

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
 Data File : VN074563.D
 Acq On : 17 Sep 2022 18:06
 Operator : JC\MD
 Sample : N4688-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-463-465

Quant Time: Sep 19 02:57:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

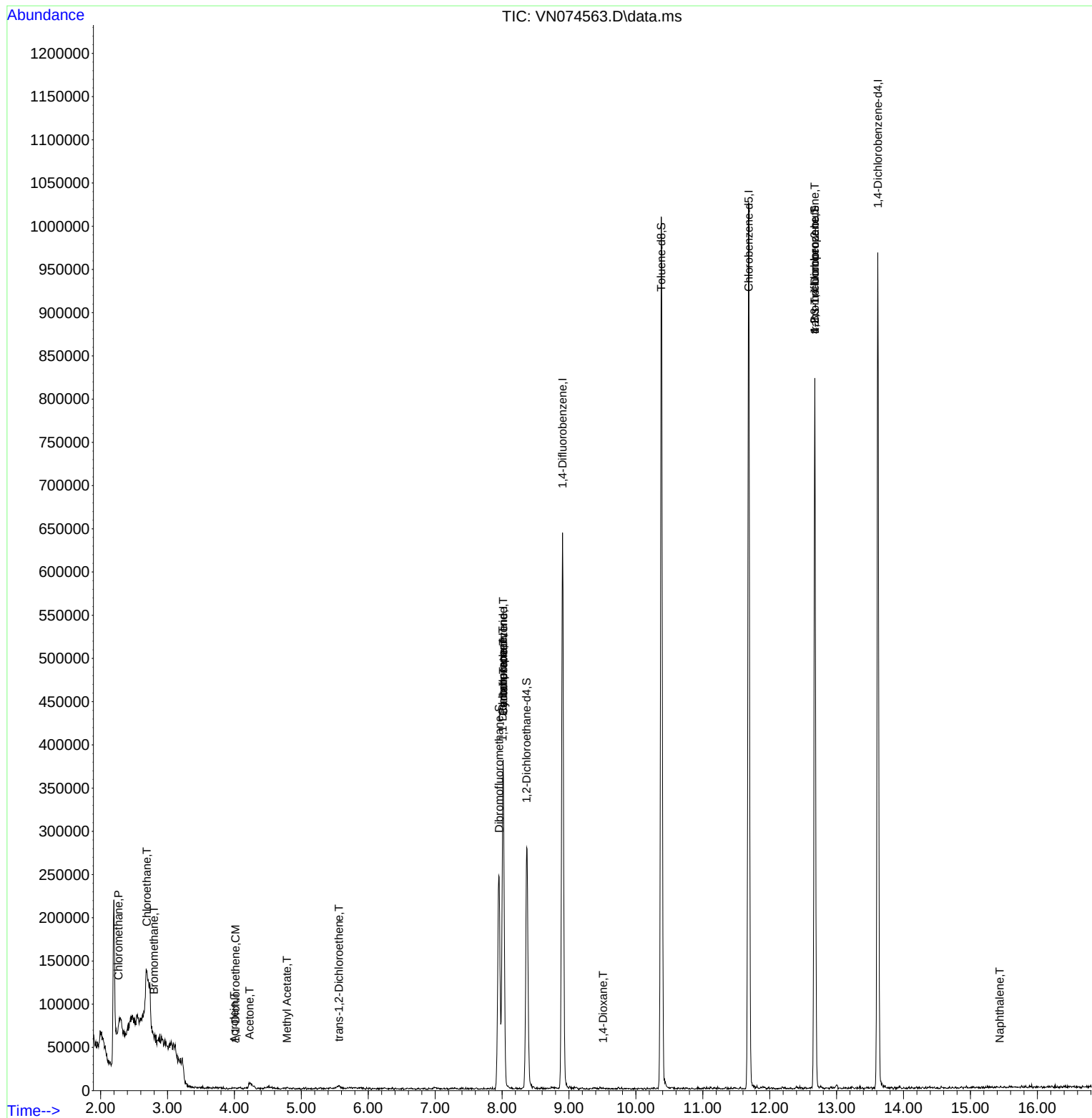
Internal Standards						
1) Pentafluorobenzene	8.016	168	259958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	514294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	512193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	221371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	213124	48.319	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	96.640%	
35) Dibromofluoromethane	7.957	113	174986	51.220	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	102.440%	
50) Toluene-d8	10.380	98	644589	48.787	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	97.580%	
62) 4-Bromofluorobenzene	12.674	95	241940	53.465	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	106.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1701	0.614	ug/l #	83
5) Bromomethane	2.799	94	1545	0.575	ug/l #	53
6) Chloroethane	2.693	64	24805	7.131	ug/l #	45
12) 1,1-Dichloroethene	4.016	96	360	0.788	ug/l #	1
13) Acrolein	3.998	56	119	0.227	ug/l	86
16) Acetone	4.228	43	10685	3.786	ug/l #	78
18) Methyl Acetate	4.787	43	2879	0.328	ug/l #	75
21) trans-1,2-Dichloroethene	5.563	96	209	0.484	ug/l #	1
28) Bromochloromethane	7.592	49	56	Below Cal	#	8
31) Cyclohexane	8.016	56	9169	1.171	ug/l #	73
36) 1,1-Dichloropropene	8.010	75	28440	4.703	ug/l #	48
38) Carbon Tetrachloride	8.016	117	28788	5.156	ug/l #	15
49) 1,4-Dioxane	9.510	88	481	3.857	ug/l #	23
76) 1,2,3-Trichloropropane	12.674	75	145540	21.359	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	145540	46.100	ug/l #	10
95) Naphthalene	15.439	128	197	1.599	ug/l #	69

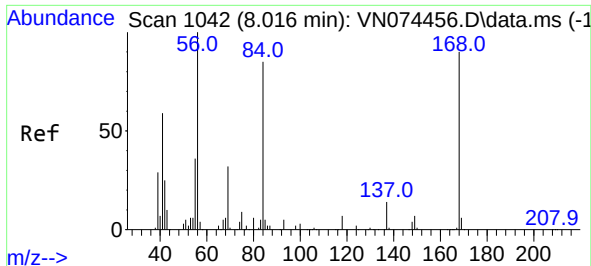
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 19 02:57:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
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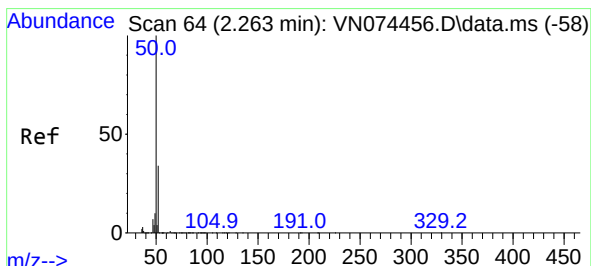
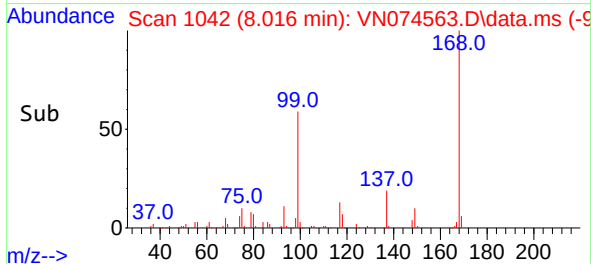
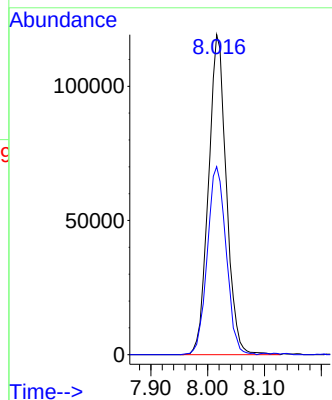
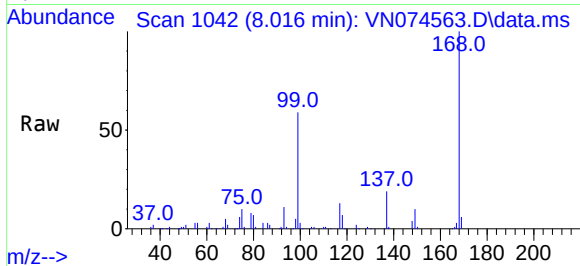




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

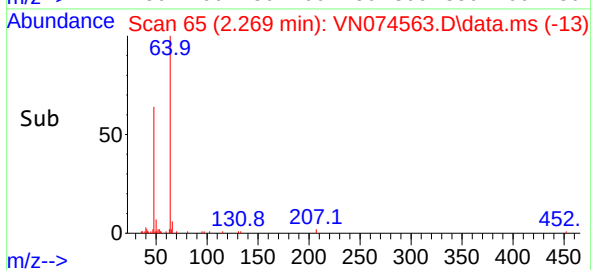
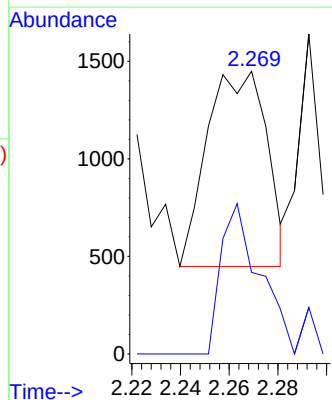
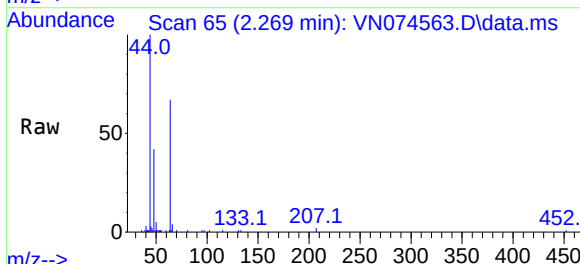
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-463-465

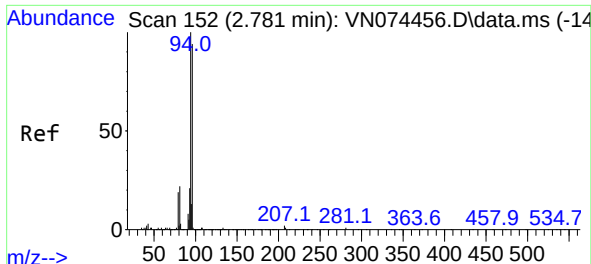
Tgt Ion:168 Resp: 259958
Ion Ratio Lower Upper
168 100
99 58.8 42.3 63.5



#3
Chloromethane
Concen: 0.614 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

Tgt Ion: 50 Resp: 1701
Ion Ratio Lower Upper
50 100
52 41.8 25.7 38.5#

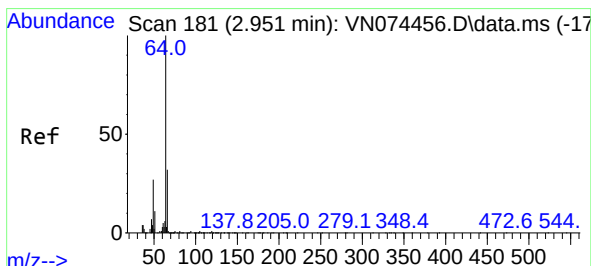
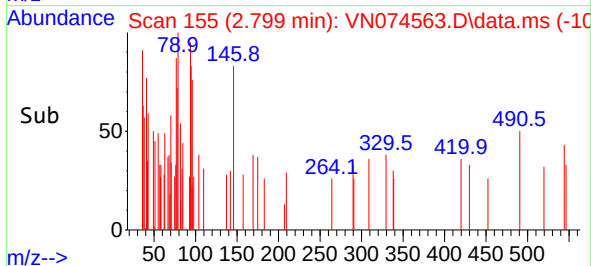
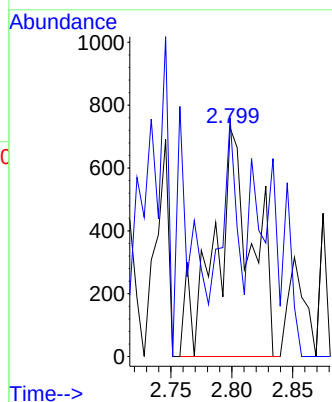
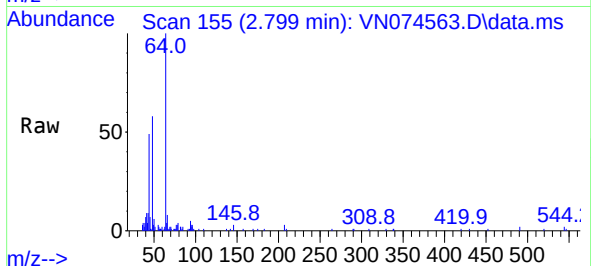




#5
Bromomethane
Concen: 0.575 ug/l
RT: 2.799 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

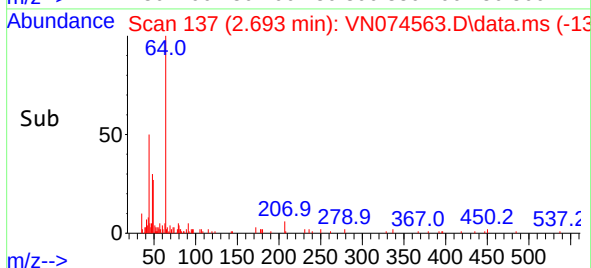
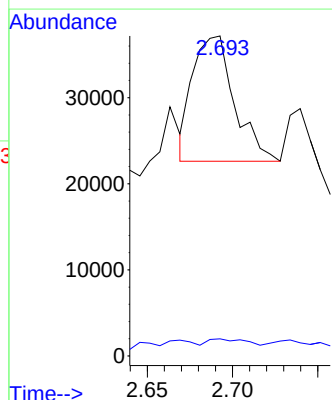
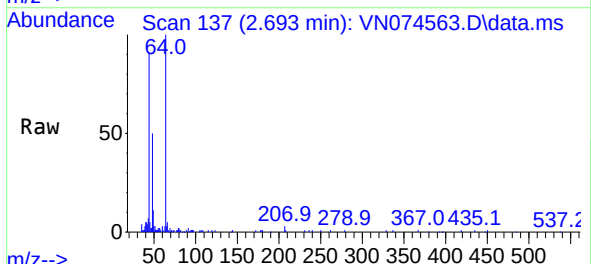
Instrument :
MSVOA_N
ClientSampleId :
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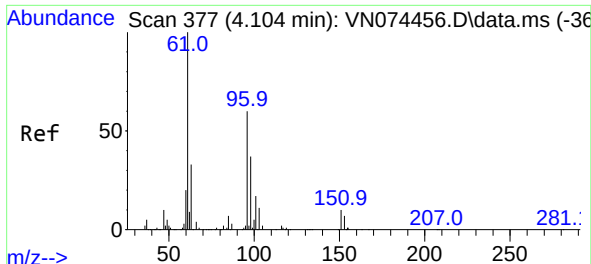
Tgt Ion: 94 Resp: 1545
Ion Ratio Lower Upper
94 100
96 49.3 76.0 114.0#



#6
Chloroethane
Concen: 7.131 ug/l
RT: 2.693 min Scan# 137
Delta R.T. -0.258 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

Tgt Ion: 64 Resp: 24805
Ion Ratio Lower Upper
64 100
66 1.8 26.2 39.4#

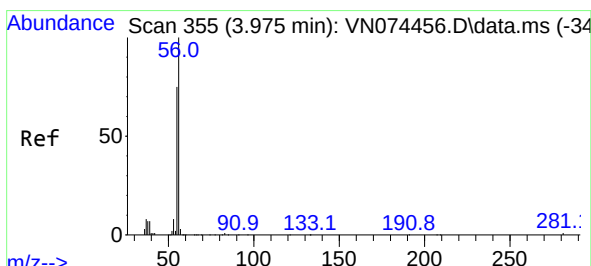
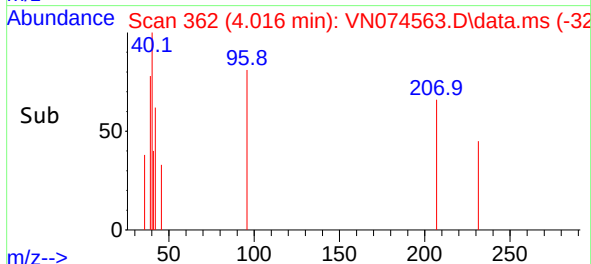
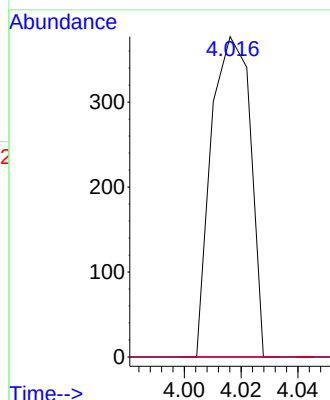
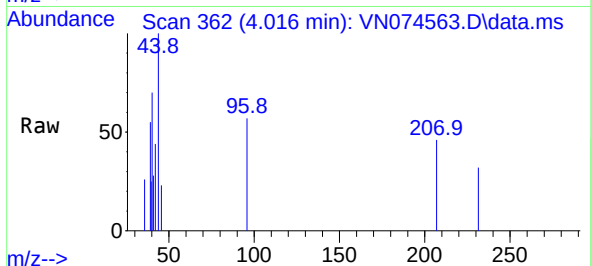




#12
1,1-Dichloroethene
Concen: 0.788 ug/l
RT: 4.016 min Scan# 30
Delta R.T. -0.088 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

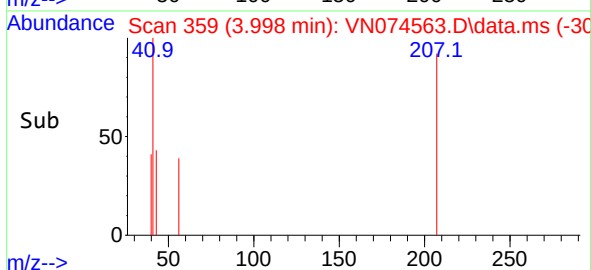
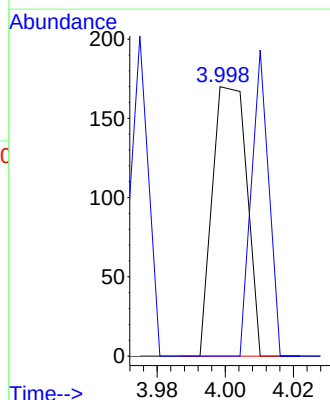
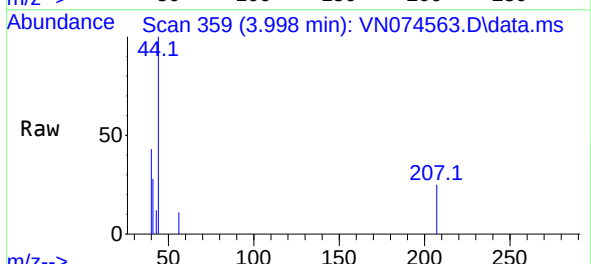
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-463-465

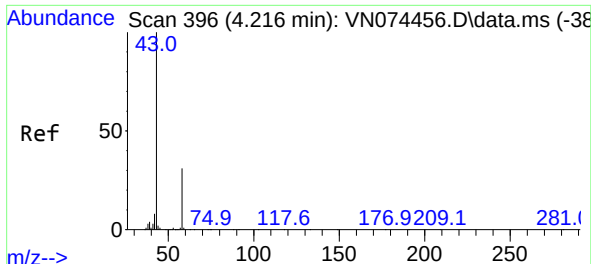
Tgt Ion: 96 Resp: 360
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.227 ug/l
RT: 3.998 min Scan# 359
Delta R.T. 0.023 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 57.1 54.8 82.2

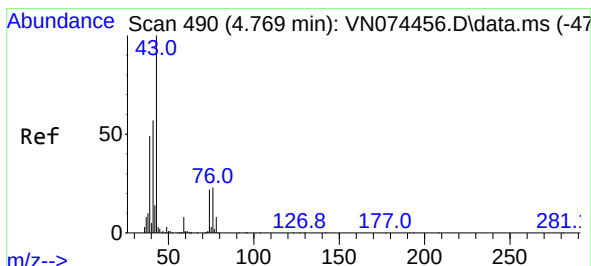
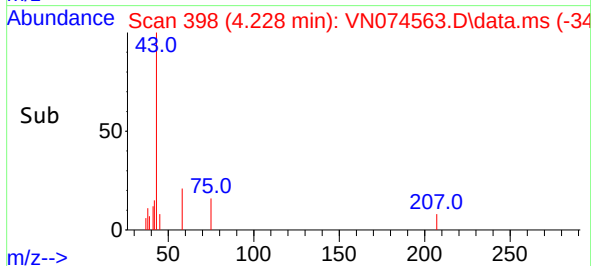
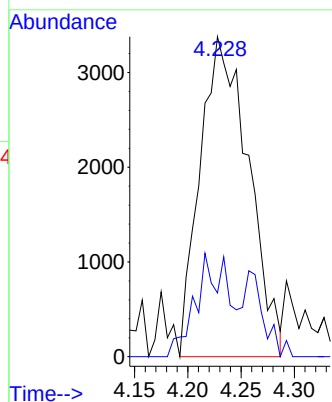
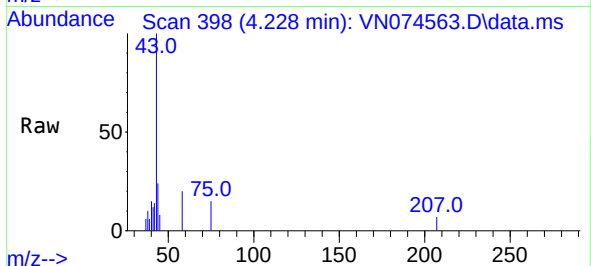




#16
Acetone
Concen: 3.786 ug/l
RT: 4.228 min Scan# 396
Delta R.T. 0.012 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

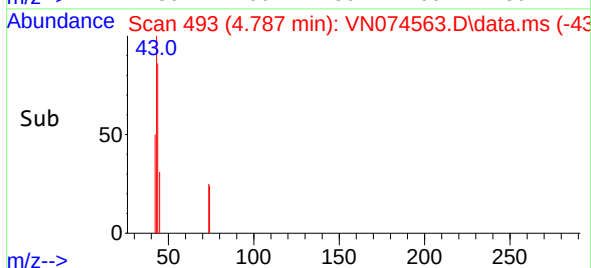
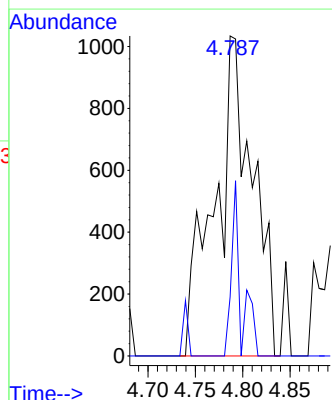
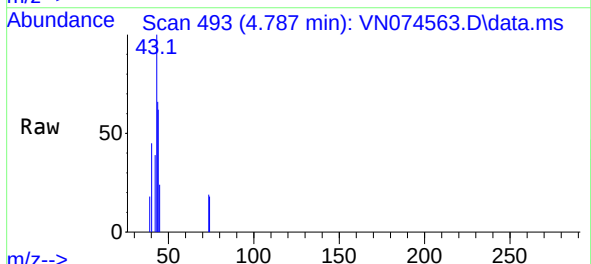
Instrument :
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BP-VPB-RW5-GW-463-465

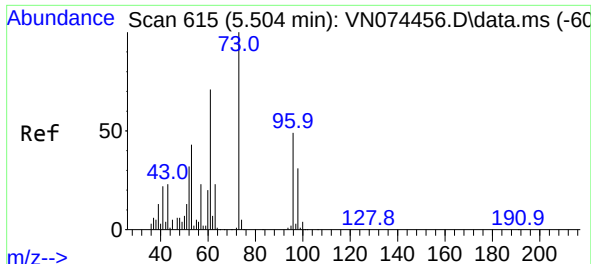
Tgt Ion: 43 Resp: 10685
Ion Ratio Lower Upper
43 100
58 19.9 26.0 39.0#



#18
Methyl Acetate
Concen: 0.328 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.018 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

Tgt Ion: 43 Resp: 2879
Ion Ratio Lower Upper
43 100
74 14.0 21.6 32.4#

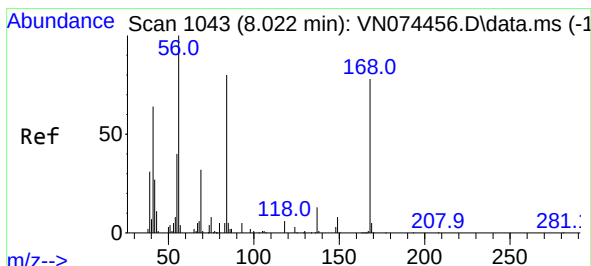
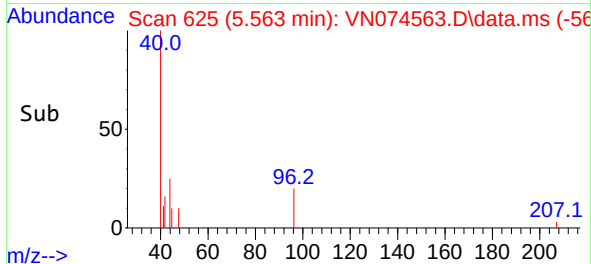
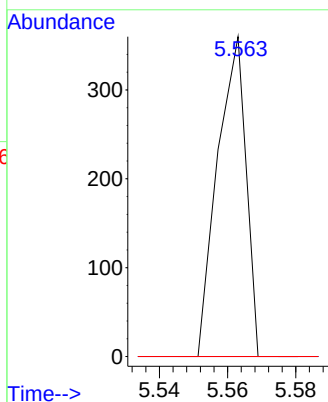
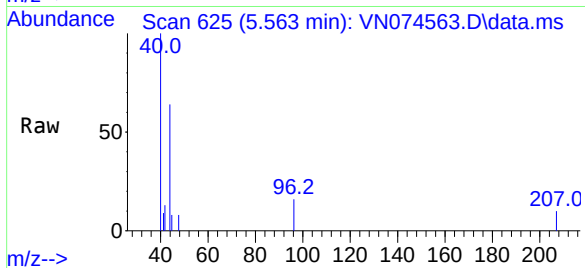




#21
trans-1,2-Dichloroethene
Concen: 0.484 ug/l
RT: 5.563 min Scan# 61
Delta R.T. 0.059 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

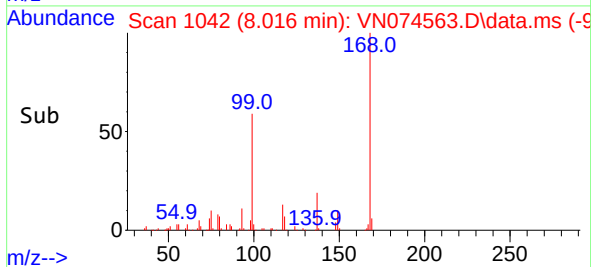
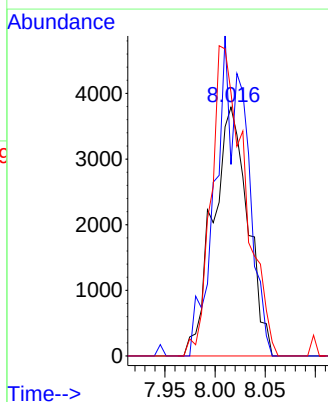
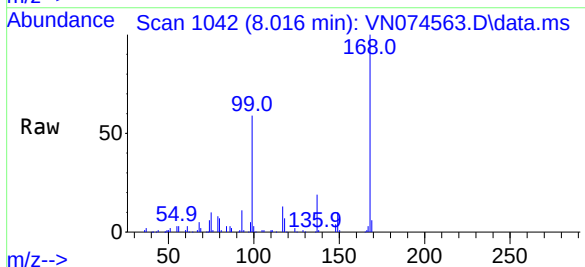
Instrument :
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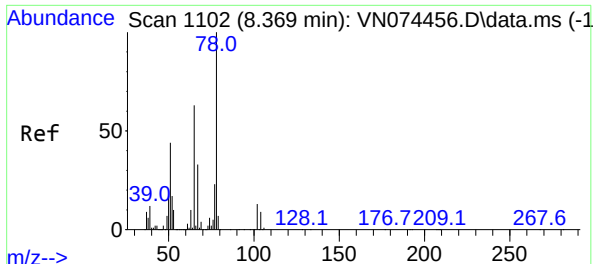
Tgt Ion: 96 Resp: 209
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

Tgt Ion: 56 Resp: 9169
Ion Ratio Lower Upper
56 100
69 77.0 27.8 41.8#
84 105.8 76.9 115.3

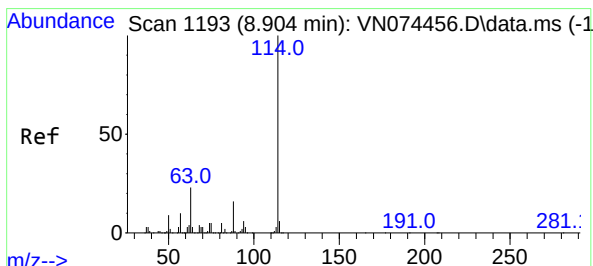
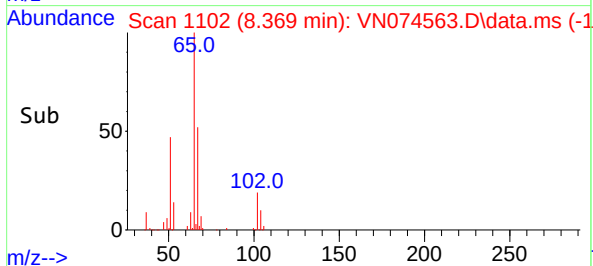
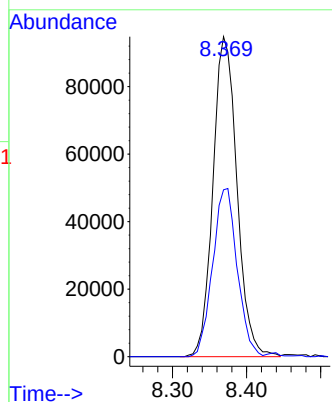
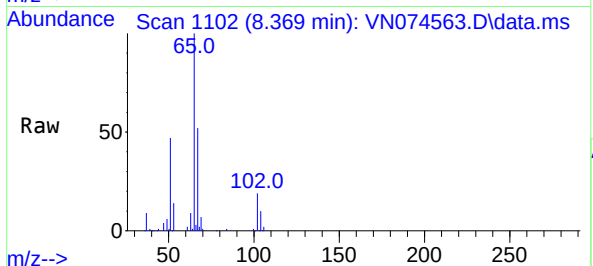




#33
1,2-Dichloroethane-d4
Concen: 48.319 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

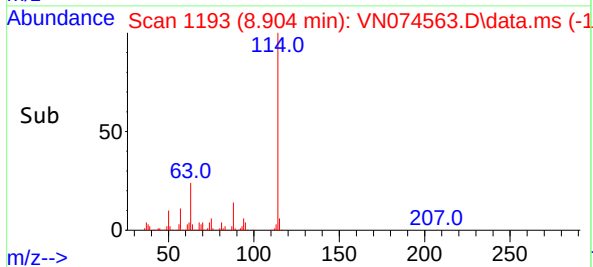
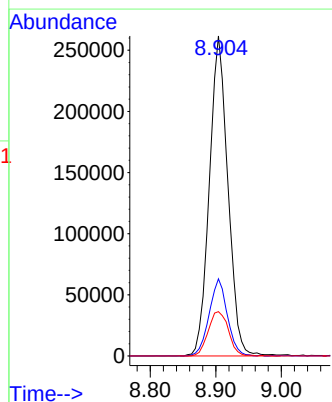
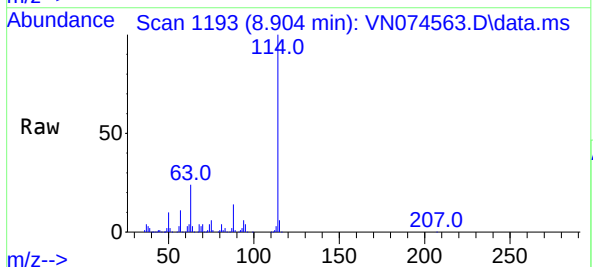
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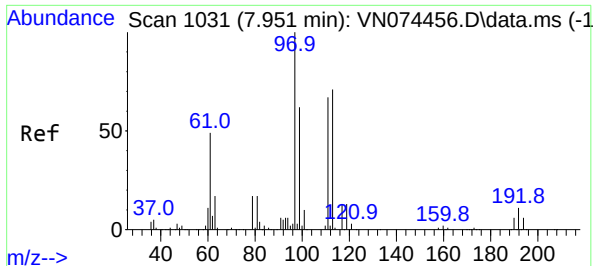
Tgt Ion: 65 Resp: 213124
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

Tgt Ion: 114 Resp: 514294
Ion Ratio Lower Upper
114 100
63 24.0 0.0 40.0
88 13.8 0.0 32.6

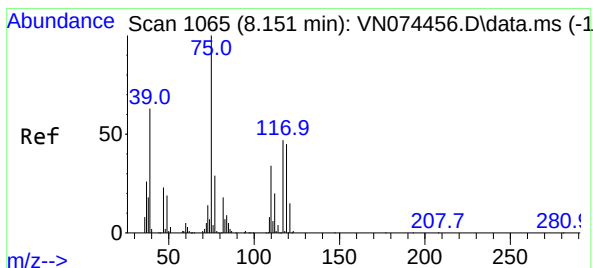
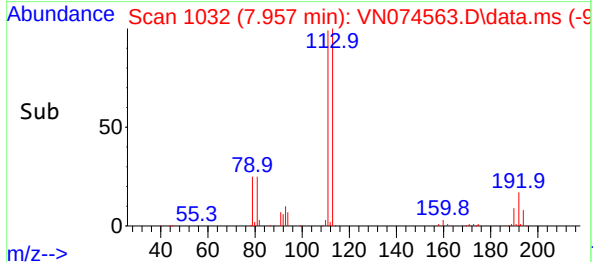
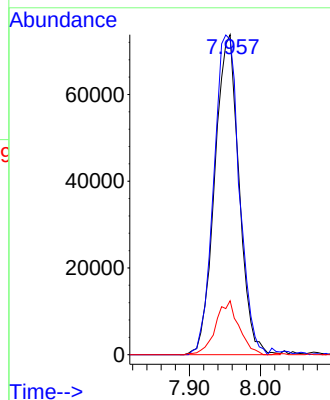
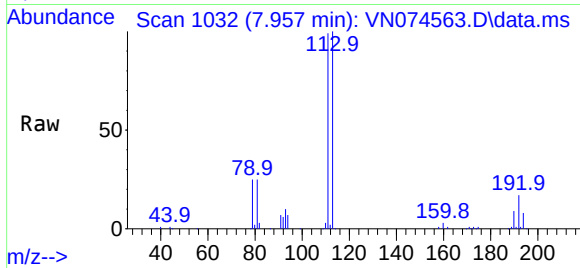




#35
Dibromofluoromethane
Concen: 51.220 ug/l
RT: 7.957 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

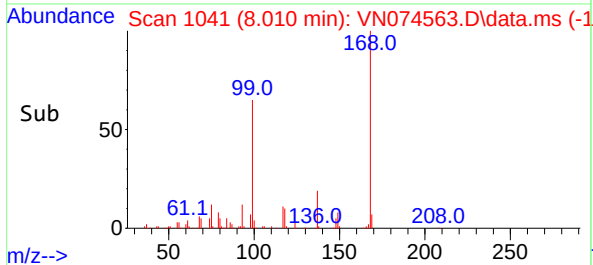
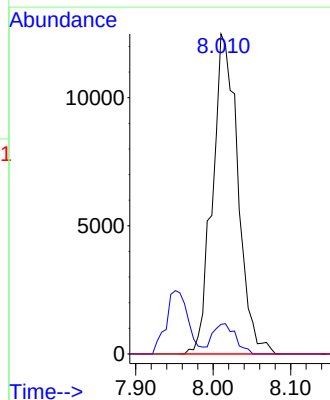
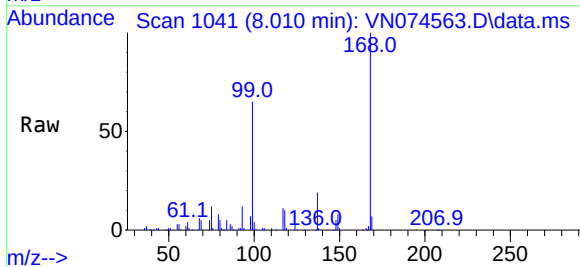
Instrument :
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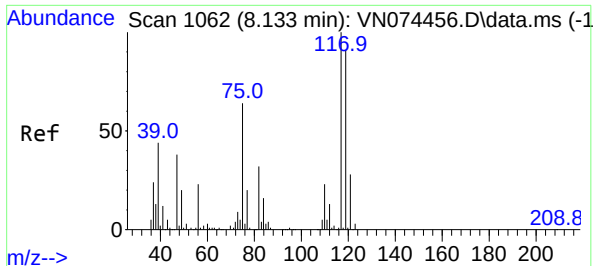
Tgt Ion:113 Resp: 174986
Ion Ratio Lower Upper
113 100
111 104.7 81.4 122.0
192 16.1 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.703 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

Tgt Ion: 75 Resp: 28440
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 25.1 37.7#

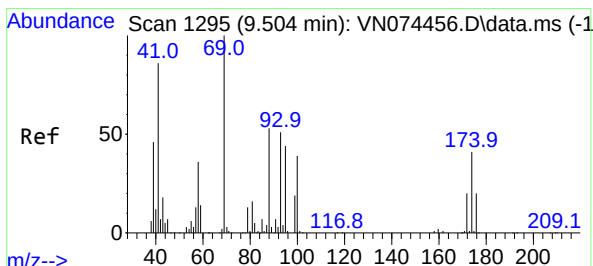
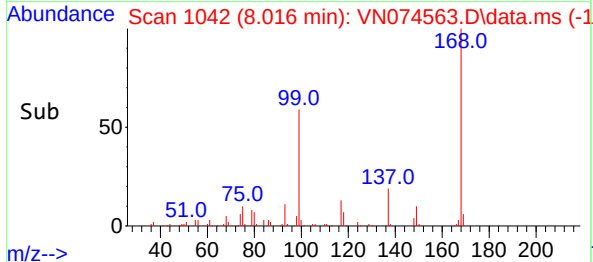
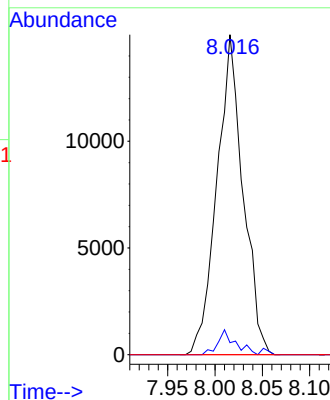
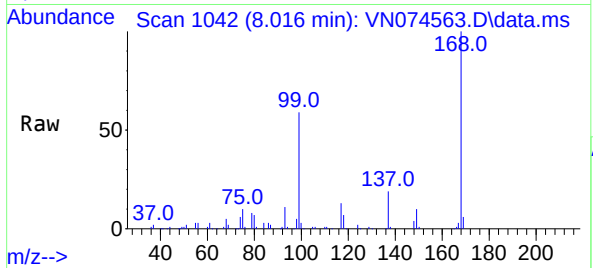




#38
Carbon Tetrachloride
Concen: 5.156 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.117 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

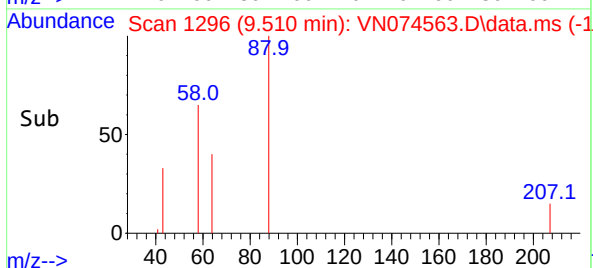
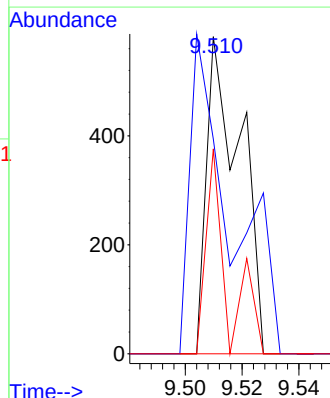
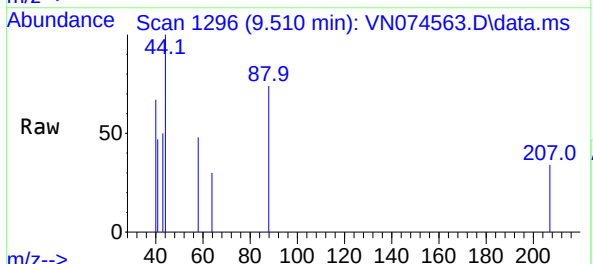
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-463-465

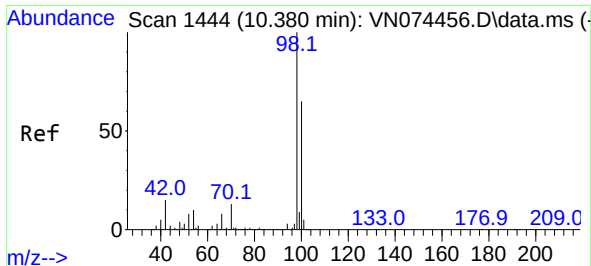
Tgt Ion:117 Resp: 28788
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 3.857 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

Tgt Ion: 88 Resp: 481
Ion Ratio Lower Upper
88 100
43 121.6 20.2 30.4#
58 40.3 54.2 81.4#

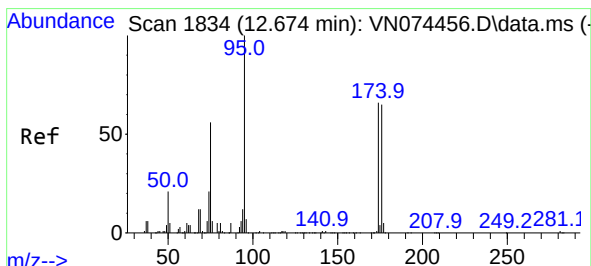
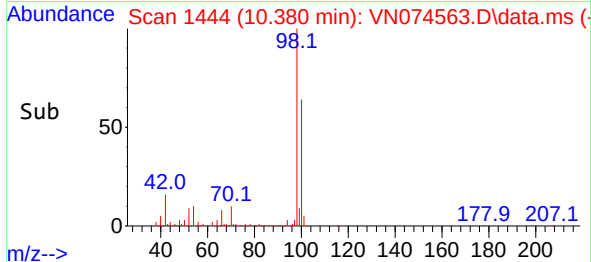
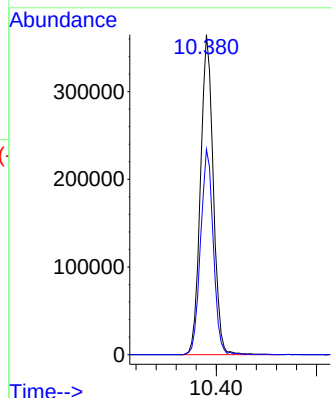
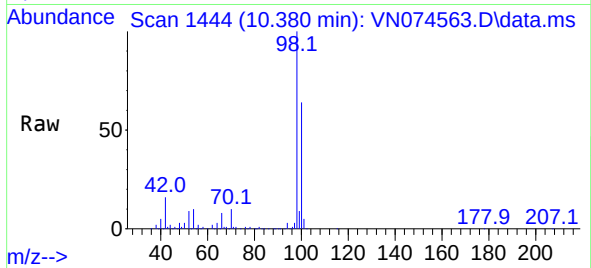




#50
Toluene-d8
Concen: 48.787 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

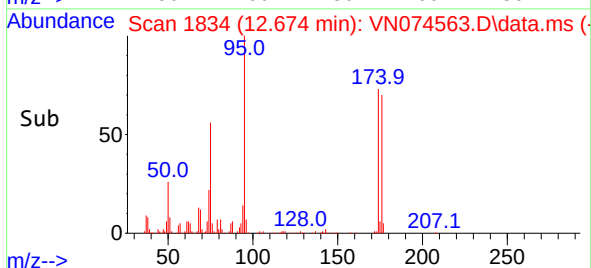
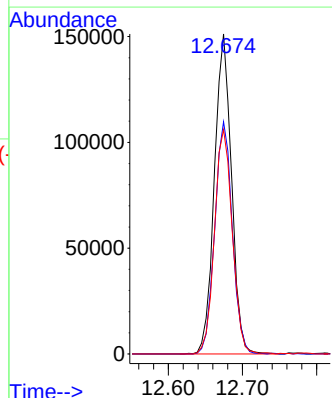
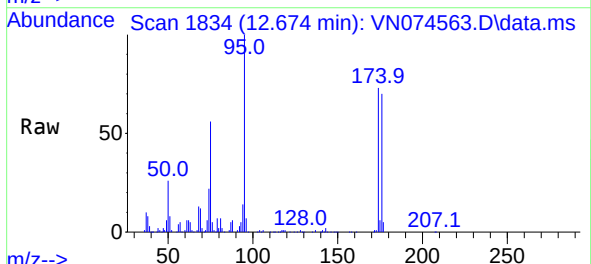
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-463-465

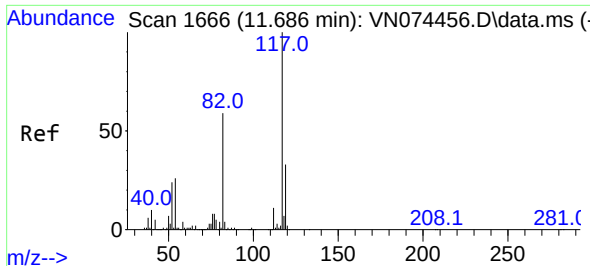
Tgt Ion: 98 Resp: 644589
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 53.465 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

Tgt Ion: 95 Resp: 241940
Ion Ratio Lower Upper
95 100
174 74.3 0.0 167.6
176 73.1 0.0 163.4

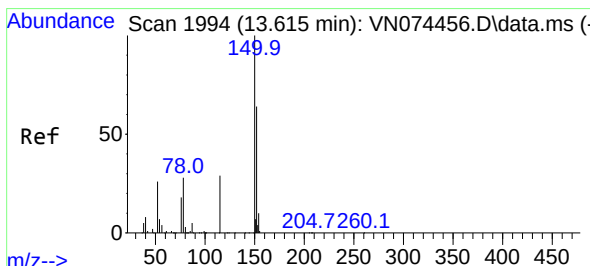
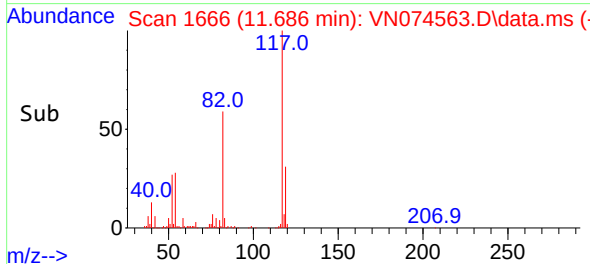
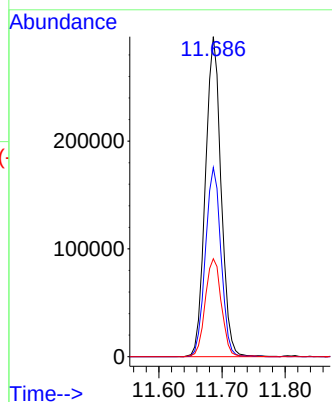
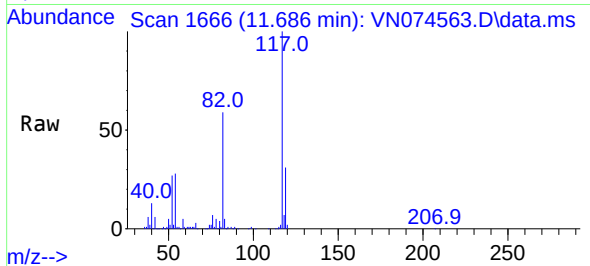




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

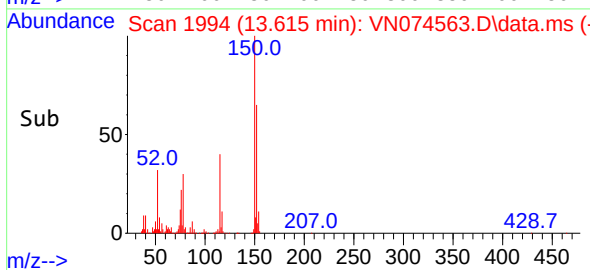
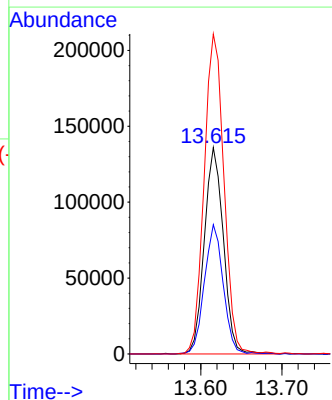
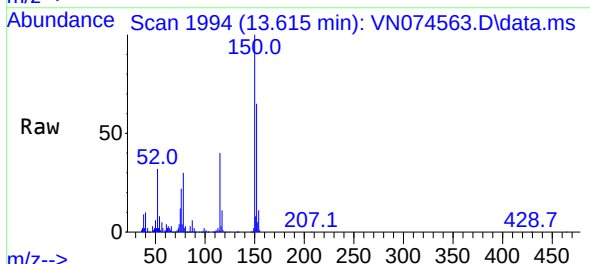
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-463-465

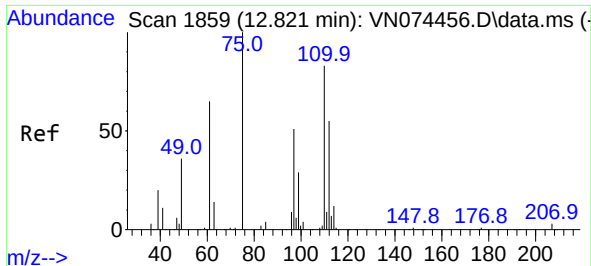
Tgt Ion:	117	Resp:	512193
Ion	Ratio	Lower	Upper
117	100		
82	59.1	44.2	66.2
119	30.6	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

Tgt Ion:	152	Resp:	221371
Ion	Ratio	Lower	Upper
152	100		
115	61.9	28.9	86.7
150	160.6	0.0	356.2

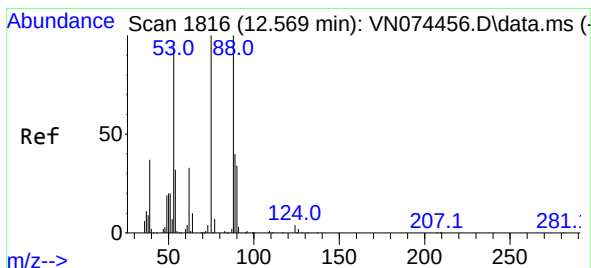
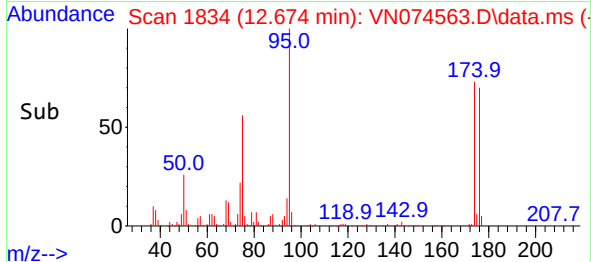
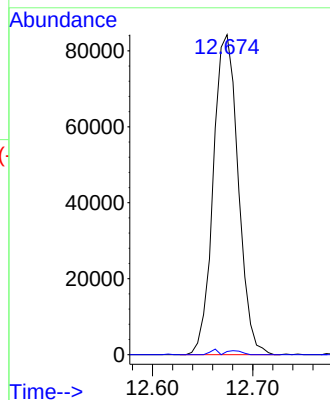
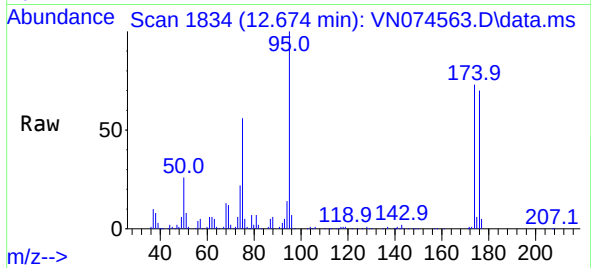




#76
1,2,3-Trichloropropane
Concen: 21.359 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

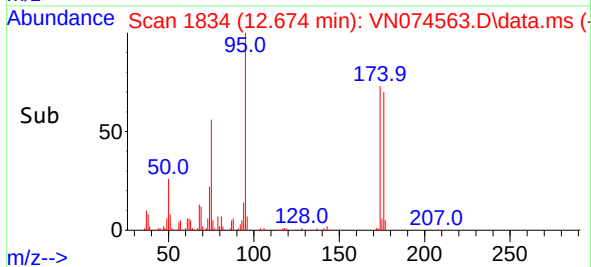
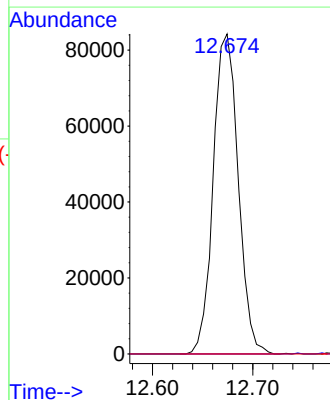
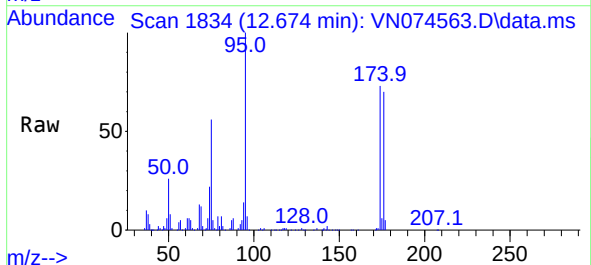
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-463-465

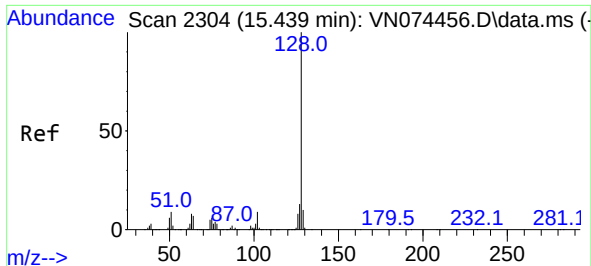
Tgt Ion: 75 Resp: 145540
Ion Ratio Lower Upper
75 100
77 0.8 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.100 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074563.D
Acq: 17 Sep 2022 18:06

Tgt Ion: 75 Resp: 145540
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 1.599 ug/l

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN074563.D

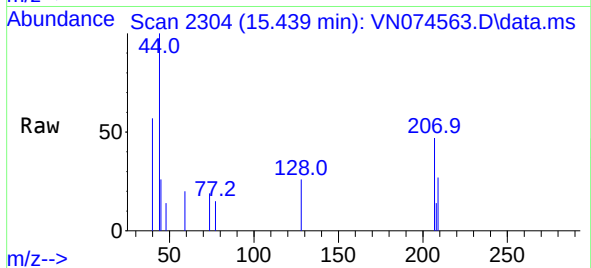
Acq: 17 Sep 2022 18:06

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-463-465



Tgt Ion:128 Resp: 197

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

