

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100322\
 Data File : VN074720.D
 Acq On : 03 Oct 2022 21:04
 Operator : JC\MD
 Sample : N4933-05DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-698-700DL

Quant Time: Oct 04 06:15:37 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)

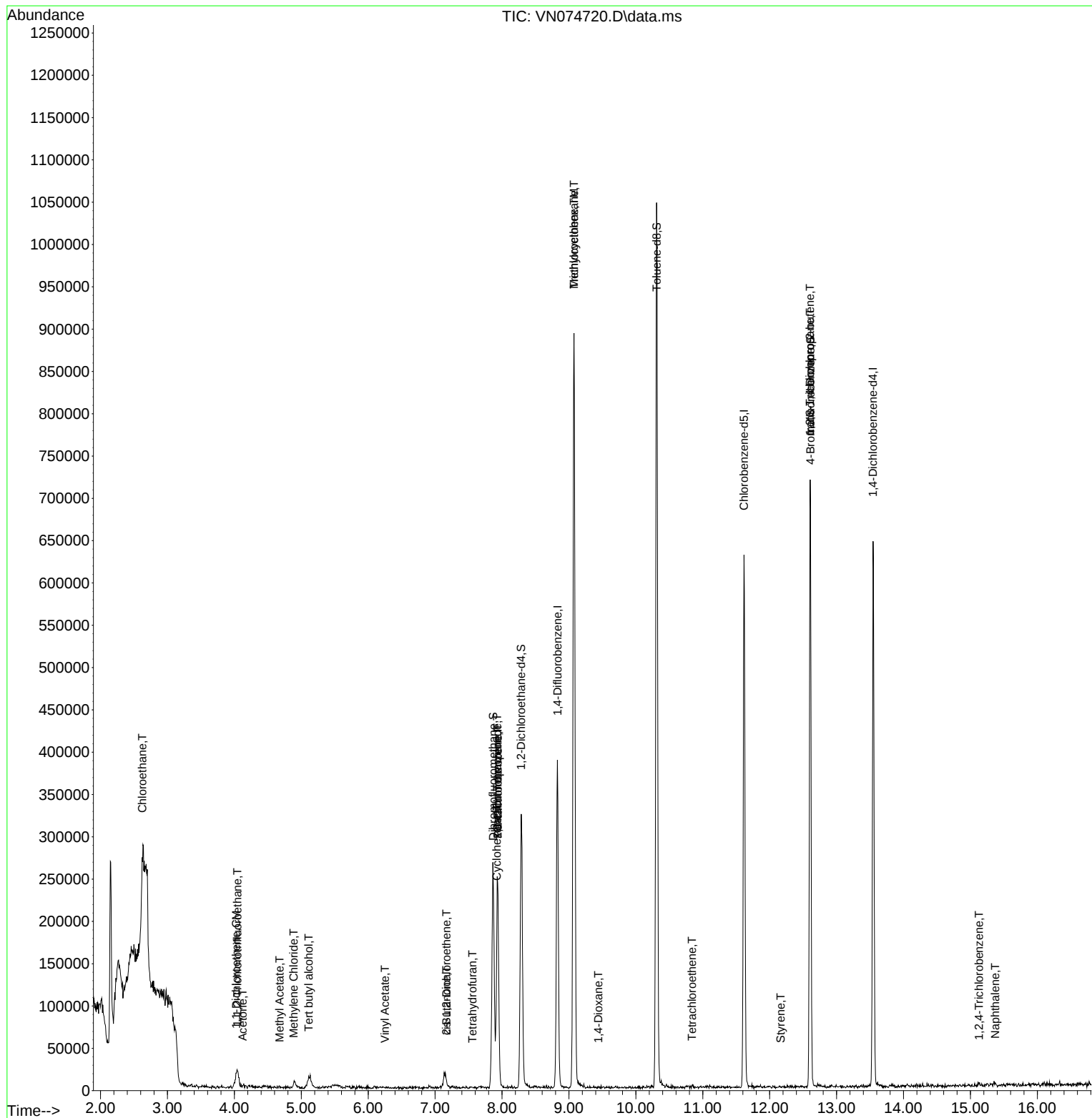
Internal Standards						
1) Pentafluorobenzene	7.934	168	177766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	313076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	320239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	150920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.287	65	242192	54.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.440%			
35) Dibromofluoromethane	7.869	113	176252	52.368	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.740%			
50) Toluene-d8	10.310	98	693063	50.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.610	95	200525	43.060	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.120%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.216	50	1543	Below Cal	#	43
6) Chloroethane	2.622	64	64465	7.564	ug/l #	57
9) 1,1,2-Trichlorotrifluo...	4.046	101	9736	3.030	ug/l #	79
11) Tert butyl alcohol	5.110	59	7631	7.825	ug/l #	72
12) 1,1-Dichloroethene	4.028	96	6217	1.944	ug/l #	60
13) Acrolein	3.793	56	134	Below Cal	#	16
16) Acetone	4.122	43	2041	0.857	ug/l #	74
18) Methyl Acetate	4.675	43	2747	0.338	ug/l #	57
20) Methylene Chloride	4.887	84	1570	0.434	ug/l #	75
23) Vinyl Acetate	6.251	43	186	13.779	ug/l #	68
25) 2-Butanone	7.169	43	3312	0.783	ug/l #	70
27) cis-1,2-Dichloroethene	7.169	96	1513	0.349	ug/l #	68
29) Tetrahydrofuran	7.557	42	1072	0.385	ug/l #	42
31) Cyclohexane	7.922	56	6453	0.935	ug/l #	70
36) 1,1-Dichloropropene	7.934	75	17773	3.242	ug/l #	47
38) Carbon Tetrachloride	7.928	117	18700	3.858	ug/l #	16
39) Methylcyclohexane	9.075	83	4097	0.617	ug/l #	1
44) Trichloroethene	9.075	130	285373	77.343	ug/l	94
49) 1,4-Dioxane	9.439	88	120	1.211	ug/l #	68
64) Tetrachloroethene	10.839	164	1011	0.387	ug/l #	21
70) Styrene	12.163	104	63	2.980	ug/l #	25
76) 1,2,3-Trichloropropane	12.604	75	129179	37.001	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.604	75	129179	98.887	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.127	180	579	0.238	ug/l	87
95) Naphthalene	15.368	128	3561	0.386	ug/l #	69

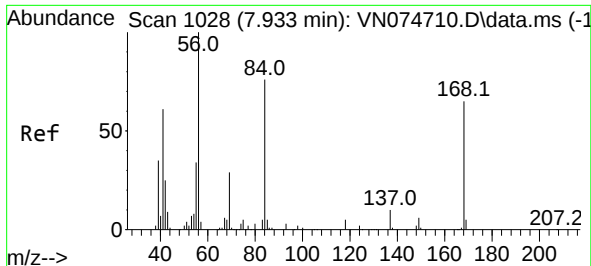
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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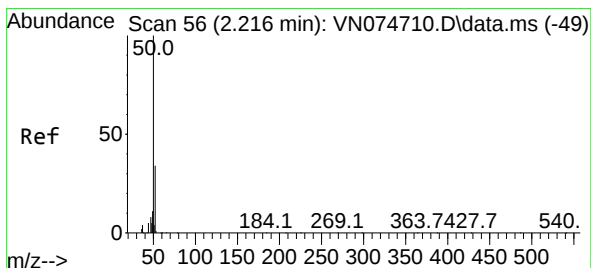
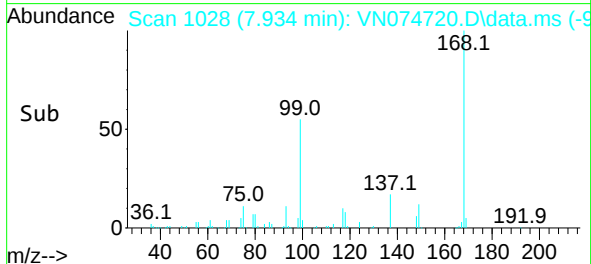
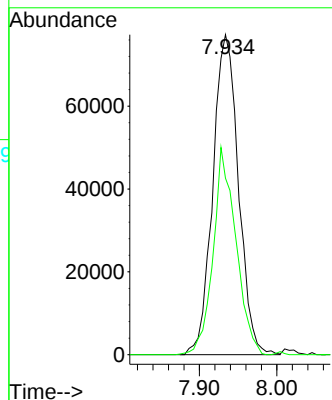
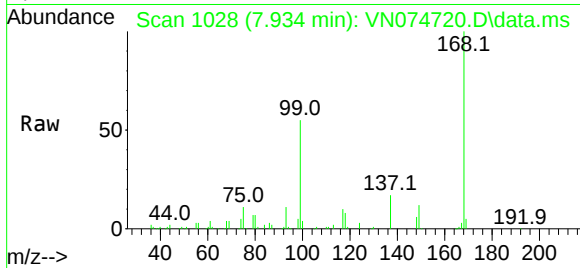




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

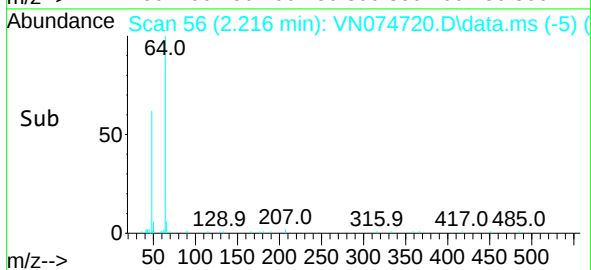
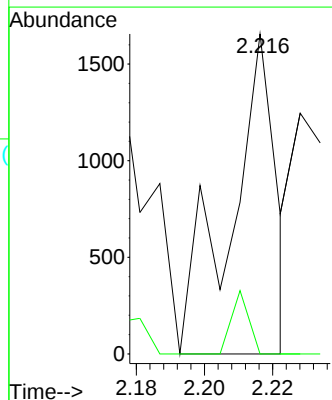
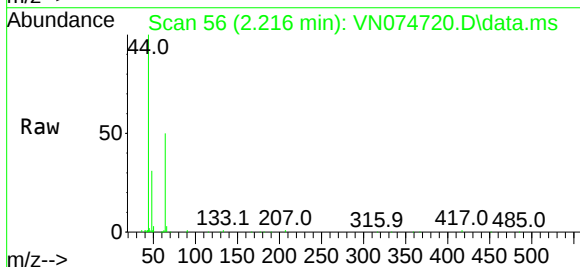
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-698-700DL

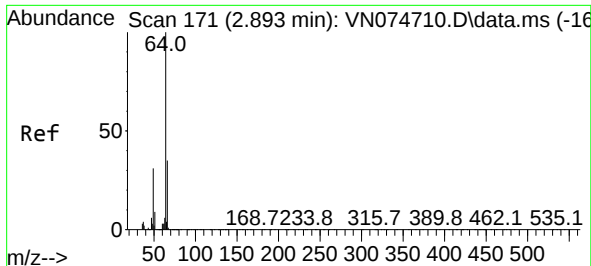
Tgt Ion:168 Resp: 177766
Ion Ratio Lower Upper
168 100
99 54.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

Tgt Ion: 50 Resp: 1543
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

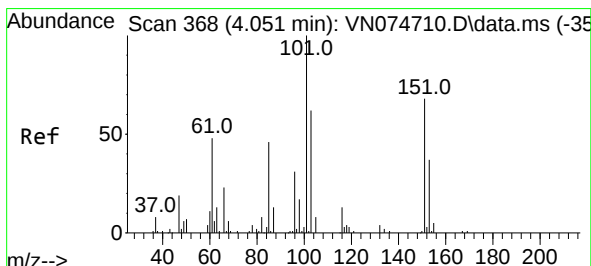
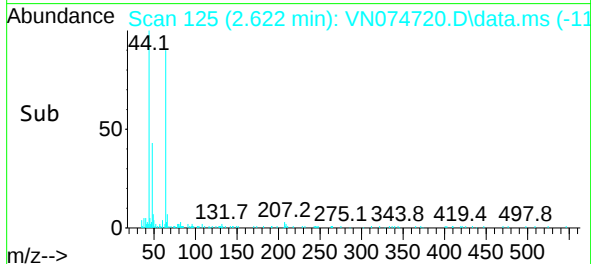
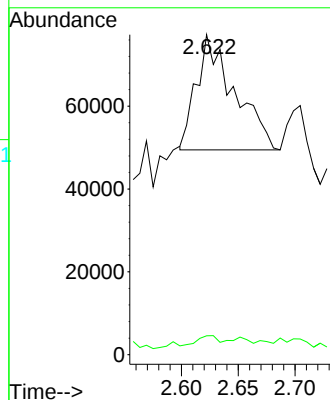
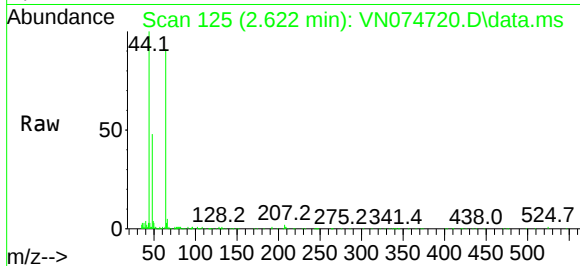




#6
Chloroethane
Concen: 7.564 ug/l
RT: 2.622 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

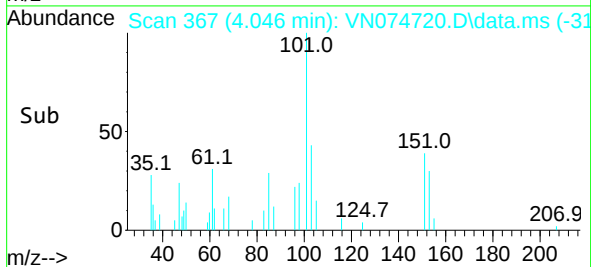
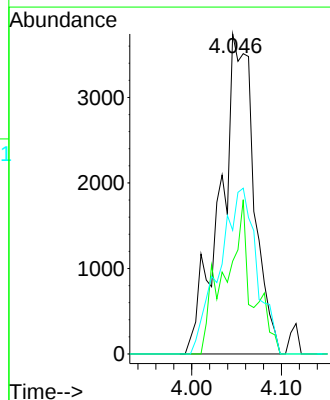
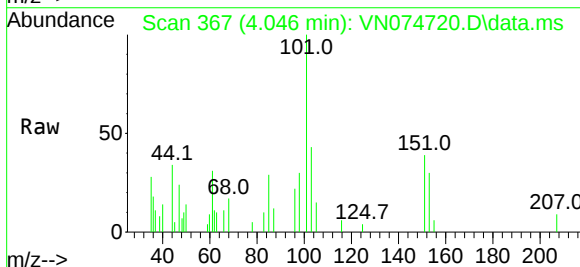
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-698-700DL

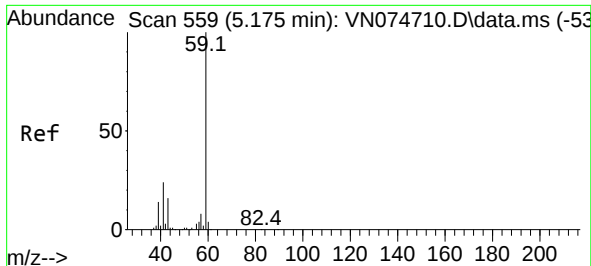
Tgt Ion: 64 Resp: 64465
Ion Ratio Lower Upper
64 100
66 8.7 26.2 39.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.030 ug/l
RT: 4.046 min Scan# 367
Delta R.T. 0.001 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

Tgt Ion: 101 Resp: 9736
Ion Ratio Lower Upper
101 100
85 32.9 34.7 52.1#
151 58.0 63.0 94.4#

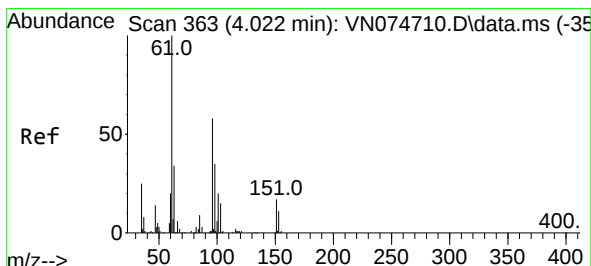
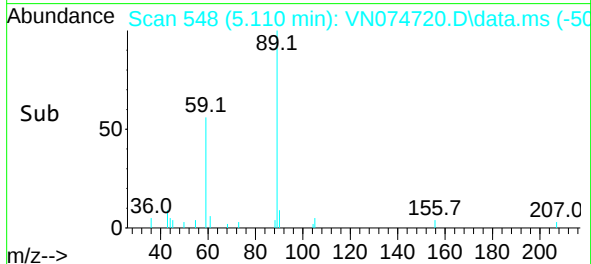
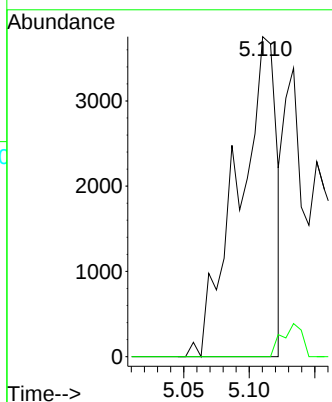
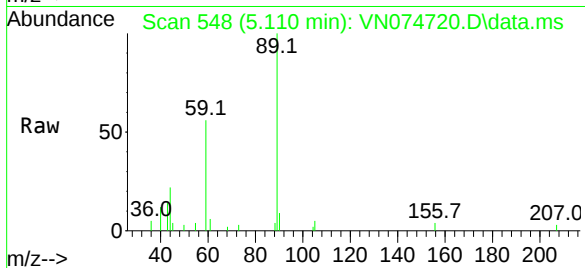




#11
Tert butyl alcohol
Concen: 7.825 ug/l
RT: 5.110 min Scan# 54
Delta R.T. -0.059 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

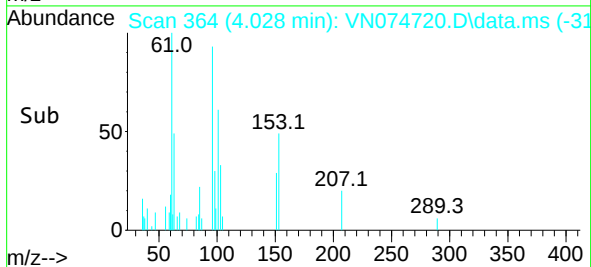
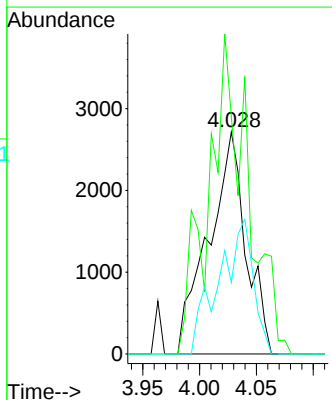
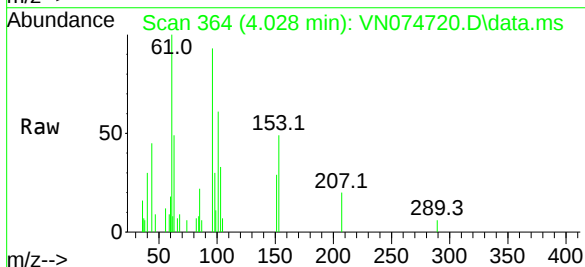
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-698-700DL

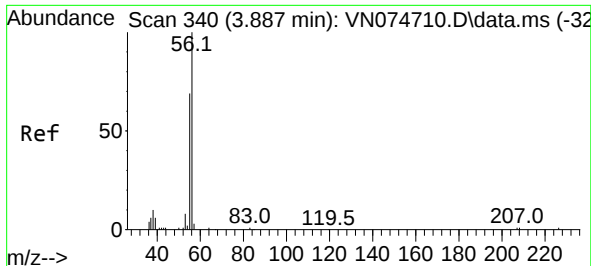
Tgt Ion: 59 Resp: 7631
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 1.944 ug/l
RT: 4.028 min Scan# 364
Delta R.T. 0.012 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

Tgt Ion: 96 Resp: 6217
Ion Ratio Lower Upper
96 100
61 107.0 127.6 191.4#
98 32.2 51.2 76.8#

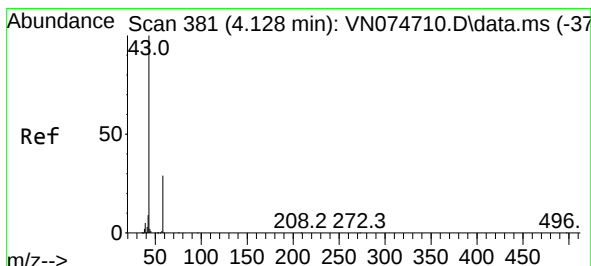
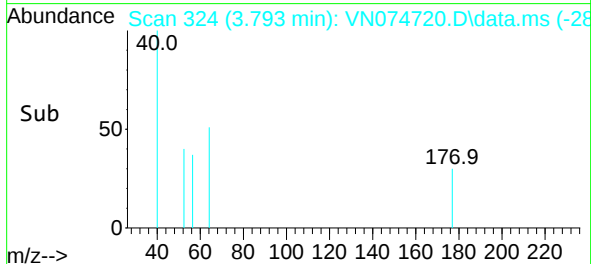
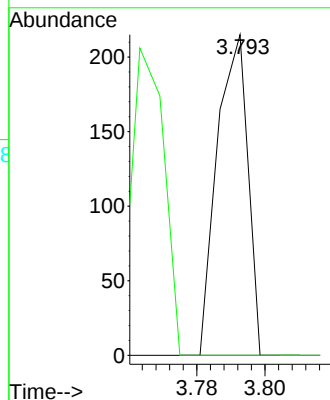
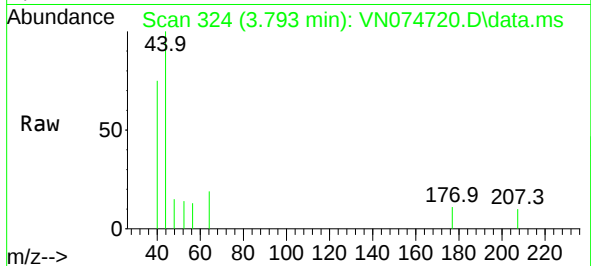




#13
Acrolein
Concen: Below Cal
RT: 3.793 min Scan# 31
Delta R.T. -0.094 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

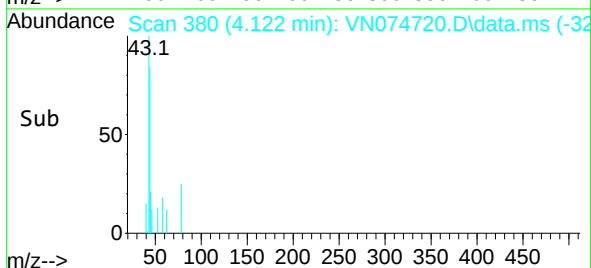
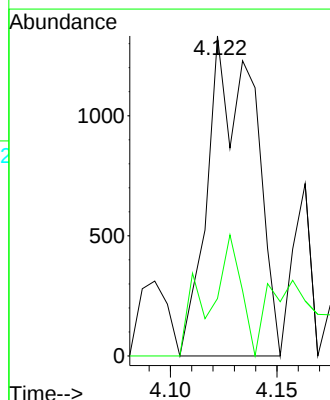
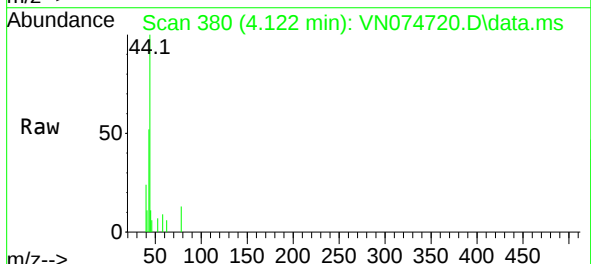
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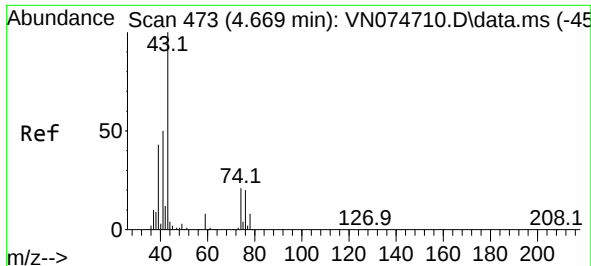
Tgt Ion: 56 Resp: 134
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 0.857 ug/l
RT: 4.122 min Scan# 380
Delta R.T. 0.000 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

Tgt Ion: 43 Resp: 2041
Ion Ratio Lower Upper
43 100
58 17.9 26.0 39.0#

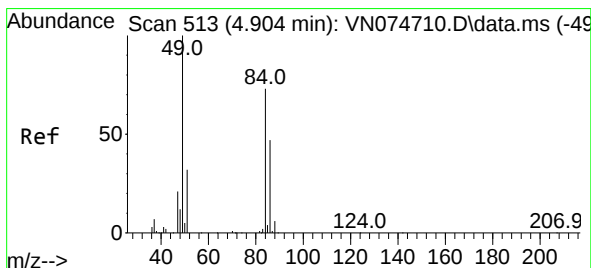
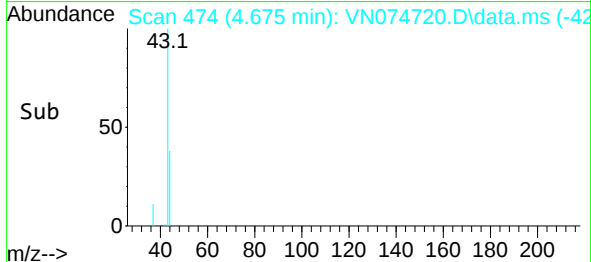
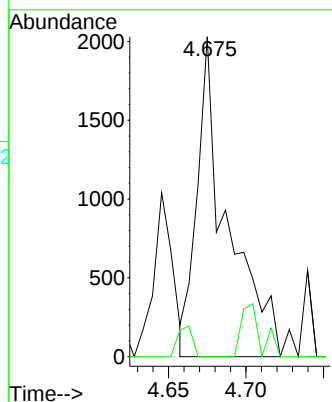
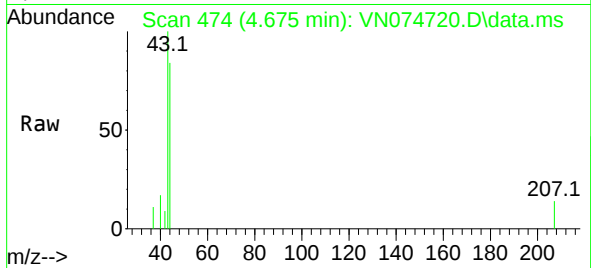




#18
Methyl Acetate
Concen: 0.338 ug/l
RT: 4.675 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

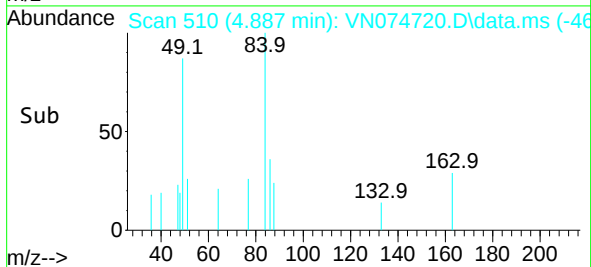
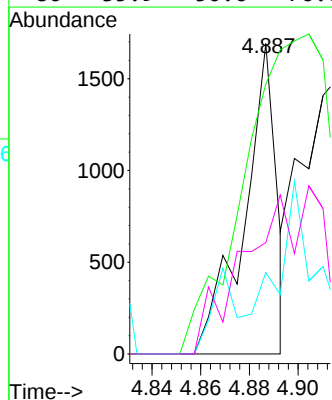
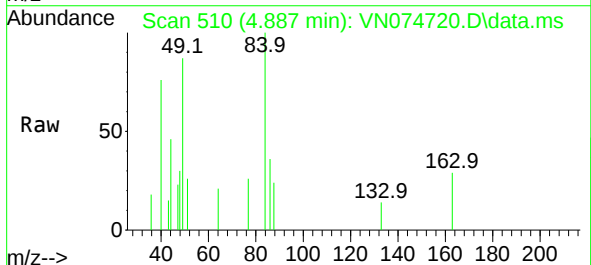
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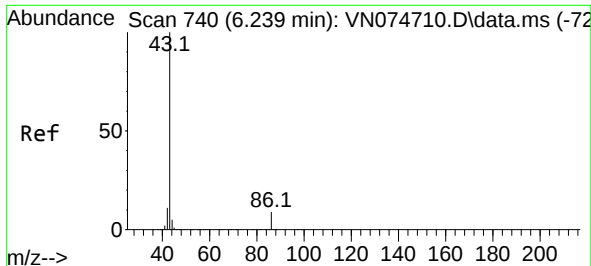
Tgt Ion: 43 Resp: 2747
Ion Ratio Lower Upper
43 100
74 4.6 21.6 32.4#



#20
Methylene Chloride
Concen: 0.434 ug/l
RT: 4.887 min Scan# 510
Delta R.T. -0.011 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

Tgt Ion: 84 Resp: 1570
Ion Ratio Lower Upper
84 100
49 86.9 88.3 132.5#
51 26.2 28.2 42.2#
86 35.9 50.6 76.0#

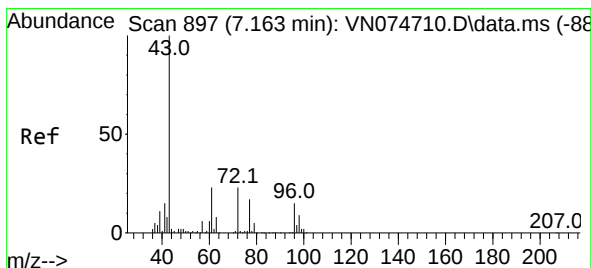
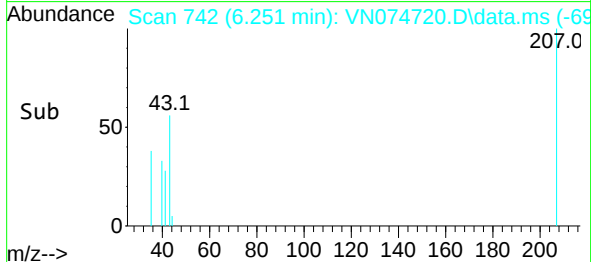
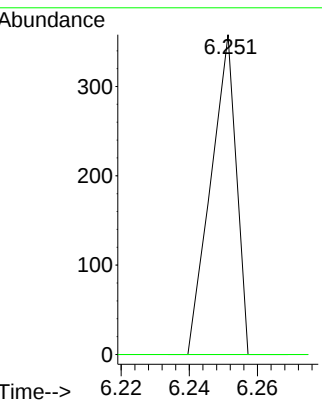
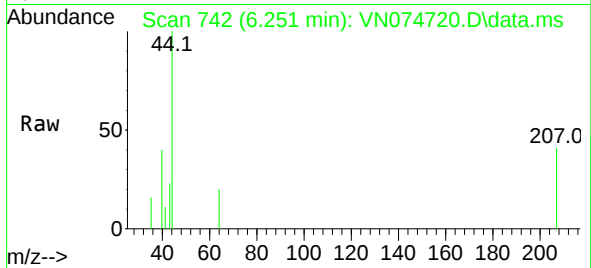




#23
 Vinyl Acetate
 Concen: 13.779 ug/l
 RT: 6.251 min Scan# 741
 Delta R.T. 0.006 min
 Lab File: VN074720.D
 Acq: 03 Oct 2022 21:04

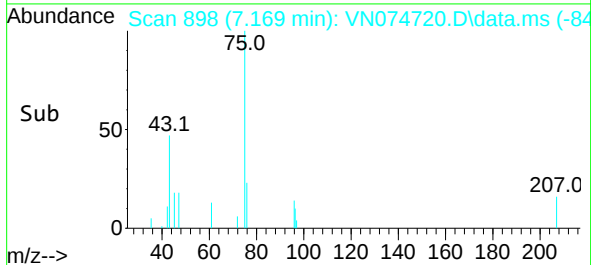
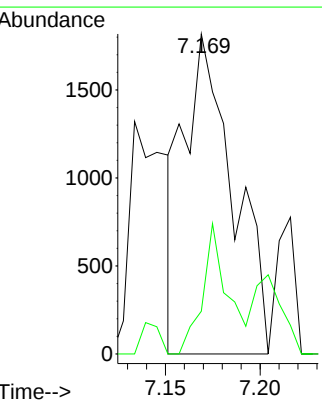
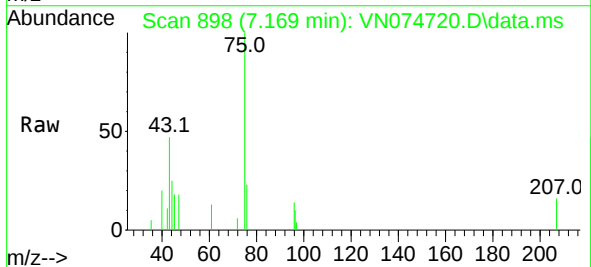
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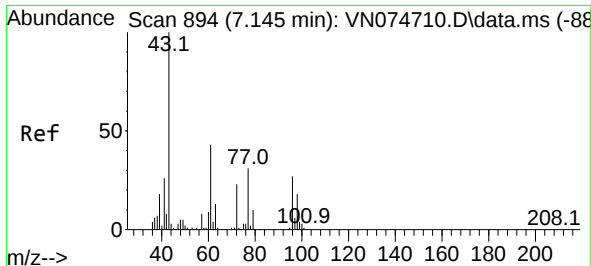
Tgt Ion: 43 Resp: 186
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 0.783 ug/l
 RT: 7.169 min Scan# 898
 Delta R.T. 0.006 min
 Lab File: VN074720.D
 Acq: 03 Oct 2022 21:04

Tgt Ion: 43 Resp: 3312
 Ion Ratio Lower Upper
 43 100
 72 13.3 23.7 35.5#

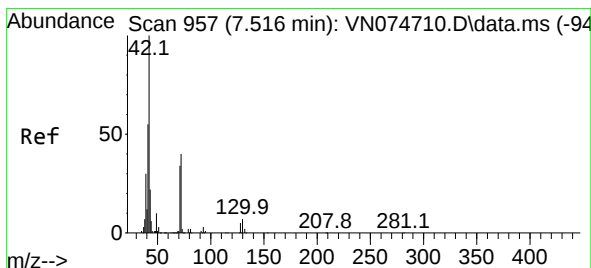
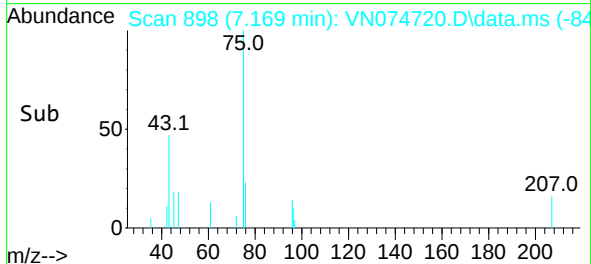
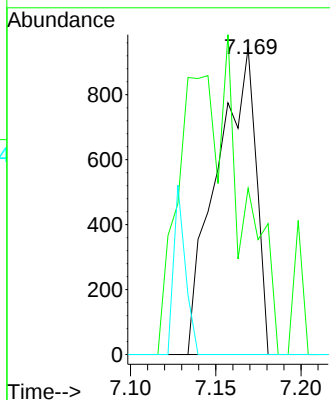
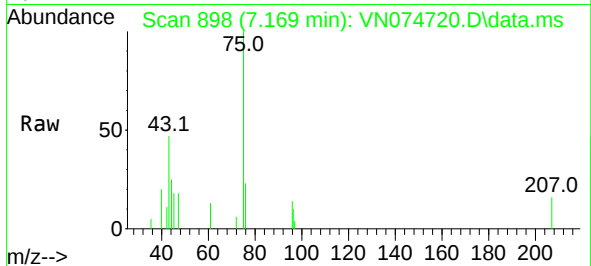




#27
 cis-1,2-Dichloroethene
 Concen: 0.349 ug/l
 RT: 7.169 min Scan# 894
 Delta R.T. 0.018 min
 Lab File: VN074720.D
 Acq: 03 Oct 2022 21:04

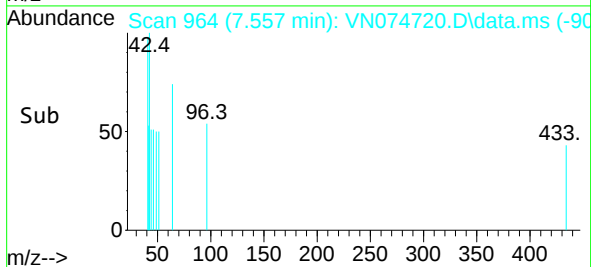
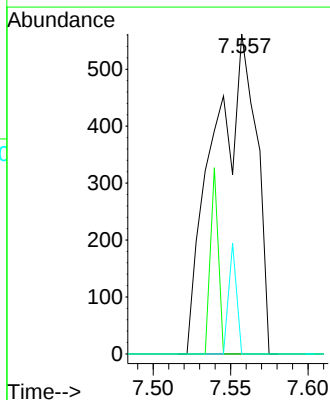
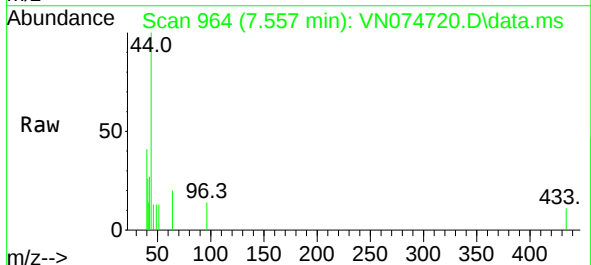
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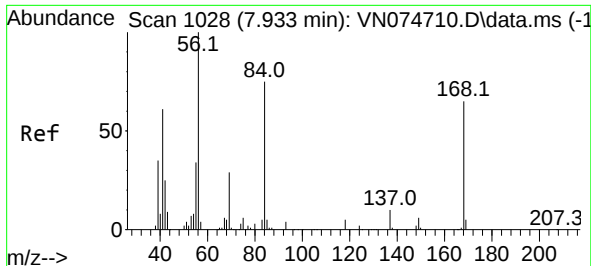
Tgt Ion: 96 Resp: 1513
 Ion Ratio Lower Upper
 96 100
 61 150.8 0.0 280.6
 98 0.0 0.0 128.4



#29
 Tetrahydrofuran
 Concen: 0.385 ug/l
 RT: 7.557 min Scan# 964
 Delta R.T. 0.041 min
 Lab File: VN074720.D
 Acq: 03 Oct 2022 21:04

Tgt Ion: 42 Resp: 1072
 Ion Ratio Lower Upper
 42 100
 72 10.7 39.7 59.5#
 71 6.3 36.6 55.0#

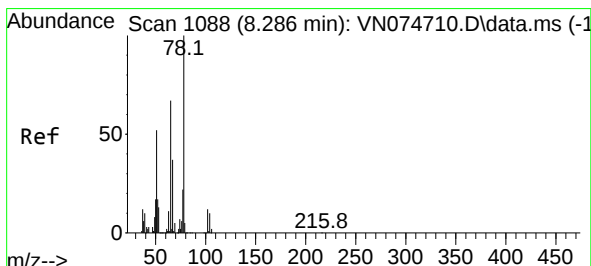
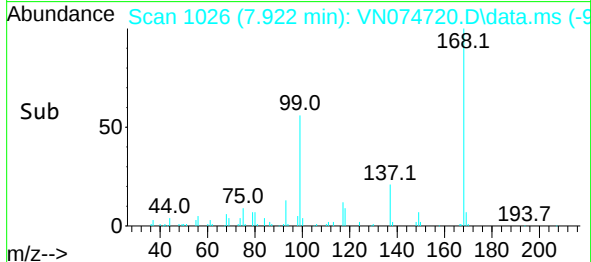
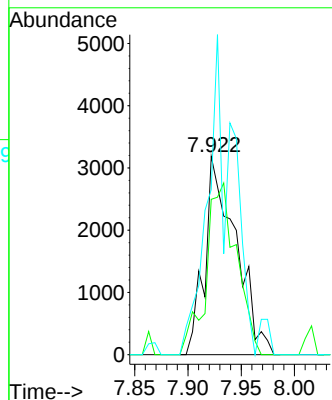
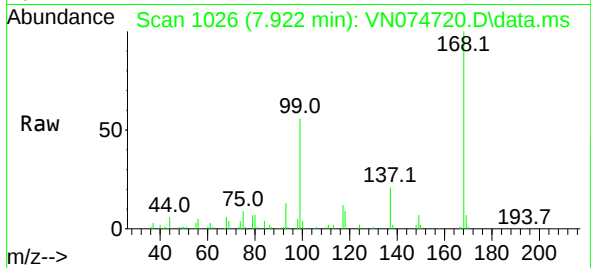




#31
Cyclohexane
Concen: 0.935 ug/l
RT: 7.922 min Scan# 1026
Delta R.T. -0.011 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

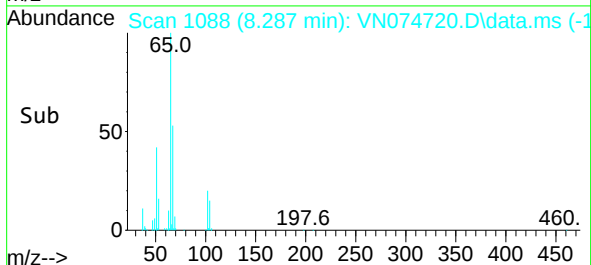
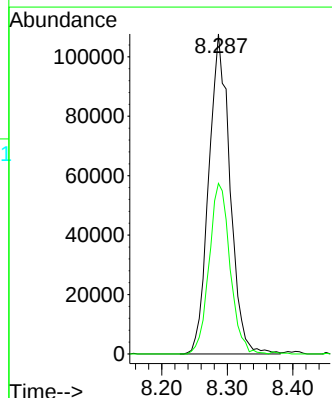
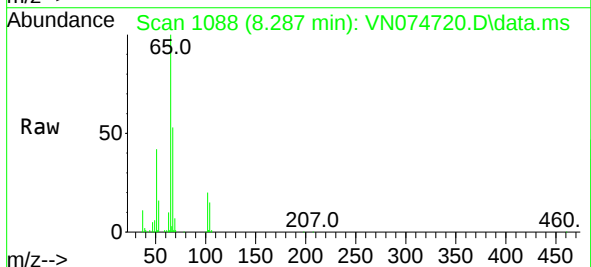
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-698-700DL

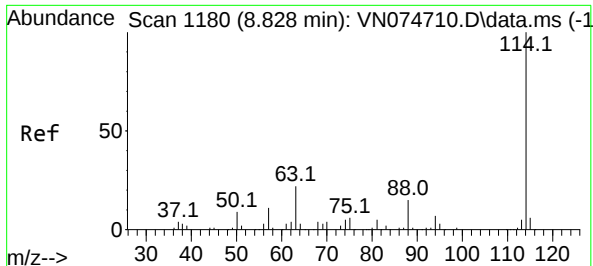
Tgt Ion: 56 Resp: 6453
Ion Ratio Lower Upper
56 100
69 78.4 27.8 41.8#
84 83.3 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 54.219 ug/l
RT: 8.287 min Scan# 1088
Delta R.T. 0.001 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

Tgt Ion: 65 Resp: 242192
Ion Ratio Lower Upper
65 100
67 52.4 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: VN074720.D

Acq: 03 Oct 2022 21:04

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-698-700DL

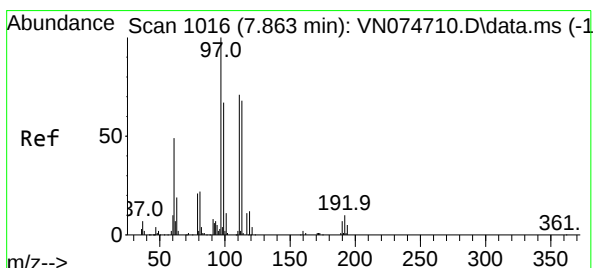
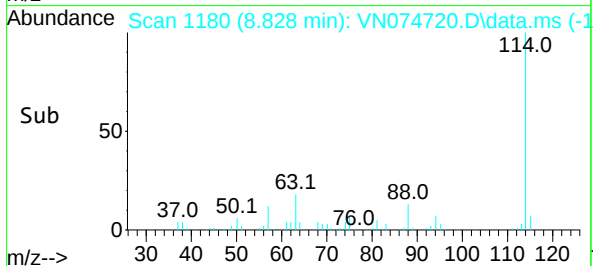
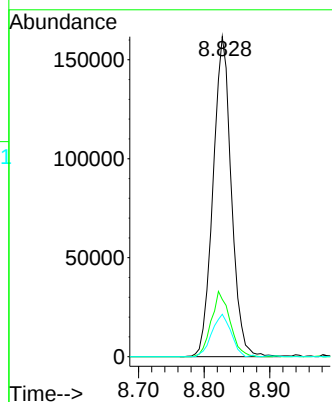
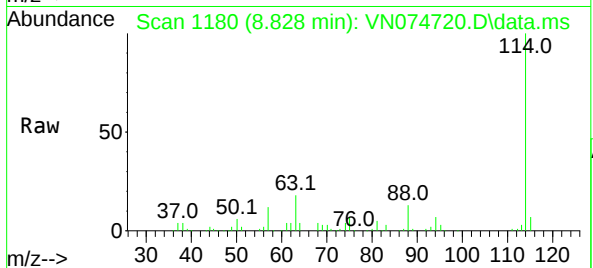
Tgt Ion:114 Resp: 313076

Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.0

88 13.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.368 ug/l

RT: 7.869 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VN074720.D

Acq: 03 Oct 2022 21:04

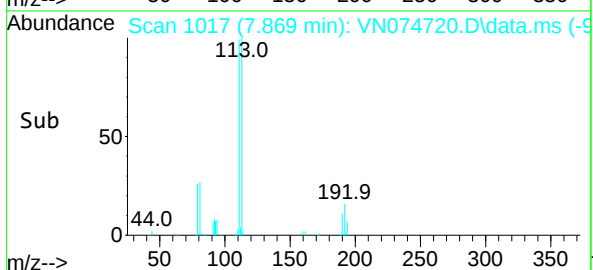
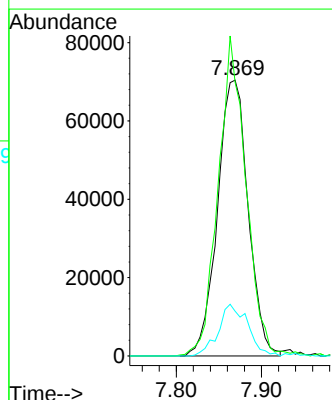
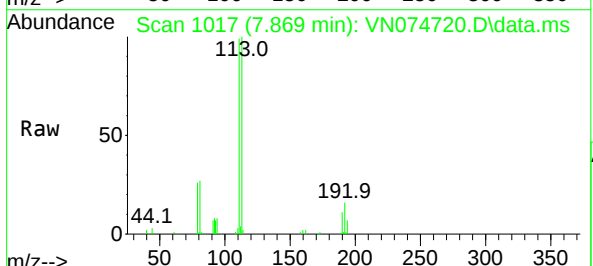
Tgt Ion:113 Resp: 176252

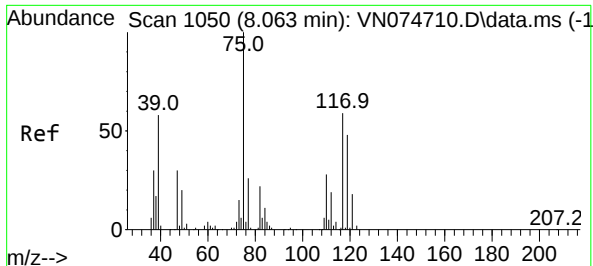
Ion Ratio Lower Upper

113 100

111 105.1 81.4 122.0

192 18.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 3.242 ug/l

RT: 7.934 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VN074720.D

Acq: 03 Oct 2022 21:04

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-698-700DL

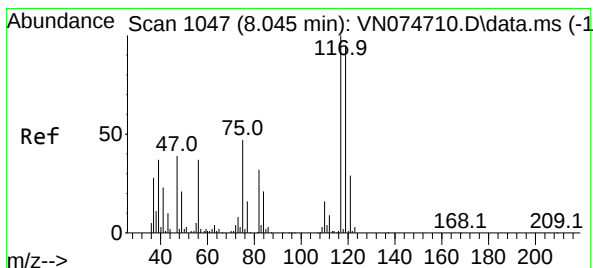
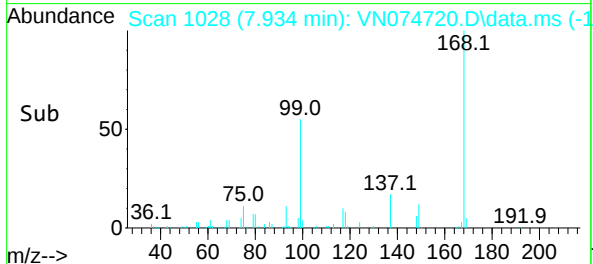
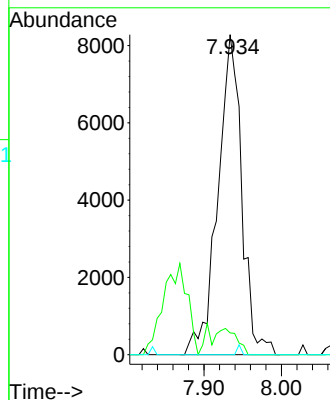
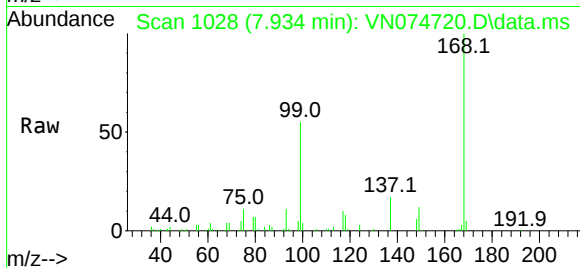
Tgt Ion: 75 Resp: 17773

Ion Ratio Lower Upper

75 100

110 7.0 18.3 54.8#

77 0.5 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 3.858 ug/l

RT: 7.928 min Scan# 1027

Delta R.T. -0.129 min

Lab File: VN074720.D

Acq: 03 Oct 2022 21:04

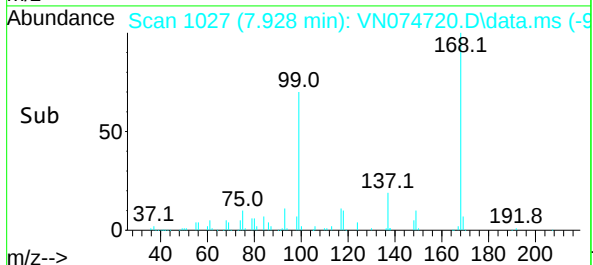
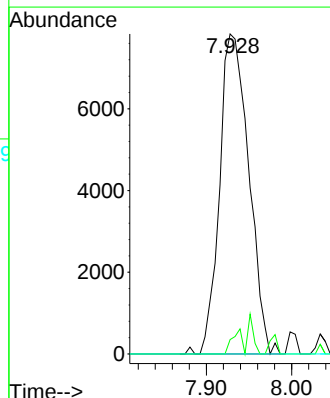
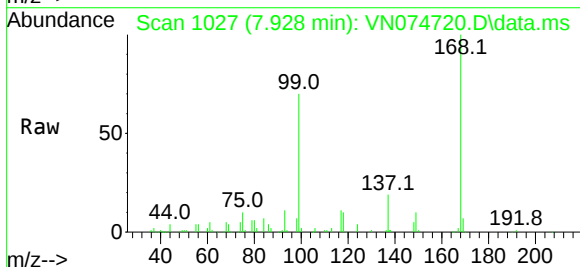
Tgt Ion: 117 Resp: 18700

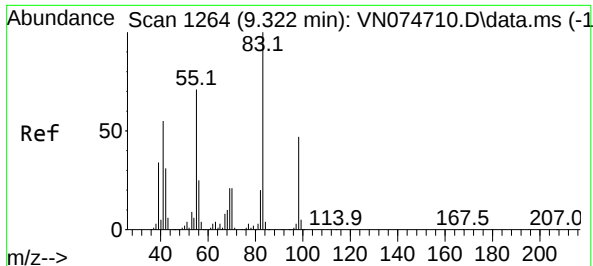
Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.617 ug/l

RT: 9.075 min Scan# 11

Delta R.T. -0.241 min

Lab File: VN074720.D

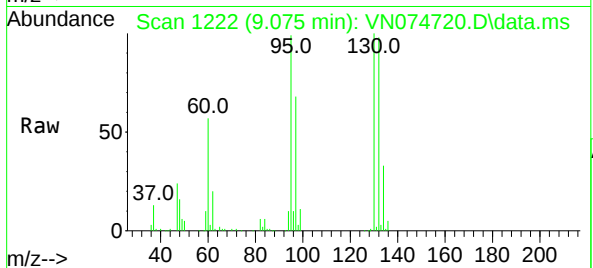
Acq: 03 Oct 2022 21:04

Instrument :

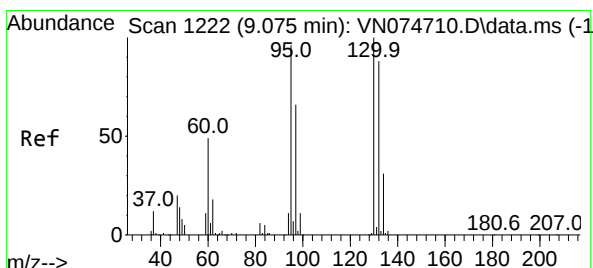
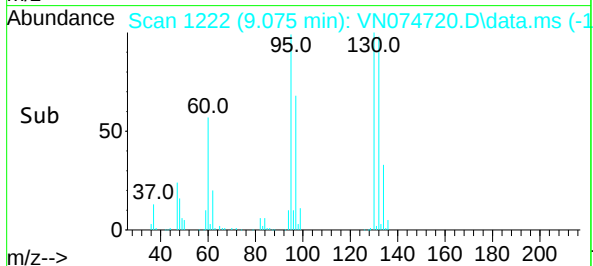
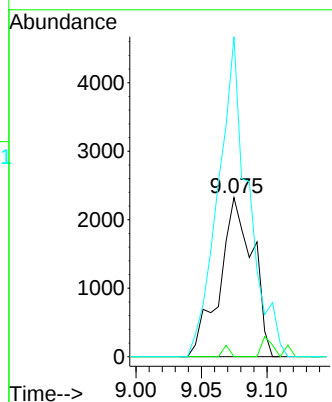
MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-698-700DL



Tgt Ion:	83	Resp:	4097
Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.8	86.8#
98	201.2	39.4	59.2#



#44

Trichloroethene

Concen: 77.343 ug/l

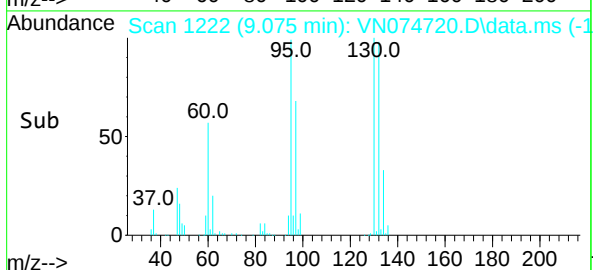
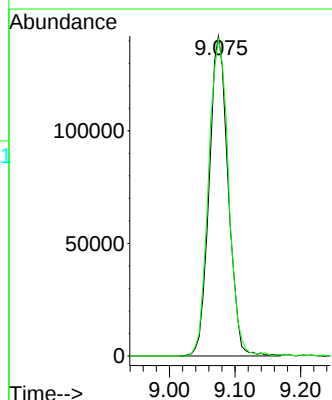
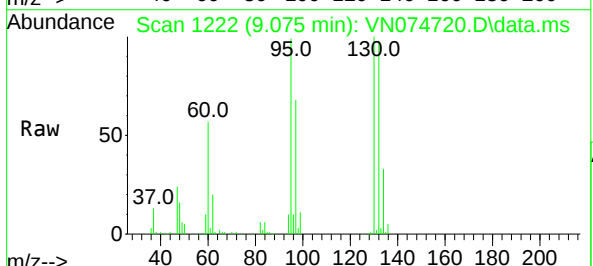
RT: 9.075 min Scan# 1222

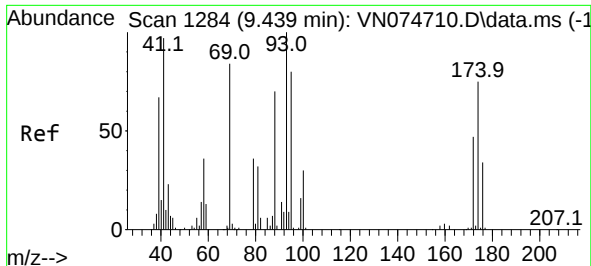
Delta R.T. -0.000 min

Lab File: VN074720.D

Acq: 03 Oct 2022 21:04

Tgt Ion:	130	Resp:	285373
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	186.8





#49

1,4-Dioxane

Concen: 1.211 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN074720.D

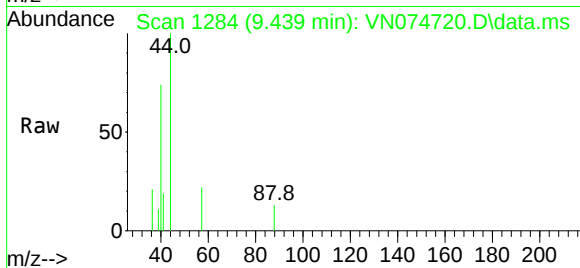
Acq: 03 Oct 2022 21:04

Instrument :

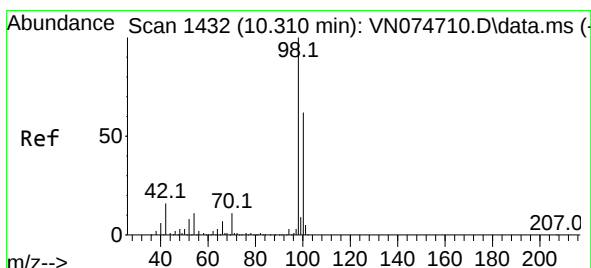
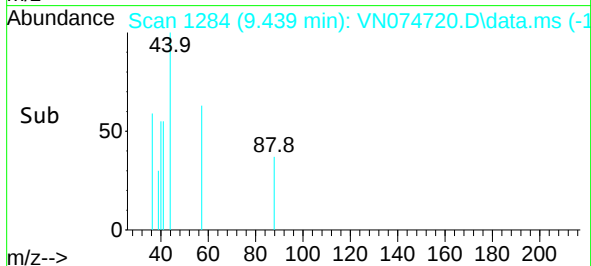
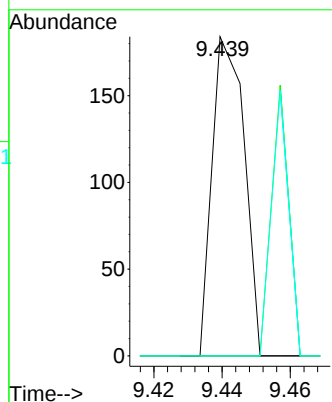
MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-698-700DL



Tgt Ion:	88	Resp:	120
Ion	Ratio	Lower	Upper
88	100		
43	45.8	20.2	30.4#
58	45.0	54.2	81.4#



#50

Toluene-d8

Concen: 50.099 ug/l

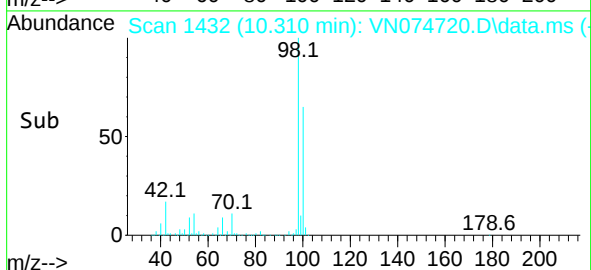
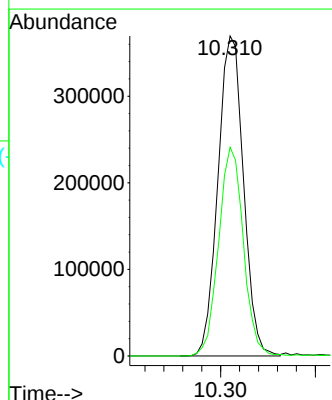
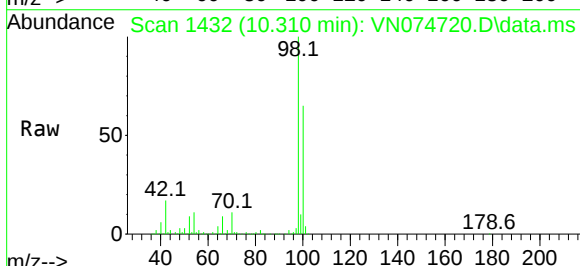
RT: 10.310 min Scan# 1432

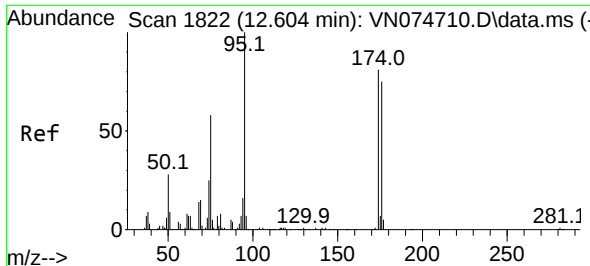
Delta R.T. -0.000 min

Lab File: VN074720.D

Acq: 03 Oct 2022 21:04

Tgt Ion:	98	Resp:	693063
Ion	Ratio	Lower	Upper
98	100		
100	63.1	52.6	78.8

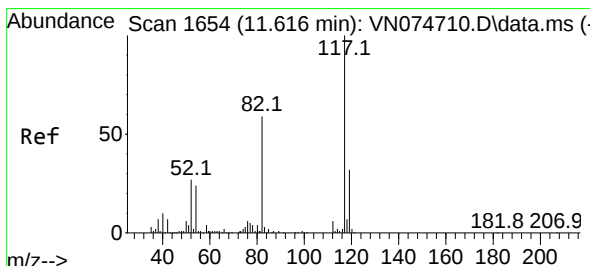
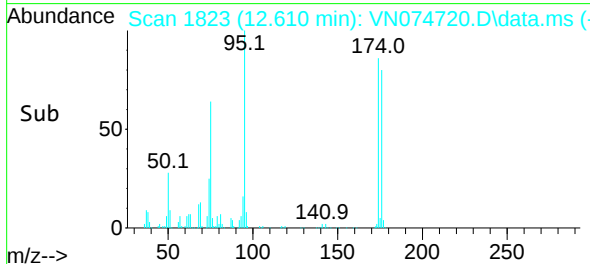
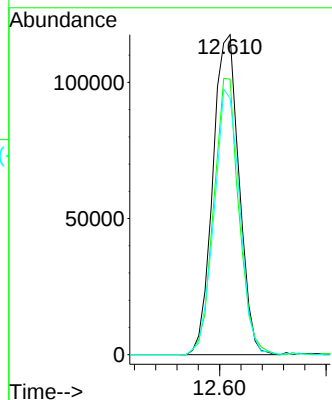
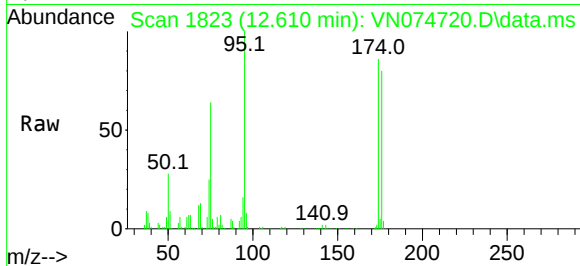




#62
4-Bromofluorobenzene
Concen: 43.060 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

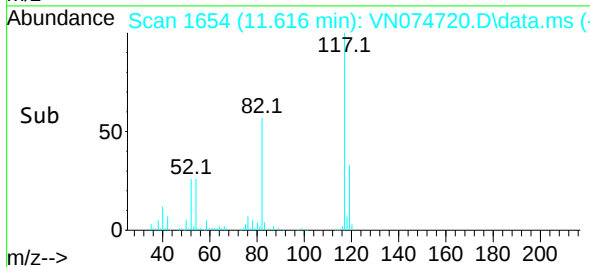
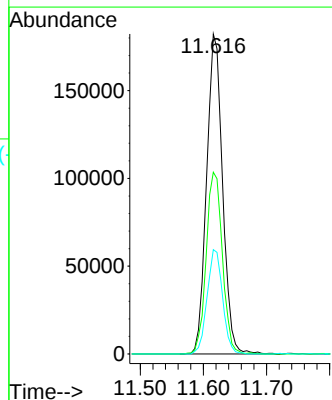
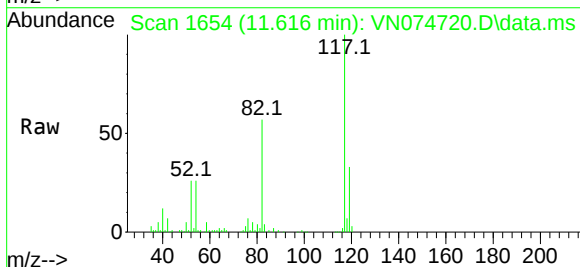
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-698-700DL

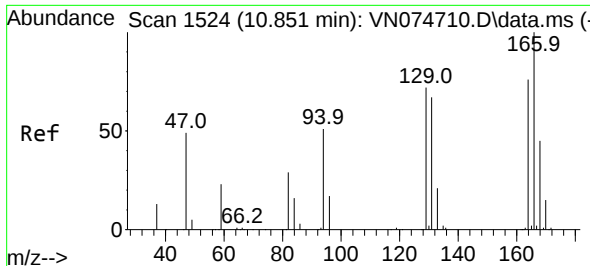
Tgt Ion:	95	Resp:	200525
Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	167.6
176	80.8	0.0	163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

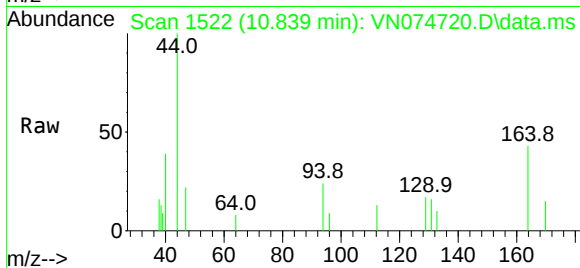
Tgt Ion:	117	Resp:	320239
Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.2	66.2
119	32.6	25.4	38.0



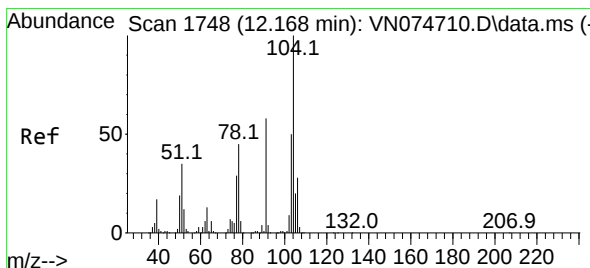
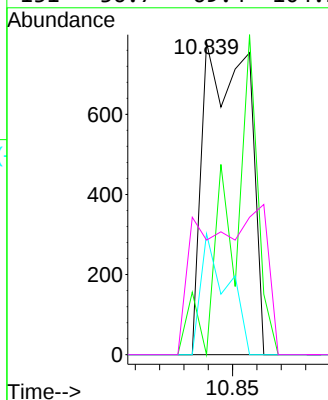
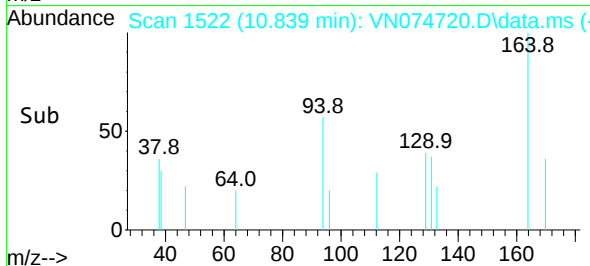


#64
Tetrachloroethene
Concen: 0.387 ug/l
RT: 10.839 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

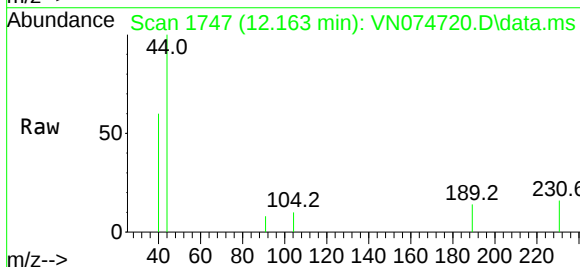
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-698-700DL



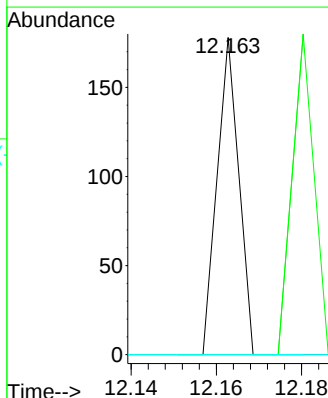
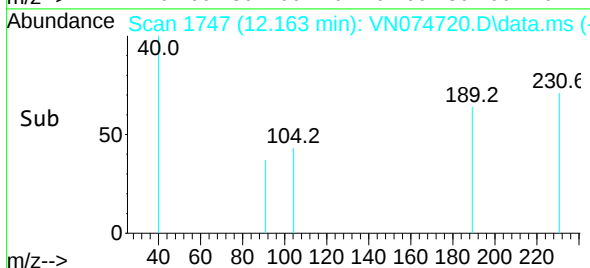
Tgt Ion:164 Resp: 1011
Ion Ratio Lower Upper
164 100
166 0.0 104.2 156.2#
129 38.7 73.9 110.9#
131 36.7 69.4 104.2#

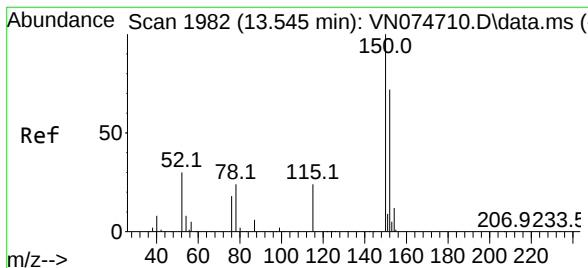


#70
Styrene
Concen: 2.980 ug/l
RT: 12.163 min Scan# 1747
Delta R.T. -0.005 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04



Tgt Ion:104 Resp: 63
Ion Ratio Lower Upper
104 100
78 100.0 39.5 59.3#
103 0.0 44.0 66.0#

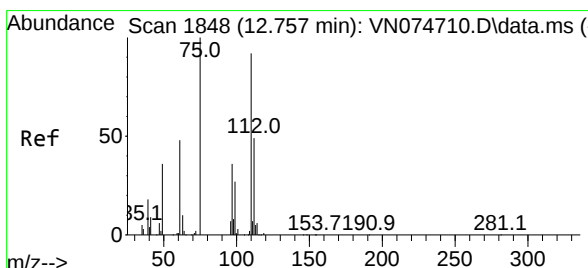
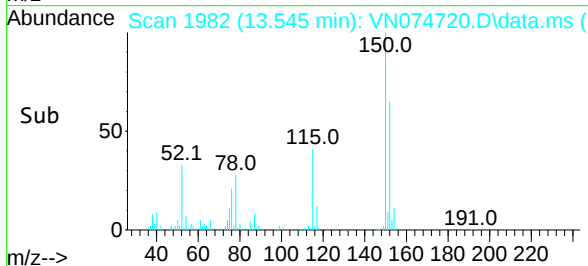
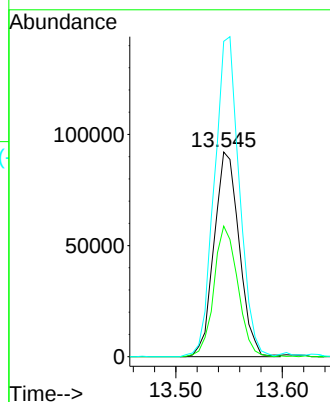
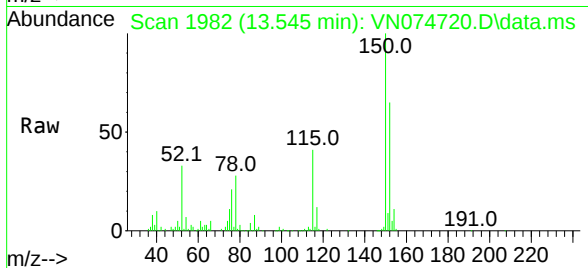




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.545 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: VN074720.D
 Acq: 03 Oct 2022 21:04

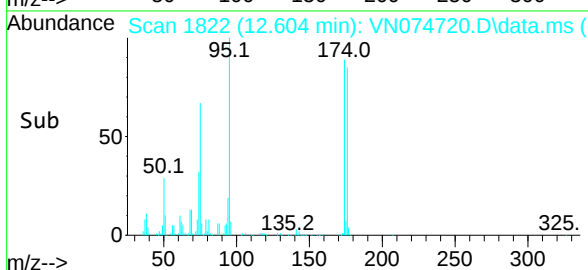
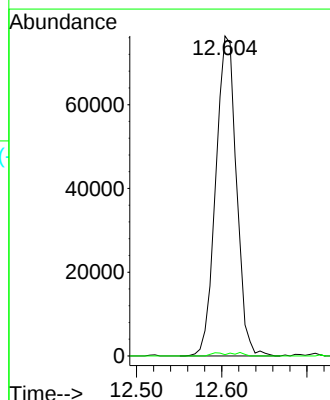
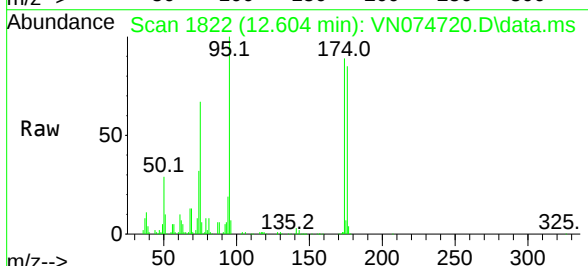
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-698-700DL

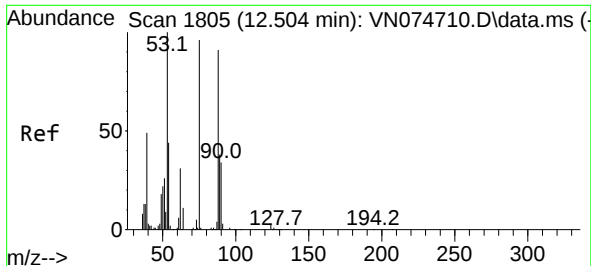
Tgt Ion:152 Resp: 150920
 Ion Ratio Lower Upper
 152 100
 115 60.5 28.9 86.7
 150 155.4 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 37.001 ug/l
 RT: 12.604 min Scan# 1822
 Delta R.T. -0.153 min
 Lab File: VN074720.D
 Acq: 03 Oct 2022 21:04

Tgt Ion: 75 Resp: 129179
 Ion Ratio Lower Upper
 75 100
 77 0.6 98.5 295.5#

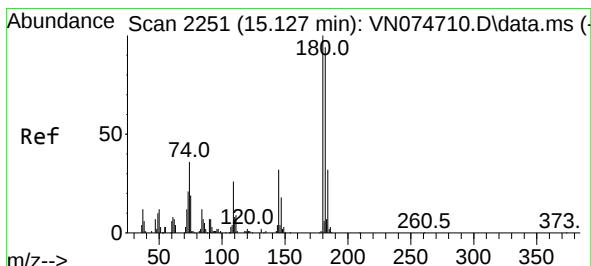
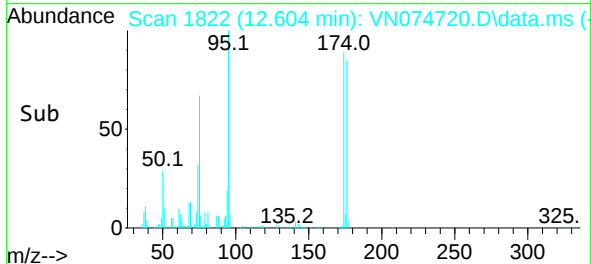
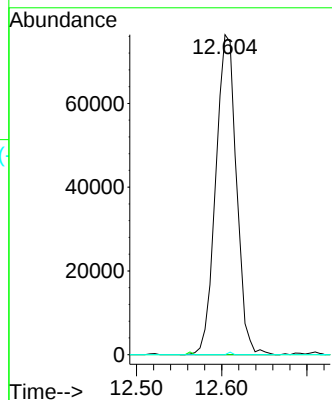
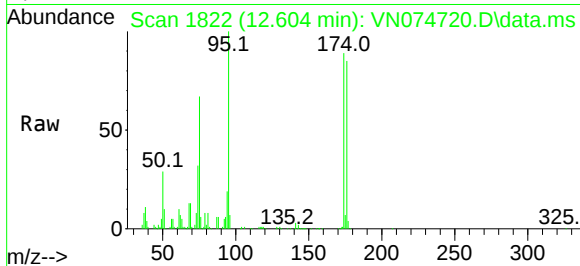




#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.887 ug/l
 RT: 12.604 min Scan# 1805
 Delta R.T. 0.100 min
 Lab File: VN074720.D
 Acq: 03 Oct 2022 21:04

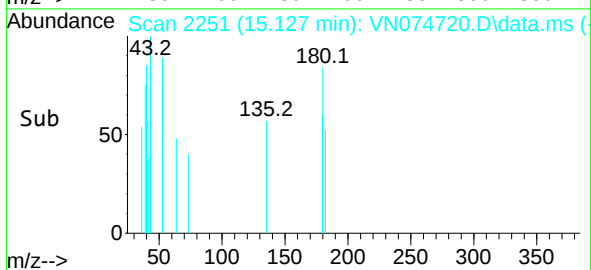
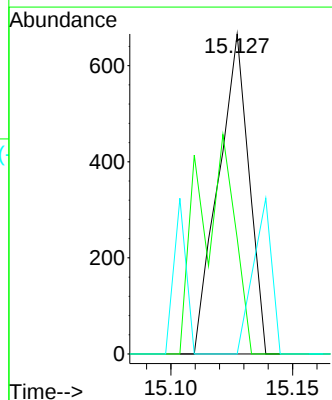
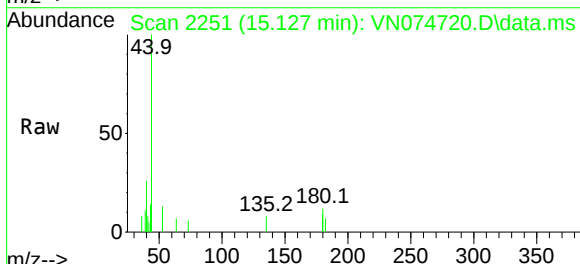
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-698-700DL

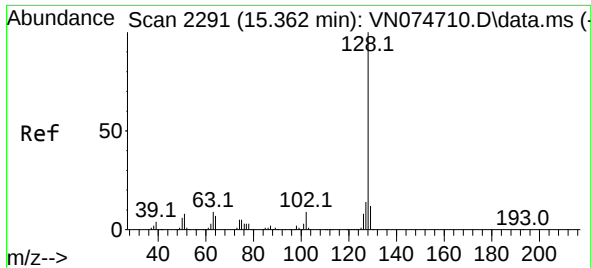
Tgt Ion: 75 Resp: 129179
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.2 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.238 ug/l
 RT: 15.127 min Scan# 2251
 Delta R.T. 0.000 min
 Lab File: VN074720.D
 Acq: 03 Oct 2022 21:04

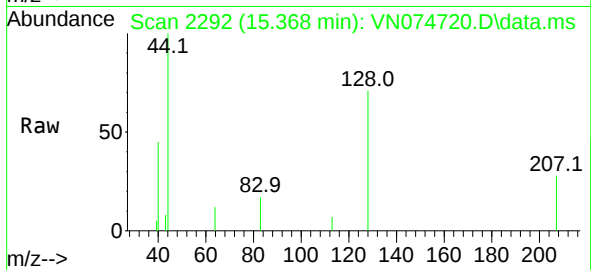
Tgt Ion: 180 Resp: 579
 Ion Ratio Lower Upper
 180 100
 182 78.9 47.5 142.5
 145 29.7 14.5 43.5





#95
Naphthalene
Concen: 0.386 ug/l
RT: 15.368 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074720.D
Acq: 03 Oct 2022 21:04

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-698-700DL



Tgt Ion:128 Resp: 3561
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

