

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014264.D
 Acq On : 20 Jun 2023 06:36
 Operator : KP/MD
 Sample : 03289-20
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-07-4.0-6.0

Quant Time: Jun 20 11:24:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

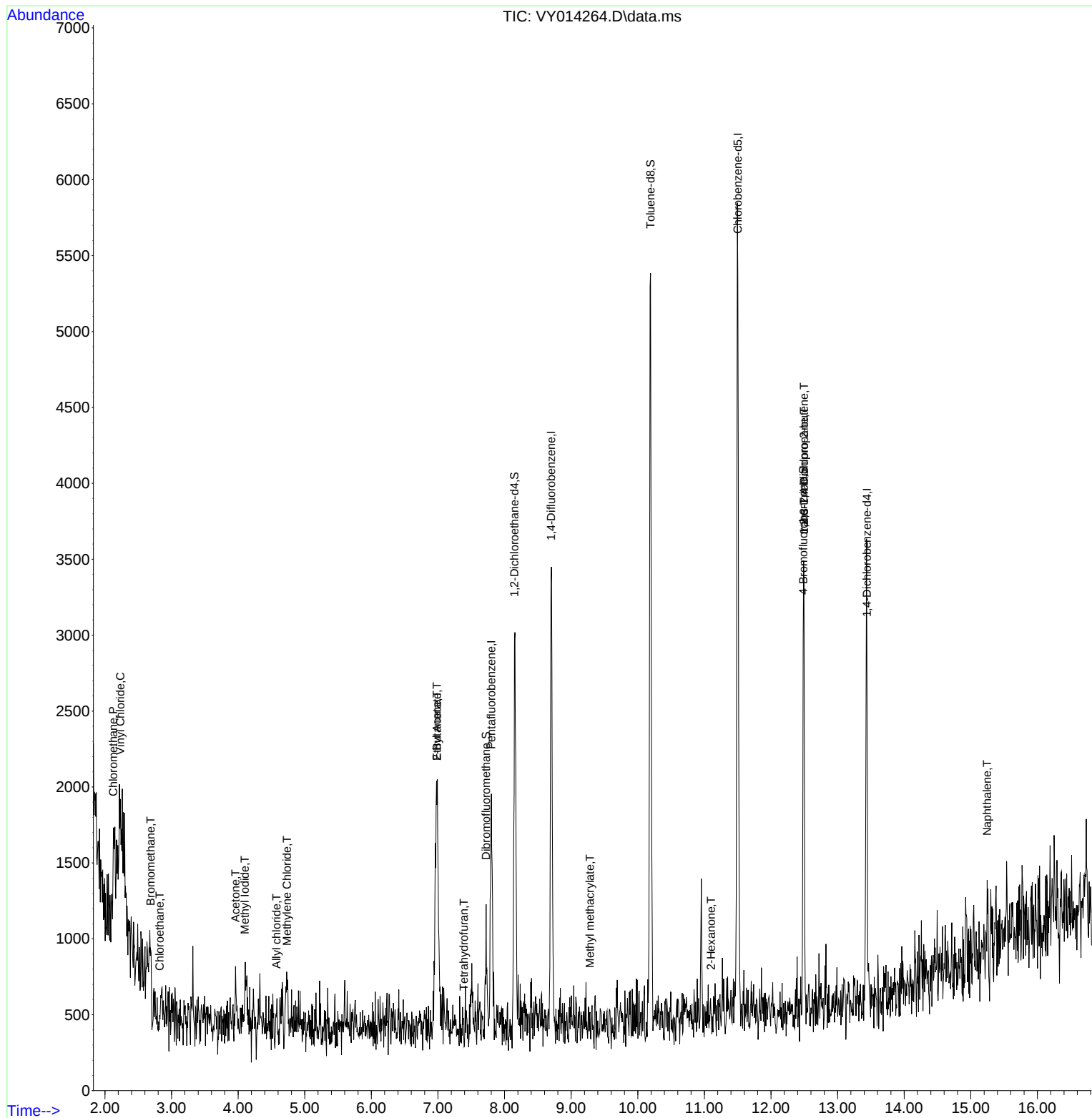
Internal Standards						
1) Pentafluorobenzene	7.801	168	1631	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.697	114	2923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	3247	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	989	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2090	92.022	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 184.040%#	
35) Dibromofluoromethane	7.722	113	496	23.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 47.860%#	
50) Toluene-d8	10.191	98	3611	46.595	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.180%	
62) 4-Bromofluorobenzene	12.483	95	983	35.707	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 71.420%	
Target Compounds						
						Qvalue
3) Chloromethane	2.125	50	280	12.148	ug/l	91
4) Vinyl Chloride	2.229	62	54	2.410	ug/l #	44
5) Bromomethane	2.686	94	185	10.006	ug/l #	28
6) Chloroethane	2.820	64	25	1.642	ug/l #	44
10) Methyl Iodide	4.101	142	405	16.694	ug/l #	38
13) Acrolein	3.747	56	48	Below Cal	#	14
14) Allyl chloride	4.576	41	42	1.244	ug/l #	22
16) Acetone	3.960	43	469	68.506	ug/l #	46
20) Methylene Chloride	4.735	84	105	1.313	ug/l #	9
25) 2-Butanone	6.984	43	65	7.713	ug/l #	49
29) Tetrahydrofuran	7.387	42	19	3.556	ug/l #	35
37) Ethyl Acetate	6.984	43	65	2.915	ug/l #	71
48) Methyl methacrylate	9.283	41	42	2.304	ug/l #	13
59) 2-Hexanone	11.099	43	25	1.630	ug/l #	27
76) 1,2,3-Trichloropropane	12.496	75	657	50.634	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	657	109.451	ug/l #	10
95) Naphthalene	15.245	128	98	2.241	ug/l #	69

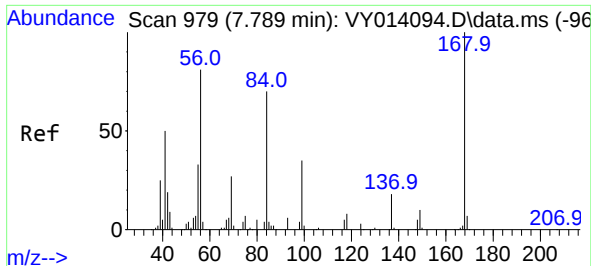
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 09 18:07:13 2023
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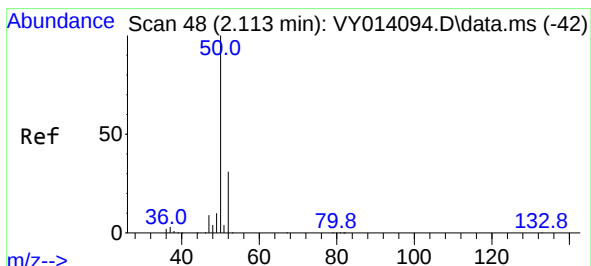
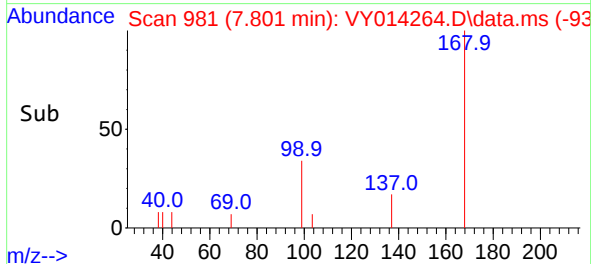
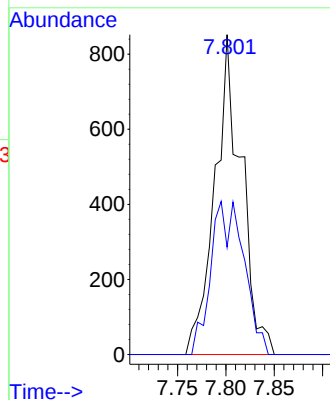
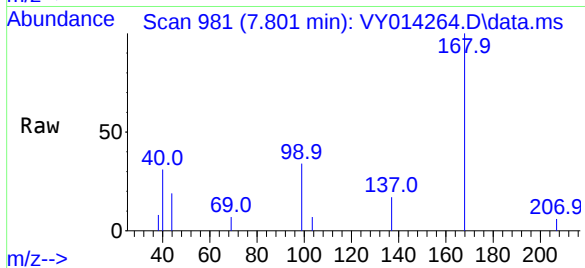




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

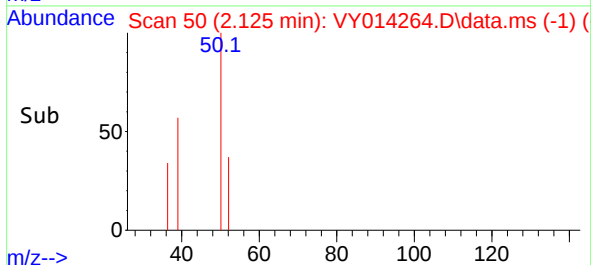
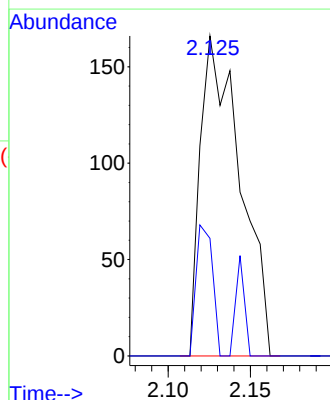
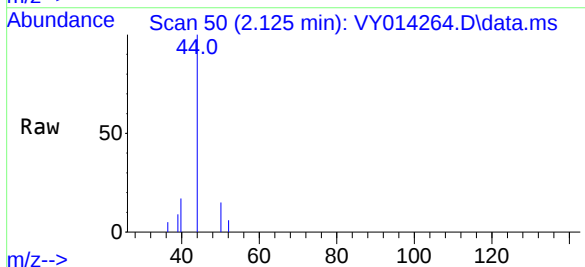
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-4.0-6.0

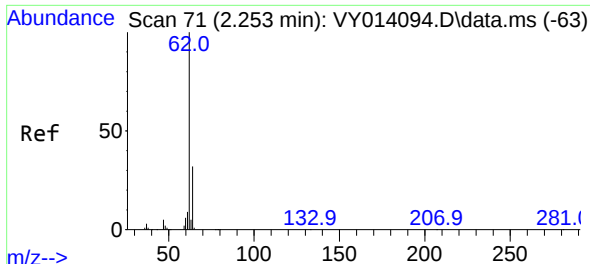
Tgt Ion:168 Resp: 1631
Ion Ratio Lower Upper
168 100
99 33.6 43.4 65.0#



#3
Chloromethane
Concen: 12.148 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Tgt Ion: 50 Resp: 280
Ion Ratio Lower Upper
50 100
52 36.7 25.4 38.2

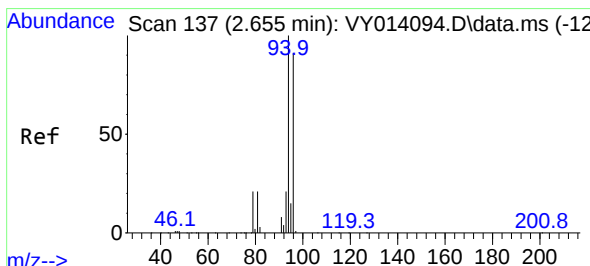
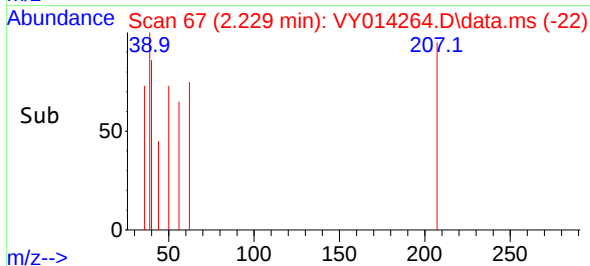
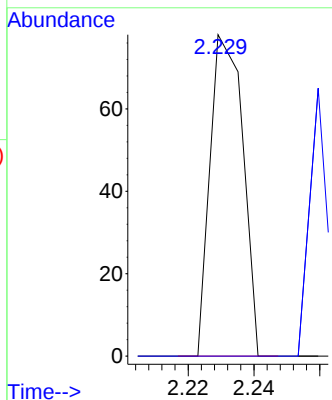
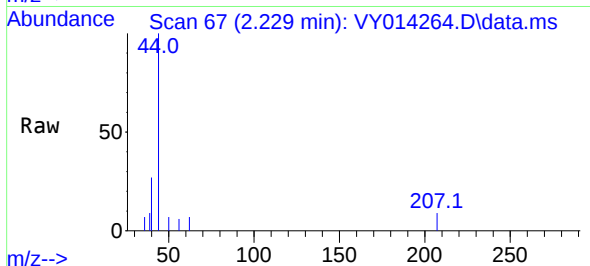




#4
 Vinyl Chloride
 Concen: 2.410 ug/l
 RT: 2.229 min Scan# 61
 Delta R.T. -0.024 min
 Lab File: VY014264.D
 Acq: 20 Jun 2023 06:36

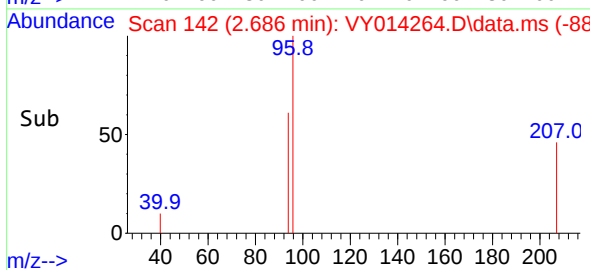
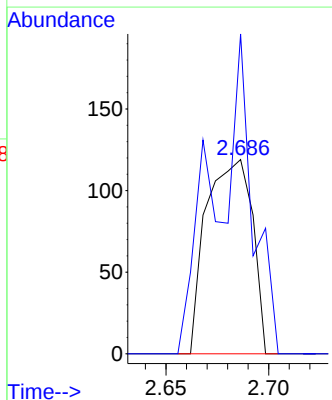
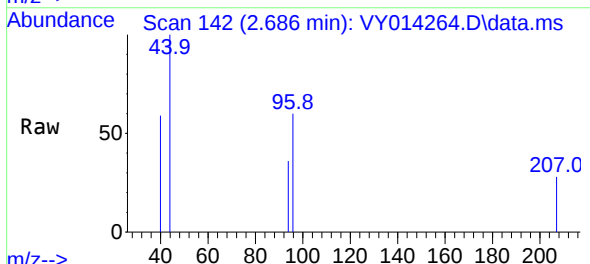
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-07-4.0-6.0

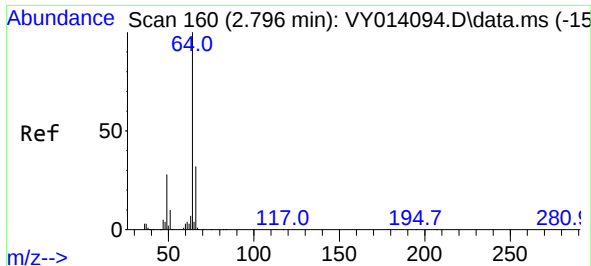
Tgt Ion: 62 Resp: 54
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.3 36.5#



#5
 Bromomethane
 Concen: 10.006 ug/l
 RT: 2.686 min Scan# 142
 Delta R.T. 0.031 min
 Lab File: VY014264.D
 Acq: 20 Jun 2023 06:36

Tgt Ion: 94 Resp: 185
 Ion Ratio Lower Upper
 94 100
 96 164.7 75.8 113.6#

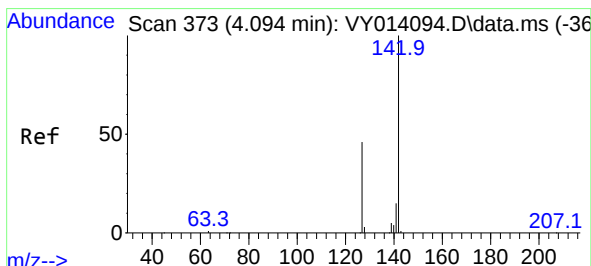
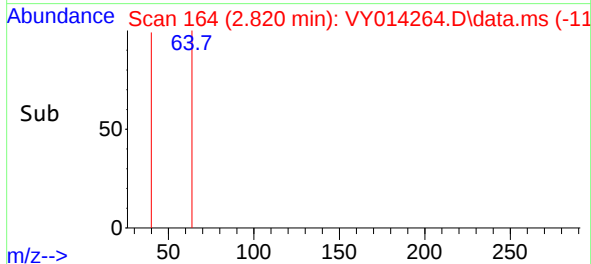
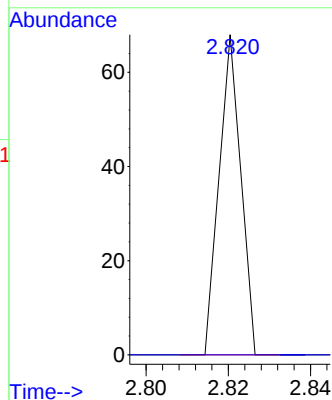
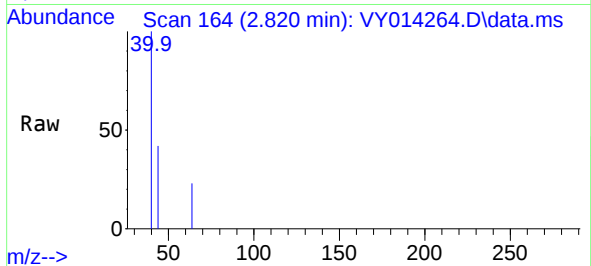




#6
Chloroethane
Concen: 1.642 ug/l
RT: 2.820 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

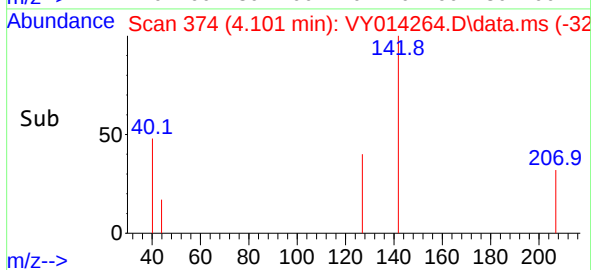
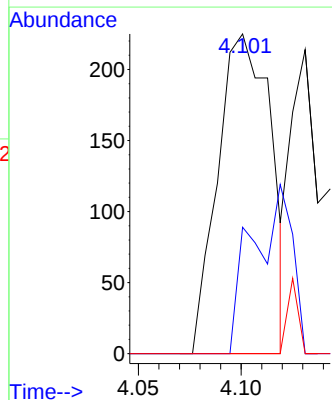
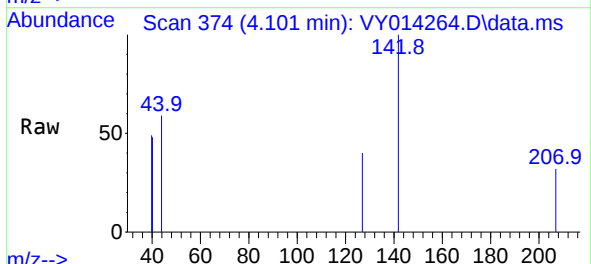
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-4.0-6.0

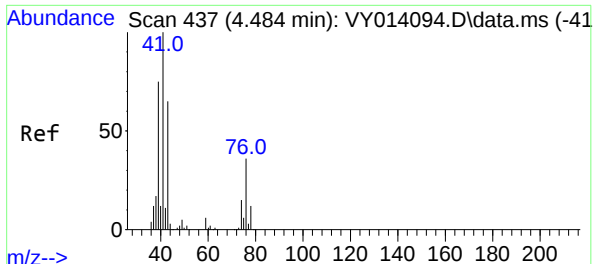
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 16.694 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.007 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Tgt Ion: 142 Resp: 405
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#14

Allyl chloride

Concen: 1.244 ug/l

RT: 4.576 min Scan# 41

Delta R.T. 0.092 min

Lab File: VY014264.D

Acq: 20 Jun 2023 06:36

Instrument :

MSVOA_Y

ClientSampleId :

SB-07-4.0-6.0

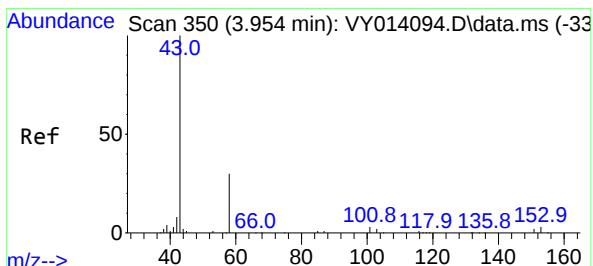
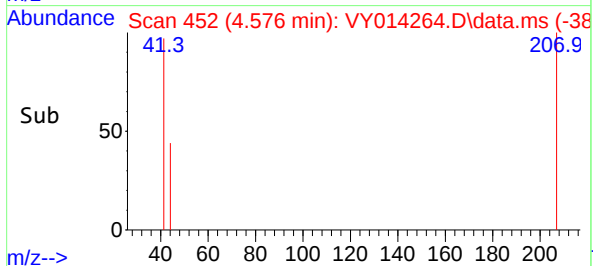
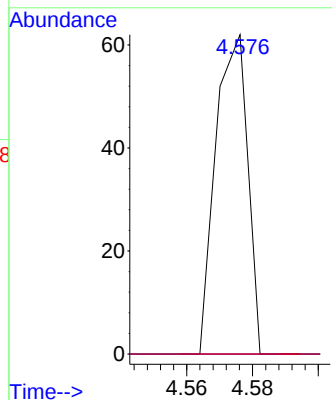
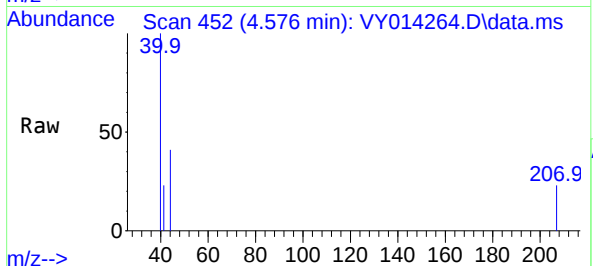
Tgt Ion: 41 Resp: 42

Ion Ratio Lower Upper

41 100

39 0.0 58.0 87.0#

76 0.0 27.4 41.2#



#16

Acetone

Concen: 68.506 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY014264.D

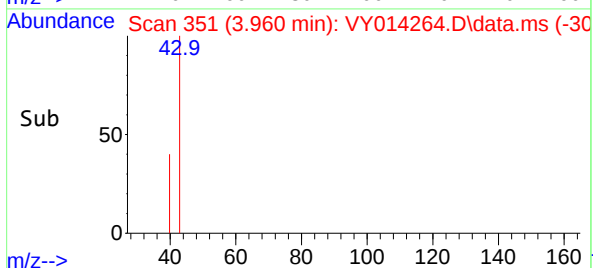
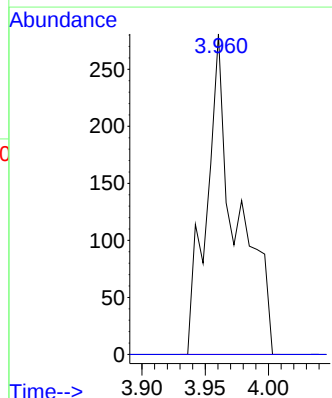
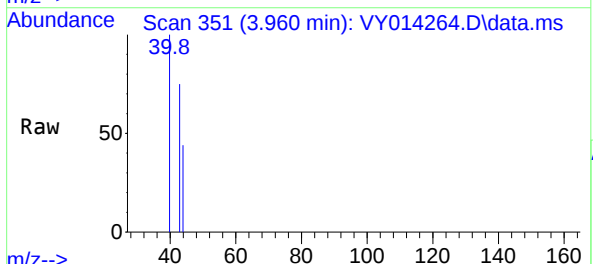
Acq: 20 Jun 2023 06:36

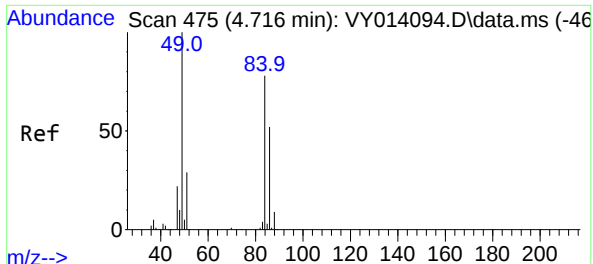
Tgt Ion: 43 Resp: 469

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



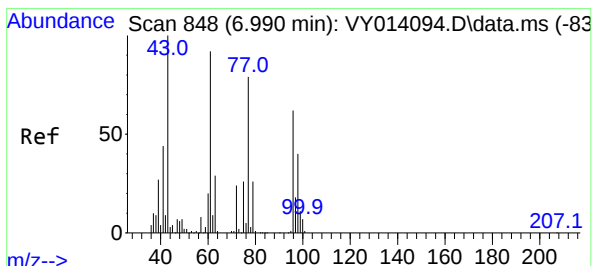
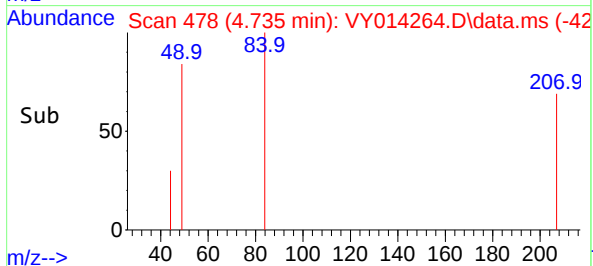
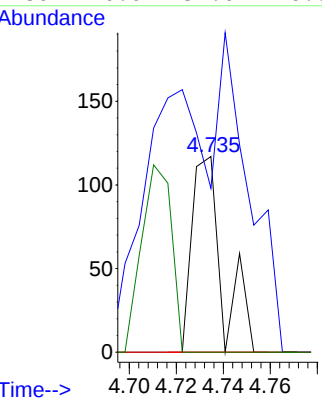
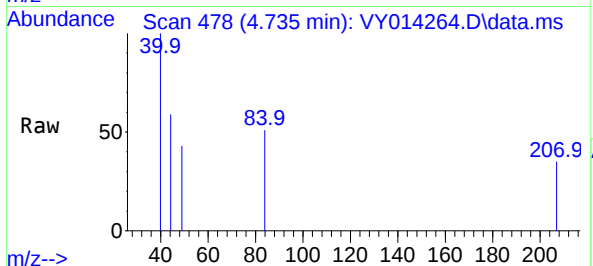


#20
Methylene Chloride
Concen: 1.313 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Instrument :
MSVOA_Y
ClientSampleId :
SB-07-4.0-6.0

Tgt Ion: 84 Resp: 105

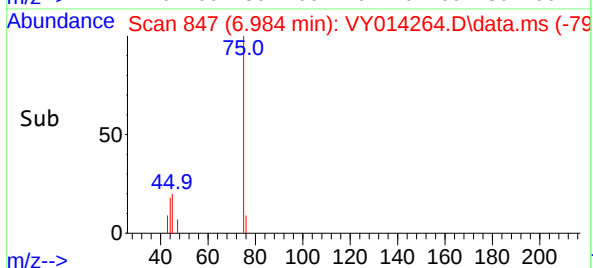
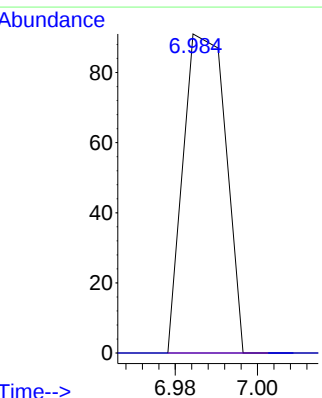
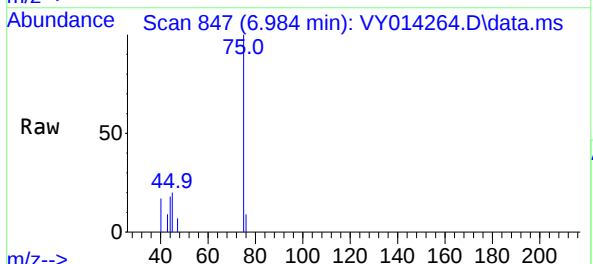
Ion	Ratio	Lower	Upper
84	100		
49	11.1	106.9	160.3#
51	0.0	33.2	49.8#
86	0.0	51.0	76.6#

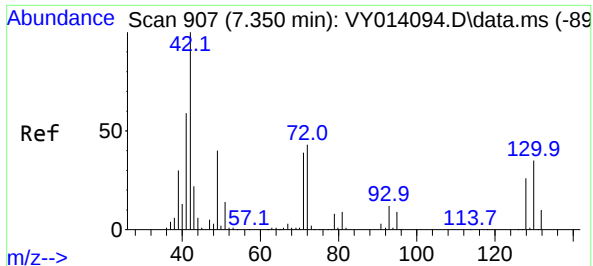


#25
2-Butanone
Concen: 7.713 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Tgt Ion: 43 Resp: 65

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#

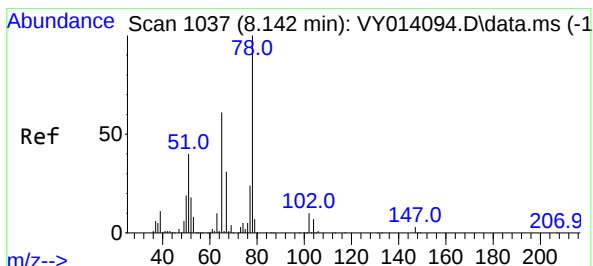
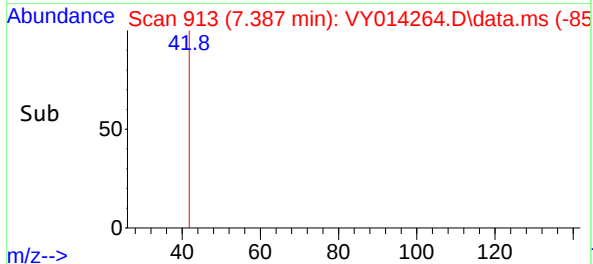
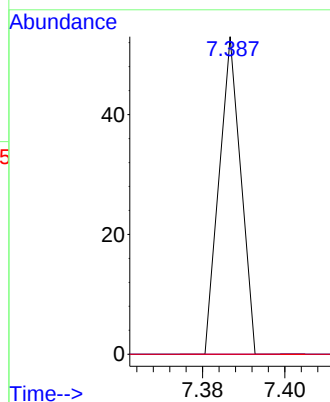
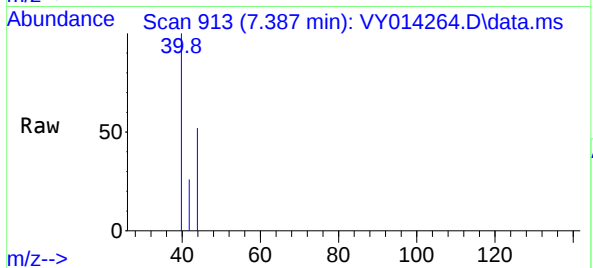




#29
Tetrahydrofuran
Concen: 3.556 ug/l
RT: 7.387 min Scan# 91
Delta R.T. 0.037 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

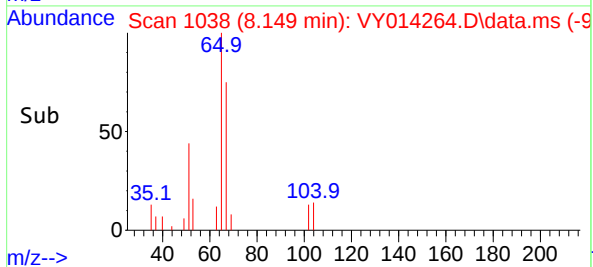
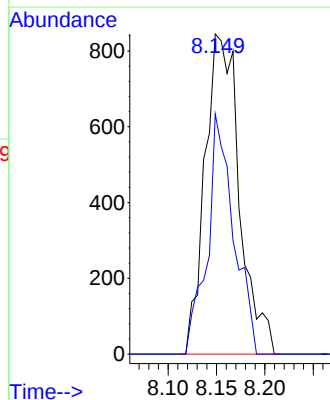
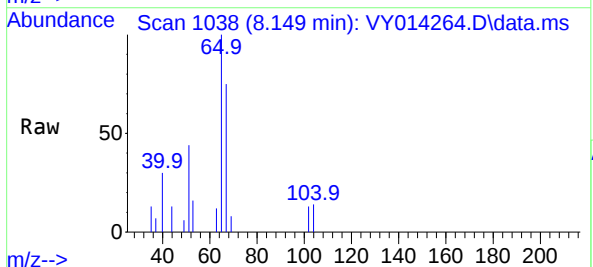
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-4.0-6.0

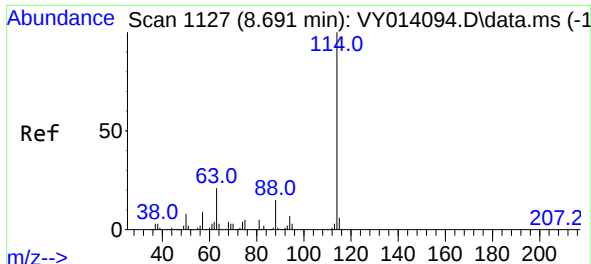
Tgt Ion: 42 Resp: 19
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.0 46.4#



#33
1,2-Dichloroethane-d4
Concen: 92.022 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Tgt Ion: 65 Resp: 2090
Ion Ratio Lower Upper
65 100
67 57.5 0.0 101.8

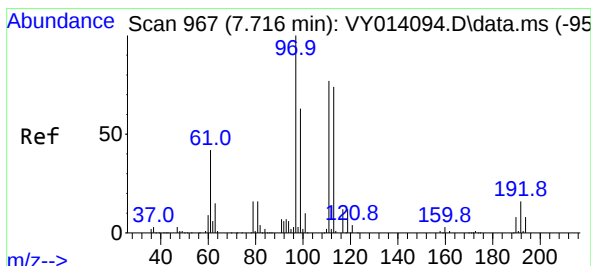
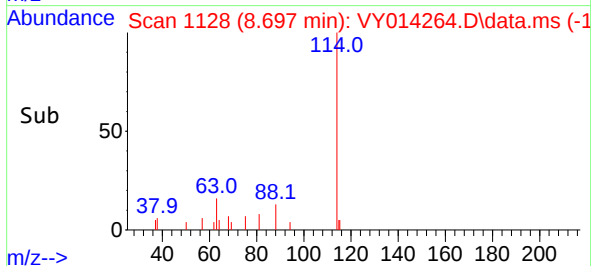
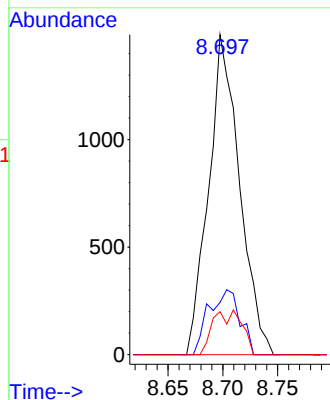
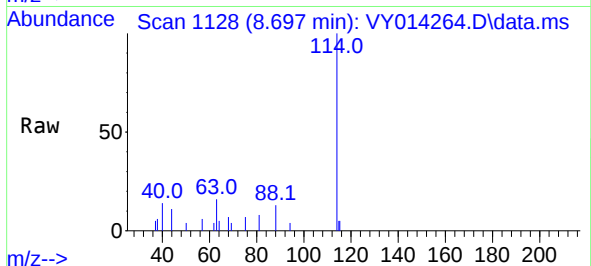




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

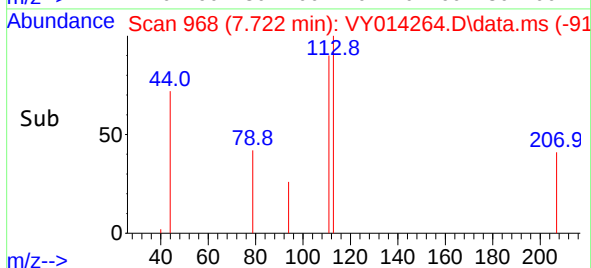
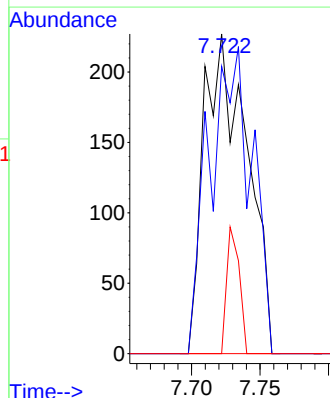
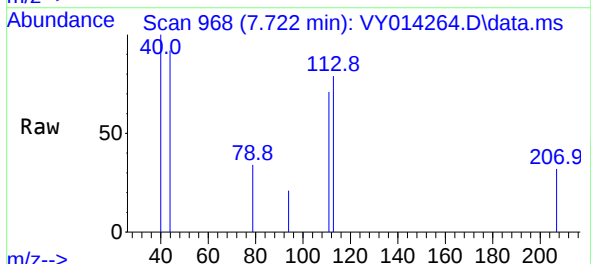
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-4.0-6.0

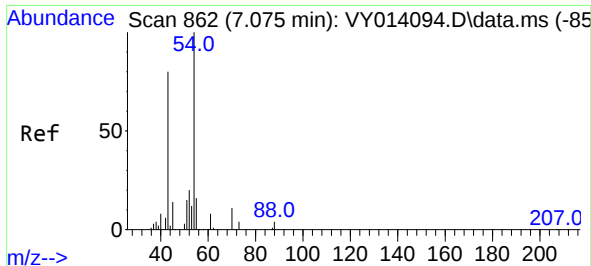
Tgt Ion:114	Resp:	2923
Ion	Ratio	Lower Upper
114	100	
63	16.3	0.0 42.4
88	13.4	0.0 30.6



#35
Dibromofluoromethane
Concen: 23.928 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Tgt Ion:113	Resp:	496
Ion	Ratio	Lower Upper
113	100	
111	95.2	81.3 121.9
192	11.5	16.9 25.3

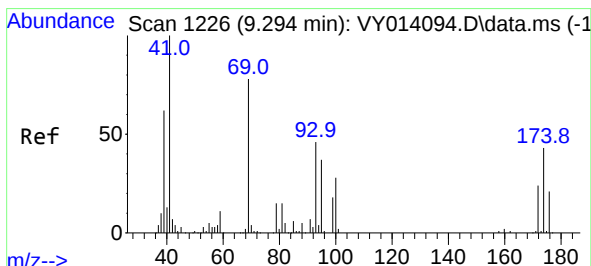
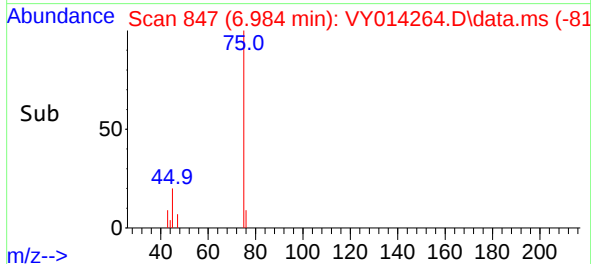
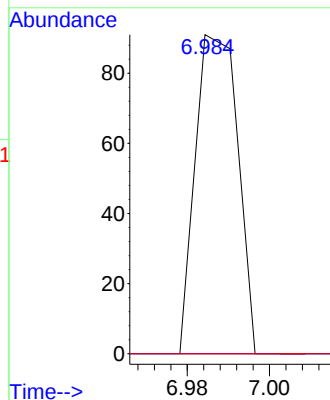
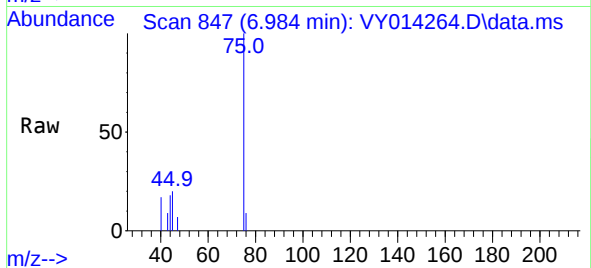




#37
Ethyl Acetate
Concen: 2.915 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.091 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

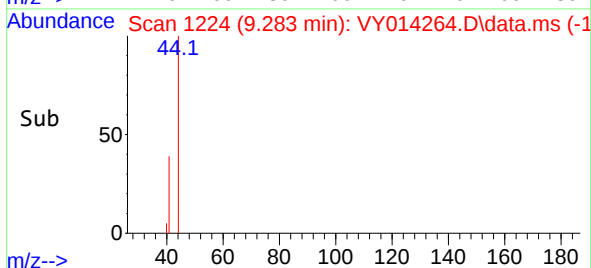
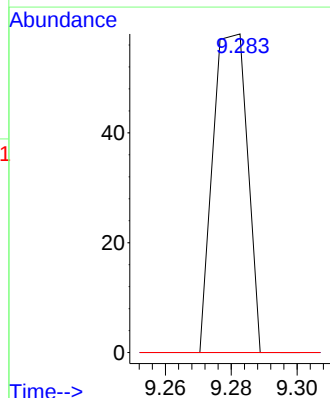
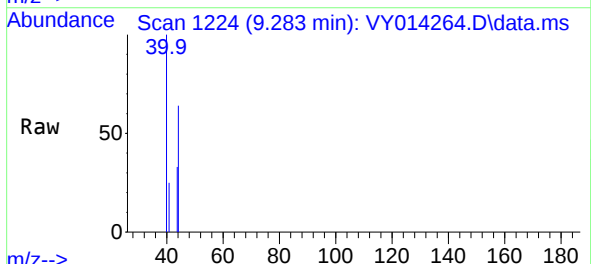
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-4.0-6.0

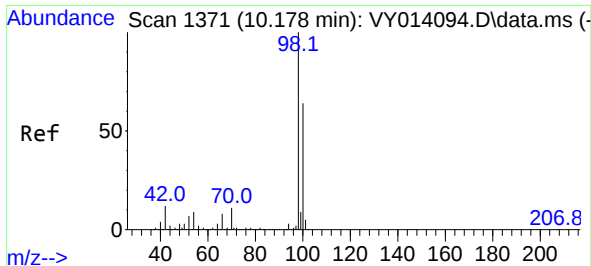
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



#48
Methyl methacrylate
Concen: 2.304 ug/l
RT: 9.283 min Scan# 1224
Delta R.T. -0.011 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Tgt Ion: 41 Resp: 42
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 0.0 50.8 76.2#

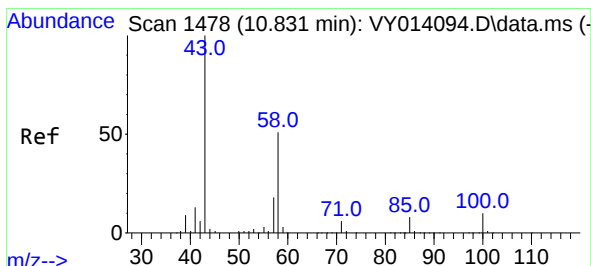
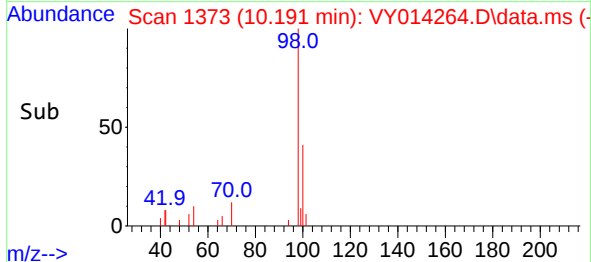
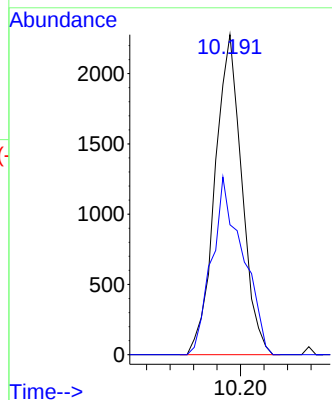
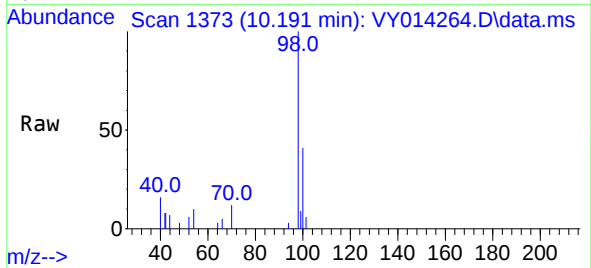




#50
Toluene-d8
Concen: 46.595 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

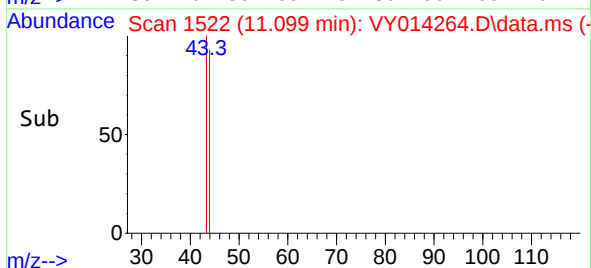
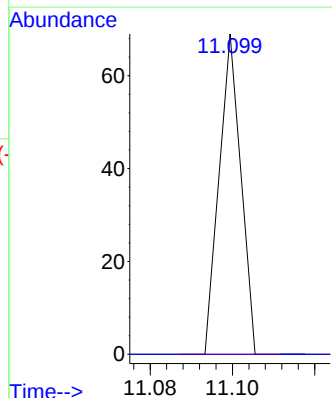
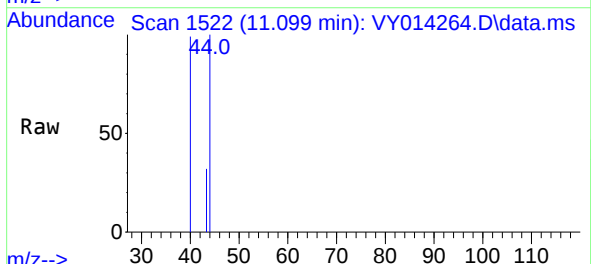
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-4.0-6.0

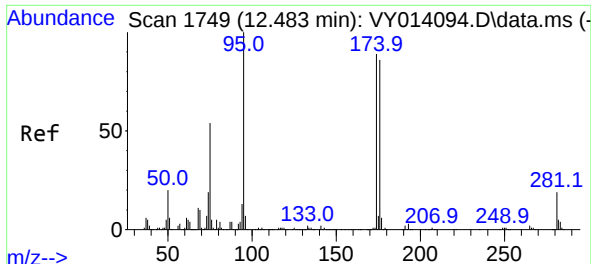
Tgt Ion: 98 Resp: 3611
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1



#59
2-Hexanone
Concen: 1.630 ug/l
RT: 11.099 min Scan# 1522
Delta R.T. 0.268 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#

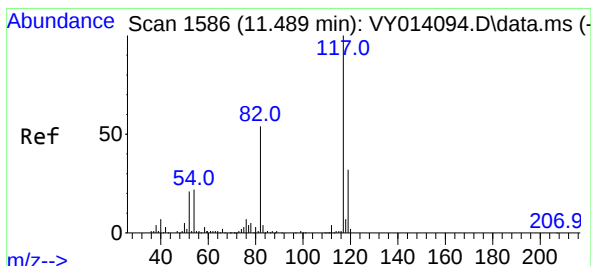
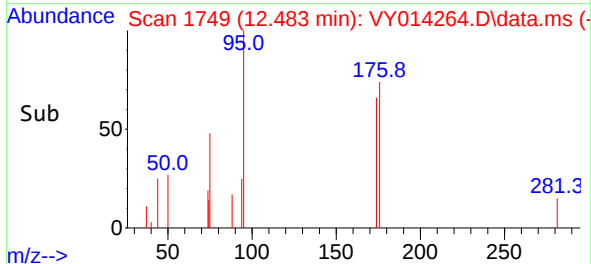
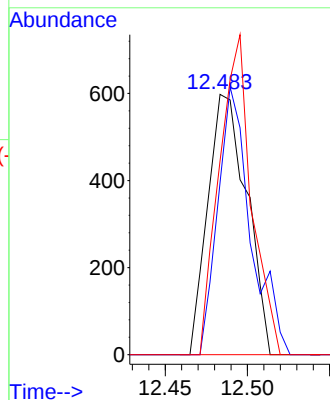
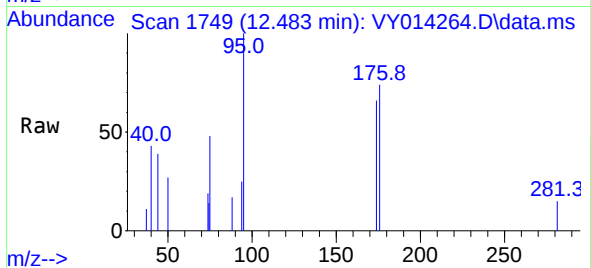




#62
4-Bromofluorobenzene
Concen: 35.707 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

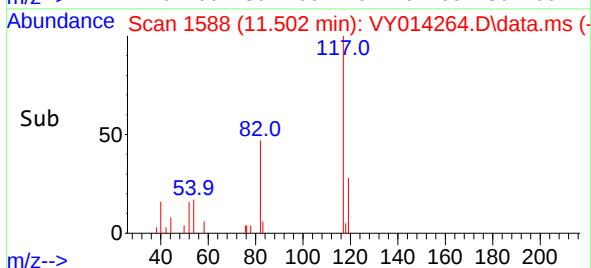
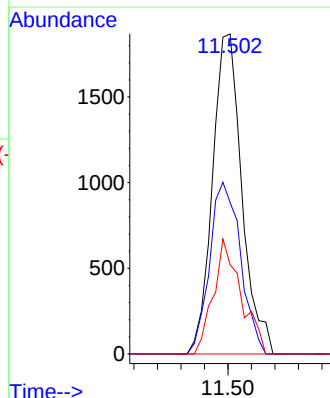
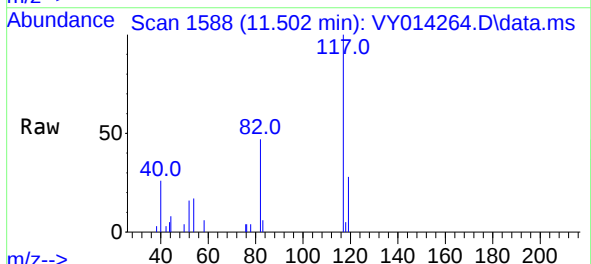
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-4.0-6.0

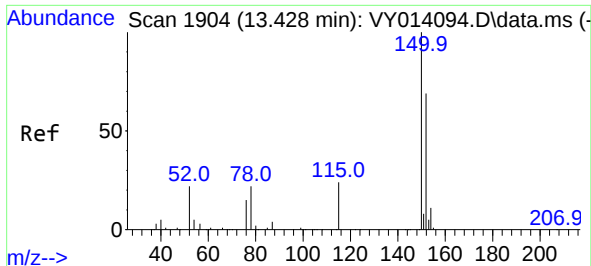
Tgt Ion:	95	Resp:	983
Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	178.2
176	102.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.013 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Tgt Ion:	117	Resp:	3247
Ion	Ratio	Lower	Upper
117	100		
82	47.3	43.4	65.0
119	27.8	26.3	39.5

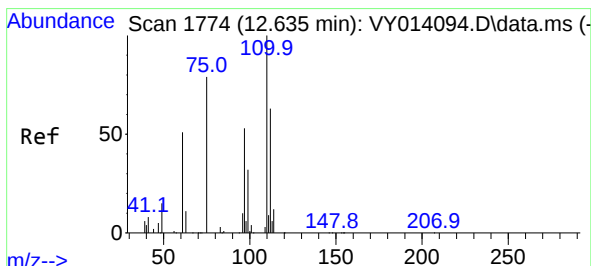
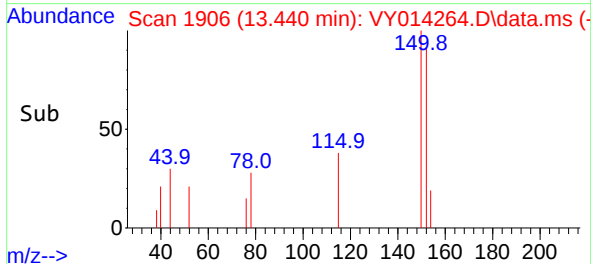
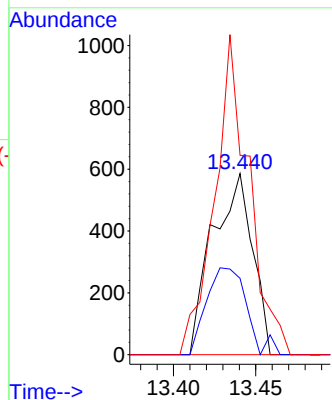
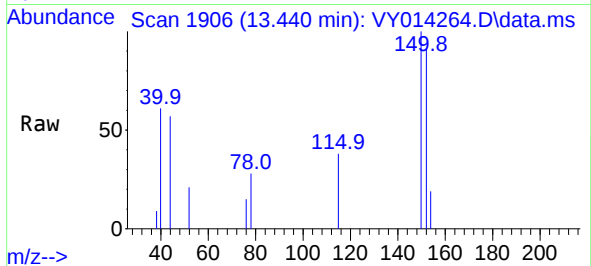




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.012 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

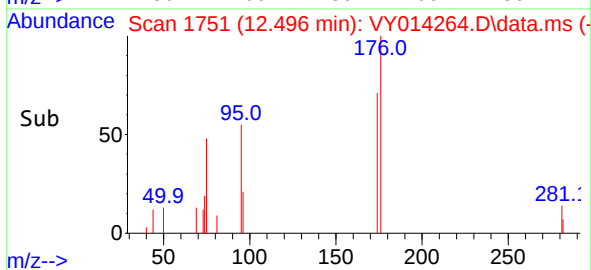
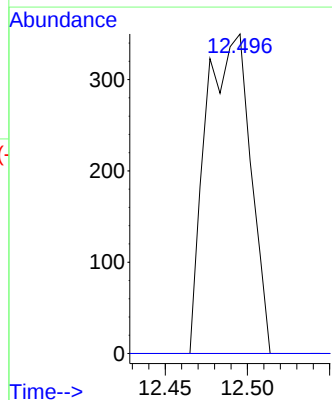
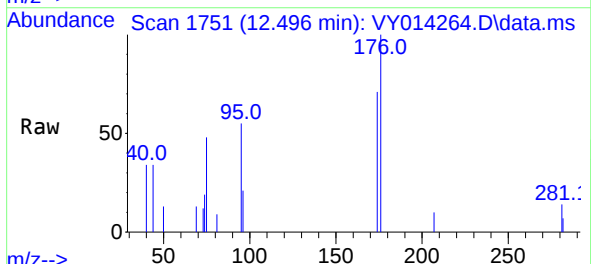
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-4.0-6.0

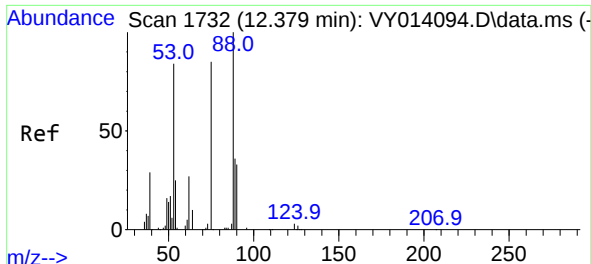
Tgt Ion:152 Resp: 989
Ion Ratio Lower Upper
152 100
115 48.1 28.8 86.5
150 151.2 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 50.634 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. -0.139 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Tgt Ion: 75 Resp: 657
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

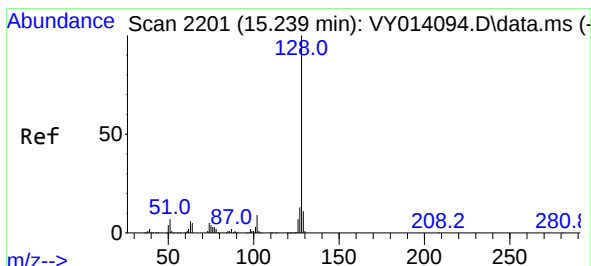
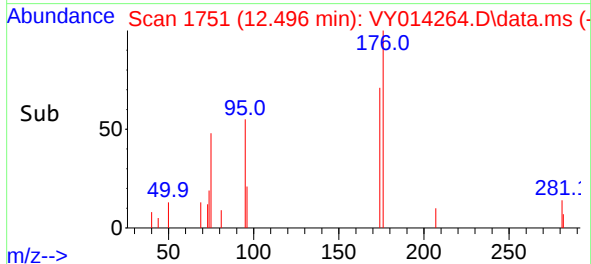
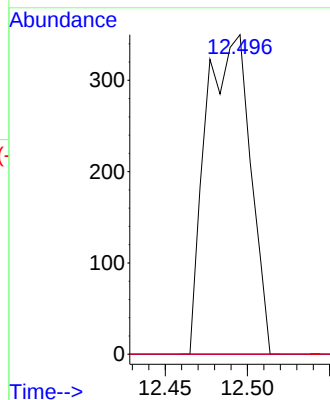
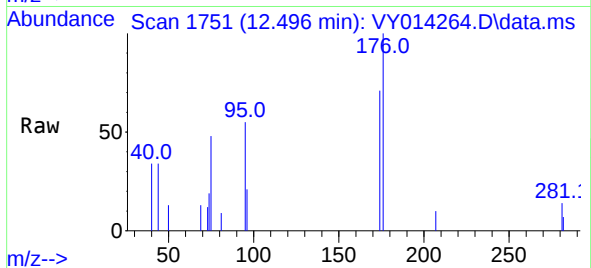




#81
trans-1,4-Dichloro-2-butene
Concen: 109.451 ug/l
RT: 12.496 min Scan# 11
Delta R.T. 0.117 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Instrument :
MSVOA_Y
ClientSampleId :
SB-07-4.0-6.0

Tgt Ion: 75 Resp: 657
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 2.241 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY014264.D
Acq: 20 Jun 2023 06:36

Tgt Ion:128 Resp: 98
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

