

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101722\
 Data File : VN074927.D
 Acq On : 17 Oct 2022 19:45
 Operator : JC\MD
 Sample : N5149-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-TB-20221011

Quant Time: Oct 18 03:09:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 16:03:54 2022
 Response via : Initial Calibration

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

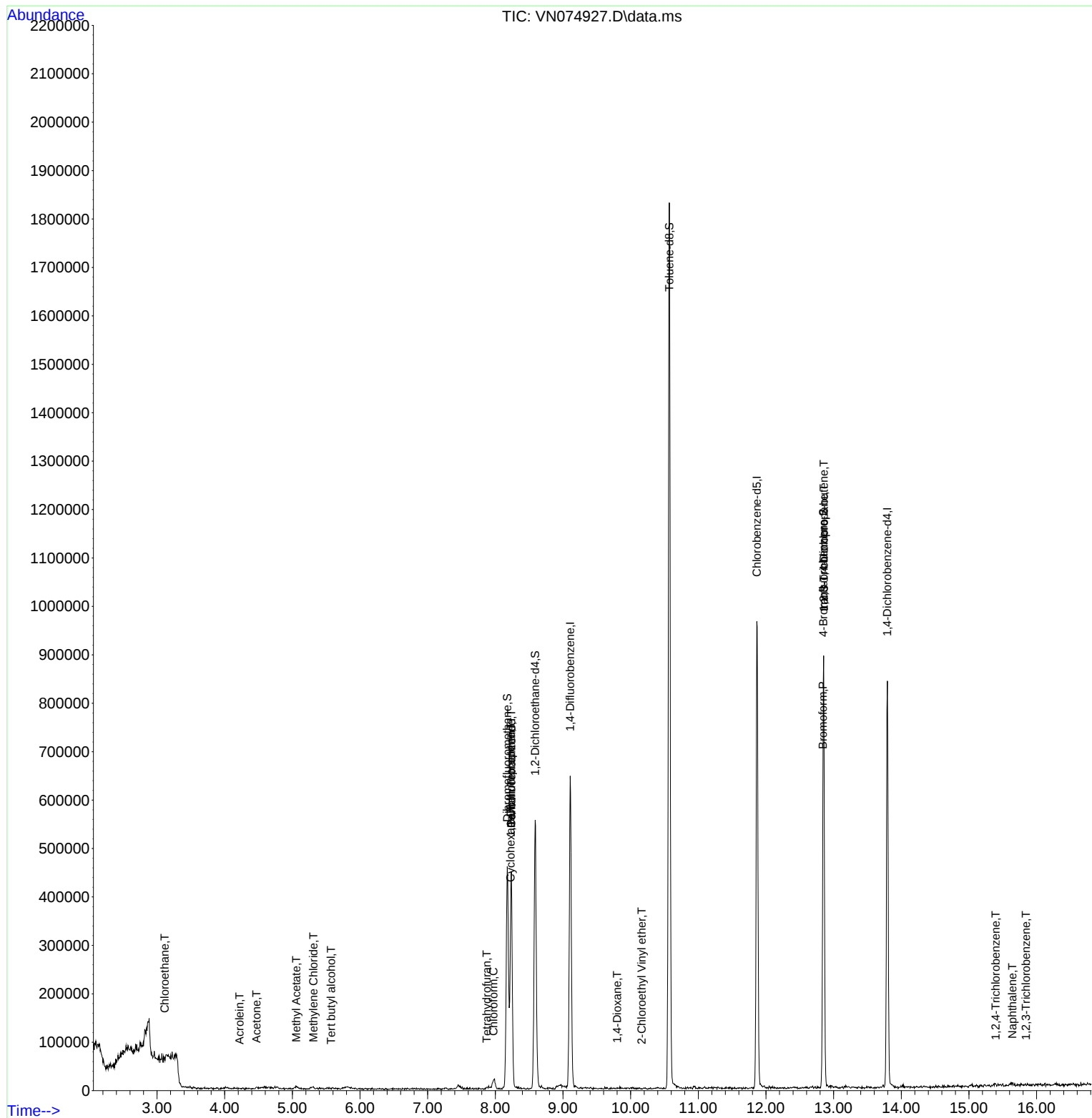
Internal Standards						
1) Pentafluorobenzene	8.235	168	304770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	539192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	524377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	204178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	399566	49.701	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.400%		
35) Dibromofluoromethane	8.177	113	316576	52.221	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.440%		
50) Toluene-d8	10.571	98	1237927	49.243	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.480%		
62) 4-Bromofluorobenzene	12.847	95	266910	36.545	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	73.100%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	3015	Below Cal	#	42
5) Bromomethane	2.953	94	2704	Below Cal	#	50
6) Chloroethane	3.112	64	2095	0.216	ug/l #	72
11) Tert butyl alcohol	5.571	59	683	0.390	ug/l #	73
13) Acrolein	4.218	56	886	0.514	ug/l	99
16) Acetone	4.471	43	2568	0.679	ug/l #	82
18) Methyl Acetate	5.059	43	10691	0.911	ug/l #	88
20) Methylene Chloride	5.312	84	1667	0.238	ug/l #	81
29) Tetrahydrofuran	7.871	42	934	0.218	ug/l #	55
30) Chloroform	7.971	83	18274	1.554	ug/l #	76
31) Cyclohexane	8.224	56	9232	0.888	ug/l #	63
36) 1,1-Dichloropropene	8.230	75	30083	3.779	ug/l #	46
38) Carbon Tetrachloride	8.235	117	34660	4.302	ug/l #	19
49) 1,4-Dioxane	9.800	88	127	0.772	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.165	63	232	9.407	ug/l #	49
71) Bromoform	12.841	173	4239	1.078	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	158373	27.443	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	158373	65.965	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.394	180	1088	0.332	ug/l #	43
95) Naphthalene	15.641	128	5163	0.365	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.841	180	1198	0.350	ug/l #	40

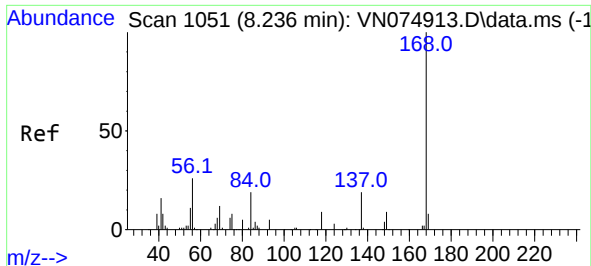
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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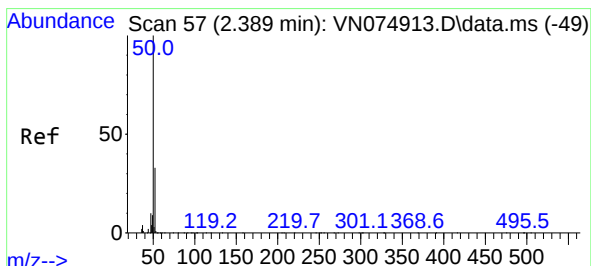
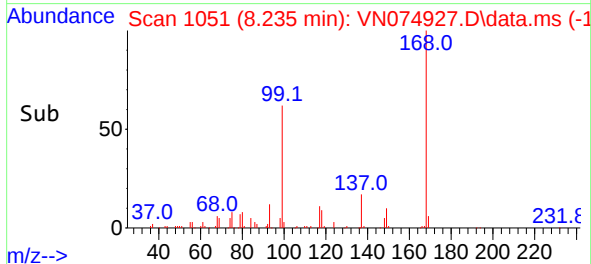
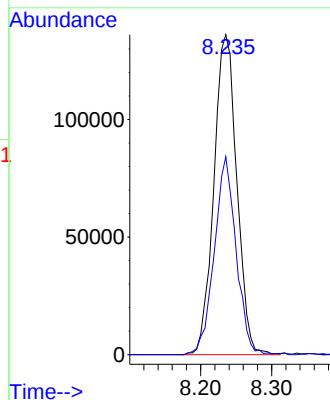
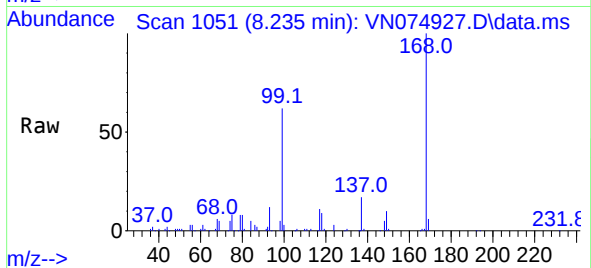




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

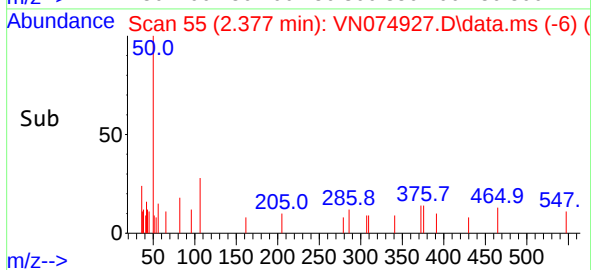
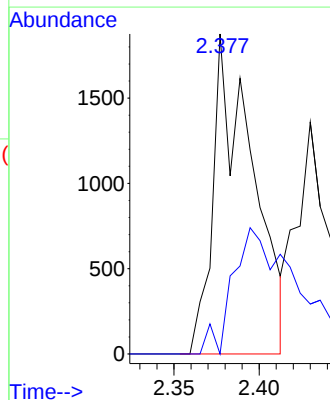
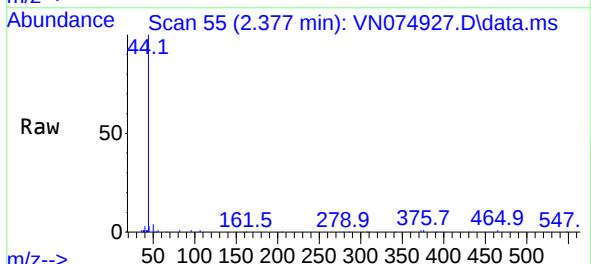
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20221011

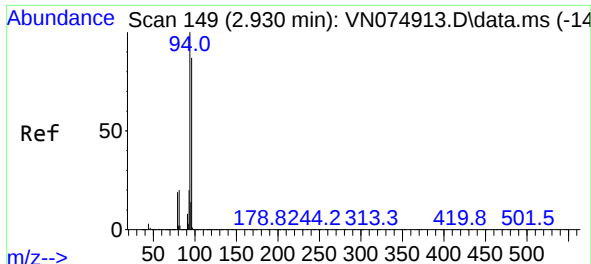
Tgt Ion:168 Resp: 304770
Ion Ratio Lower Upper
168 100
99 61.9 47.6 71.4



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 55
Delta R.T. -0.012 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion: 50 Resp: 3015
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

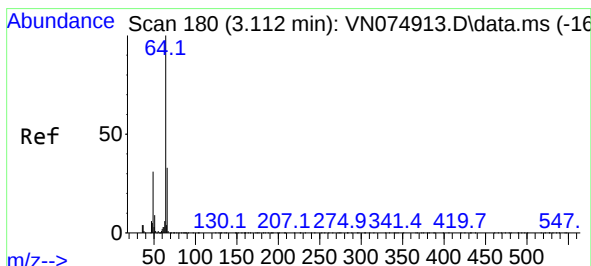
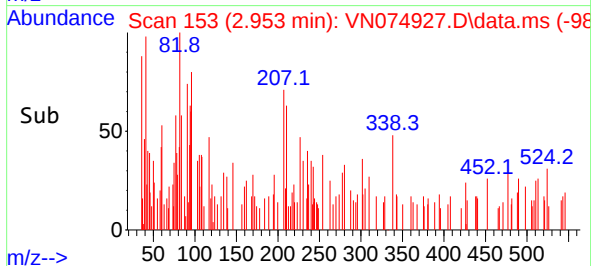
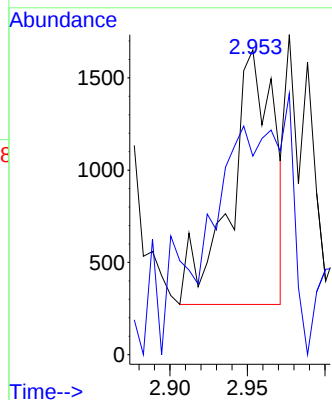
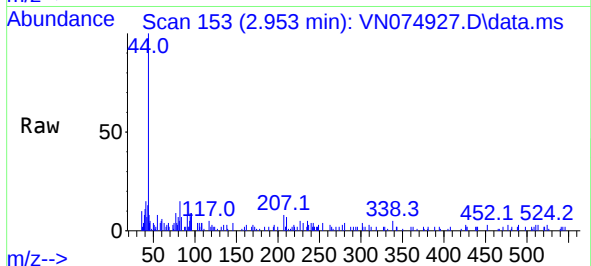




#5
Bromomethane
Concen: Below Cal
RT: 2.953 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

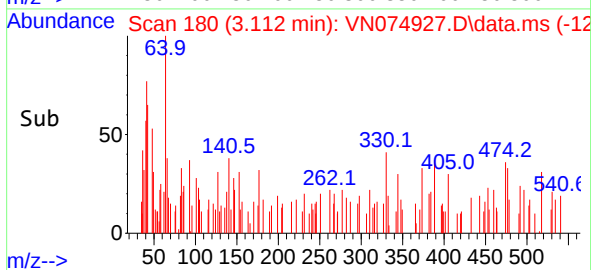
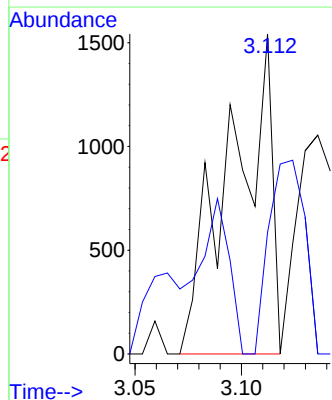
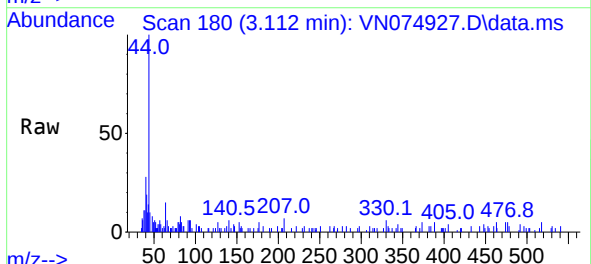
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20221011

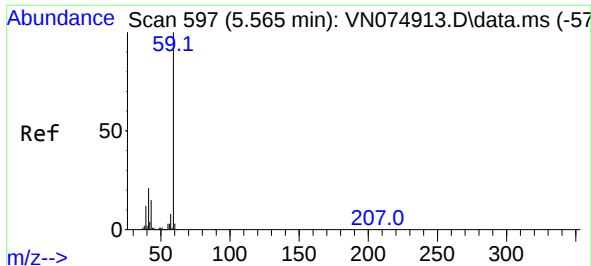
Tgt Ion: 94 Resp: 2704
Ion Ratio Lower Upper
94 100
96 41.2 70.0 105.0#



#6
Chloroethane
Concen: 0.216 ug/l
RT: 3.112 min Scan# 180
Delta R.T. -0.000 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion: 64 Resp: 2095
Ion Ratio Lower Upper
64 100
66 17.7 26.8 40.2#

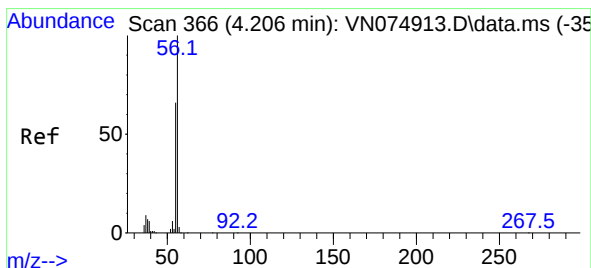
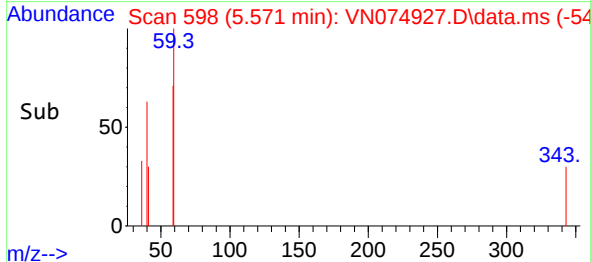
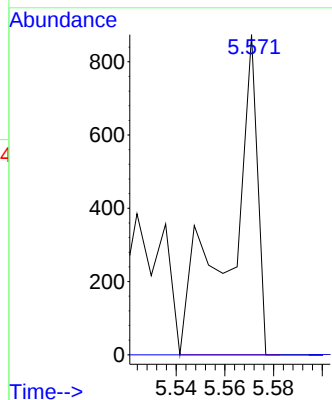
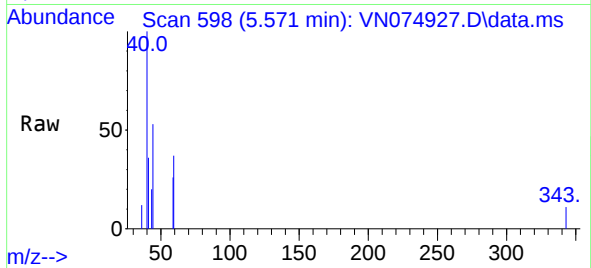




#11
Tert butyl alcohol
Concen: 0.390 ug/l
RT: 5.571 min Scan# 59
Delta R.T. 0.006 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

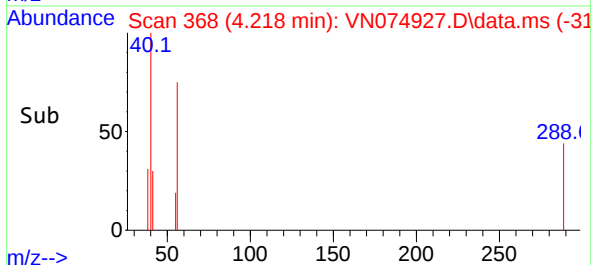
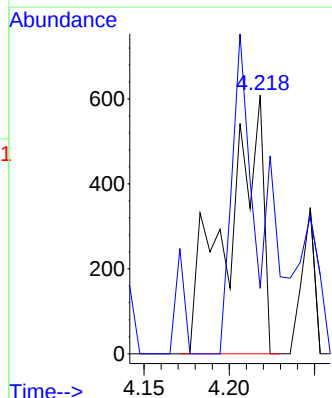
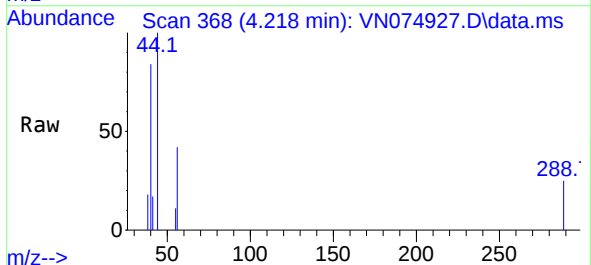
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20221011

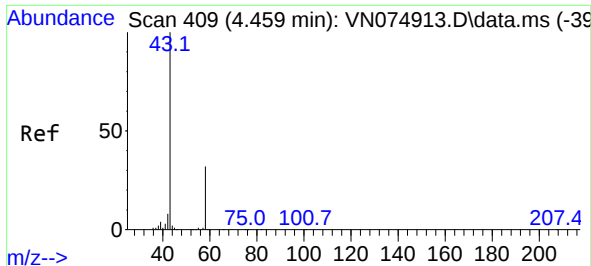
Tgt Ion: 59 Resp: 683
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.514 ug/l
RT: 4.218 min Scan# 368
Delta R.T. 0.012 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion: 56 Resp: 886
Ion Ratio Lower Upper
56 100
55 66.0 53.4 80.0

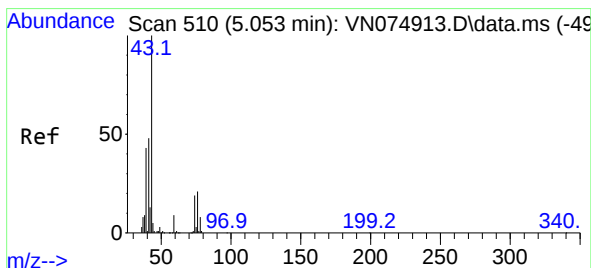
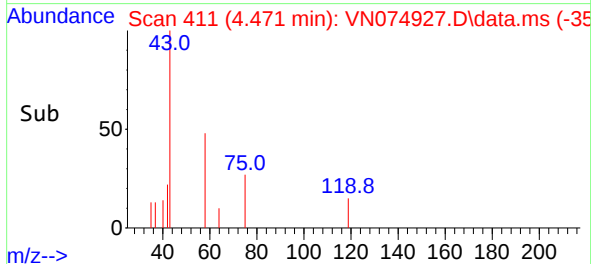
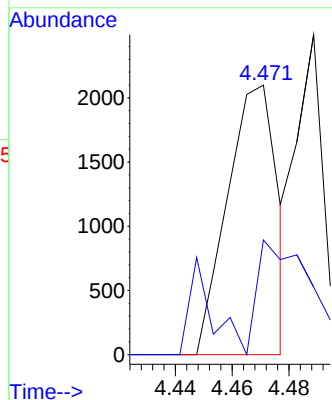
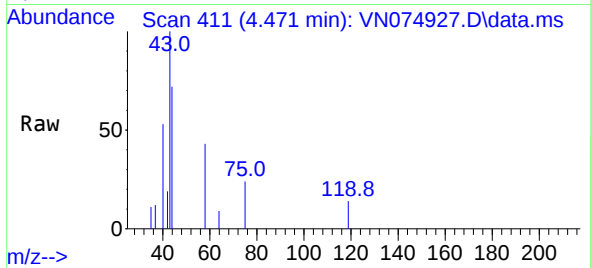




#16
Acetone
Concen: 0.679 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

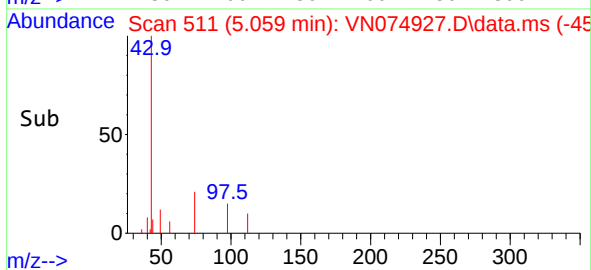
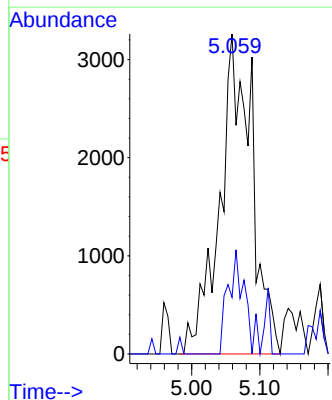
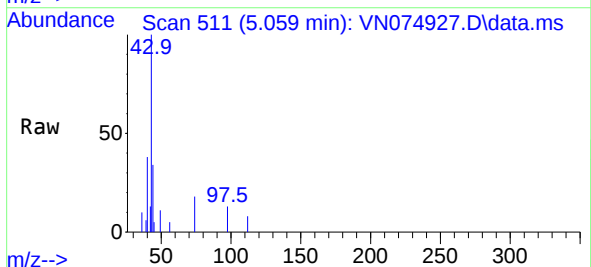
Instrument :
MSVOA_N
ClientSampleId :
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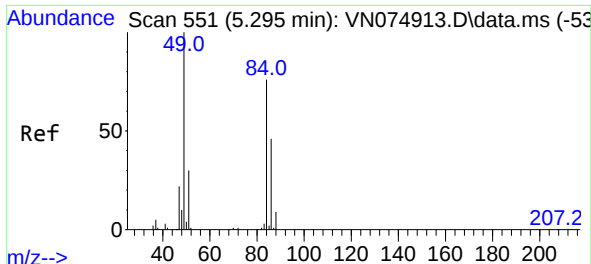
Tgt Ion: 43 Resp: 2568
Ion Ratio Lower Upper
43 100
58 42.5 25.8 38.8#



#18
Methyl Acetate
Concen: 0.911 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion: 43 Resp: 10691
Ion Ratio Lower Upper
43 100
74 15.7 17.0 25.6#



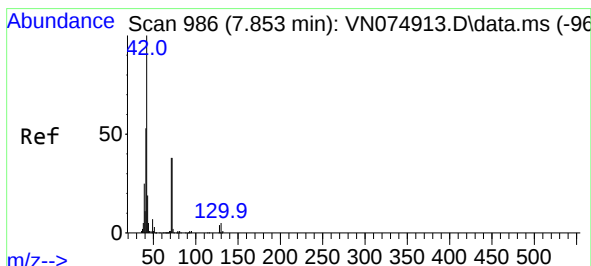
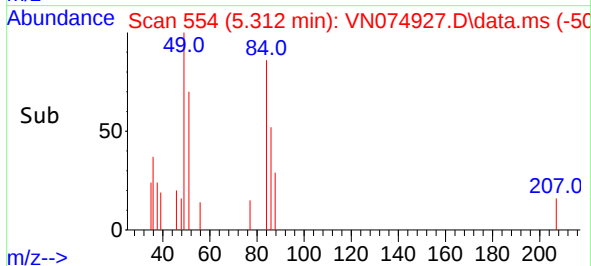
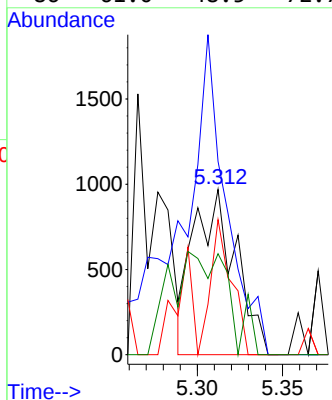
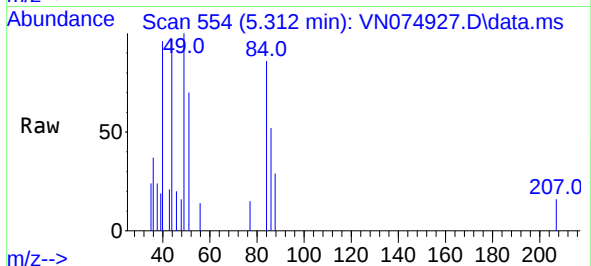


#20
Methylene Chloride
Concen: 0.238 ug/l
RT: 5.312 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20221011

Tgt Ion: 84 Resp: 1667

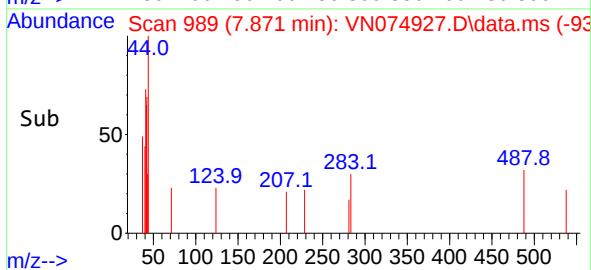
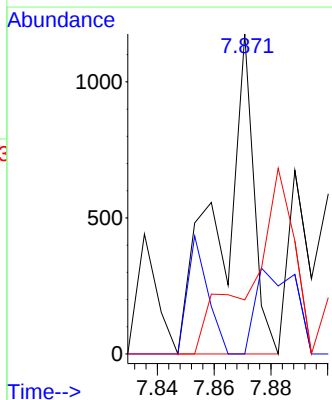
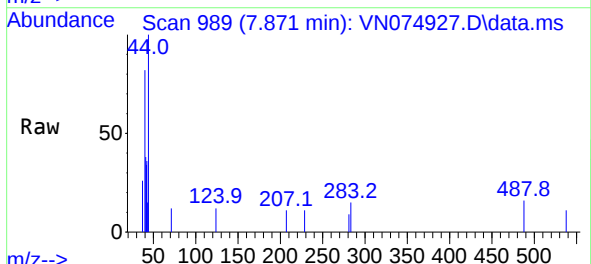
Ion	Ratio	Lower	Upper
84	100		
49	116.9	104.6	156.8
51	81.6	31.8	47.8#
86	61.0	48.5	72.7

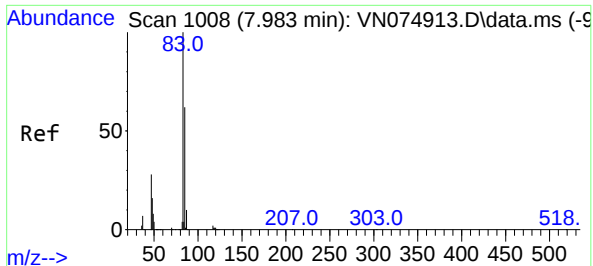


#29
Tetrahydrofuran
Concen: 0.218 ug/l
RT: 7.871 min Scan# 989
Delta R.T. 0.018 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion: 42 Resp: 934

Ion	Ratio	Lower	Upper
42	100		
72	23.0	32.8	49.2#
71	0.0	30.7	46.1#





#30

Chloroform

Concen: 1.554 ug/l

RT: 7.971 min Scan# 1049

Delta R.T. -0.012 min

Lab File: VN074927.D

Acq: 17 Oct 2022 19:45

Instrument :

MSVOA_N

ClientSampleId :

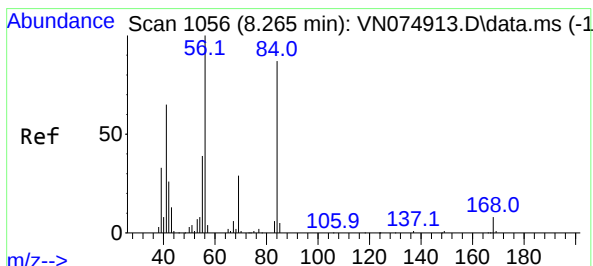
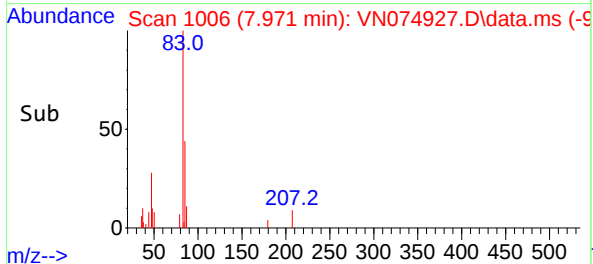
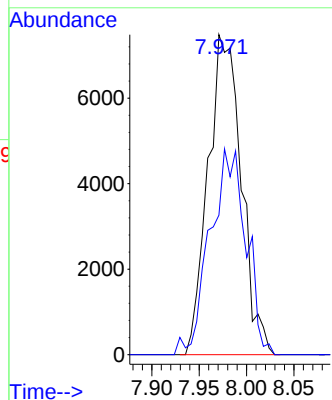
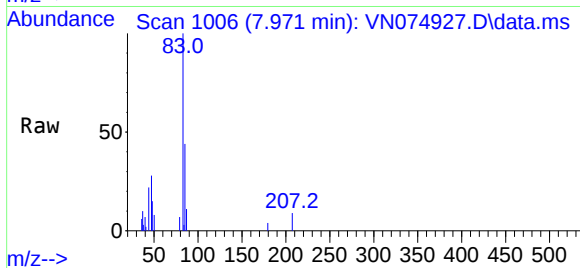
BP-VPB-RW5-TB-20221011

Tgt Ion: 83 Resp: 18274

Ion Ratio Lower Upper

83 100

85 43.6 49.4 74.0#



#31

Cyclohexane

Concen: 0.888 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN074927.D

Acq: 17 Oct 2022 19:45

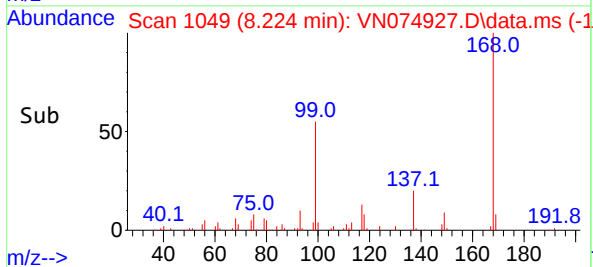
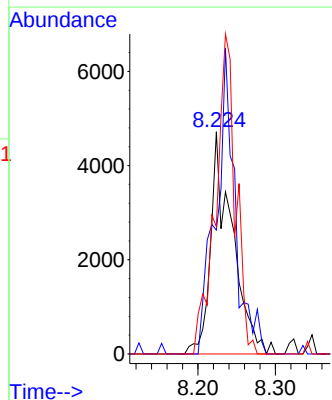
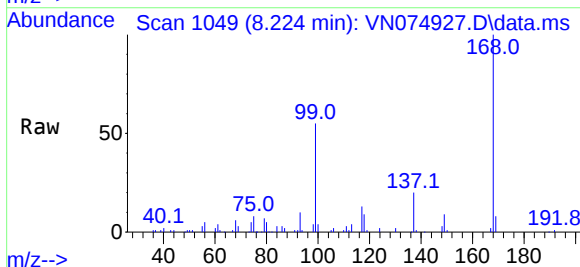
Tgt Ion: 56 Resp: 9232

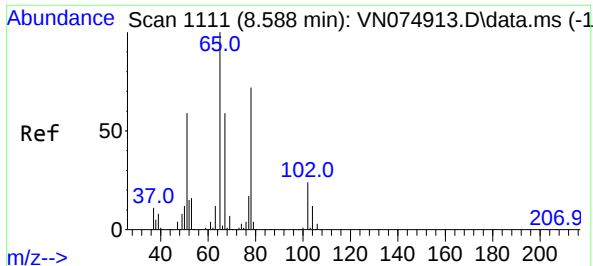
Ion Ratio Lower Upper

56 100

69 55.7 23.4 35.0#

84 57.3 69.9 104.9#

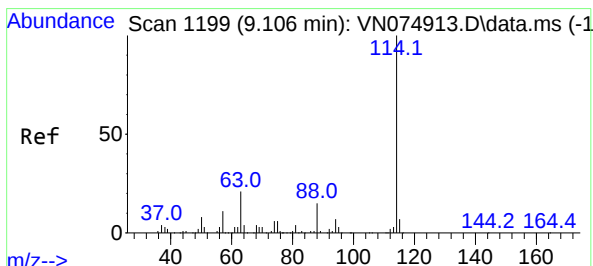
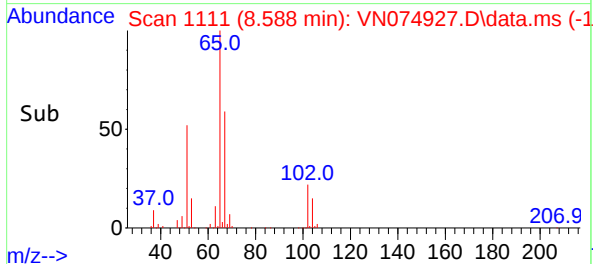
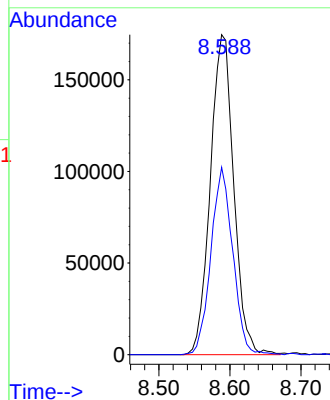
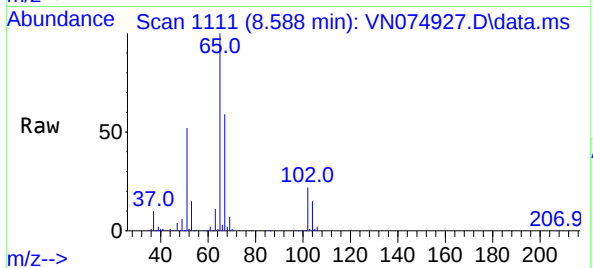




#33
1,2-Dichloroethane-d4
Concen: 49.701 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

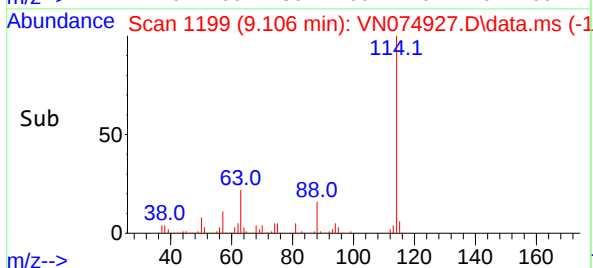
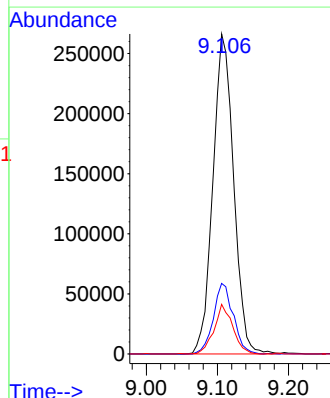
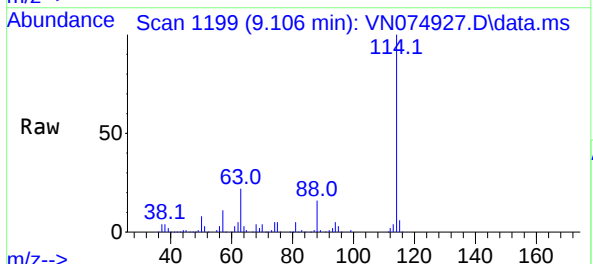
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20221011

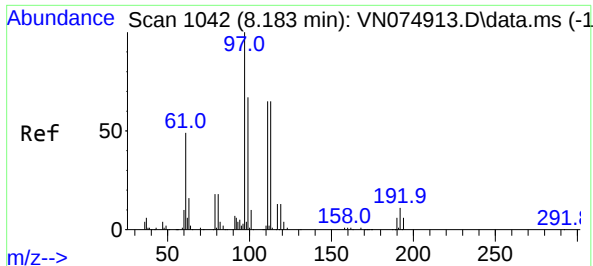
Tgt Ion: 65 Resp: 399566
Ion Ratio Lower Upper
65 100
67 54.7 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion: 114 Resp: 539192
Ion Ratio Lower Upper
114 100
63 22.1 0.0 41.2
88 15.4 0.0 30.2

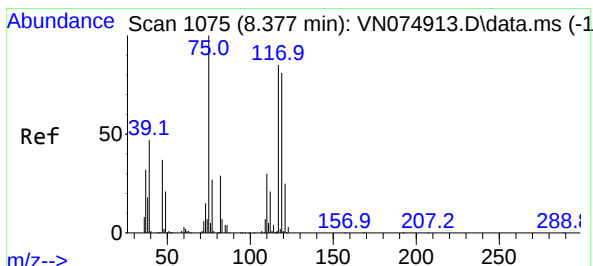
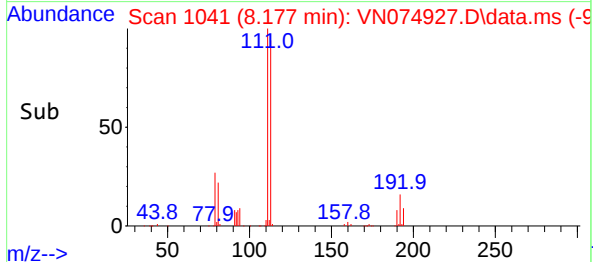
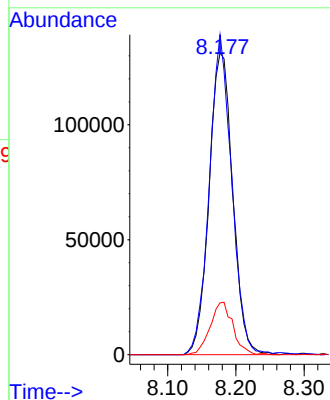
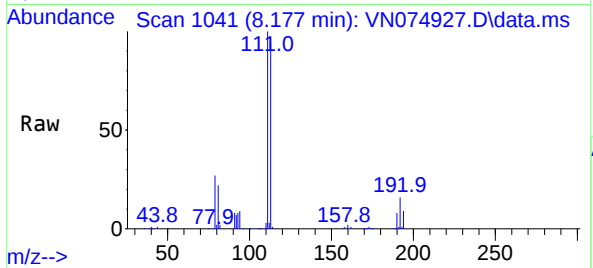




#35
Dibromofluoromethane
Concen: 52.221 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

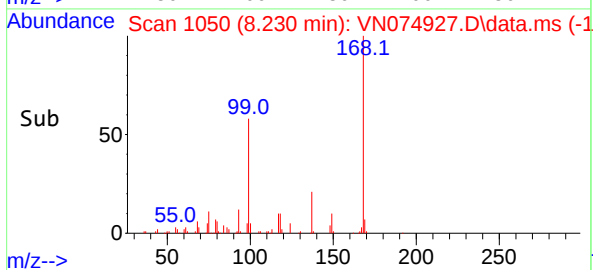
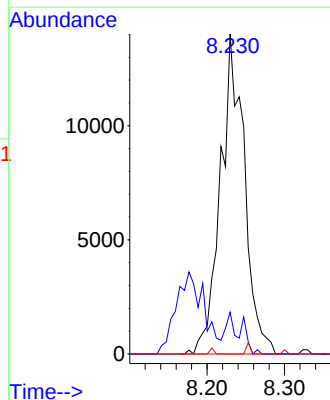
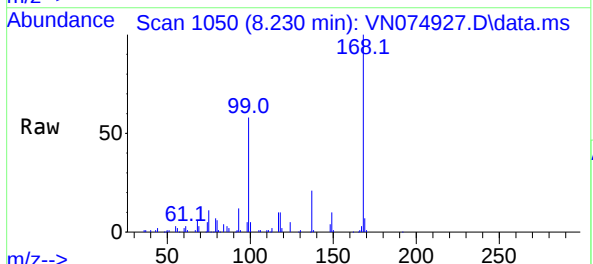
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20221011

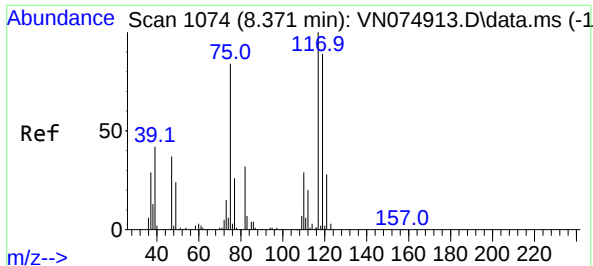
Tgt Ion:113 Resp: 316576
Ion Ratio Lower Upper
113 100
111 100.4 82.9 124.3
192 16.8 14.2 21.2



#36
1,1-Dichloropropene
Concen: 3.779 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion: 75 Resp: 30083
Ion Ratio Lower Upper
75 100
110 2.6 16.1 48.3#
77 0.0 23.3 34.9#

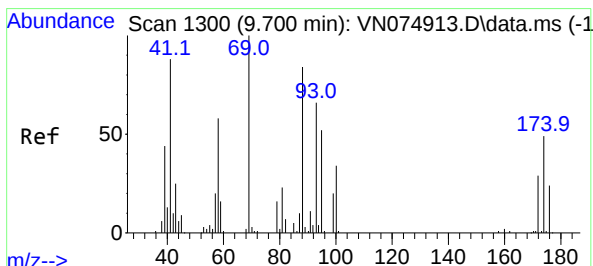
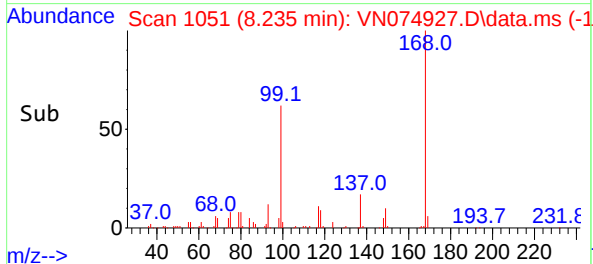
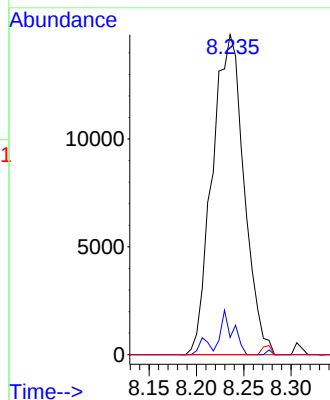
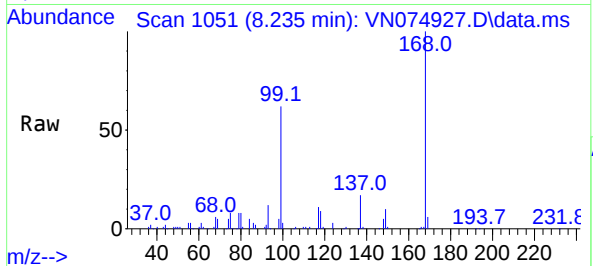




#38
Carbon Tetrachloride
Concen: 4.302 ug/l
RT: 8.235 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

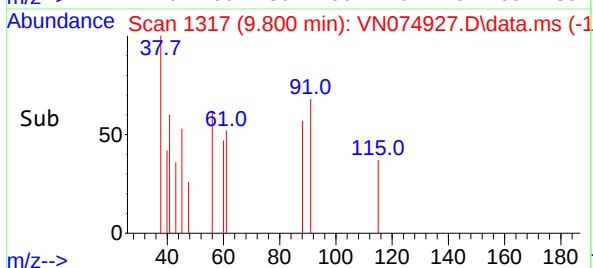
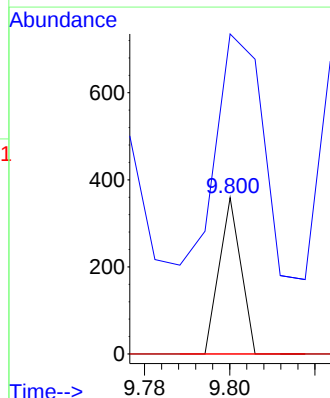
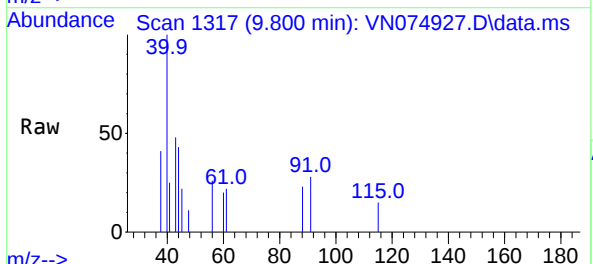
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20221011

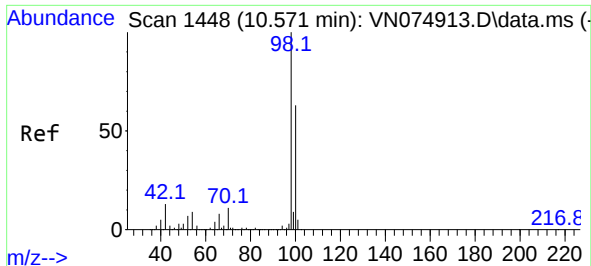
Tgt Ion:117 Resp: 34660
Ion Ratio Lower Upper
117 100
119 5.4 71.0 106.6#
121 0.0 22.2 33.4#



#49
1,4-Dioxane
Concen: 0.772 ug/l
RT: 9.800 min Scan# 1317
Delta R.T. 0.100 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion: 88 Resp: 127
Ion Ratio Lower Upper
88 100
43 330.7 19.4 29.2#
58 0.0 56.9 85.3#

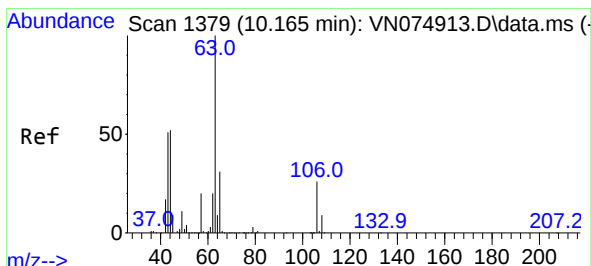
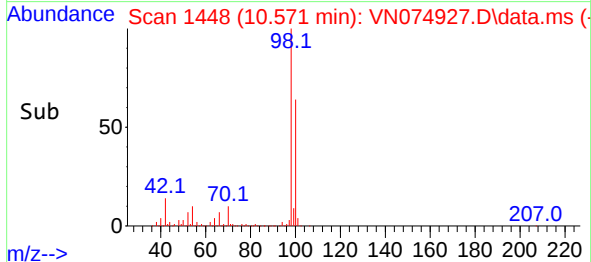
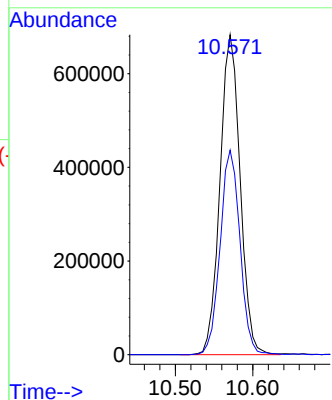
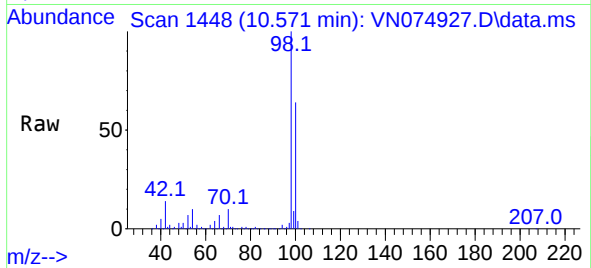




#50
Toluene-d8
Concen: 49.243 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

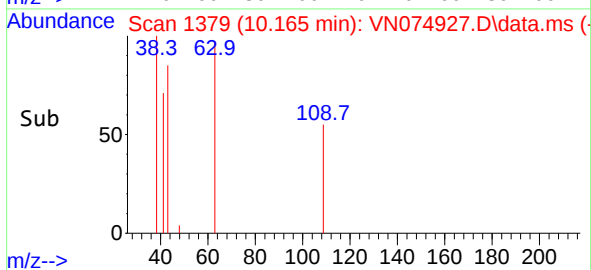
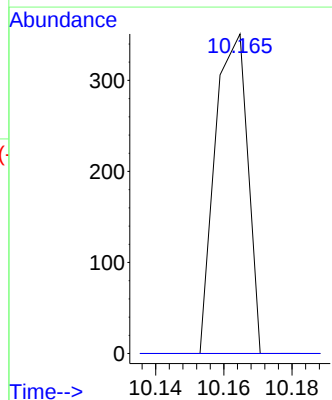
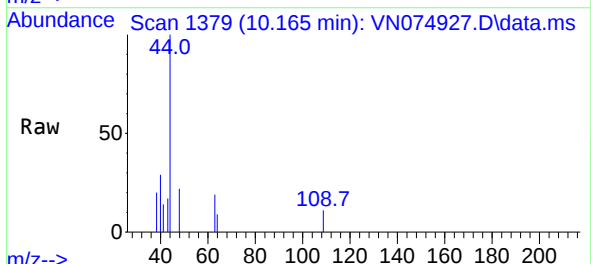
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20221011

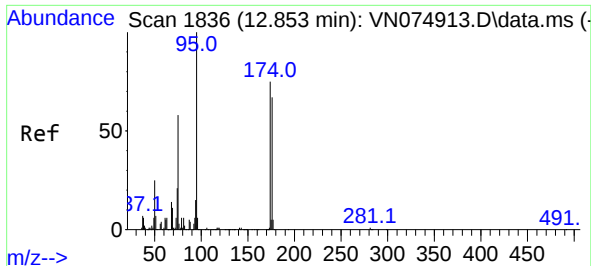
Tgt Ion: 98 Resp: 1237927
Ion Ratio Lower Upper
98 100
100 62.9 50.7 76.1



#58
2-Chloroethyl Vinyl ether
Concen: 9.407 ug/l
RT: 10.165 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion: 63 Resp: 232
Ion Ratio Lower Upper
63 100
106 0.0 20.8 31.2#

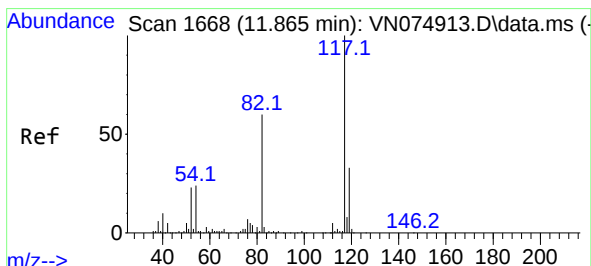
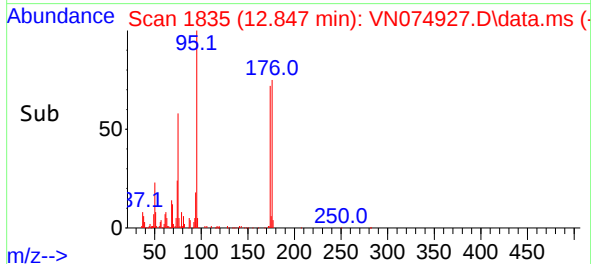
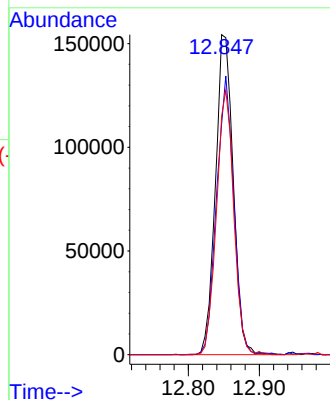
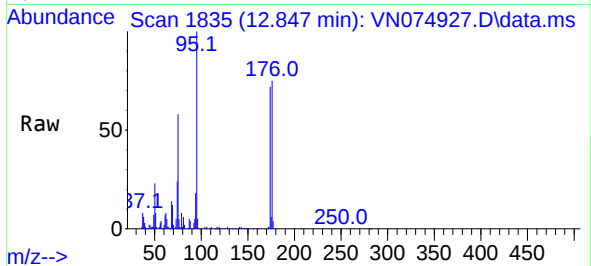




#62
4-Bromofluorobenzene
Concen: 36.545 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

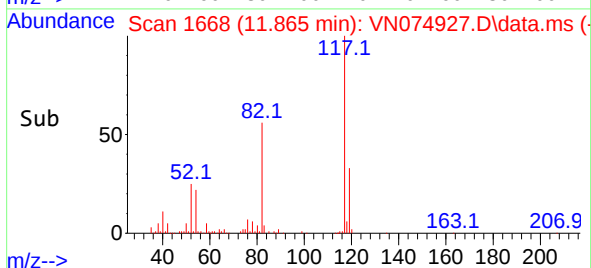
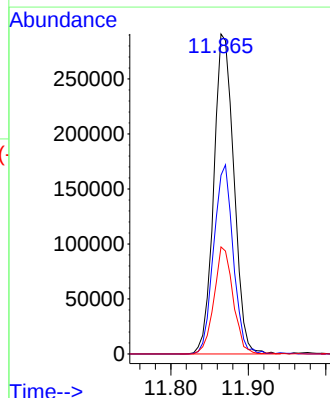
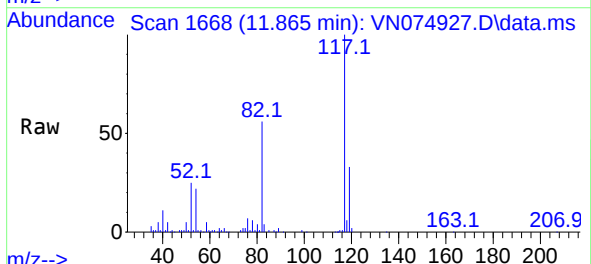
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20221011

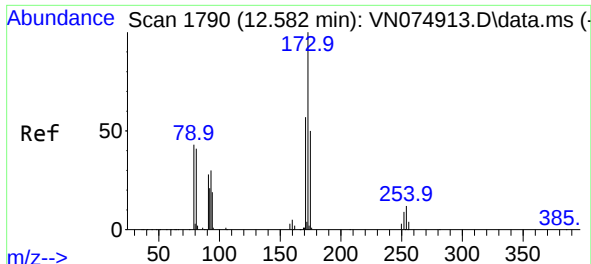
Tgt Ion: 95 Resp: 266910
Ion Ratio Lower Upper
95 100
174 84.9 0.0 157.8
176 80.4 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion: 117 Resp: 524377
Ion Ratio Lower Upper
117 100
82 55.9 48.0 72.0
119 33.4 26.1 39.1

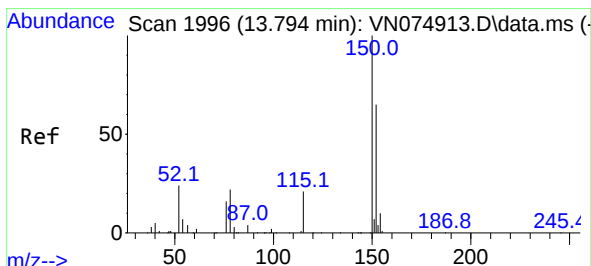
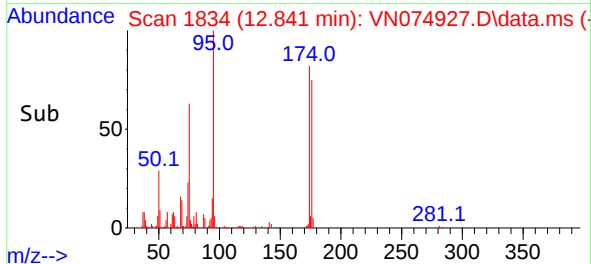
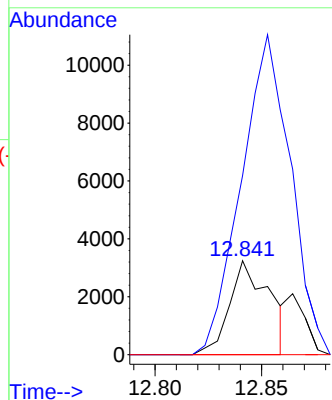
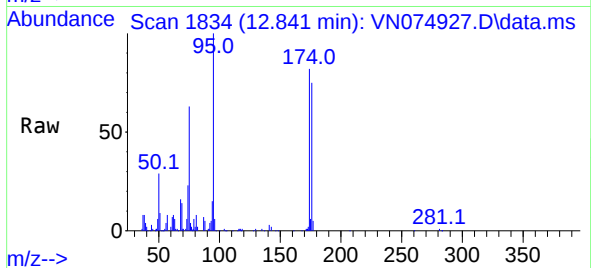




#71
Bromoform
Concen: 1.078 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

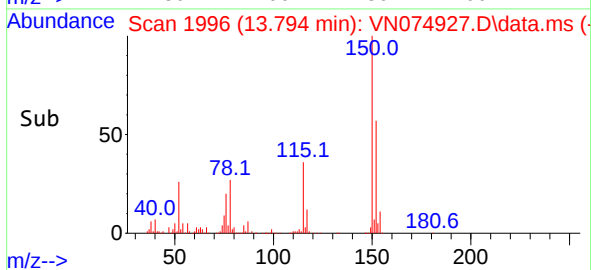
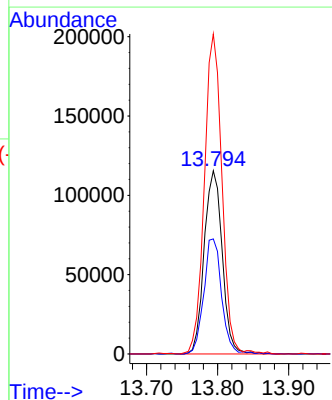
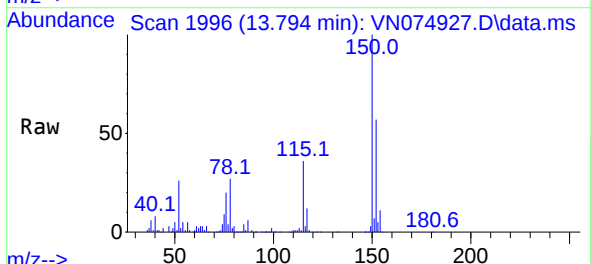
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20221011

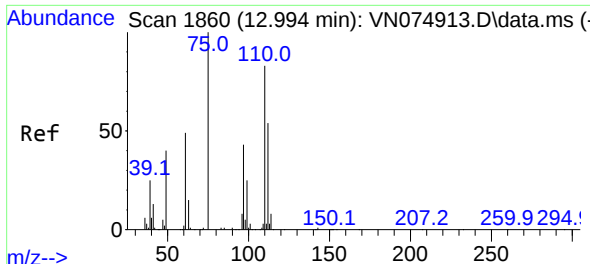
Tgt Ion:173 Resp: 4239
Ion Ratio Lower Upper
173 100
175 338.2 24.5 73.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion:152 Resp: 204178
Ion Ratio Lower Upper
152 100
115 62.2 29.7 89.1
150 170.2 0.0 341.6

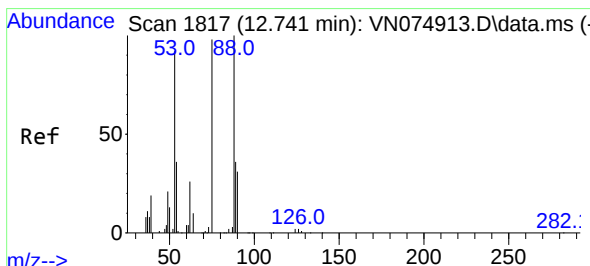
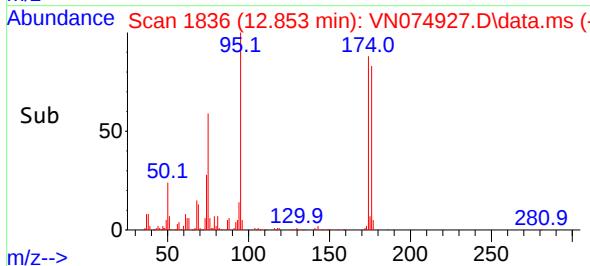
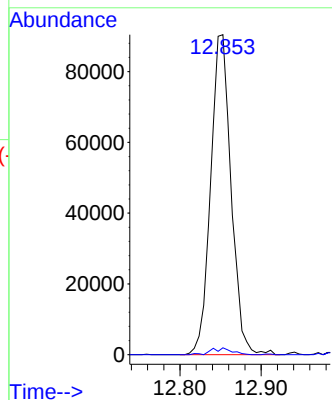
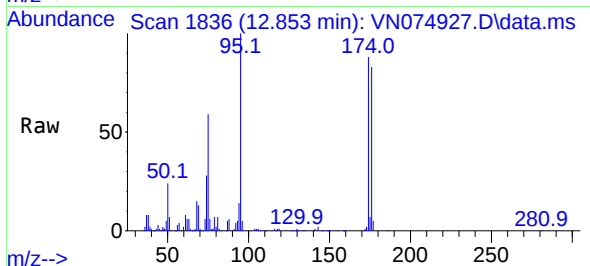




#76
1,2,3-Trichloropropane
Concen: 27.443 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

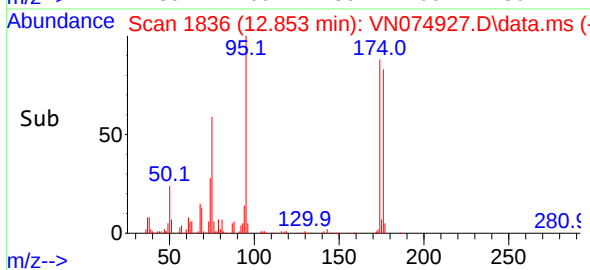
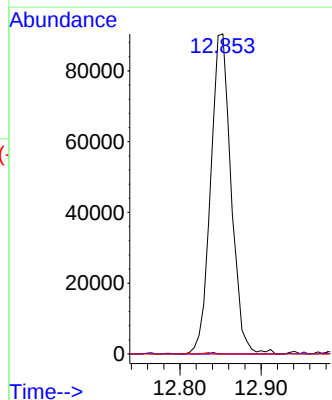
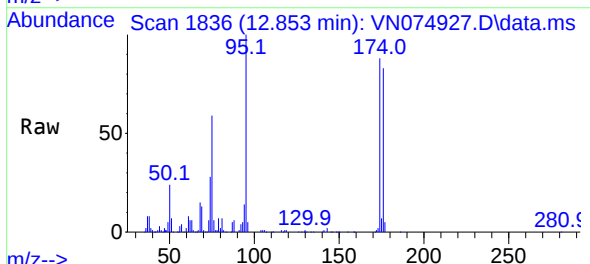
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-TB-20221011

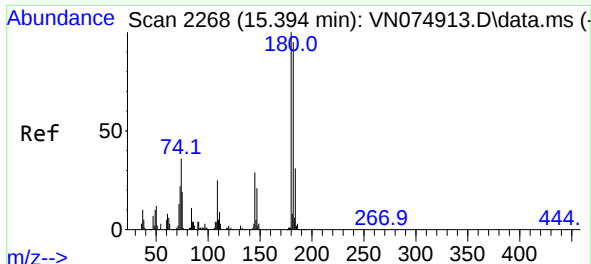
Tgt Ion: 75 Resp: 158373
Ion Ratio Lower Upper
75 100
77 2.1 77.8 233.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.965 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

Tgt Ion: 75 Resp: 158373
Ion Ratio Lower Upper
75 100
53 0.1 82.4 123.6#
89 0.1 34.7 52.1#

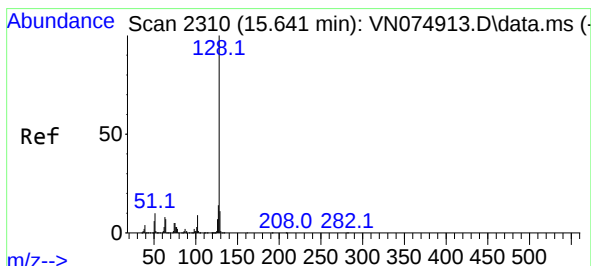
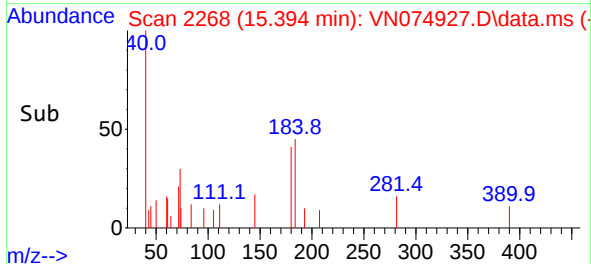
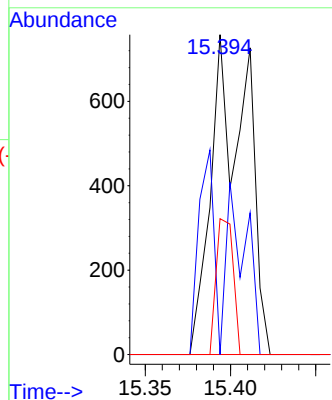
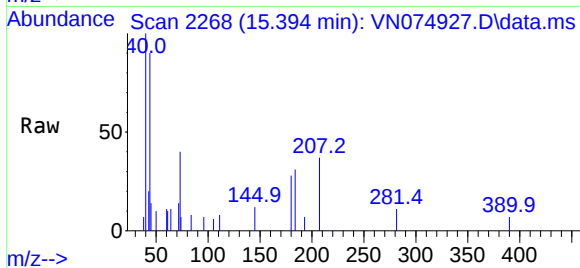




#93
1,2,4-Trichlorobenzene
Concen: 0.332 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

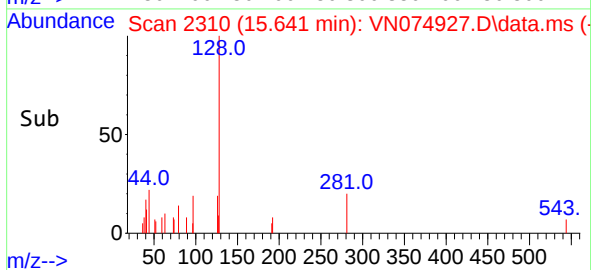
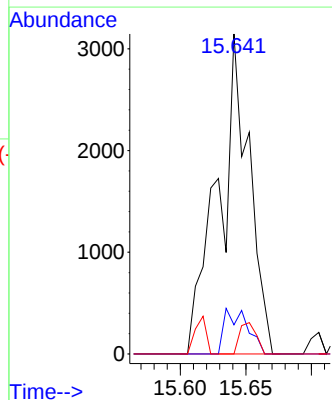
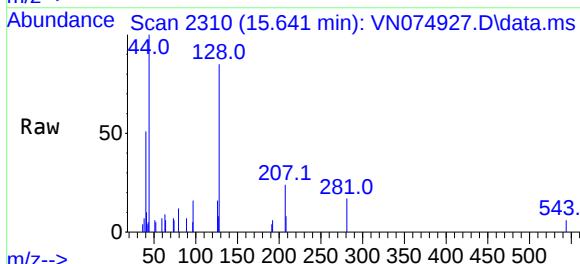
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20221011

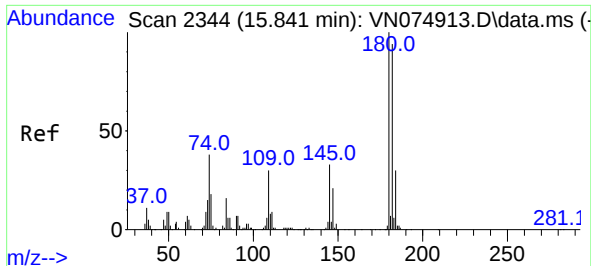
Tgt Ion:180 Resp: 1088
Ion Ratio Lower Upper
180 100
182 30.1 49.1 147.3#
145 20.5 15.4 46.4



#95
Naphthalene
Concen: 0.365 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN074927.D
Acq: 17 Oct 2022 19:45

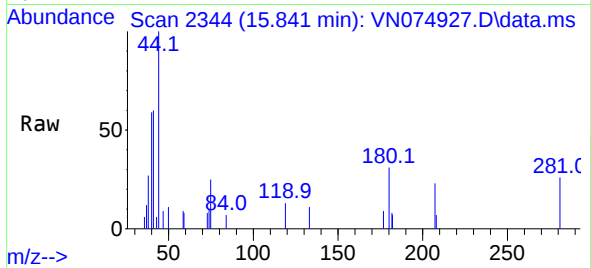
Tgt Ion:128 Resp: 5163
Ion Ratio Lower Upper
128 100
127 10.5 10.8 16.2#
129 5.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.350 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN074927.D
 Acq: 17 Oct 2022 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-TB-20221011



Tgt Ion:180 Resp: 1198

Ion	Ratio	Lower	Upper
180	100		
182	34.5	46.9	140.6#
145	0.0	15.8	47.4#

