

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100322\
 Data File : VN074719.D
 Acq On : 03 Oct 2022 20:39
 Operator : JC\MD
 Sample : N4933-03DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-658-660DL

Quant Time: Oct 04 06:15:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 05:54:56 2022
 Response via : Initial Calibration

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

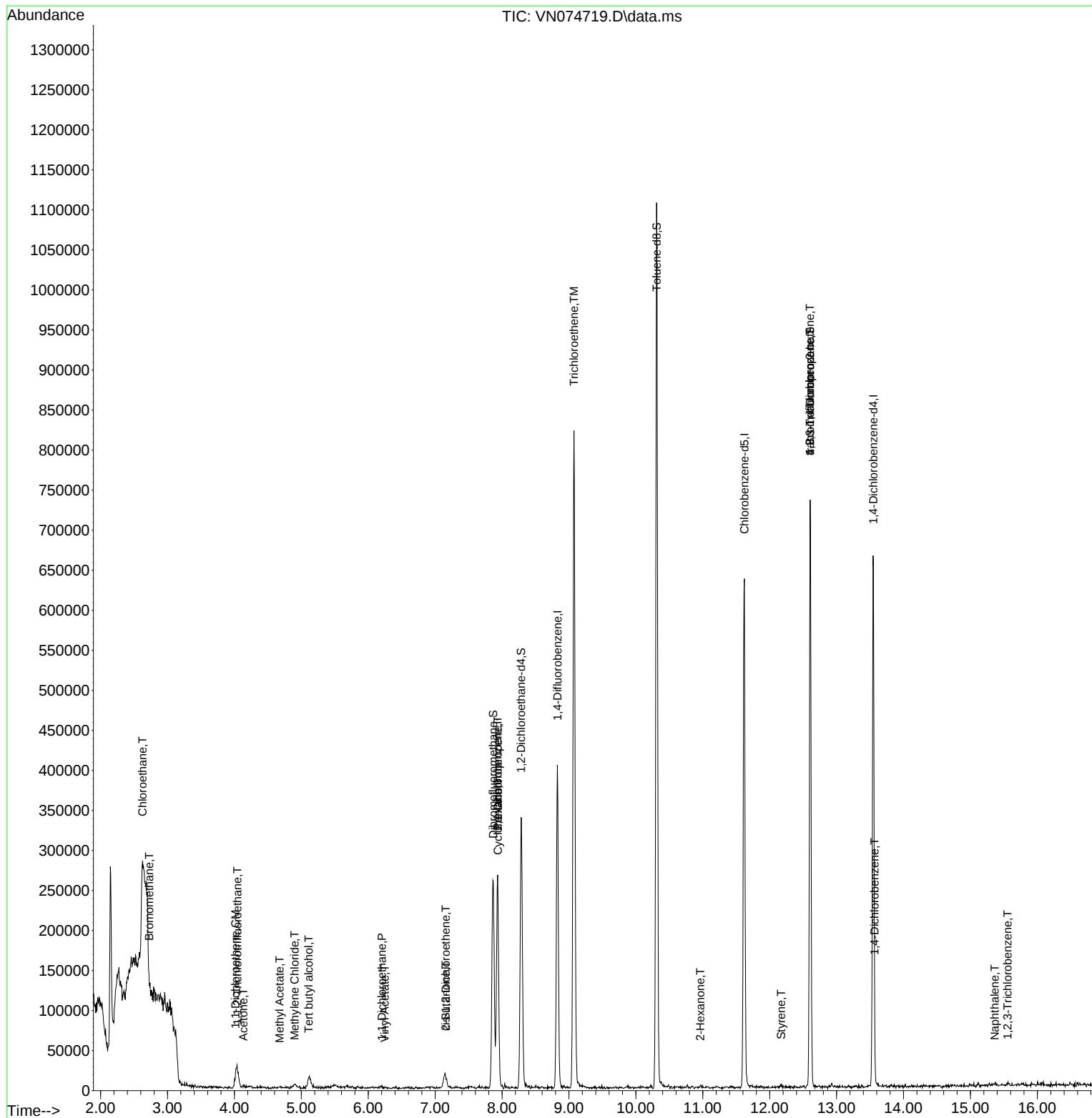
Internal Standards						
1) Pentafluorobenzene	7.934	168	185712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	321900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.622	117	329973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	156582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	249299	53.422	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.840%	
35) Dibromofluoromethane	7.869	113	182766	52.815	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.620%	
50) Toluene-d8	10.310	98	723887	50.892	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	12.604	95	205468	42.926	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.860%	
Target Compounds						Qvalue
3) Chloromethane	2.222	50	1541	Below Cal		91
5) Bromomethane	2.728	94	1854	0.214 ug/l	#	17
6) Chloroethane	2.628	64	61766	6.938 ug/l	#	42
9) 1,1,2-Trichlorotrifluo...	4.046	101	10100	3.009 ug/l		87
11) Tert butyl alcohol	5.110	59	12800	12.563 ug/l	#	74
12) 1,1-Dichloroethene	4.016	96	4294	1.285 ug/l		83
13) Acrolein	3.999	56	246	Below Cal	#	16
16) Acetone	4.134	43	1748	0.703 ug/l	#	67
18) Methyl Acetate	4.675	43	2112	0.249 ug/l	#	67
20) Methylene Chloride	4.898	84	1880	0.492 ug/l	#	57
23) Vinyl Acetate	6.245	43	153	13.776 ug/l	#	68
24) 1,1-Dichloroethane	6.204	63	1591	0.212 ug/l	#	82
25) 2-Butanone	7.157	43	6625	1.499 ug/l	#	78
27) cis-1,2-Dichloroethene	7.157	96	1277	0.282 ug/l		86
31) Cyclohexane	7.939	56	6324	0.877 ug/l	#	39
36) 1,1-Dichloropropene	7.934	75	17624	3.127 ug/l	#	48
44) Trichloroethene	9.075	130	272120	71.730 ug/l		97
59) 2-Hexanone	10.963	43	1746	0.269 ug/l		75
70) Styrene	12.169	104	510	3.011 ug/l	#	50
71) Bromoform	12.157	173	76	Below Cal	#	28
76) 1,2,3-Trichloropropane	12.604	75	126899	34.931 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	126899	93.629 ug/l	#	10
88) 1,4-Dichlorobenzene	13.568	146	1363	0.237 ug/l	#	1
95) Naphthalene	15.362	128	3378	0.353 ug/l		96
96) 1,2,3-Trichlorobenzene	15.557	180	551	0.207 ug/l	#	47

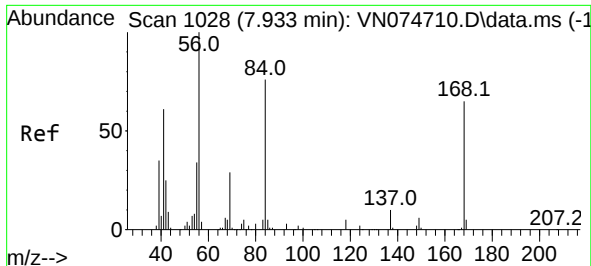
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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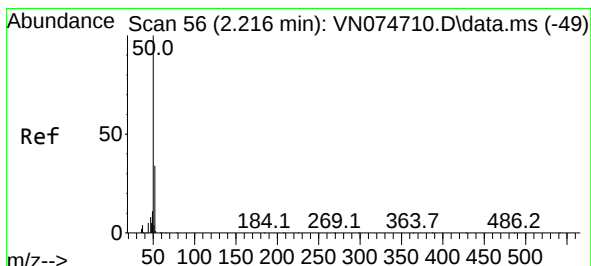
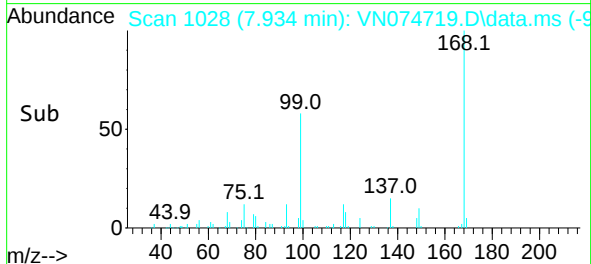
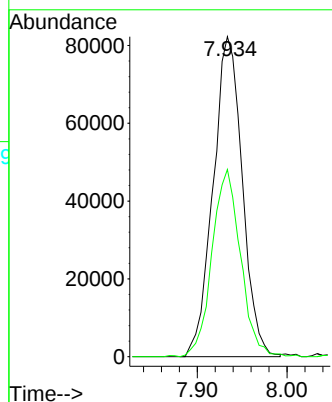
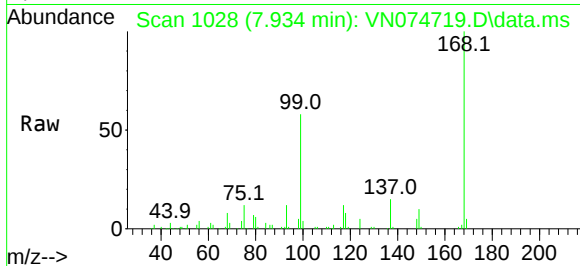




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

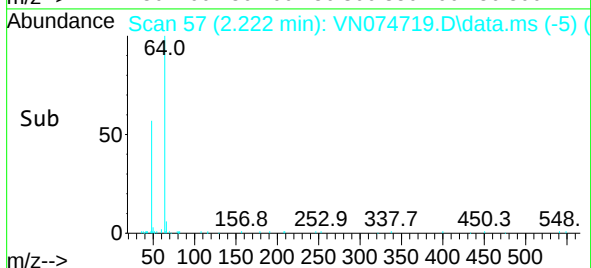
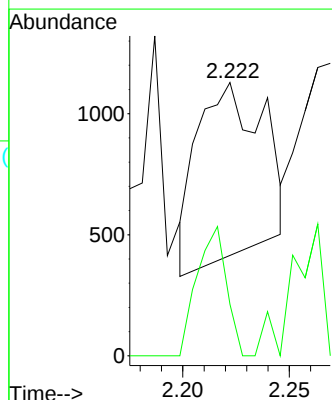
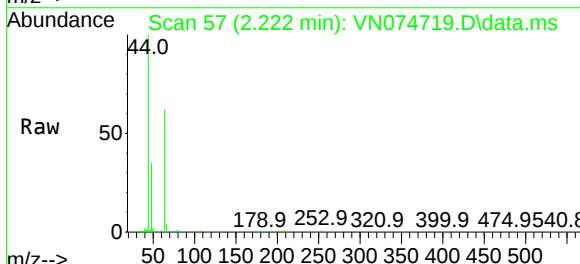
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-658-660DL

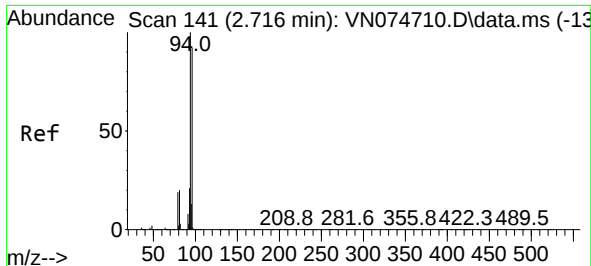
Tgt Ion:168 Resp: 185712
Ion Ratio Lower Upper
168 100
99 58.5 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.222 min Scan# 57
Delta R.T. 0.006 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

Tgt Ion: 50 Resp: 1541
Ion Ratio Lower Upper
50 100
52 37.0 25.7 38.5





#5

Bromomethane

Concen: 0.214 ug/l

RT: 2.728 min Scan# 141

Delta R.T. 0.012 min

Lab File: VN074719.D

Acq: 03 Oct 2022 20:39

Instrument :

MSVOA_N

ClientSampleId :

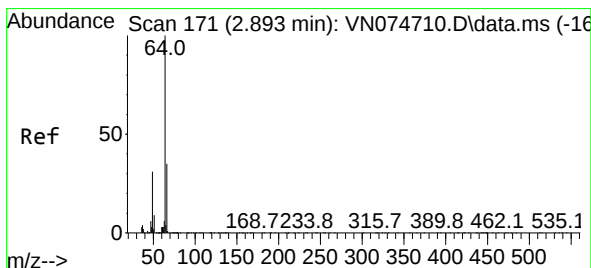
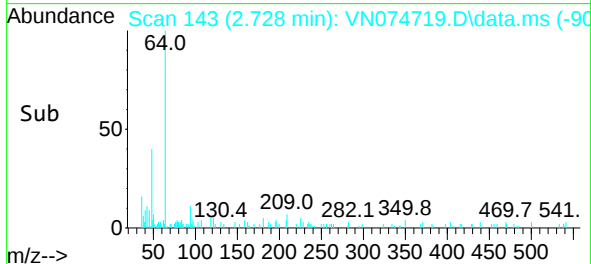
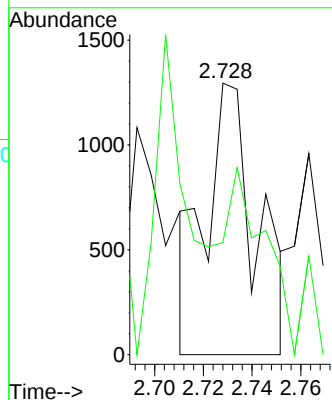
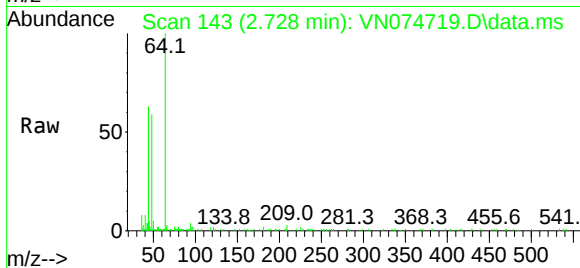
BP-VPB-RW5-GW-658-660DL

Tgt Ion: 94 Resp: 1854

Ion Ratio Lower Upper

94 100

96 14.3 76.0 114.0#



#6

Chloroethane

Concen: 6.938 ug/l

RT: 2.628 min Scan# 126

Delta R.T. -0.259 min

Lab File: VN074719.D

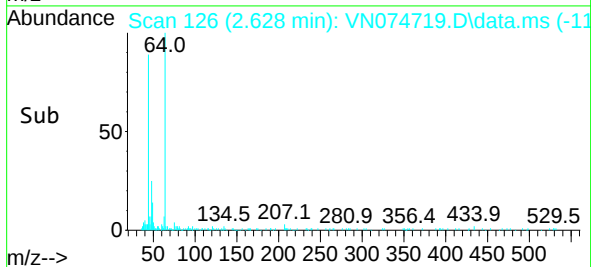
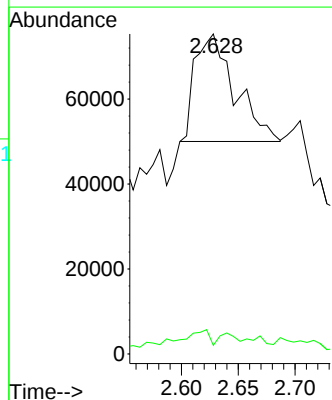
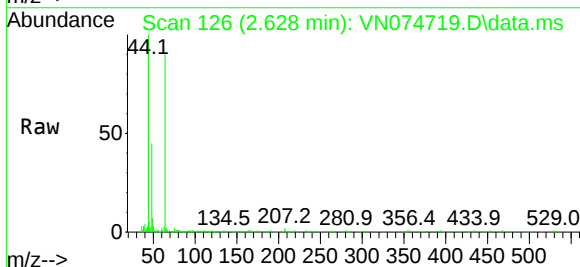
Acq: 03 Oct 2022 20:39

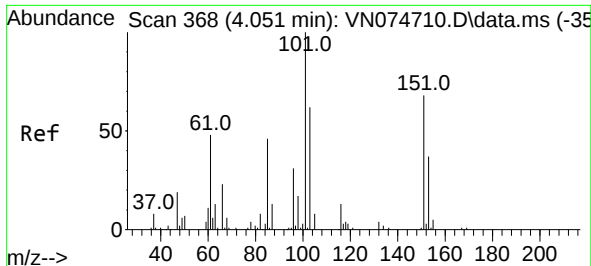
Tgt Ion: 64 Resp: 61766

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

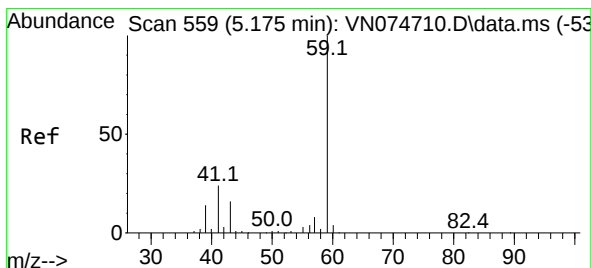
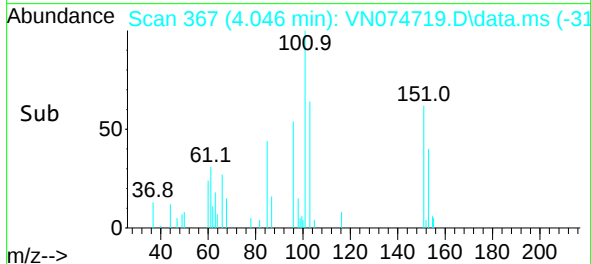
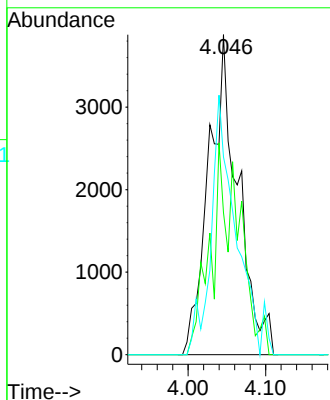
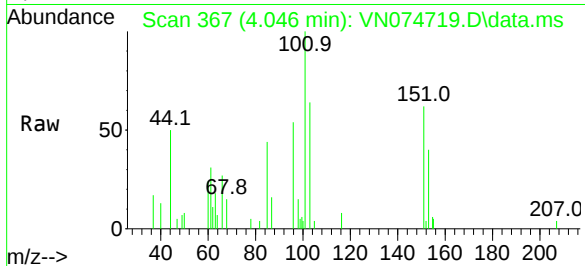




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.009 ug/l
RT: 4.046 min Scan# 30
Delta R.T. 0.001 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

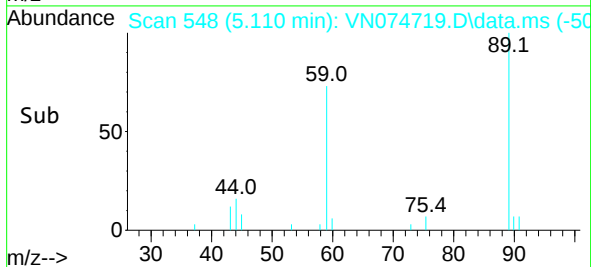
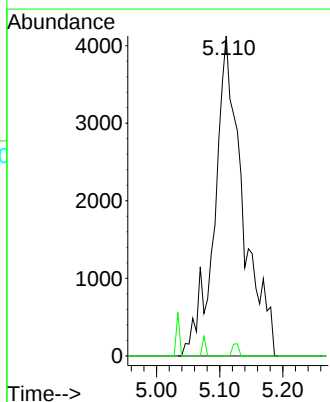
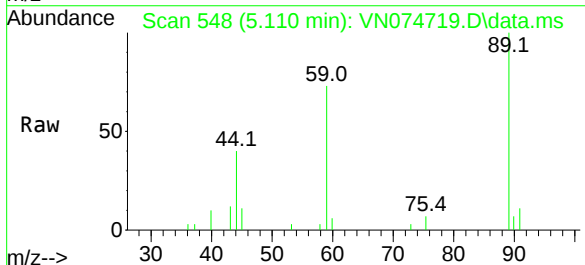
Instrument :
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BP-VPB-RW5-GW-658-660DL

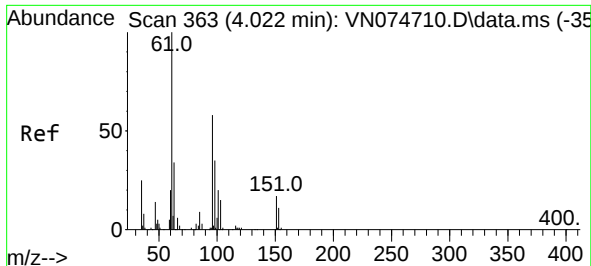
Tgt Ion:101 Resp: 10100
Ion Ratio Lower Upper
101 100
85 35.9 34.7 52.1
151 67.0 63.0 94.4



#11
Tert butyl alcohol
Concen: 12.563 ug/l
RT: 5.110 min Scan# 548
Delta R.T. -0.059 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

Tgt Ion: 59 Resp: 12800
Ion Ratio Lower Upper
59 100
57 0.9 8.3 12.5#

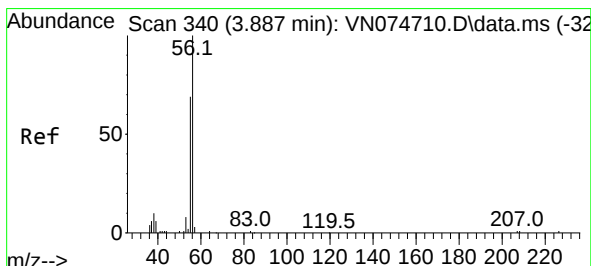
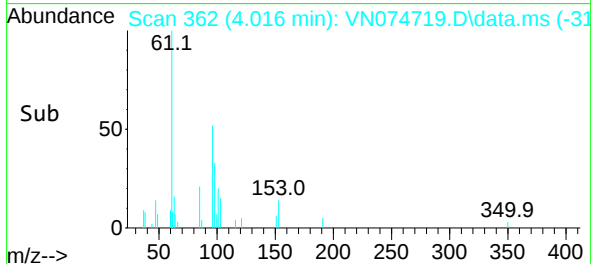
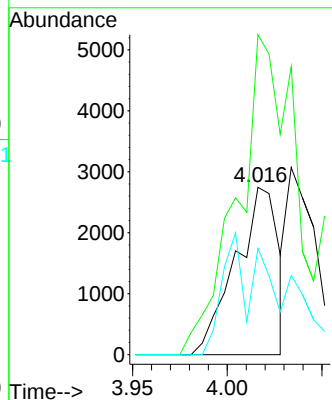
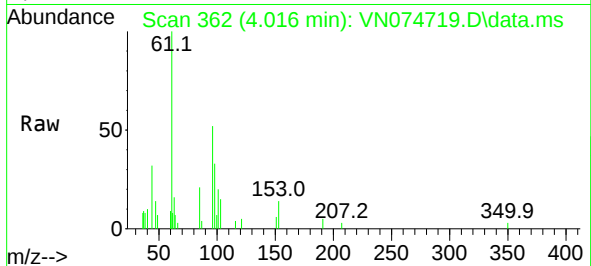




#12
1,1-Dichloroethene
Concen: 1.285 ug/l
RT: 4.016 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

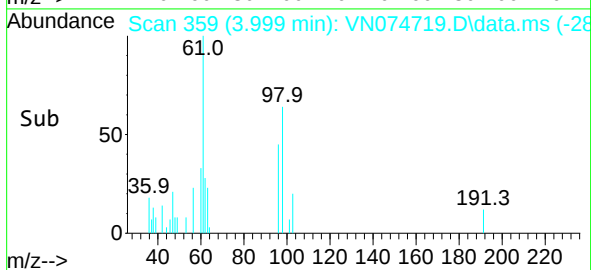
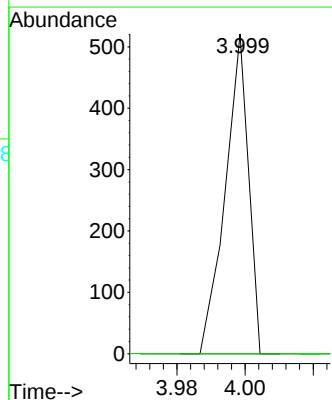
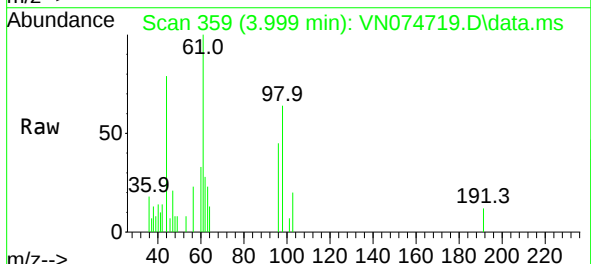
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ClientSampleId :
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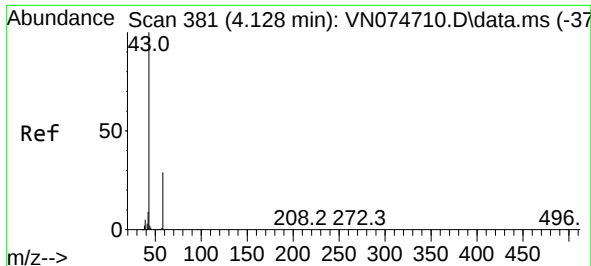
Tgt Ion: 96 Resp: 4294
Ion Ratio Lower Upper
96 100
61 191.2 127.6 191.4
98 63.5 51.2 76.8



#13
Acrolein
Concen: Below Cal
RT: 3.999 min Scan# 359
Delta R.T. 0.112 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

Tgt Ion: 56 Resp: 246
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

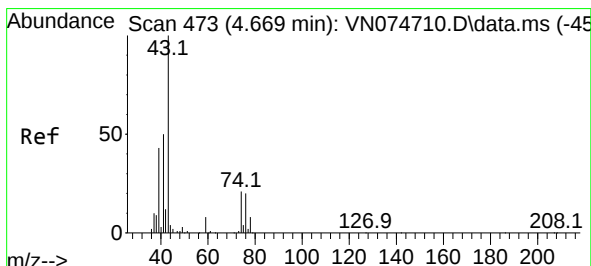
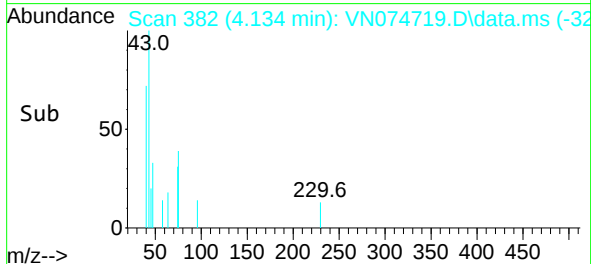
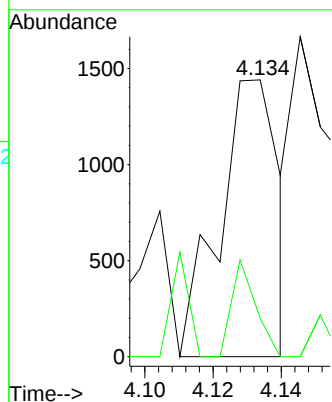
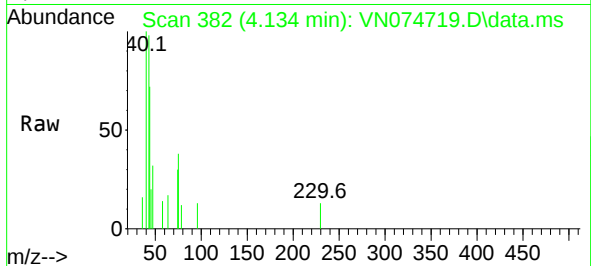




#16
Acetone
Concen: 0.703 ug/l
RT: 4.134 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

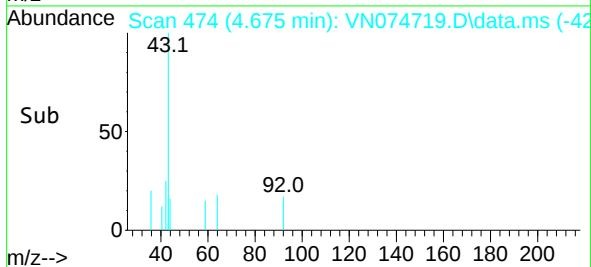
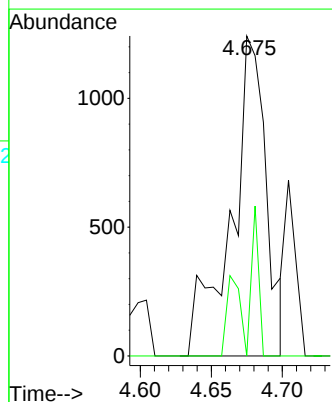
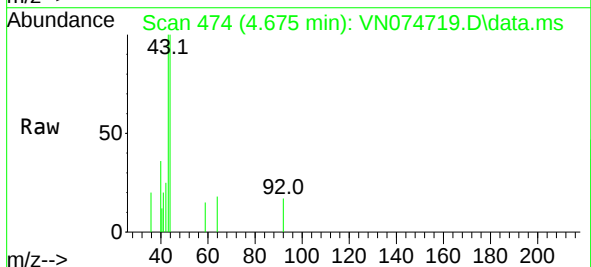
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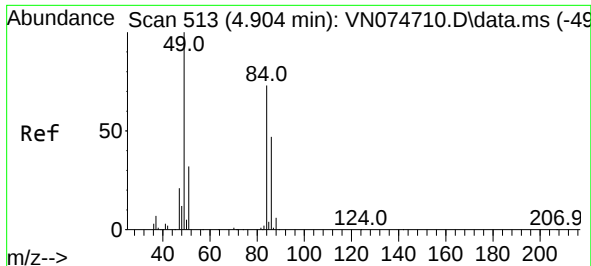
Tgt Ion: 43 Resp: 1748
Ion Ratio Lower Upper
43 100
58 13.8 26.0 39.0#



#18
Methyl Acetate
Concen: 0.249 ug/l
RT: 4.675 min Scan# 474
Delta R.T. 0.012 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

Tgt Ion: 43 Resp: 2112
Ion Ratio Lower Upper
43 100
74 9.7 21.6 32.4#

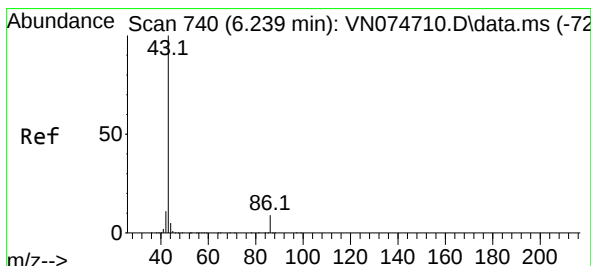
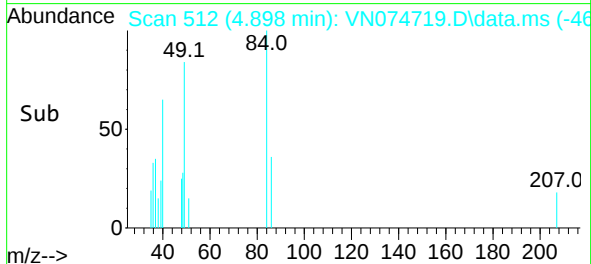
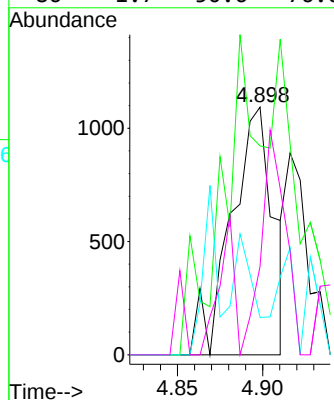
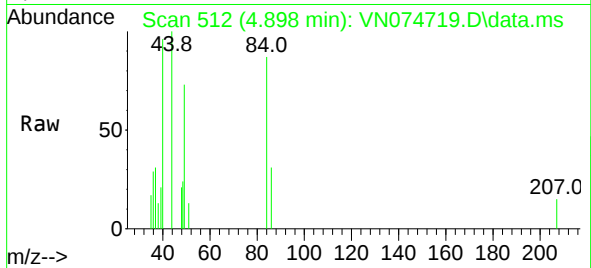




#20
Methylene Chloride
Concen: 0.492 ug/l
RT: 4.898 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

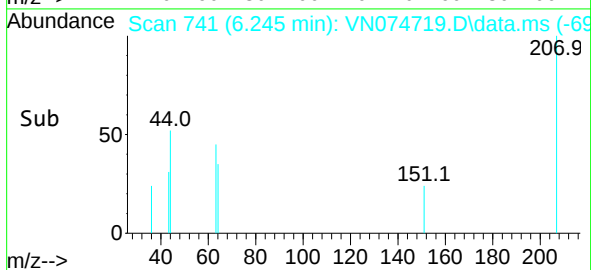
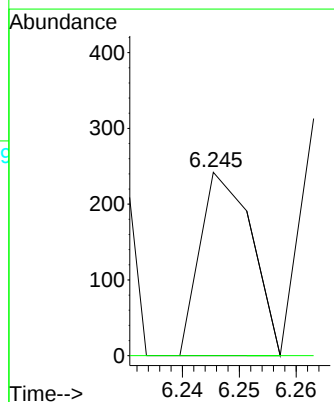
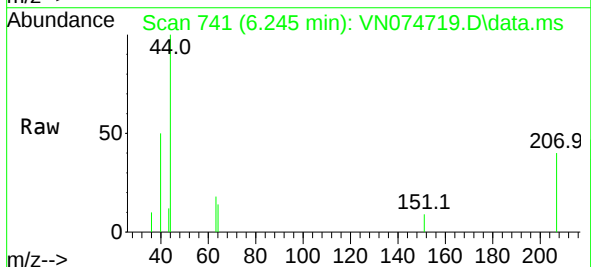
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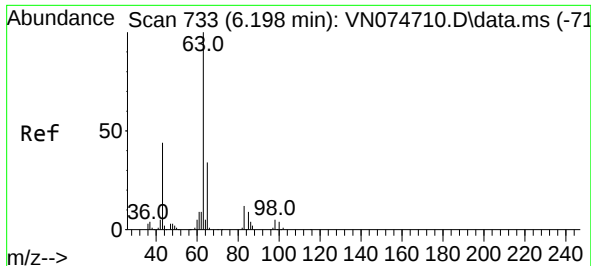
Tgt Ion: 84 Resp: 1880
Ion Ratio Lower Upper
84 100
49 84.4 88.3 132.5#
51 15.1 28.2 42.2#
86 1.7 50.6 76.0#



#23
Vinyl Acetate
Concen: 13.776 ug/l
RT: 6.245 min Scan# 741
Delta R.T. 0.000 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
86 0.0 10.0 15.0#





#24

1,1-Dichloroethane

Concen: 0.212 ug/l

RT: 6.204 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN074719.D

Acq: 03 Oct 2022 20:39

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-658-660DL

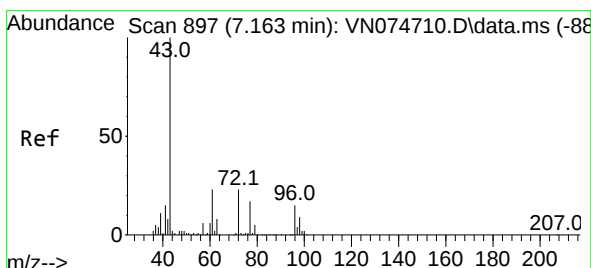
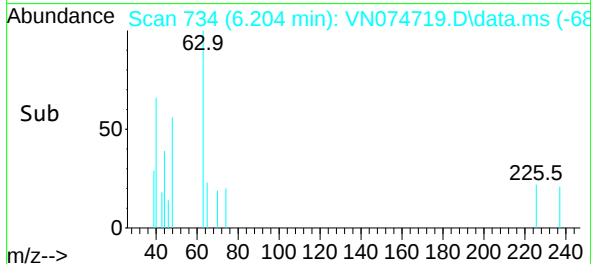
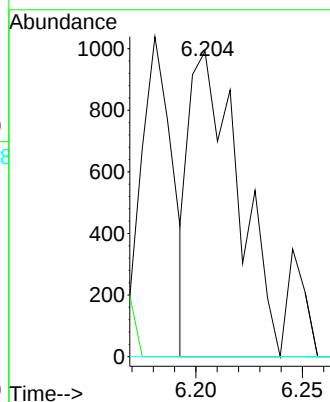
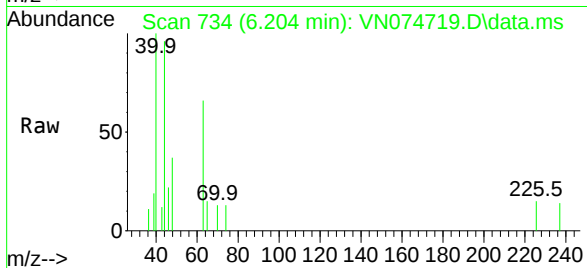
Tgt Ion: 63 Resp: 1591

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.3 6.8#



#25

2-Butanone

Concen: 1.499 ug/l

RT: 7.157 min Scan# 896

Delta R.T. -0.006 min

Lab File: VN074719.D

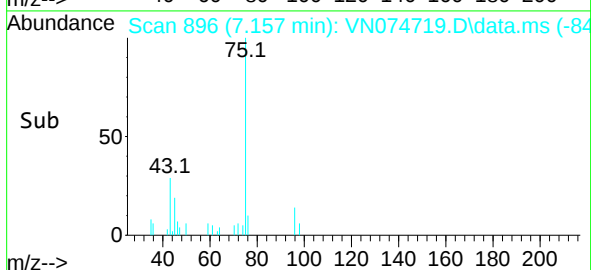
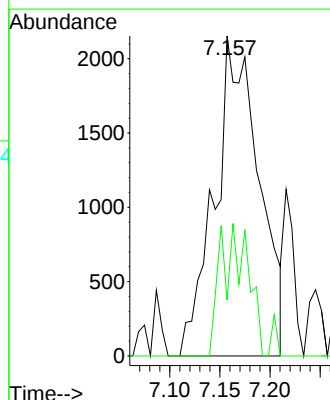
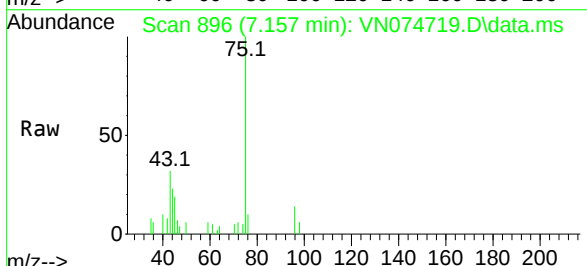
Acq: 03 Oct 2022 20:39

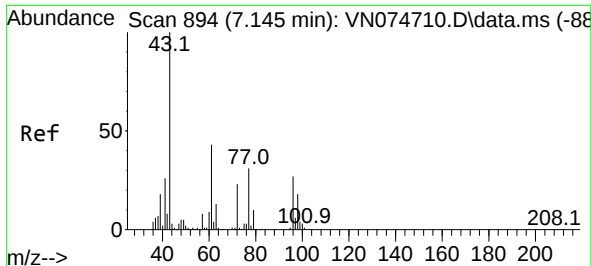
Tgt Ion: 43 Resp: 6625

Ion Ratio Lower Upper

43 100

72 17.5 23.7 35.5#

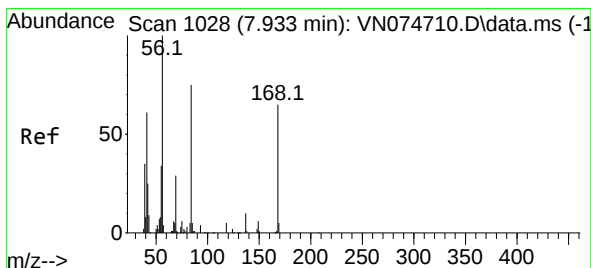
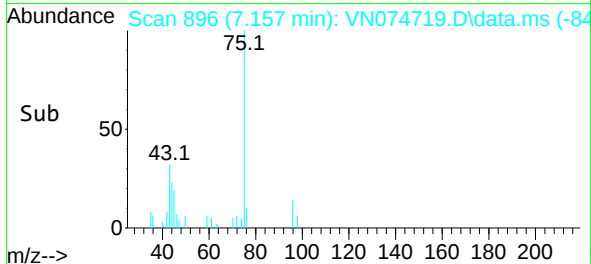
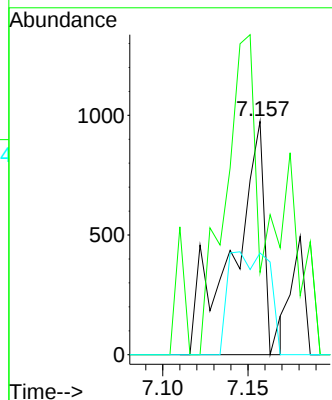
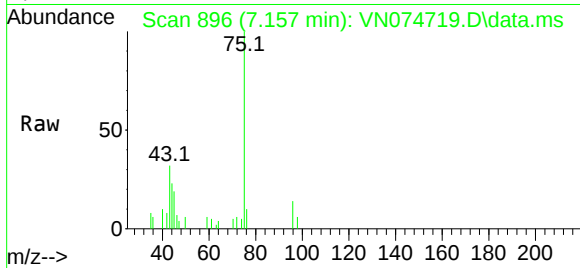




#27
 cis-1,2-Dichloroethene
 Concen: 0.282 ug/l
 RT: 7.157 min Scan# 894
 Delta R.T. 0.006 min
 Lab File: VN074719.D
 Acq: 03 Oct 2022 20:39

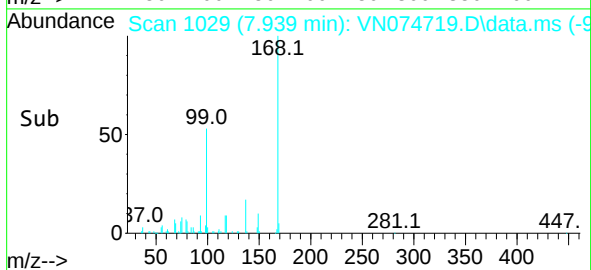
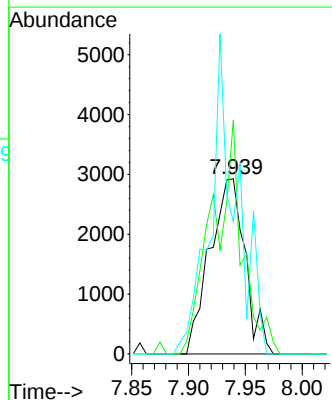
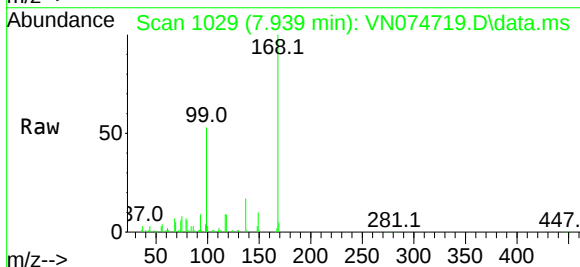
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-658-660DL

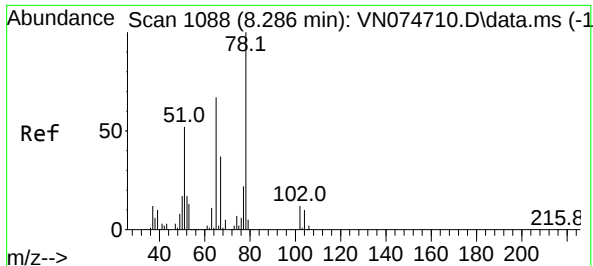
Tgt Ion: 96 Resp: 1277
 Ion Ratio Lower Upper
 96 100
 61 159.7 0.0 280.6
 98 55.9 0.0 128.4



#31
 Cyclohexane
 Concen: 0.877 ug/l
 RT: 7.939 min Scan# 1029
 Delta R.T. 0.006 min
 Lab File: VN074719.D
 Acq: 03 Oct 2022 20:39

Tgt Ion: 56 Resp: 6324
 Ion Ratio Lower Upper
 56 100
 69 133.3 27.8 41.8#
 84 75.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 53.422 ug/l

RT: 8.286 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VN074719.D

Acq: 03 Oct 2022 20:39

Instrument :

MSVOA_N

ClientSampleId :

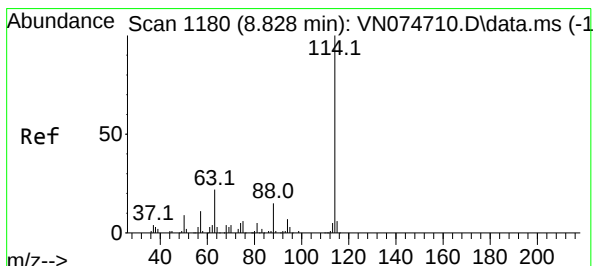
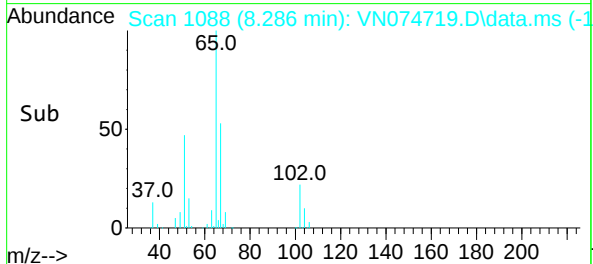
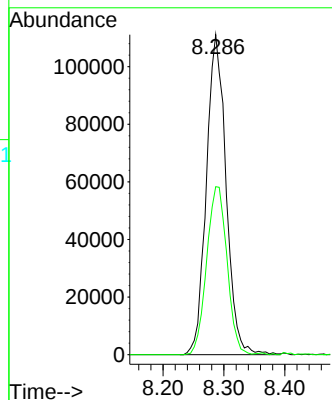
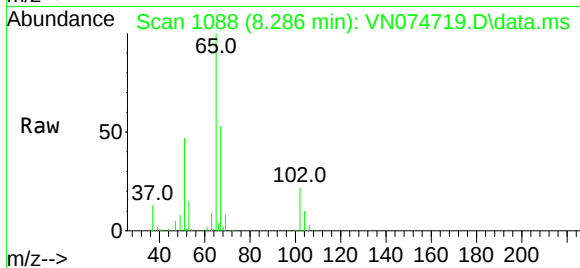
BP-VPB-RW5-GW-658-660DL

Tgt Ion: 65 Resp: 249299

Ion Ratio Lower Upper

65 100

67 54.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.828 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VN074719.D

Acq: 03 Oct 2022 20:39

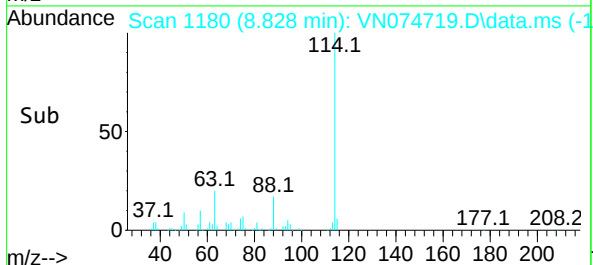
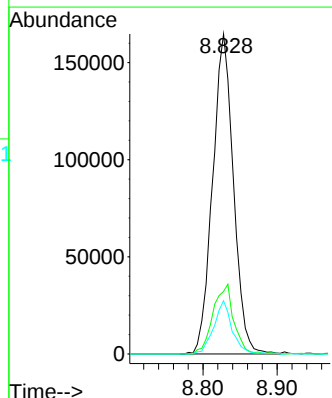
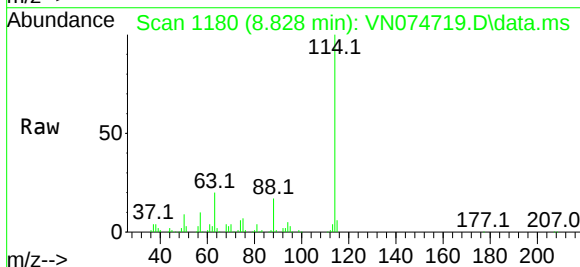
Tgt Ion: 114 Resp: 321900

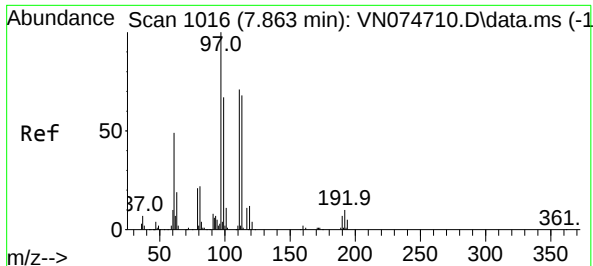
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 16.6 0.0 32.6

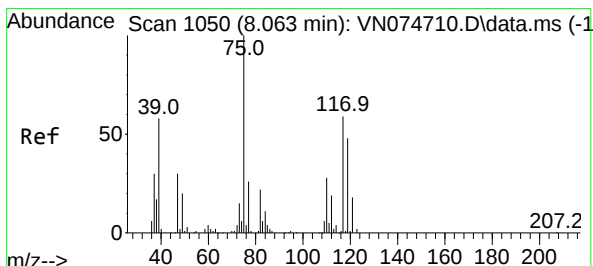
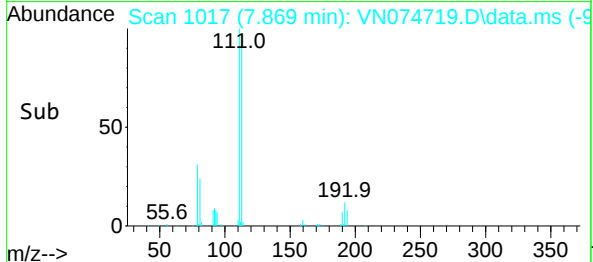
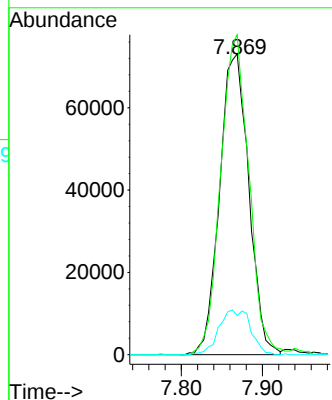
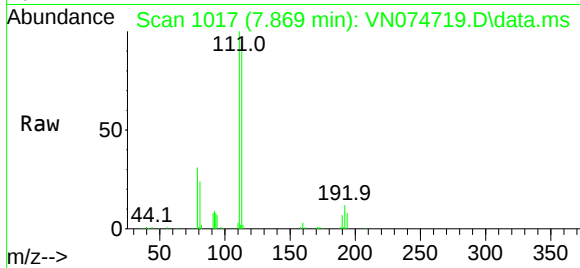




#35
Dibromofluoromethane
Concen: 52.815 ug/l
RT: 7.869 min Scan# 1016
Delta R.T. -0.000 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

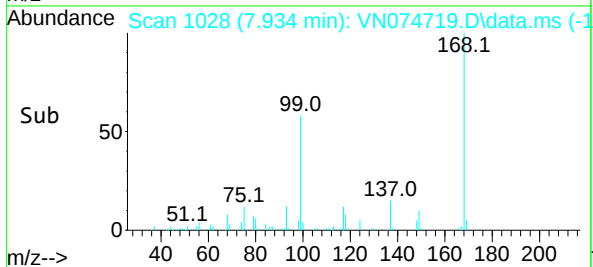
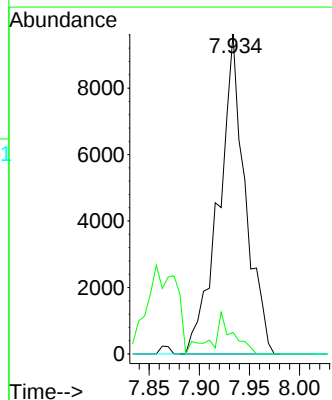
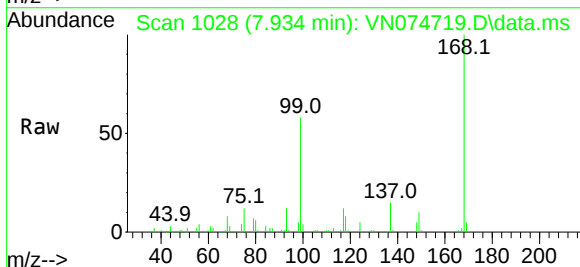
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-658-660DL

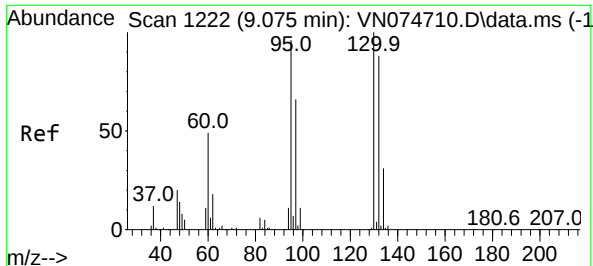
Tgt Ion:113 Resp: 182766
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 16.1 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 3.127 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

Tgt Ion: 75 Resp: 17624
Ion Ratio Lower Upper
75 100
110 8.1 18.3 54.8#
77 0.0 25.1 37.7#

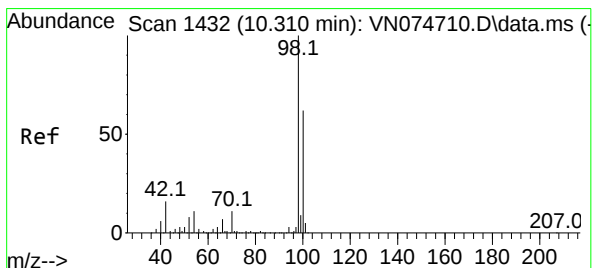
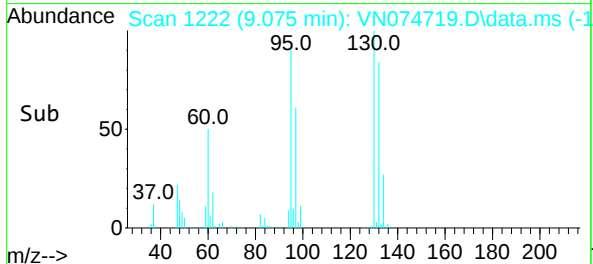
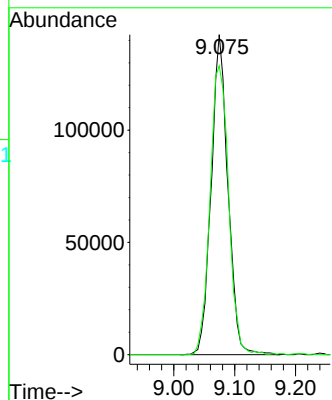
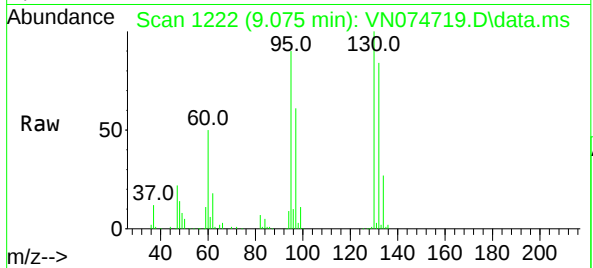




#44
Trichloroethene
Concen: 71.730 ug/l
RT: 9.075 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

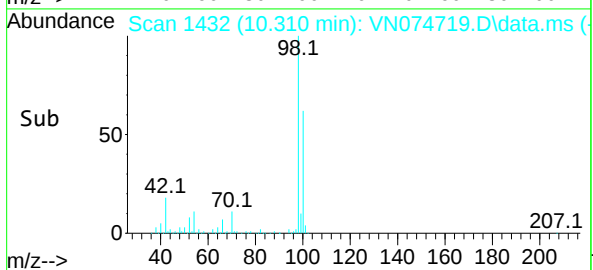
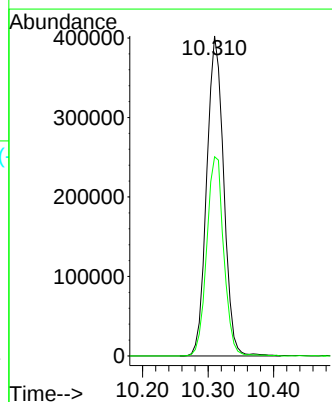
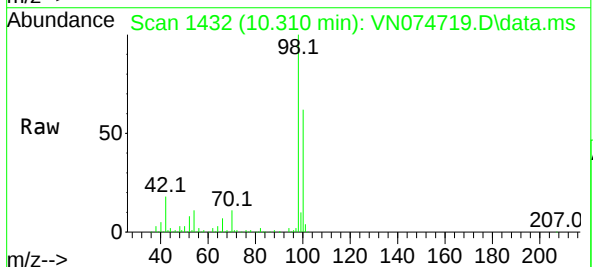
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-658-660DL

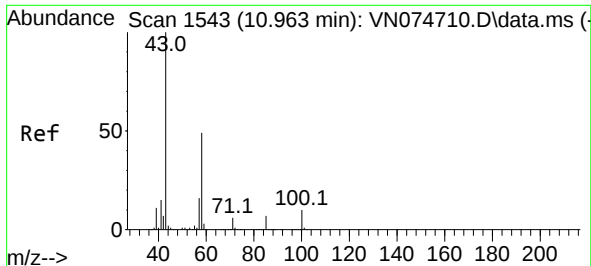
Tgt Ion:130 Resp: 272120
Ion Ratio Lower Upper
130 100
95 90.3 0.0 186.8



#50
Toluene-d8
Concen: 50.892 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

Tgt Ion: 98 Resp: 723887
Ion Ratio Lower Upper
98 100
100 62.7 52.6 78.8

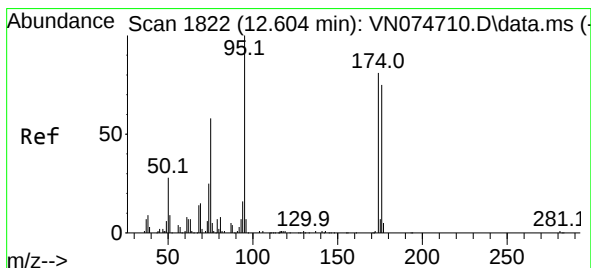
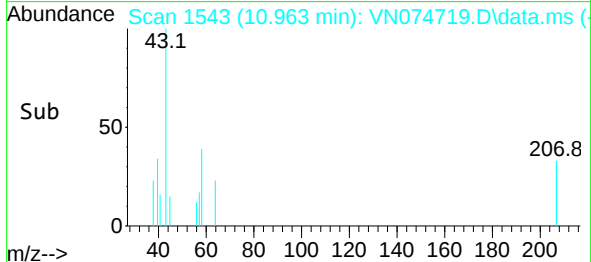
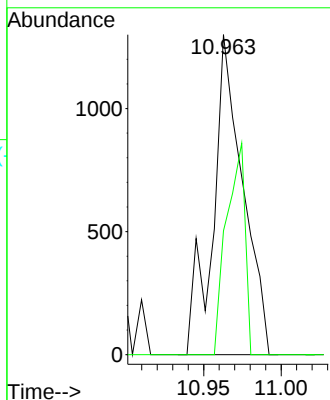
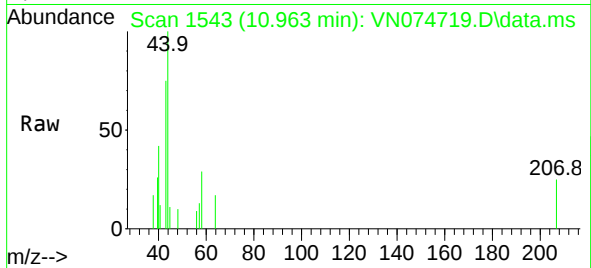




#59
2-Hexanone
Concen: 0.269 ug/l
RT: 10.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

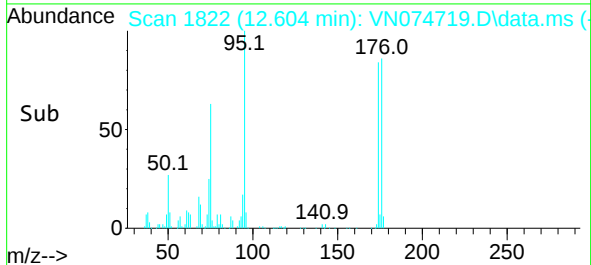
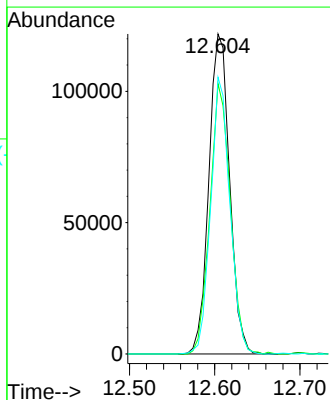
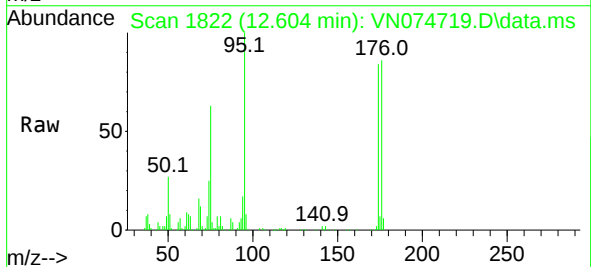
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-658-660DL

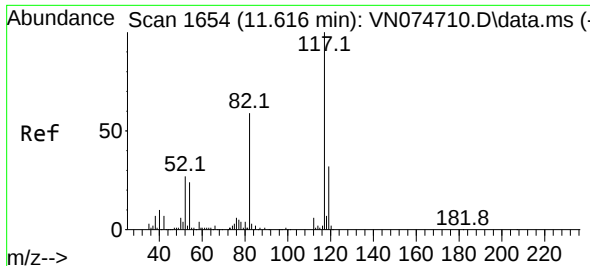
Tgt Ion: 43 Resp: 1746
Ion Ratio Lower Upper
43 100
58 40.8 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 42.926 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

Tgt Ion: 95 Resp: 205468
Ion Ratio Lower Upper
95 100
174 83.2 0.0 167.6
176 80.4 0.0 163.4

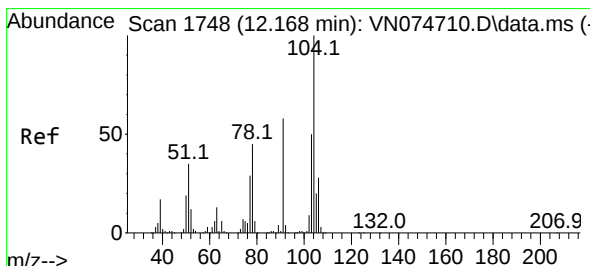
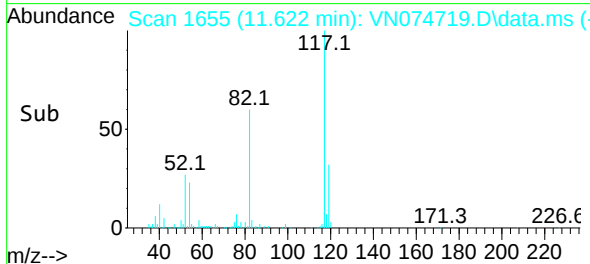
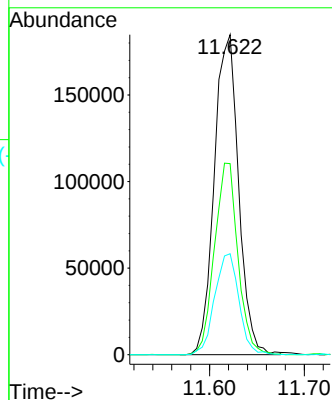
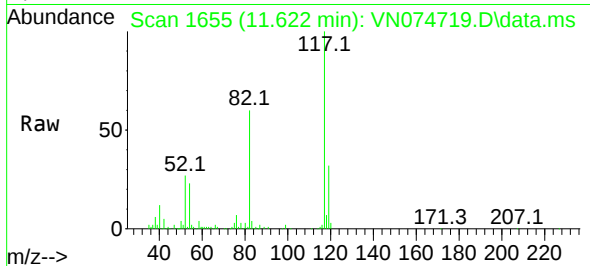




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

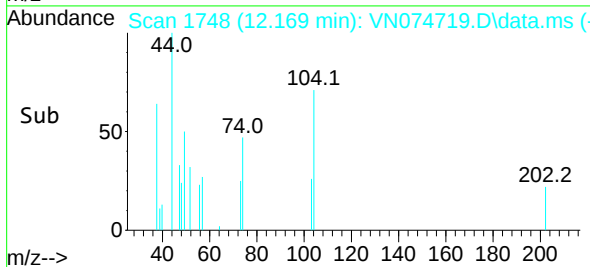
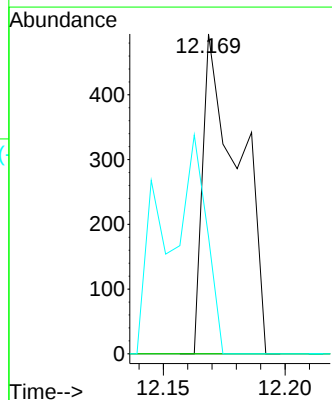
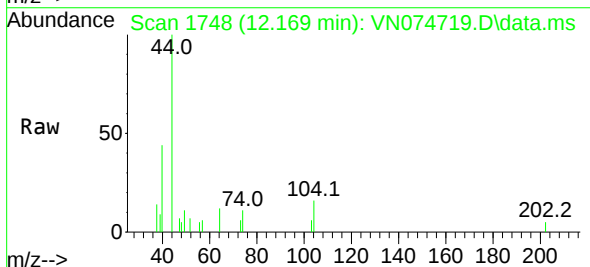
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-658-660DL

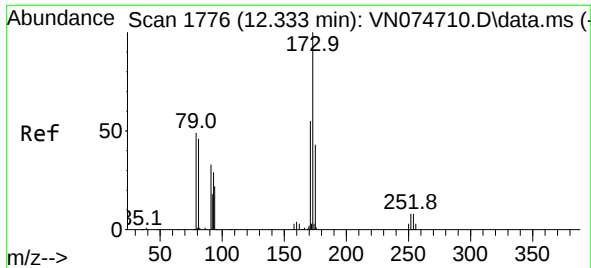
Tgt Ion:117 Resp: 329973
Ion Ratio Lower Upper
117 100
82 59.7 44.2 66.2
119 31.6 25.4 38.0



#70
Styrene
Concen: 3.011 ug/l
RT: 12.169 min Scan# 1748
Delta R.T. 0.001 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

Tgt Ion:104 Resp: 510
Ion Ratio Lower Upper
104 100
78 0.0 39.5 59.3#
103 76.7 44.0 66.0#

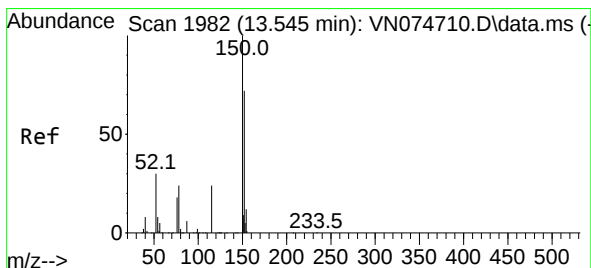
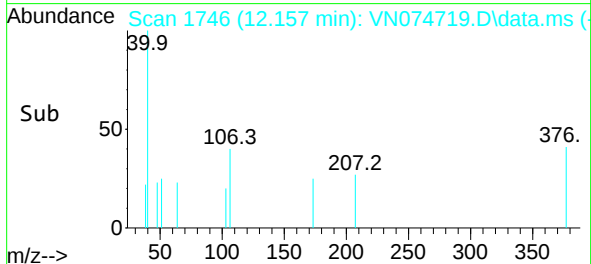
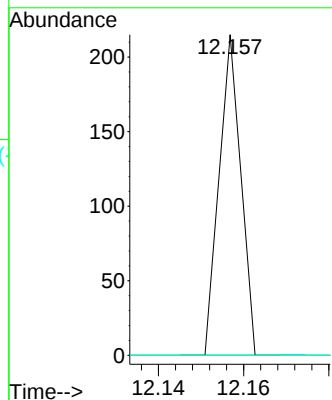
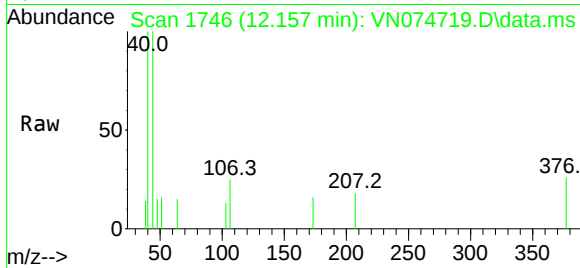




#71
Bromoform
Concen: Below Cal
RT: 12.157 min Scan# 1746
Delta R.T. -0.176 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

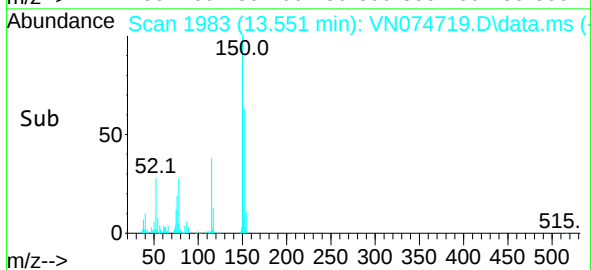
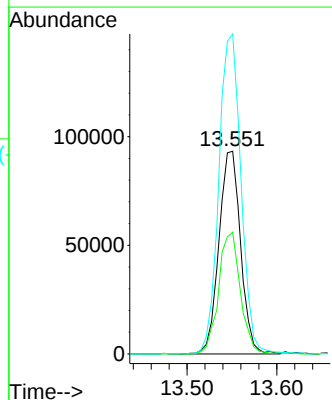
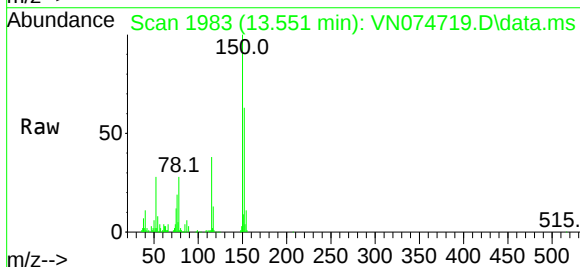
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-658-660DL

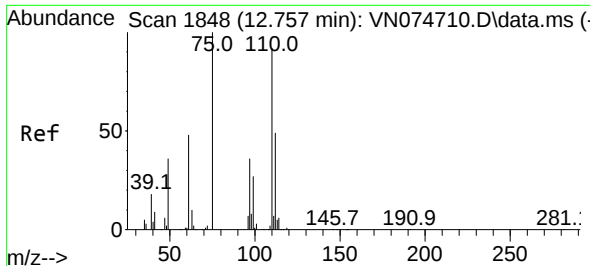
Tgt Ion:173 Resp: 76
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

Tgt Ion:152 Resp: 156582
Ion Ratio Lower Upper
152 100
115 60.3 28.9 86.7
150 161.7 0.0 356.2

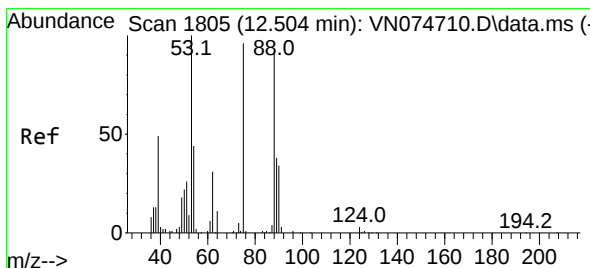
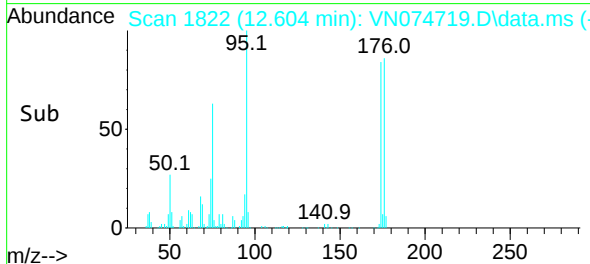
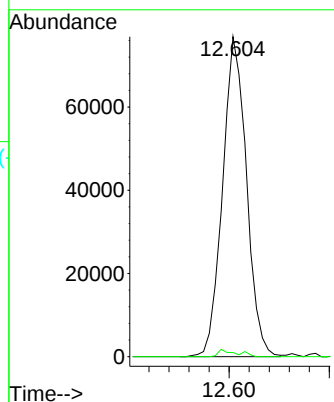
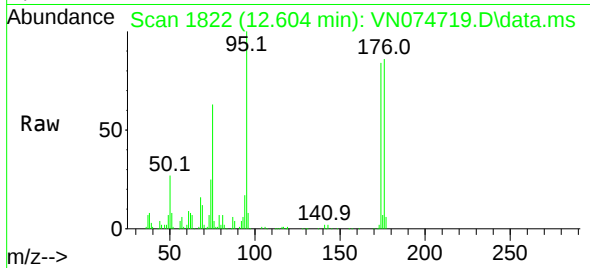




#76
1,2,3-Trichloropropane
Concen: 34.931 ug/l
RT: 12.604 min Scan# 1848
Delta R.T. -0.153 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

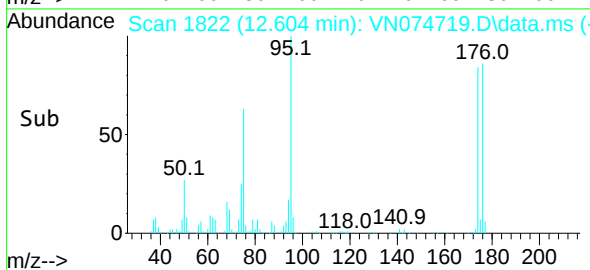
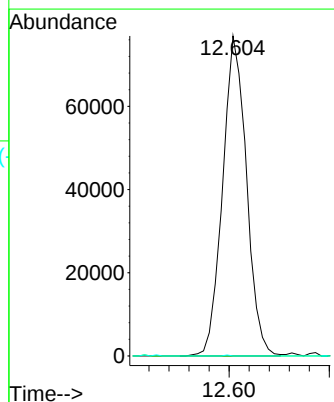
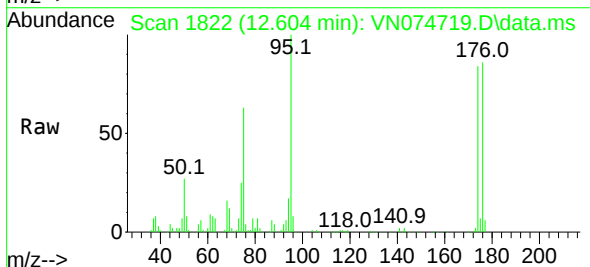
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-658-660DL

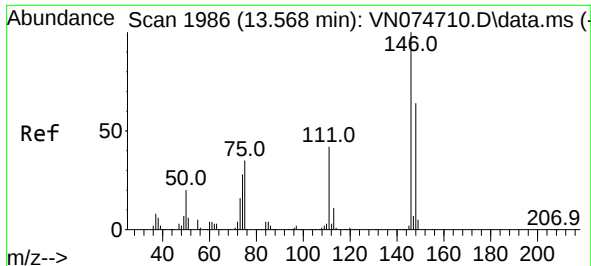
Tgt Ion: 75 Resp: 126899
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.629 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

Tgt Ion: 75 Resp: 126899
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

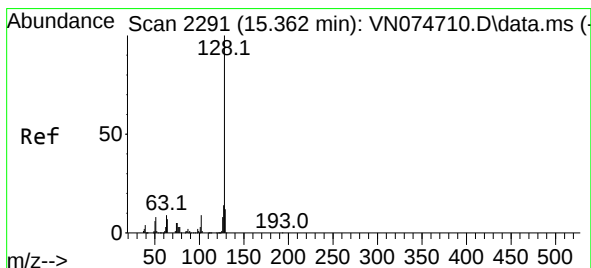
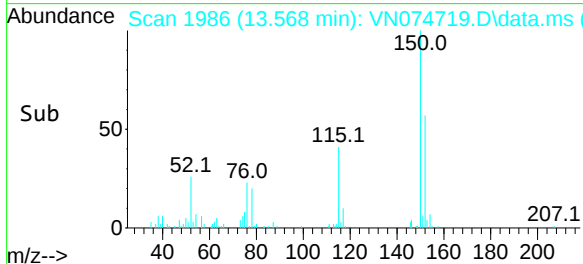
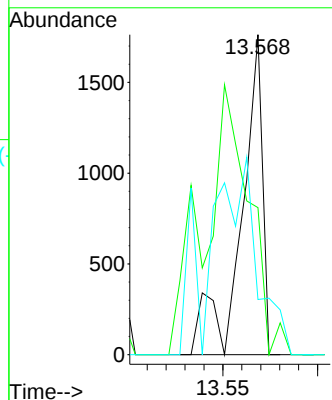
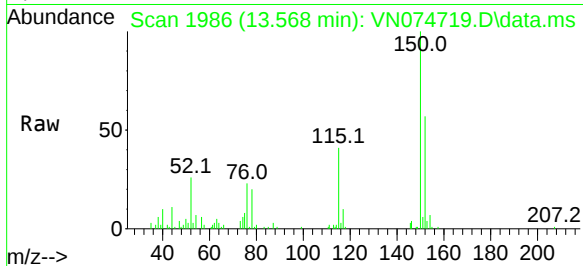




#88
1,4-Dichlorobenzene
Concen: 0.237 ug/l
RT: 13.568 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

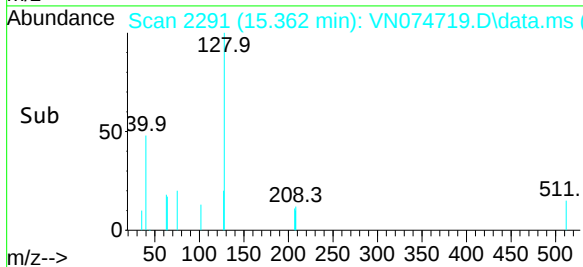
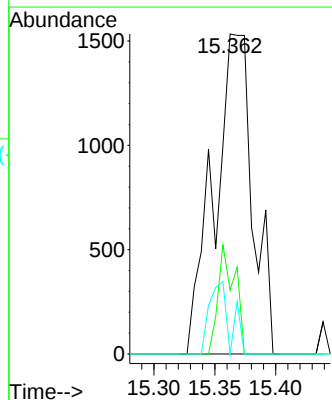
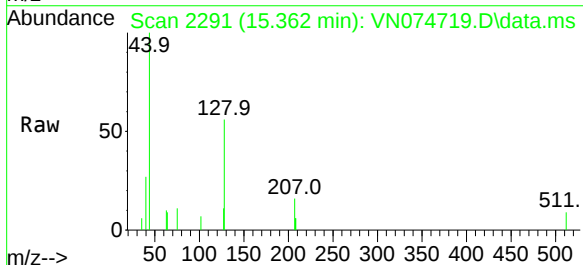
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-658-660DL

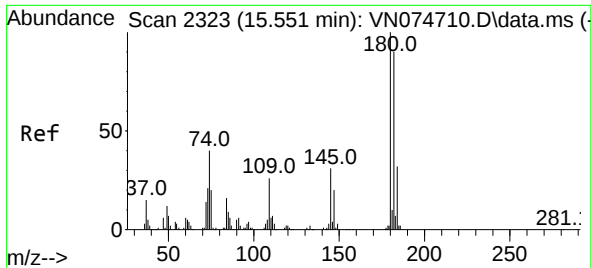
Tgt Ion:146 Resp: 1363
Ion Ratio Lower Upper
146 100
111 180.0 19.1 57.1#
148 138.3 31.4 94.3#



#95
Naphthalene
Concen: 0.353 ug/l
RT: 15.362 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VN074719.D
Acq: 03 Oct 2022 20:39

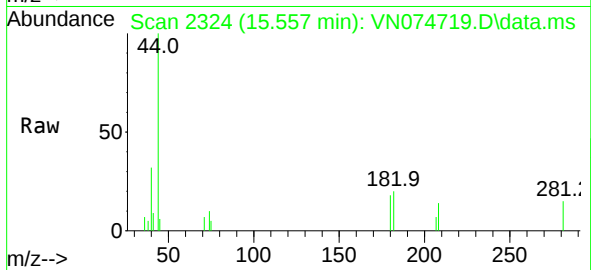
Tgt Ion:128 Resp: 3378
Ion Ratio Lower Upper
128 100
127 14.9 10.3 15.5
129 12.0 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.207 ug/l
 RT: 15.557 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN074719.D
 Acq: 03 Oct 2022 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-658-660DL



Tgt Ion	Ratio	Lower	Upper
180	100		
182	145.6	47.8	143.3#
145	0.0	15.5	46.5#

