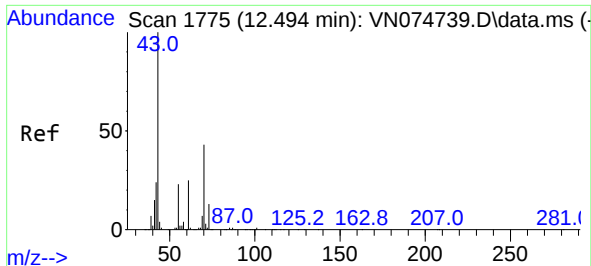
Tgt Ion:173 Resp: 2319
Ion Ratio Lower Upper
173 100
175 627.3 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion:152 Resp: 263569
Ion Ratio Lower Upper
152 100
115 60.6 30.0 90.0
150 154.4 0.0 356.4



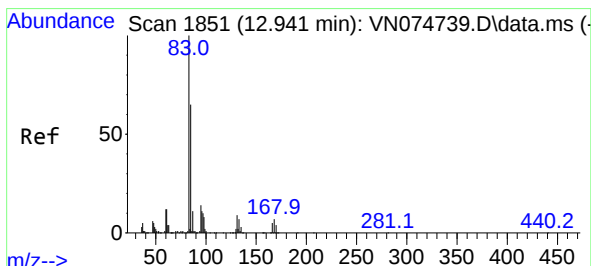
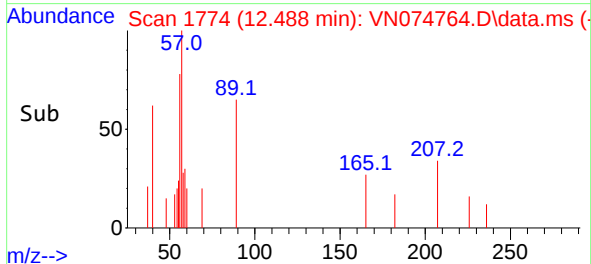
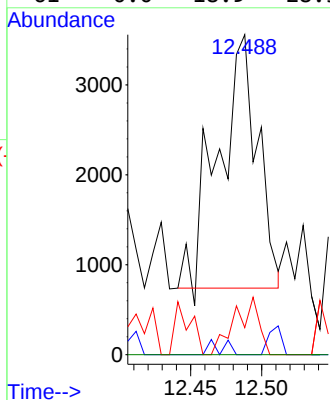
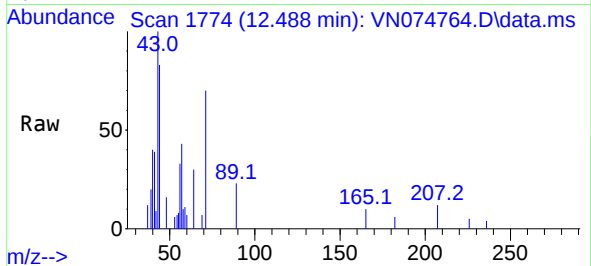


#74
N-amy1 acetate
Concen: 0.354 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

Tgt Ion: 43 Resp: 5430

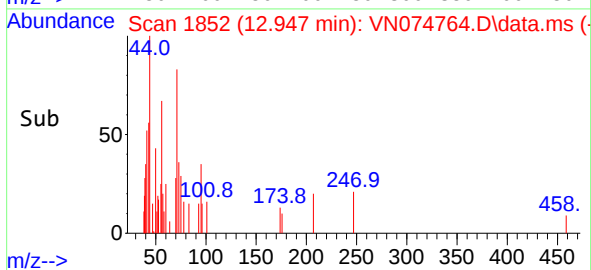
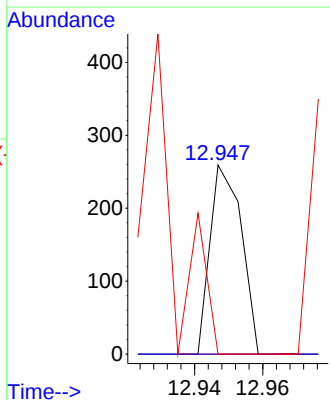
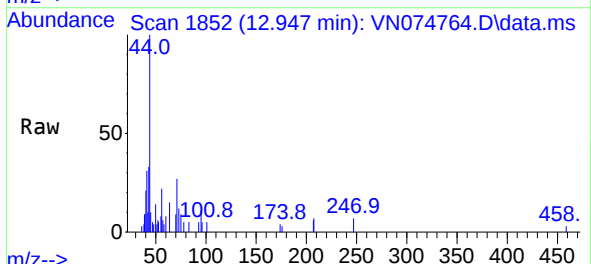
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.9	49.3#
55	14.0	17.8	26.6#
61	0.0	18.9	28.3#

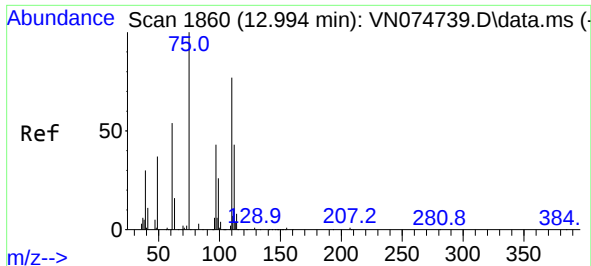


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion: 83 Resp: 165

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.3	12.8#
85	169.1	32.9	98.6#

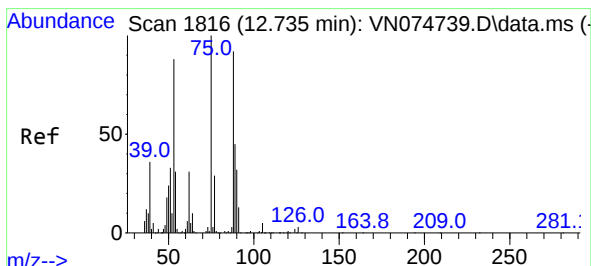
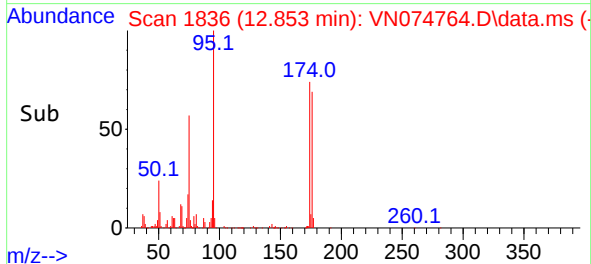
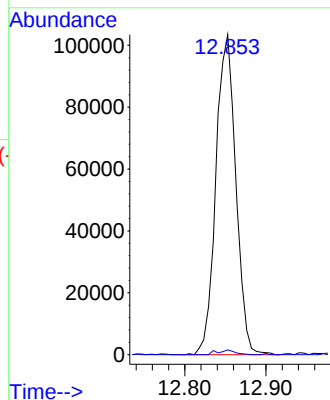
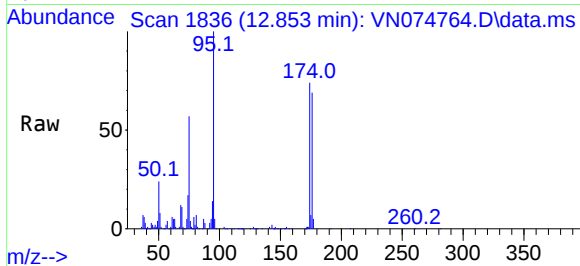




#76
1,2,3-Trichloropropane
Concen: 22.451 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

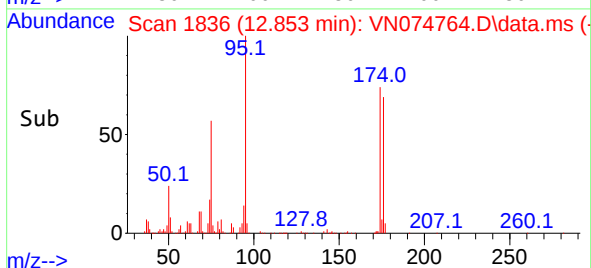
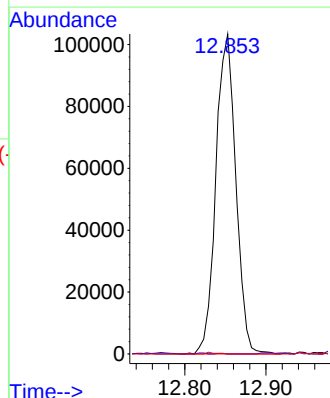
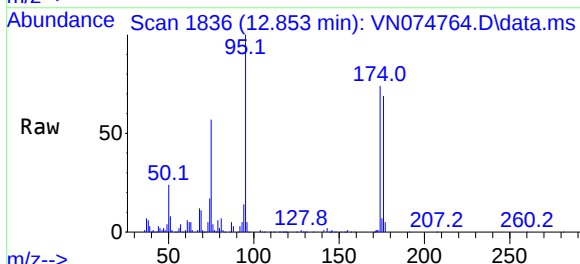
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

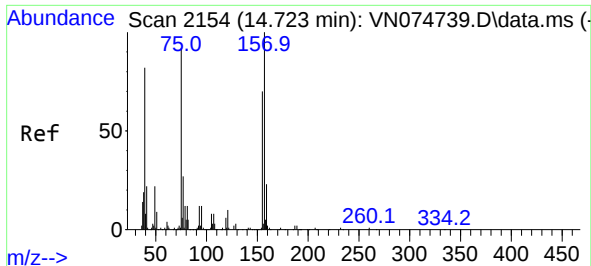
Tgt Ion: 75 Resp: 176617
Ion Ratio Lower Upper
75 100
77 1.3 76.9 230.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 43.743 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

Tgt Ion: 75 Resp: 176617
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.0 32.1 48.1#

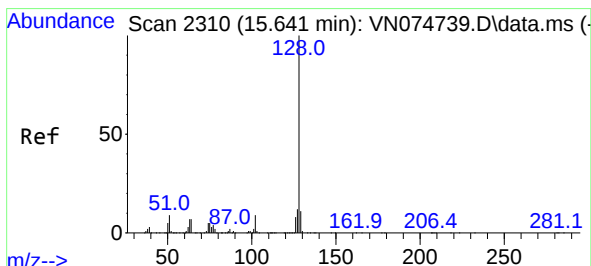
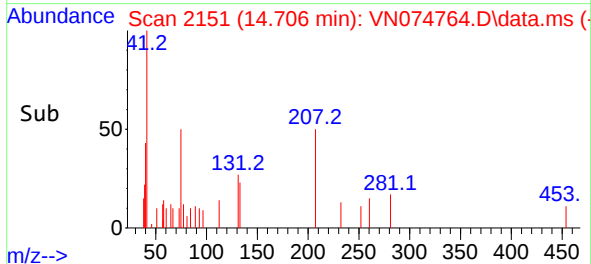
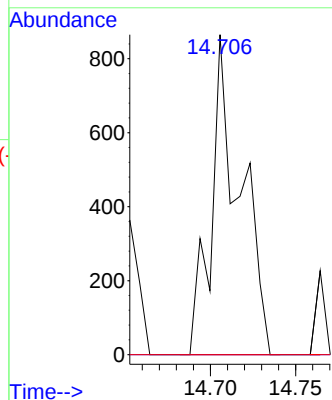
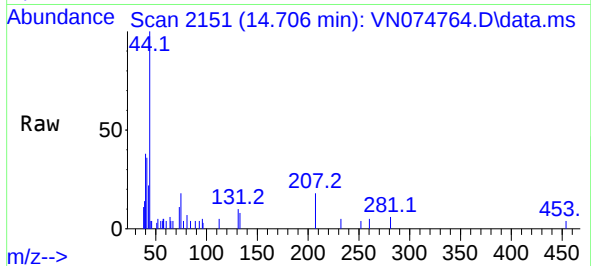




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.487 ug/l
RT: 14.706 min Scan# 2154
Delta R.T. -0.017 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

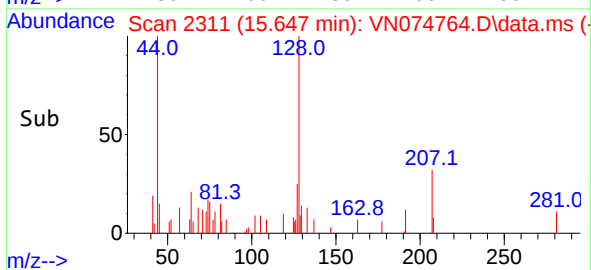
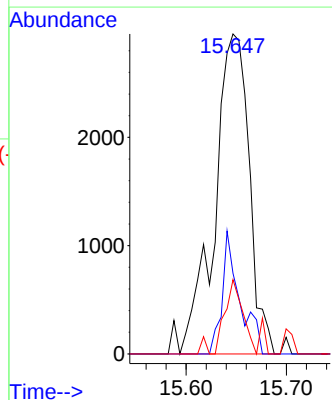
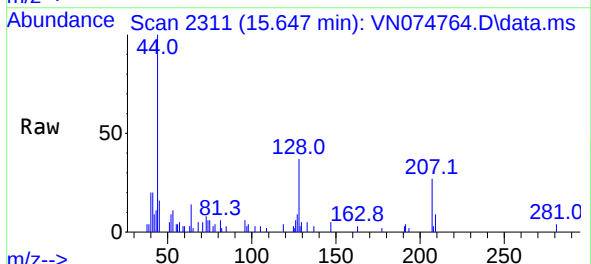
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#01

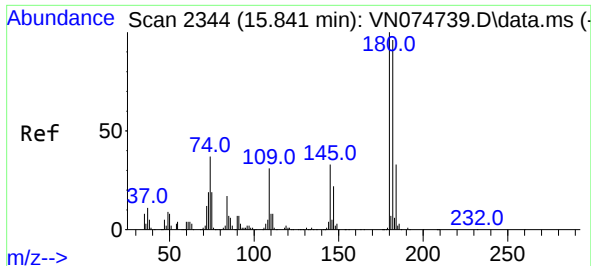
Tgt Ion: 75 Resp: 1023
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.8#
157 0.0 51.3 153.9#



#95
Naphthalene
Concen: 0.385 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074764.D
Acq: 06 Oct 2022 02:03

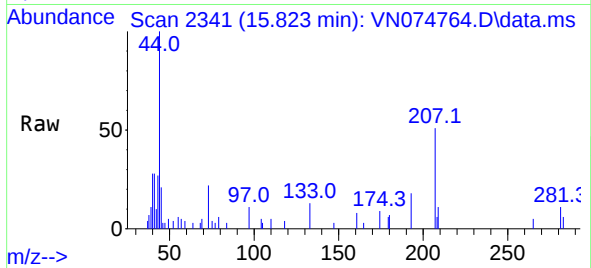
Tgt Ion: 128 Resp: 7059
Ion Ratio Lower Upper
128 100
127 19.6 10.2 15.2#
129 12.0 9.0 13.4





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.823 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: VN074764.D
 Acq: 06 Oct 2022 02:03

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148097ZHE#01



Tgt Ion:180 Resp: 202
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 17.1 51.2#

