

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014766.D
 Acq On : 24 Jul 2023 12:45
 Operator : SY/MD
 Sample : 03706-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P9B

Quant Time: Jul 24 13:01:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

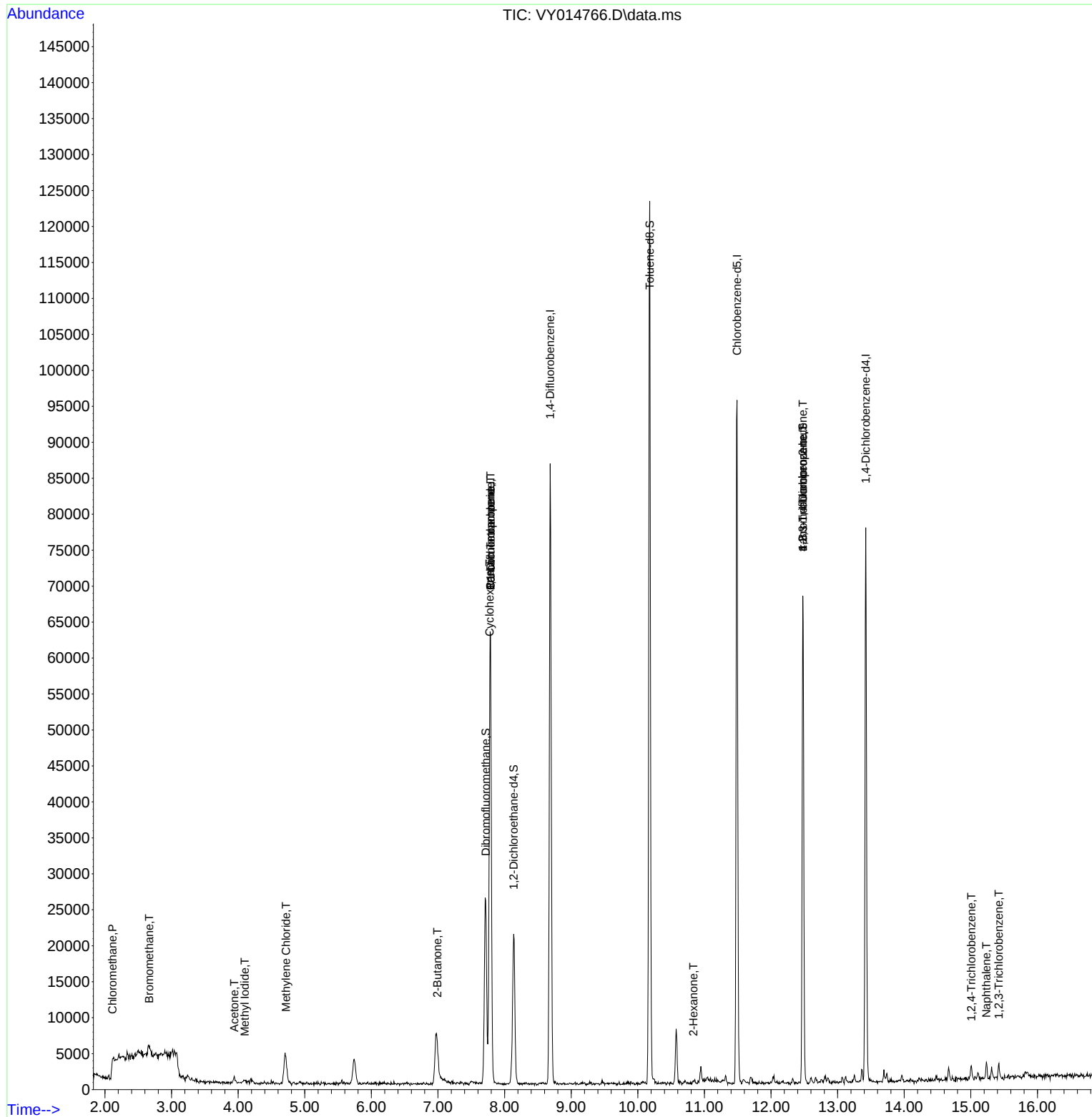
Internal Standards						
1) Pentafluorobenzene	7.789	168	49704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	74702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	52063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	20315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	16425	28.999	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	58.000%
35) Dibromofluoromethane	7.715	113	19004	39.963	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.920%
50) Toluene-d8	10.178	98	81300	46.372	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.740%
62) 4-Bromofluorobenzene	12.477	95	21120	31.417	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	729	1.602	ug/l #	86
5) Bromomethane	2.661	94	958	2.850	ug/l	83
10) Methyl Iodide	4.100	142	895	3.905	ug/l #	80
11) Tert butyl alcohol	4.941	59	161	Below Cal	#	89
16) Acetone	3.942	43	1146	6.385	ug/l #	77
20) Methylene Chloride	4.716	84	3089	1.174	ug/l	83
25) 2-Butanone	6.990	43	569	2.167	ug/l #	49
31) Cyclohexane	7.776	56	1209	1.286	ug/l #	16
36) 1,1-Dichloropropene	7.789	75	3921	5.514	ug/l #	51
38) Carbon Tetrachloride	7.789	117	4863	6.469	ug/l #	18
59) 2-Hexanone	10.837	43	461	1.291	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	11264	43.902	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	11264	85.002	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.007	180	666	1.620	ug/l	94
95) Naphthalene	15.232	128	2123	2.217	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.421	180	624	1.708	ug/l #	79

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

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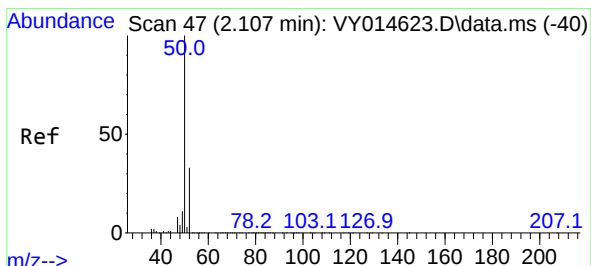
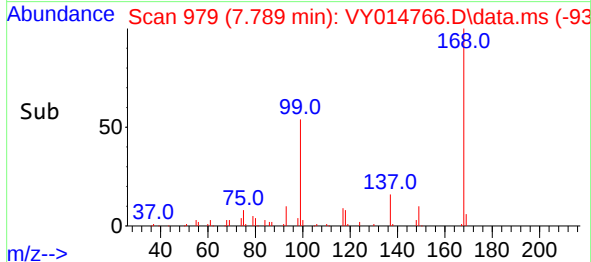
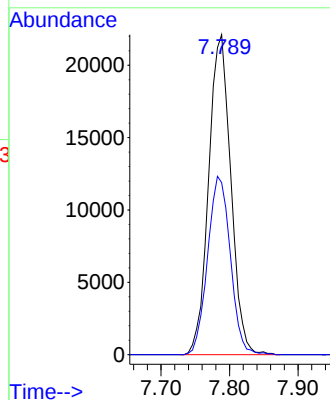
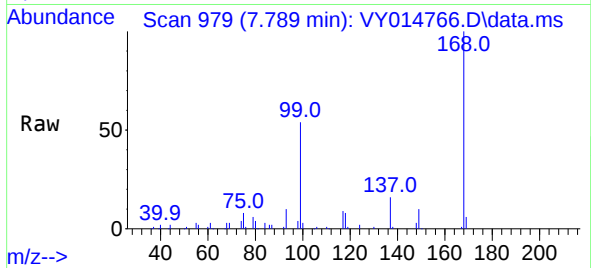




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

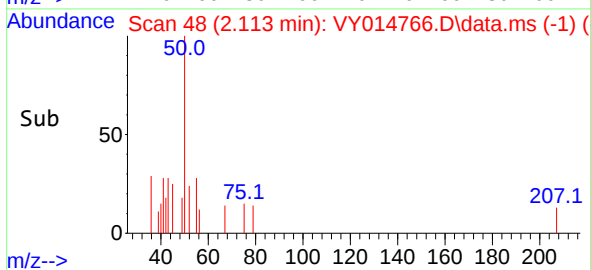
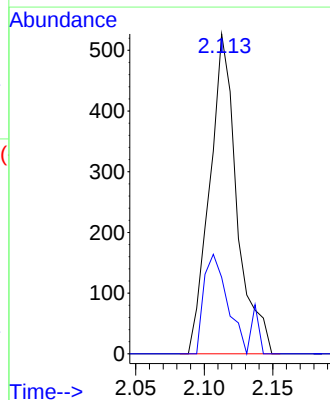
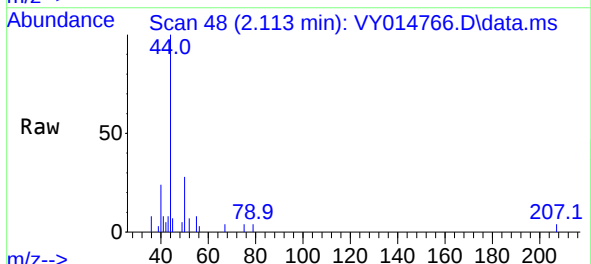
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

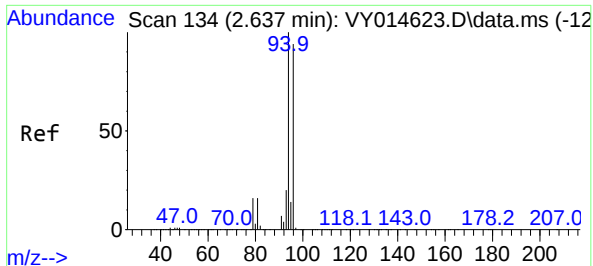
Tgt Ion:168 Resp: 49704
Ion Ratio Lower Upper
168 100
99 53.8 43.4 65.0



#3
Chloromethane
Concen: 1.602 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

Tgt Ion: 50 Resp: 729
Ion Ratio Lower Upper
50 100
52 23.9 25.4 38.2#

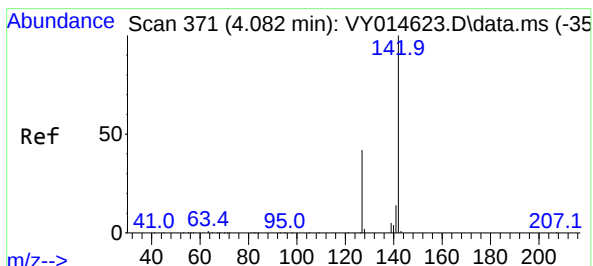
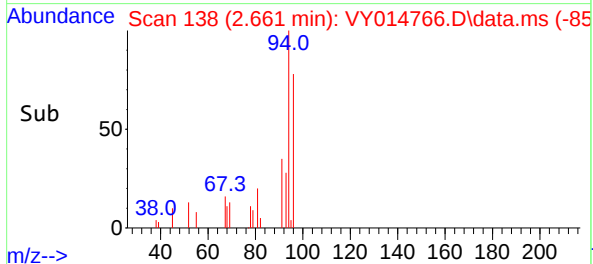
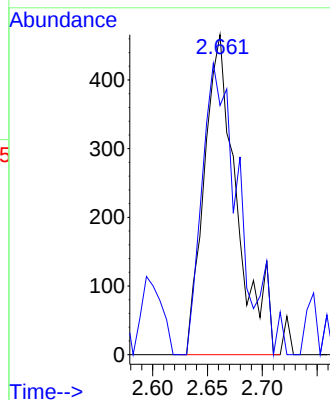
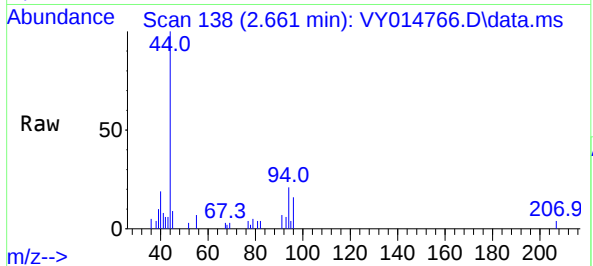




#5
Bromomethane
Concen: 2.850 ug/l
RT: 2.661 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

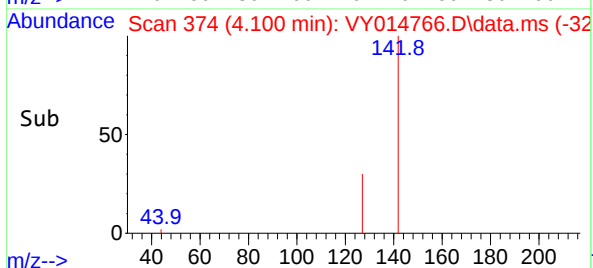
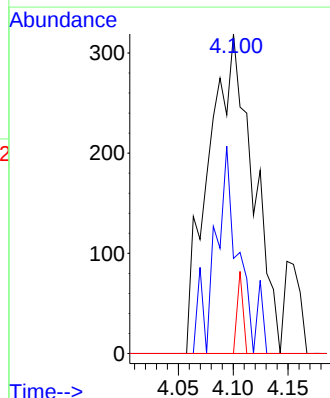
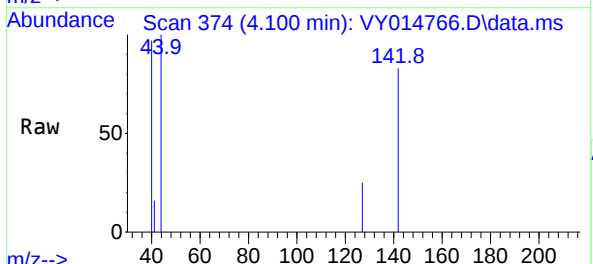
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

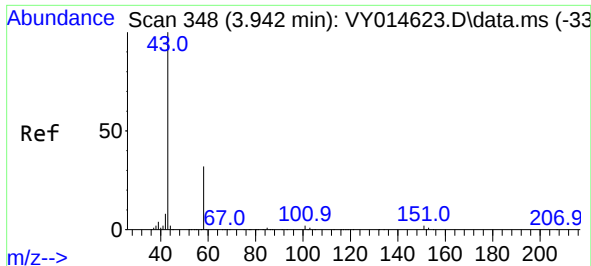
Tgt Ion: 94 Resp: 958
Ion Ratio Lower Upper
94 100
96 77.9 75.8 113.6



#10
Methyl Iodide
Concen: 3.905 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.018 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

Tgt Ion:142 Resp: 895
Ion Ratio Lower Upper
142 100
127 35.5 37.6 56.4#
141 3.4 11.8 17.8#

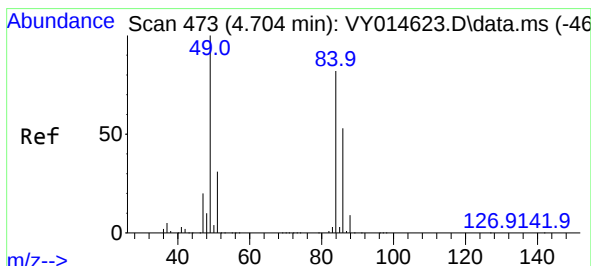
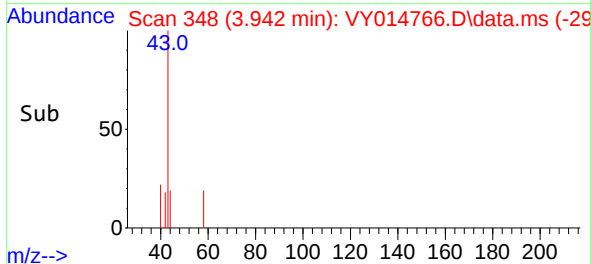
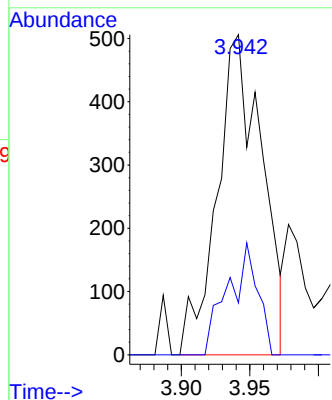
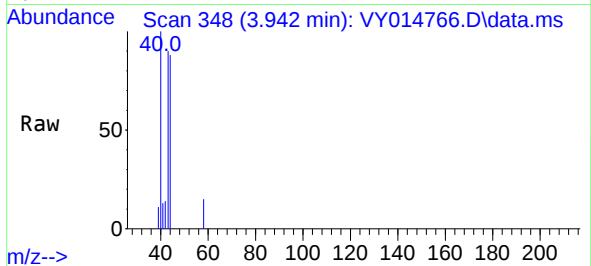




#16
Acetone
Concen: 6.385 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

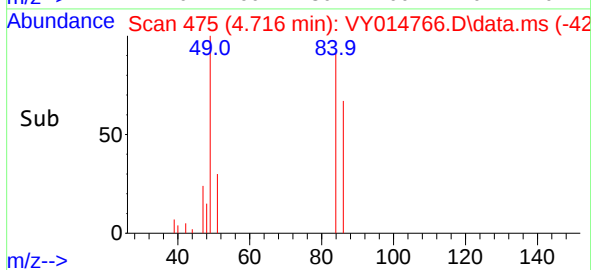
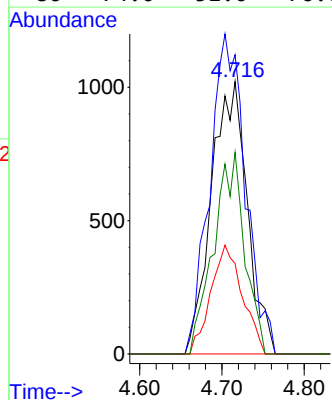
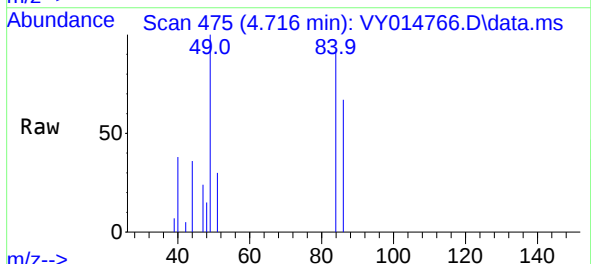
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

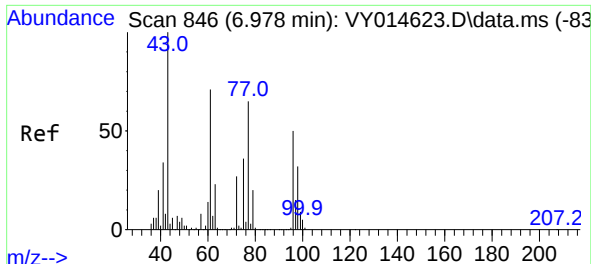
Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
58 16.2 22.7 34.1#



#20
Methylene Chloride
Concen: 1.174 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

Tgt Ion: 84 Resp: 3089
Ion Ratio Lower Upper
84 100
49 109.9 106.9 160.3
51 33.2 33.2 49.8
86 74.0 51.0 76.6

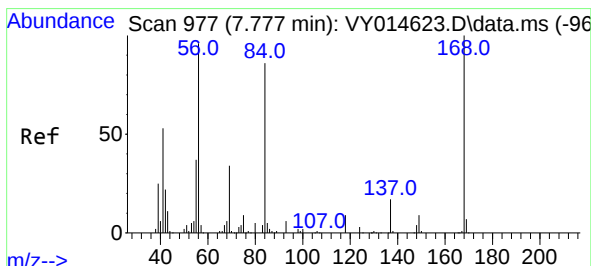
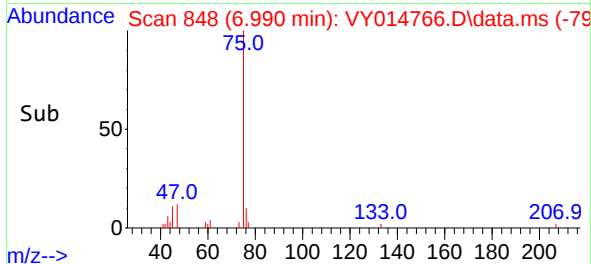
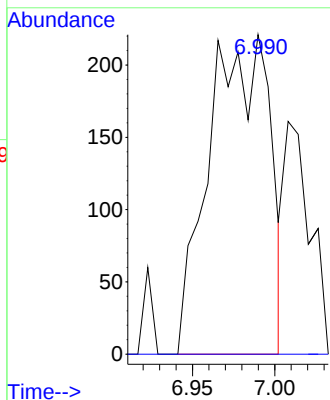
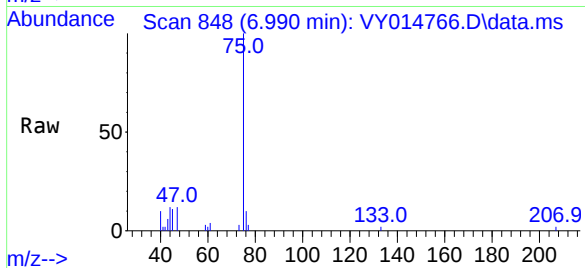




#25
2-Butanone
Concen: 2.167 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

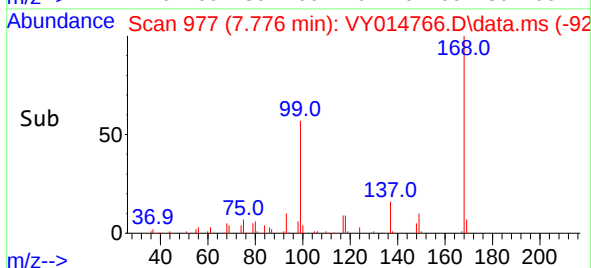
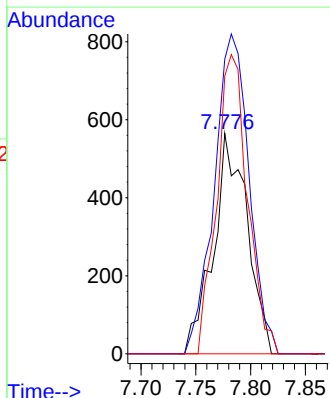
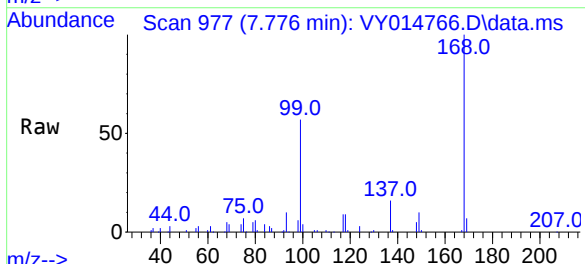
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

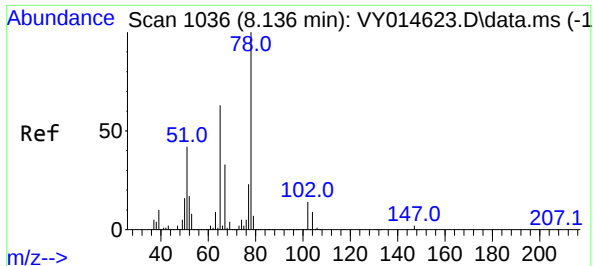
Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.776 min Scan# 977
Delta R.T. -0.001 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

Tgt Ion: 56 Resp: 1209
Ion Ratio Lower Upper
56 100
69 133.6 27.8 41.6#
84 126.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 28.999 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014766.D

Acq: 24 Jul 2023 12:45

Instrument :

MSVOA_Y

ClientSampleId :

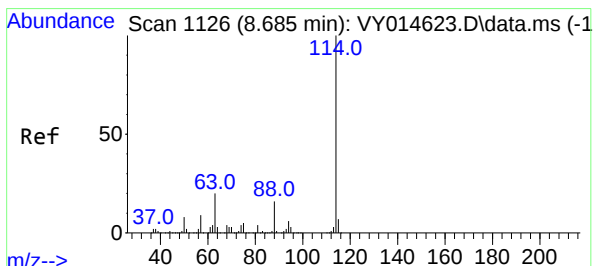
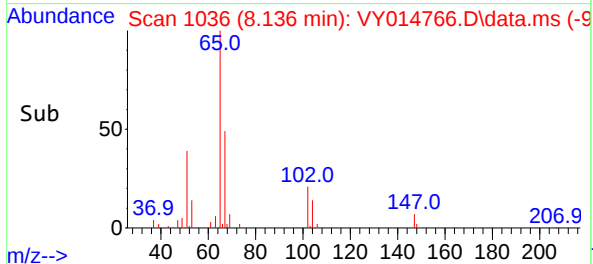
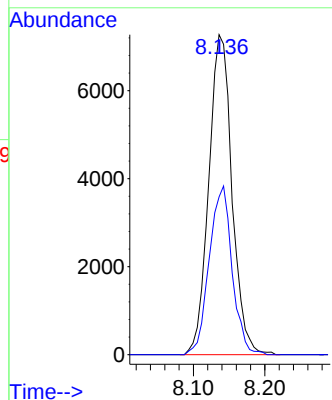
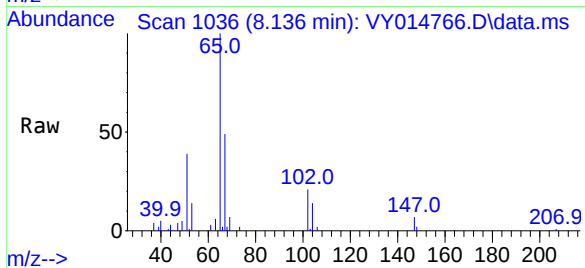
B-P9B

Tgt Ion: 65 Resp: 16425

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY014766.D

Acq: 24 Jul 2023 12:45

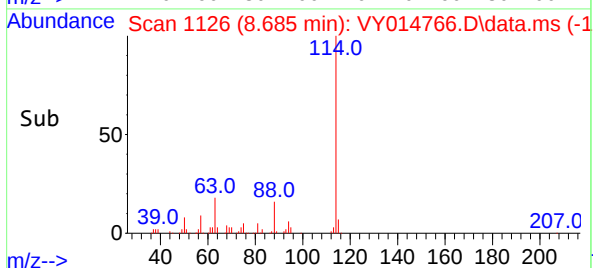
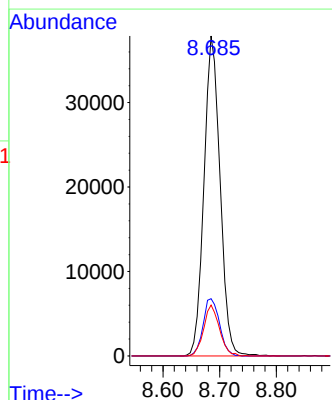
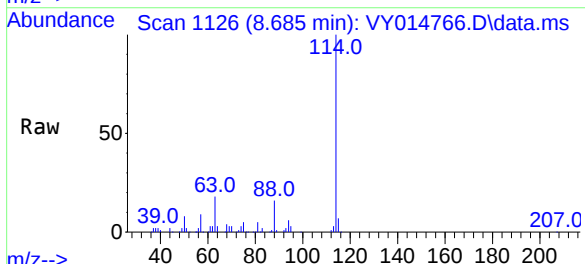
Tgt Ion: 114 Resp: 74702

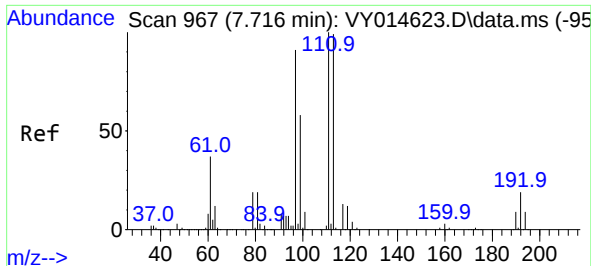
Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.4

88 15.9 0.0 30.6

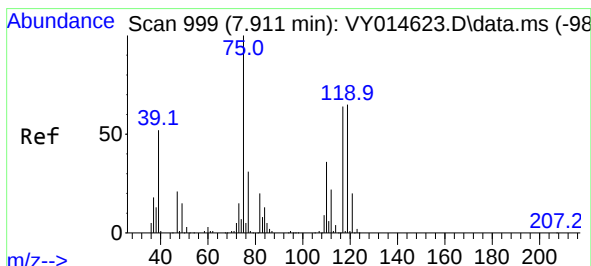
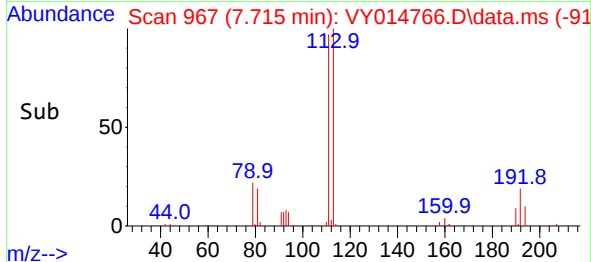
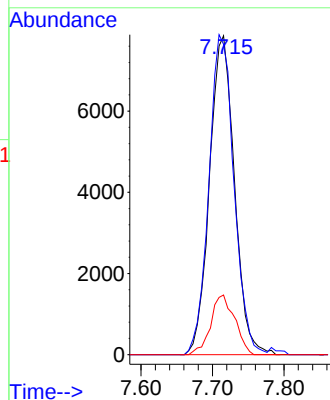
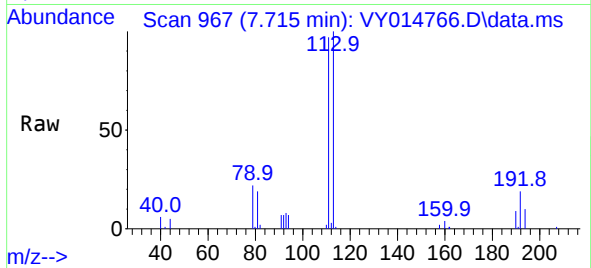




#35
Dibromofluoromethane
Concen: 39.963 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

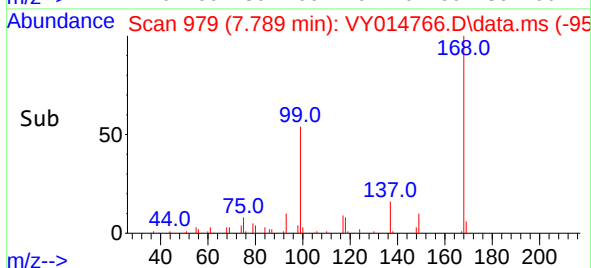
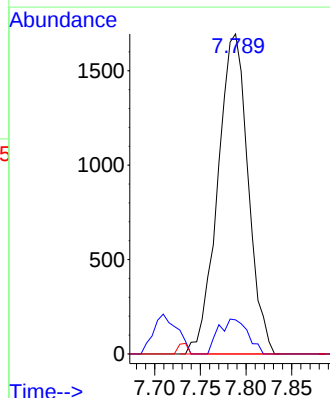
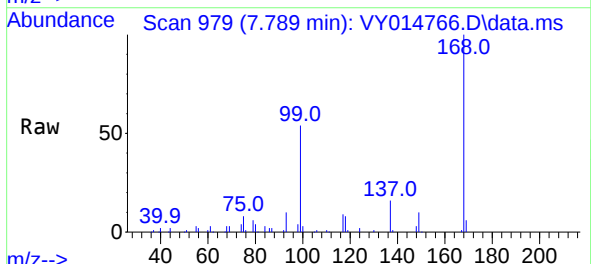
Instrument :
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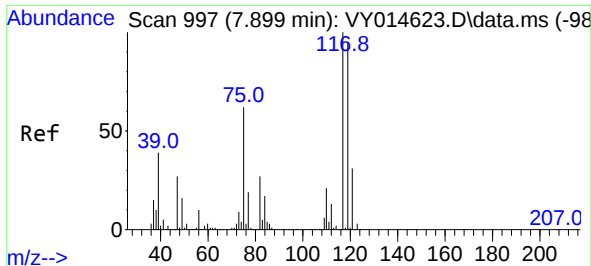
Tgt Ion:113 Resp: 19004
Ion Ratio Lower Upper
113 100
111 101.0 81.3 121.9
192 18.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.514 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

Tgt Ion: 75 Resp: 3921
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.0 24.4 36.6#

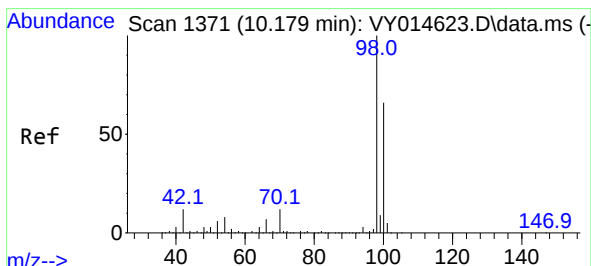
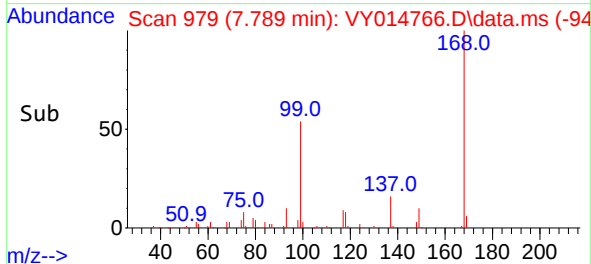
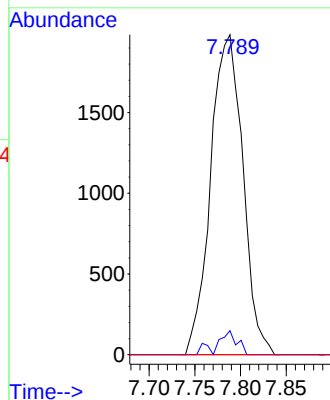
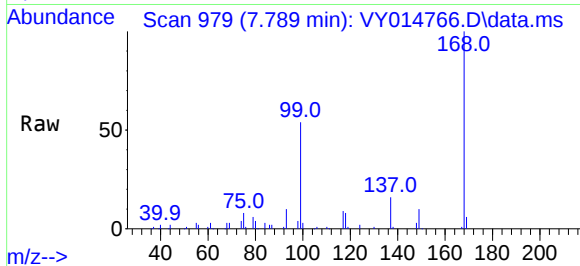




#38
Carbon Tetrachloride
Concen: 6.469 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.111 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

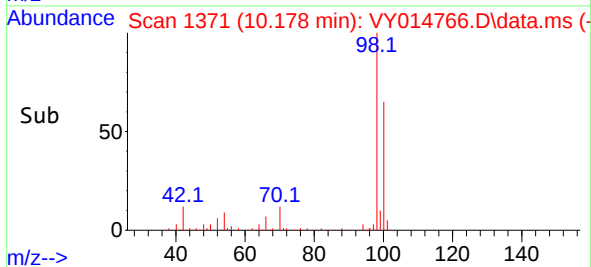
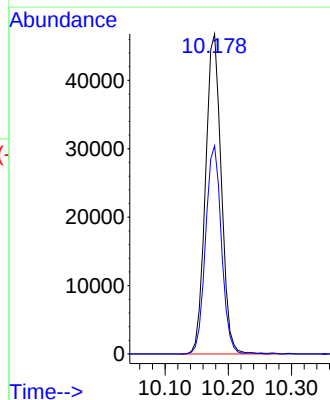
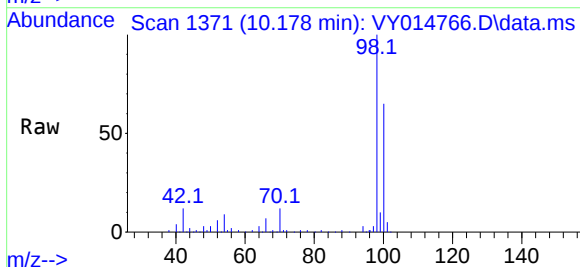
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

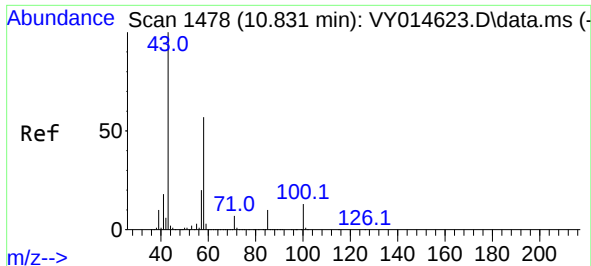
Tgt Ion:117 Resp: 4863
Ion Ratio Lower Upper
117 100
119 7.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.372 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

Tgt Ion: 98 Resp: 81300
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

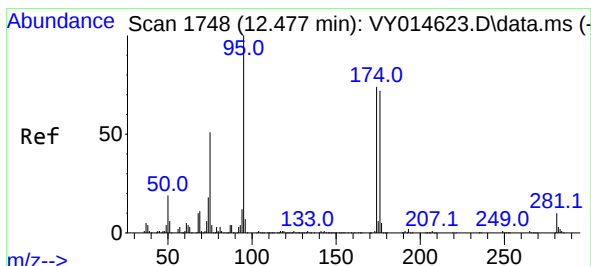
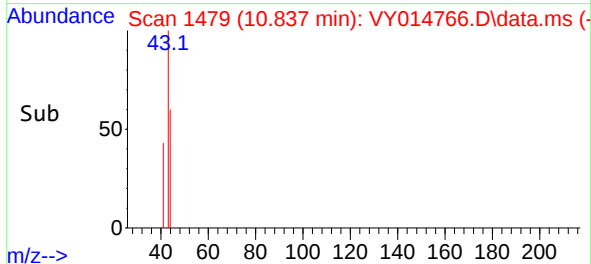
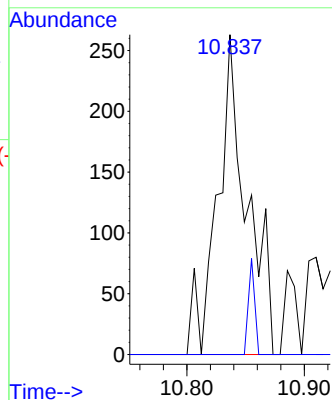
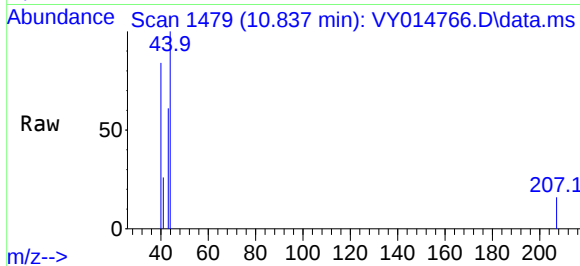




#59
2-Hexanone
Concen: 1.291 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

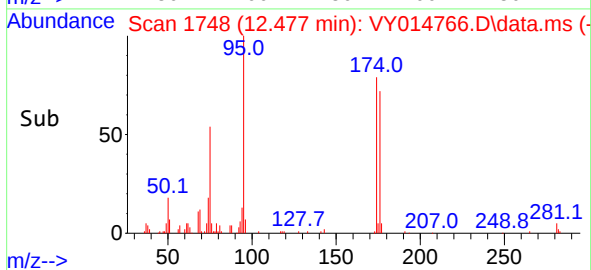
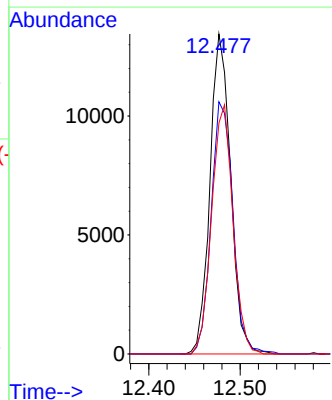
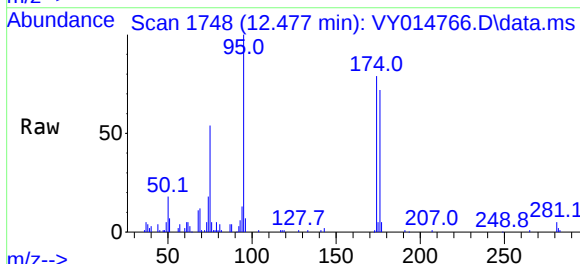
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

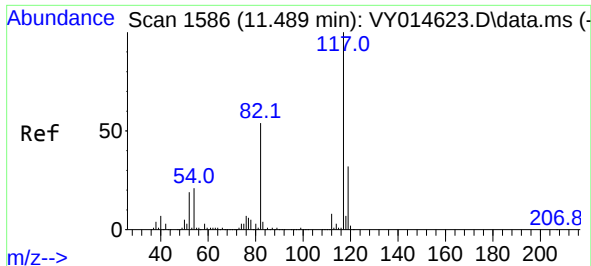
Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
58 6.3 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 31.417 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

Tgt Ion: 95 Resp: 21120
Ion Ratio Lower Upper
95 100
174 83.0 0.0 178.2
176 80.1 0.0 173.8

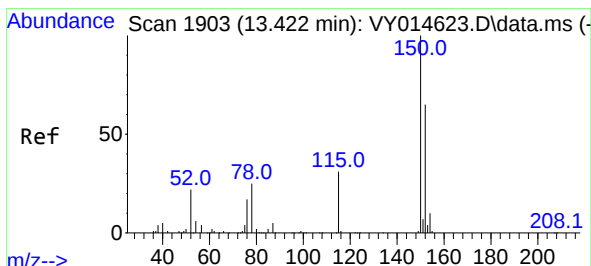
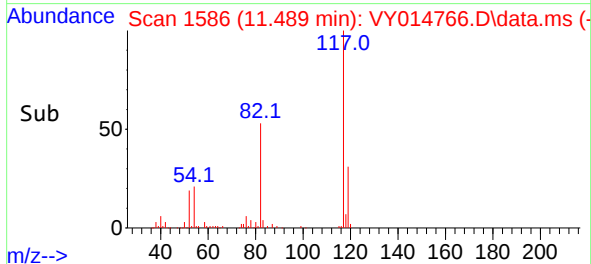
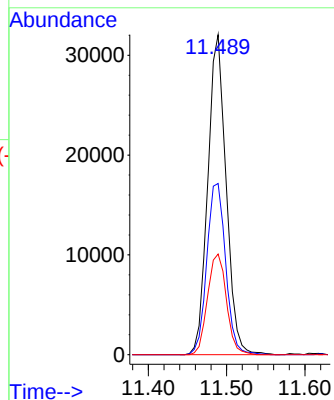
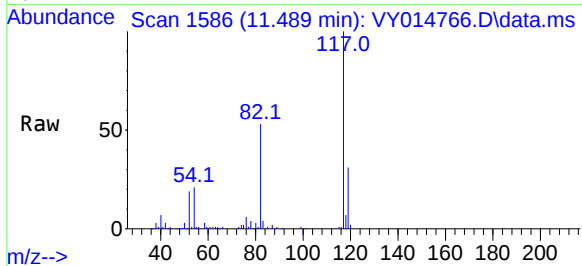




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

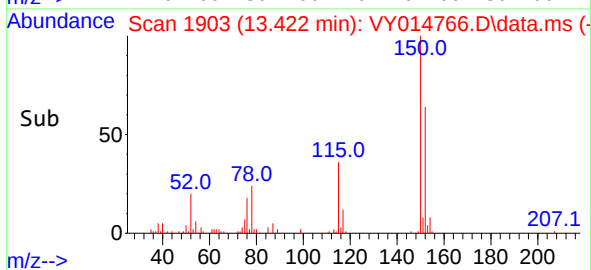
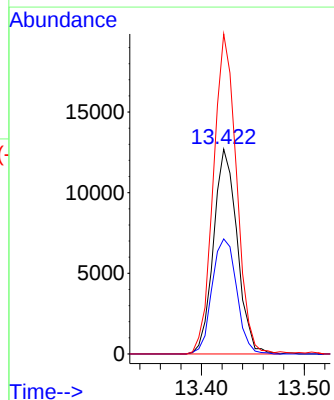
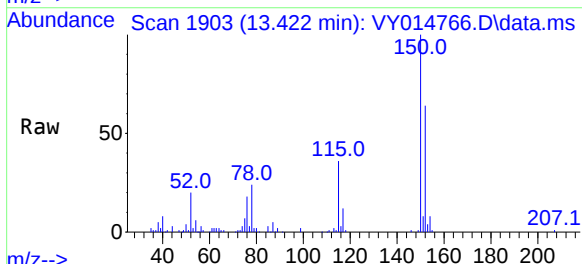
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

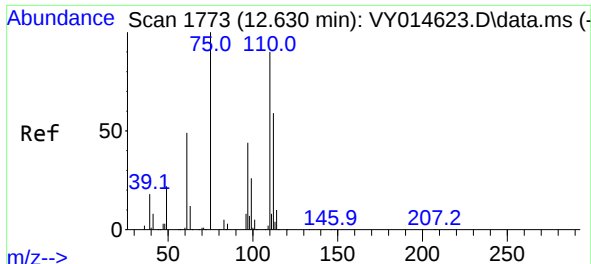
Tgt Ion:	117	Resp:	52063
Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.4	65.0
119	31.5	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

Tgt Ion:	152	Resp:	20315
Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.8	86.5
150	153.1	0.0	348.8

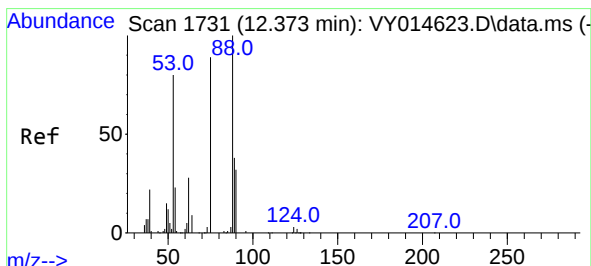
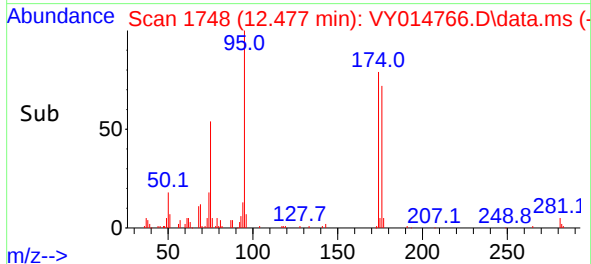
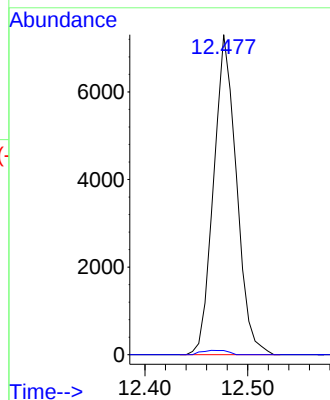
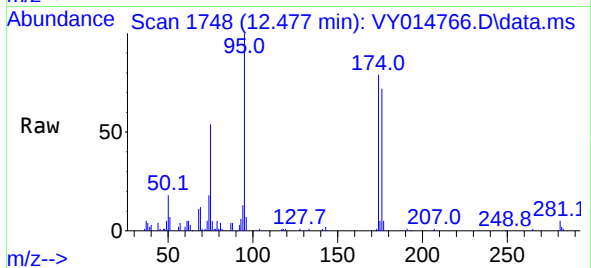




#76
1,2,3-Trichloropropane
Concen: 43.902 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

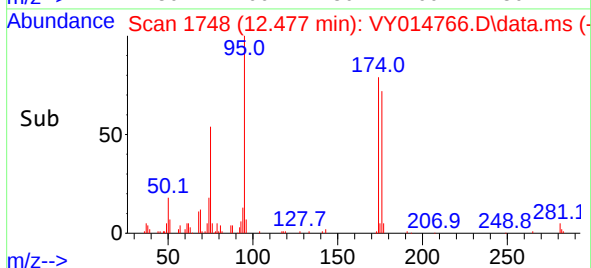
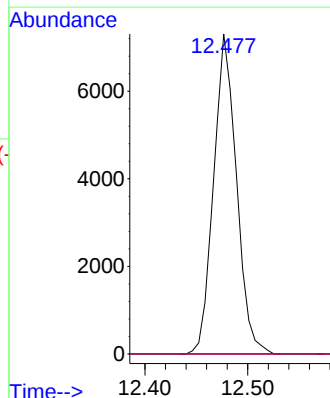
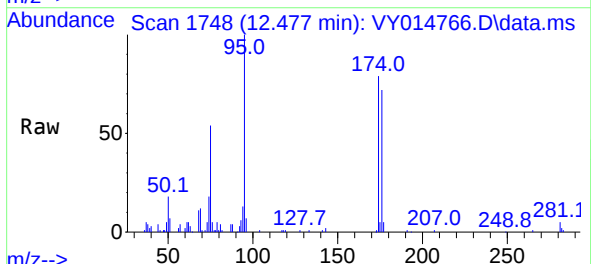
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

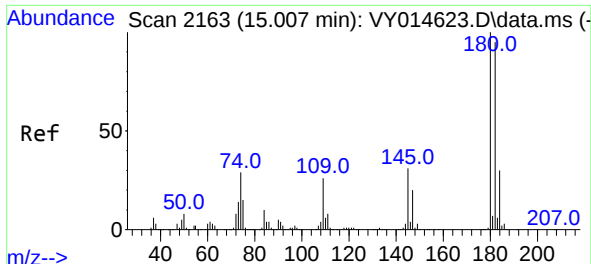
Tgt Ion: 75 Resp: 11264
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.002 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

Tgt Ion: 75 Resp: 11264
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

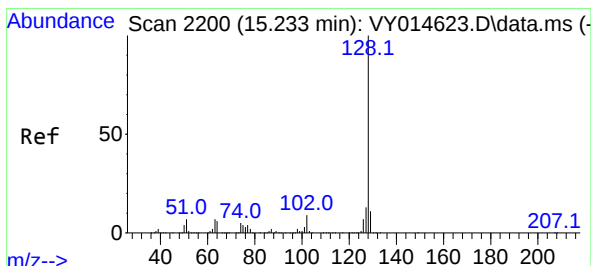
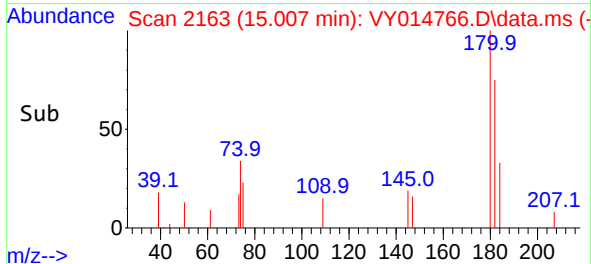
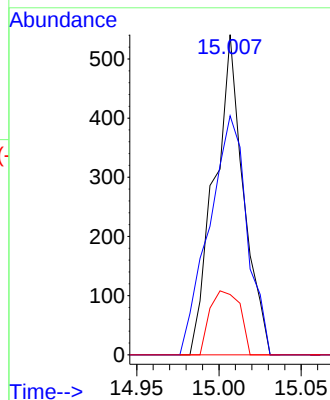
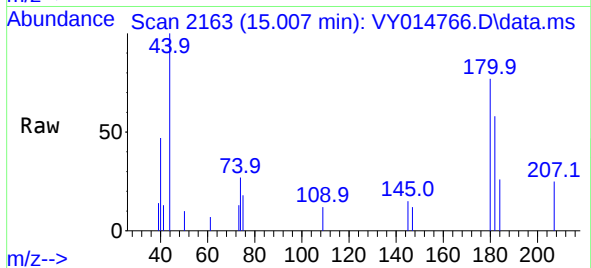




#93
1,2,4-Trichlorobenzene
Concen: 1.620 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

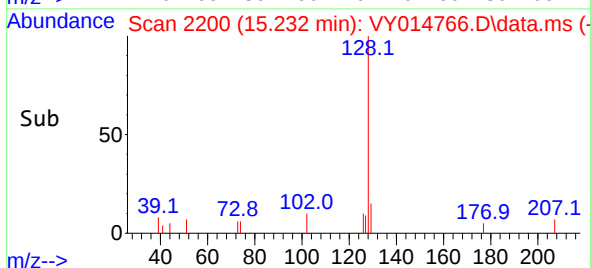
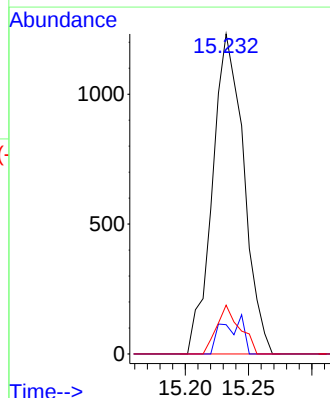
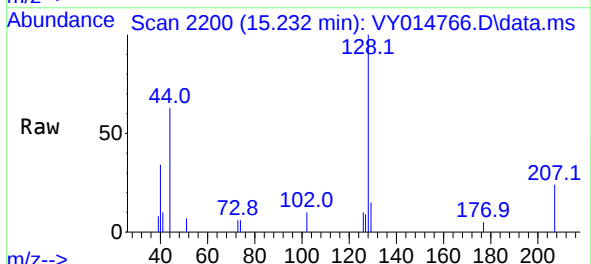
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

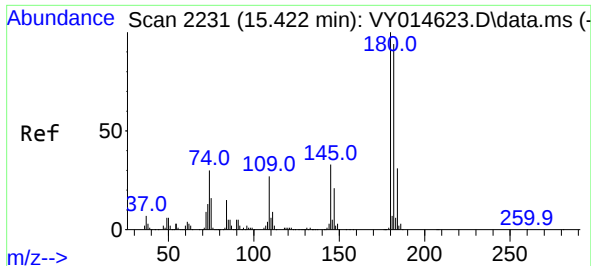
Tgt Ion:180	Resp:	666
Ion Ratio	Lower	Upper
180	100	
182	97.3	47.0 141.2
145	20.7	14.5 43.5



#95
Naphthalene
Concen: 2.217 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.001 min
Lab File: VY014766.D
Acq: 24 Jul 2023 12:45

Tgt Ion:128	Resp:	2123
Ion Ratio	Lower	Upper
128	100	
127	7.8	10.8 16.2#
129	11.2	8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.708 ug/l
 RT: 15.421 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: VY014766.D
 Acq: 24 Jul 2023 12:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P9B

Tgt Ion:180 Resp: 624
 Ion Ratio Lower Upper
 180 100
 182 108.5 47.3 141.8
 145 54.2 15.4 46.2#

