

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010646.D
 Acq On : 23 Sep 2022 14:12
 Operator : KP/MD
 Sample : N4742-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-06-6.5-7.0

Quant Time: Sep 24 01:21:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

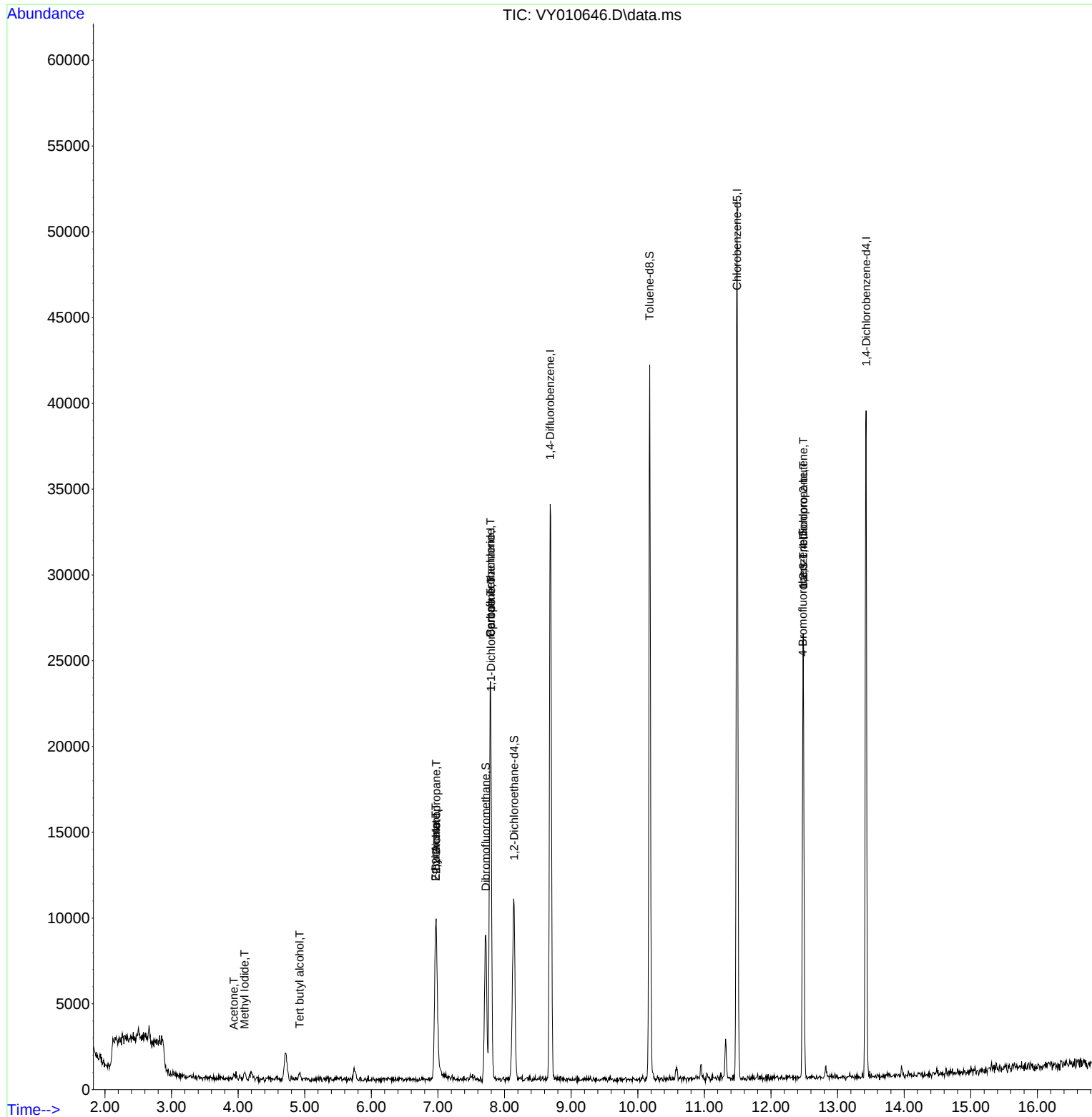
Internal Standards						
1) Pentafluorobenzene	7.789	168	18872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	30464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	28208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	8138	45.084	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.160%
35) Dibromofluoromethane	7.716	113	6314	32.476	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	64.960%
50) Toluene-d8	10.179	98	26978	38.323	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	76.640%
62) 4-Bromofluorobenzene	12.477	95	7017	24.961	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	49.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	177	Below Cal	#	44
4) Vinyl Chloride	2.406	62	40	Below Cal	#	43
5) Bromomethane	2.662	94	242	Below Cal		91
10) Methyl Iodide	4.095	142	418	2.425	ug/l #	91
11) Tert butyl alcohol	4.924	59	259	5.098	ug/l #	77
16) Acetone	3.936	43	213	5.786	ug/l #	47
18) Methyl Acetate	4.192	43	95	Below Cal	#	56
20) Methylene Chloride	4.704	84	593	Below Cal	#	76
25) 2-Butanone	6.966	43	493	8.563	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	697	2.546	ug/l #	55
31) Cyclohexane	7.783	56	491	Below Cal	#	63
36) 1,1-Dichloropropene	7.795	75	1401	6.467	ug/l #	48
37) Ethyl Acetate	6.966	43	493	3.940	ug/l #	1
38) Carbon Tetrachloride	7.789	117	1762	7.074	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	3536	36.247	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3536	80.593	ug/l #	7

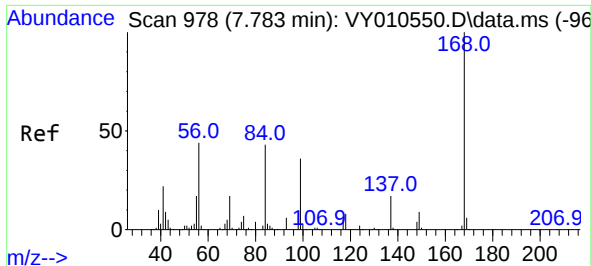
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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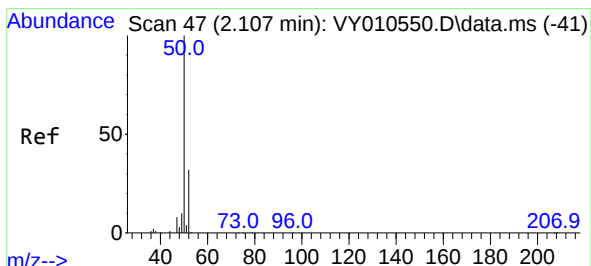
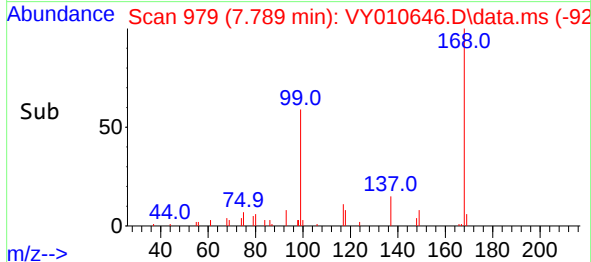
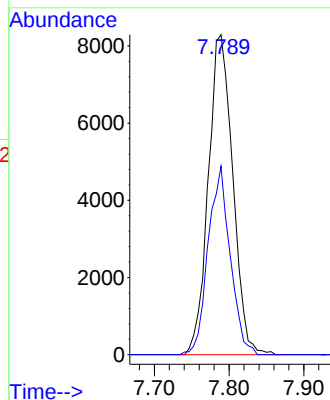
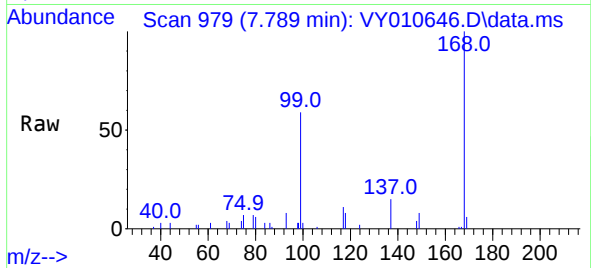




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

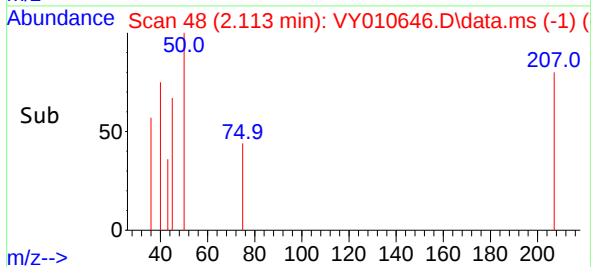
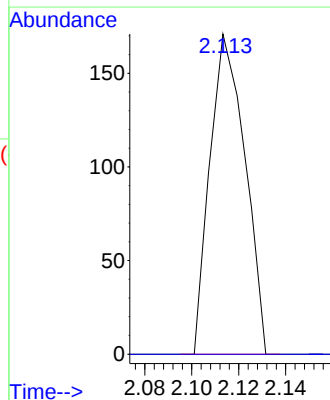
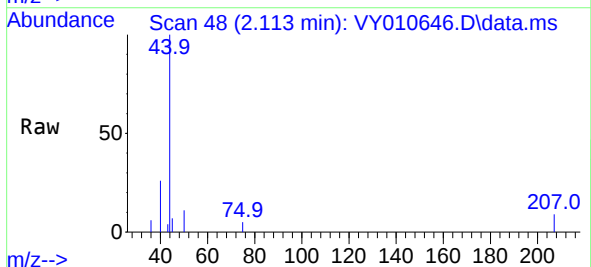
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-6.5-7.0

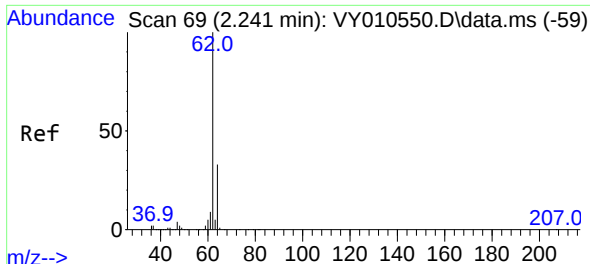
Tgt Ion:168 Resp: 18872
Ion Ratio Lower Upper
168 100
99 58.9 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

Tgt Ion: 50 Resp: 177
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

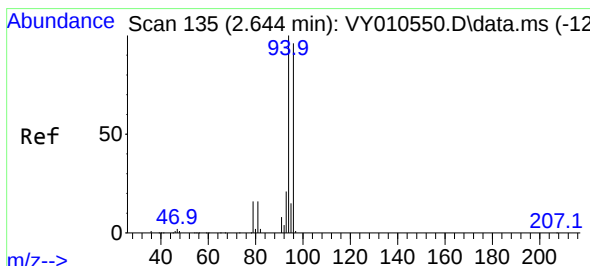
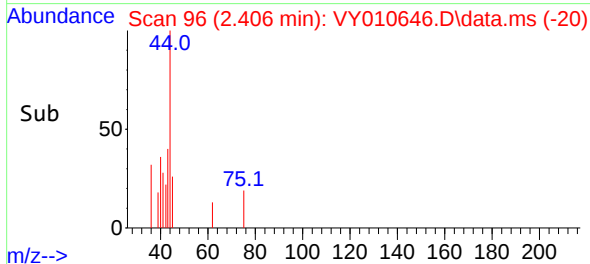
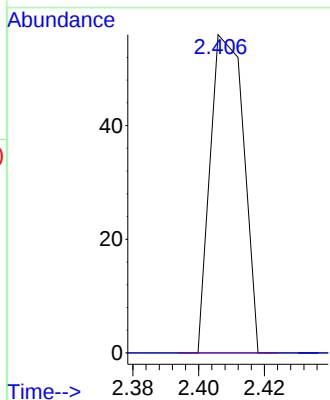
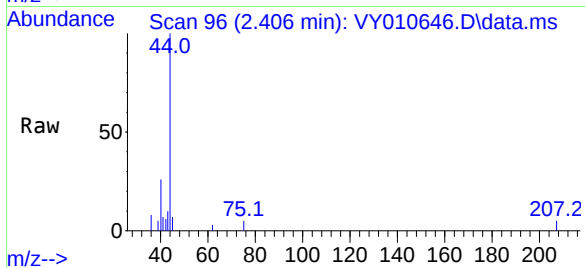




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.406 min Scan# 90
 Delta R.T. 0.165 min
 Lab File: VY010646.D
 Acq: 23 Sep 2022 14:12

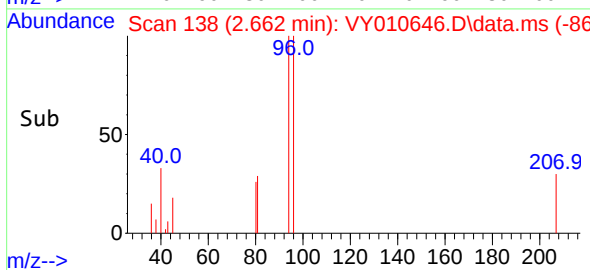
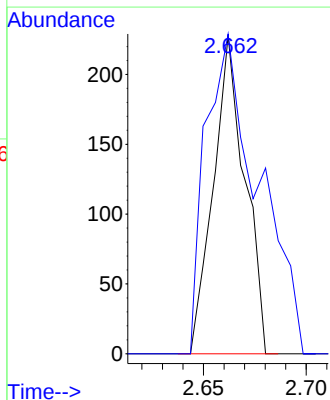
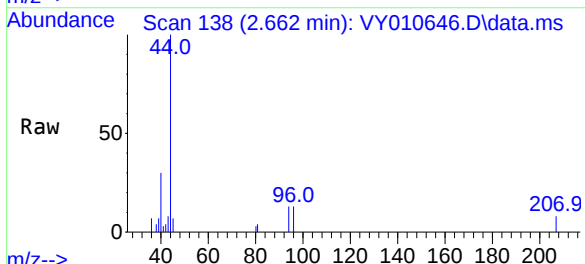
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-06-6.5-7.0

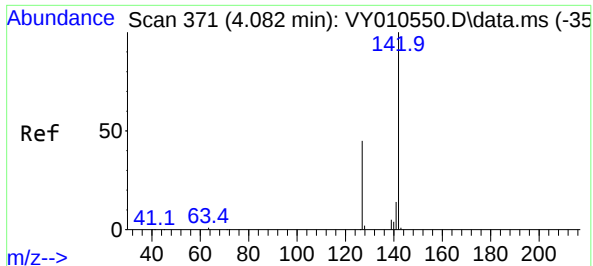
Tgt Ion: 62 Resp: 40
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.018 min
 Lab File: VY010646.D
 Acq: 23 Sep 2022 14:12

Tgt Ion: 94 Resp: 242
 Ion Ratio Lower Upper
 94 100
 96 100.4 73.5 110.3





#10

Methyl Iodide

Concen: 2.425 ug/l

RT: 4.095 min Scan# 31

Delta R.T. 0.013 min

Lab File: VY010646.D

Acq: 23 Sep 2022 14:12

Instrument :

MSVOA_Y

ClientSampleId :

SB-06-6.5-7.0

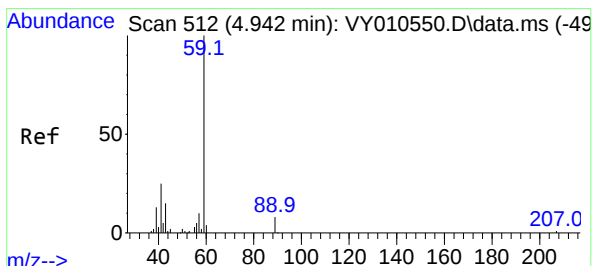
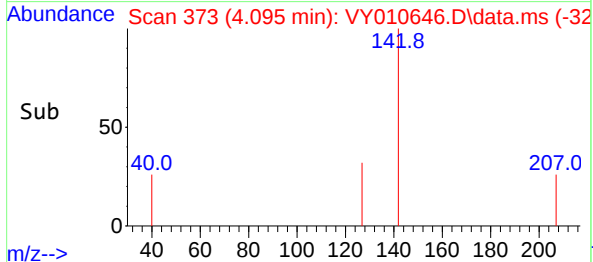
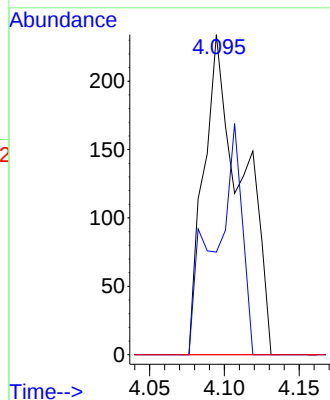
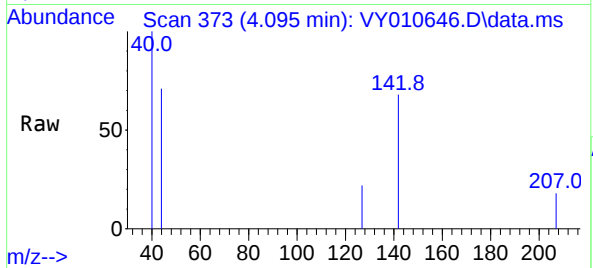
Tgt Ion:142 Resp: 418

Ion Ratio Lower Upper

142 100

127 51.4 41.5 62.3

141 0.0 11.9 17.9#



#11

Tert butyl alcohol

Concen: 5.098 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.018 min

Lab File: VY010646.D

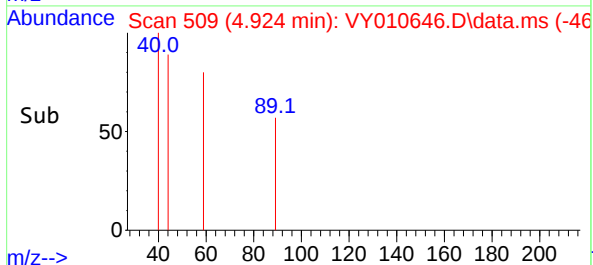
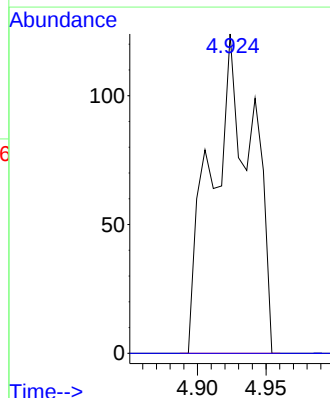
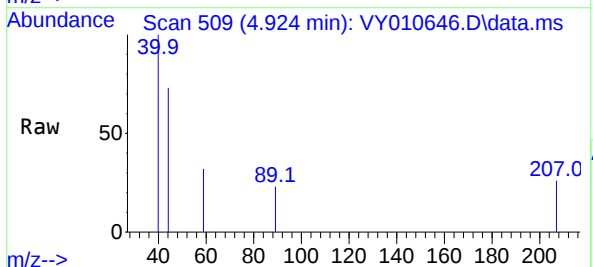
Acq: 23 Sep 2022 14:12

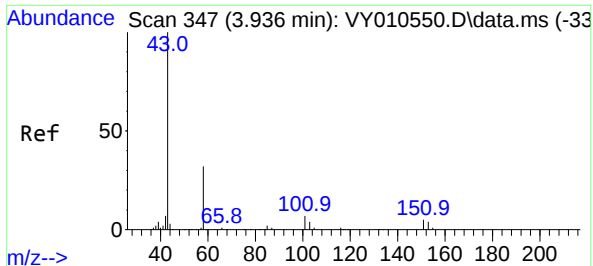
Tgt Ion: 59 Resp: 259

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#

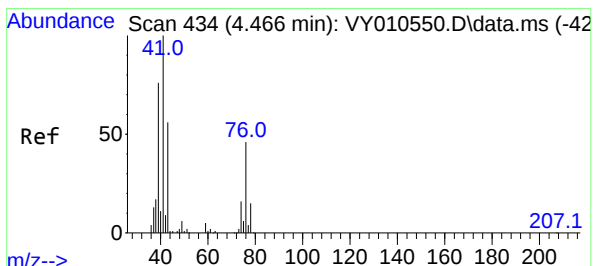
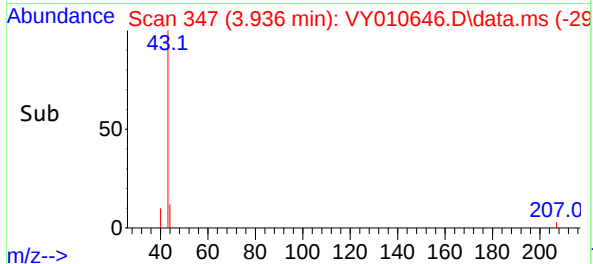
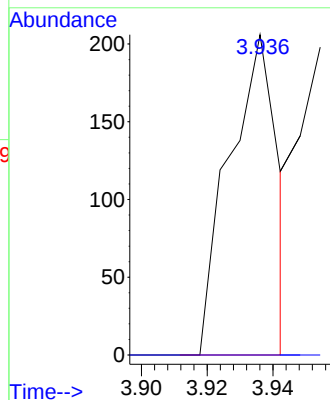
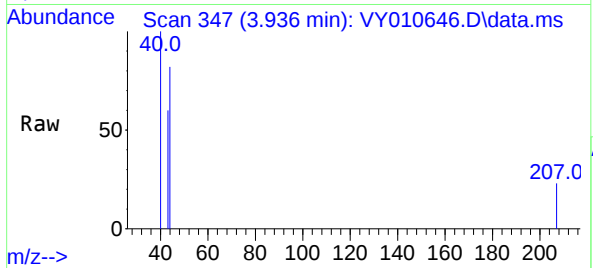




#16
Acetone
Concen: 5.786 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

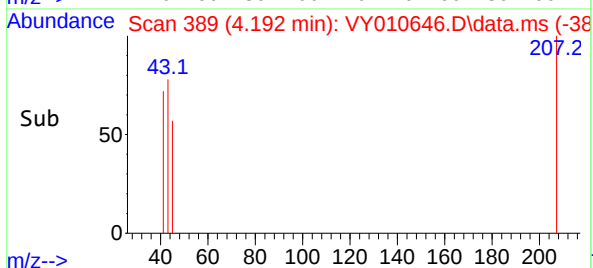
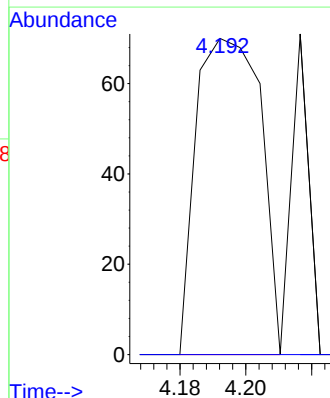
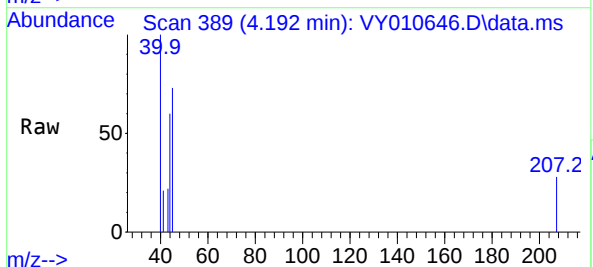
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-6.5-7.0

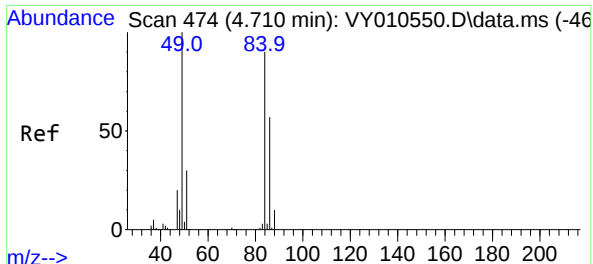
Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. -0.274 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

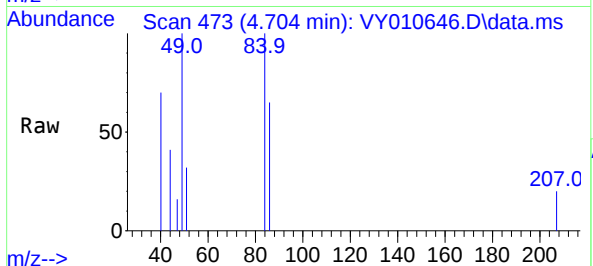
Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



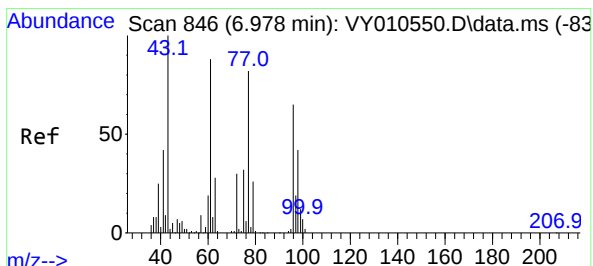
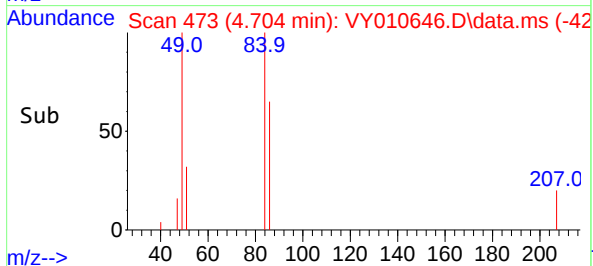
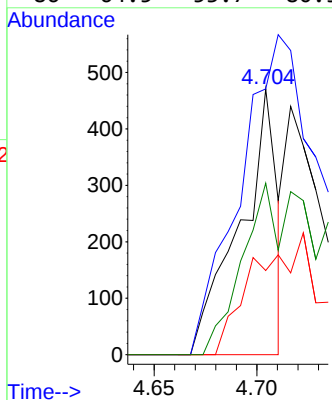


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

Instrument :
MSVOA_Y
ClientSampleId :
SB-06-6.5-7.0

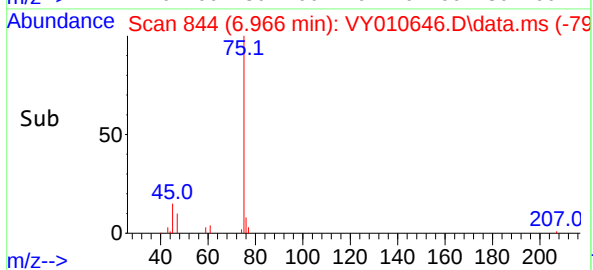
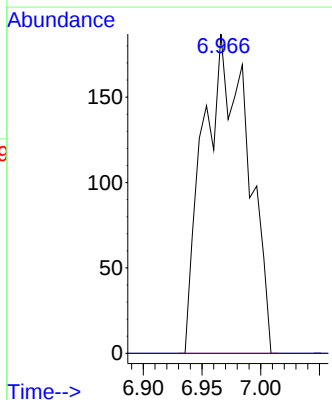
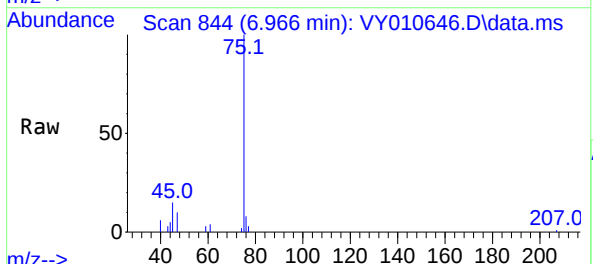


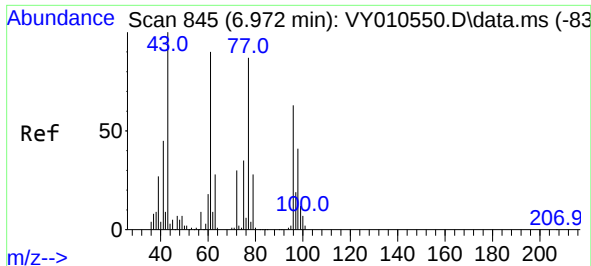
Tgt Ion: 84 Resp: 593
Ion Ratio Lower Upper
84 100
49 100.0 114.4 171.6#
51 31.6 35.3 52.9#
86 64.5 53.7 80.5



#25
2-Butanone
Concen: 8.563 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

Tgt Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

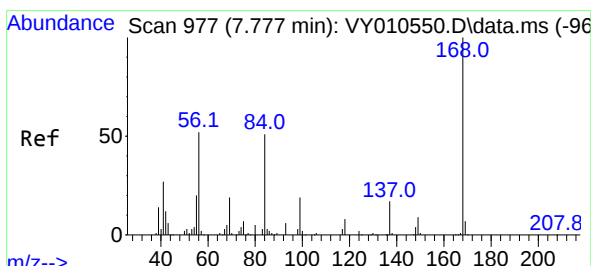
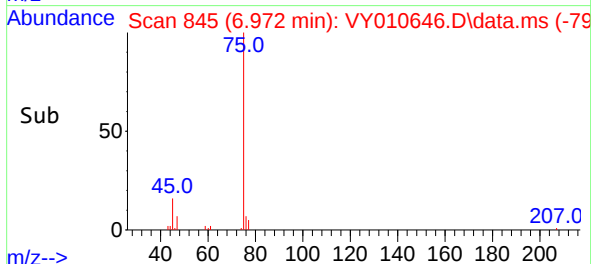
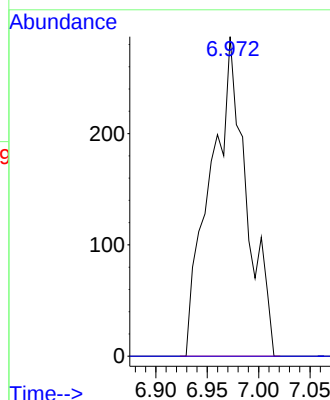
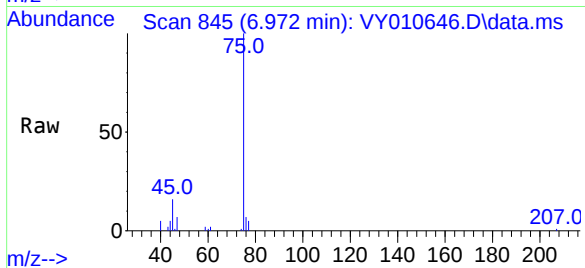




#26
2,2-Dichloropropane
Concen: 2.546 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

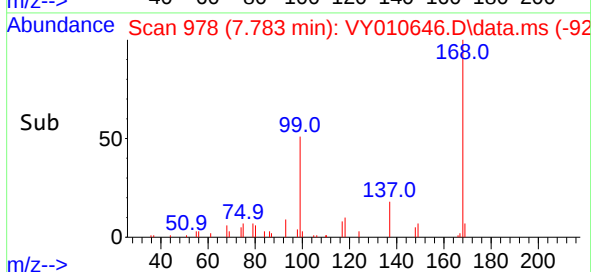
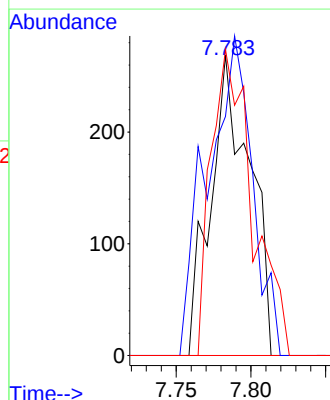
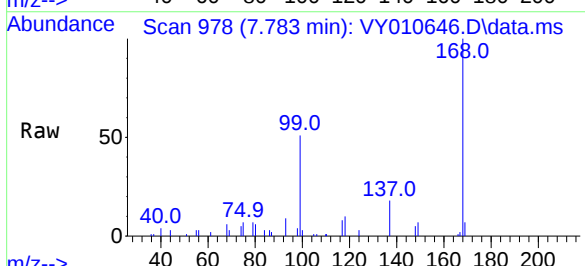
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-6.5-7.0

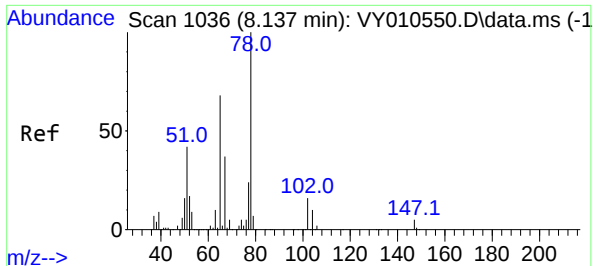
Tgt Ion: 77 Resp: 697
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

Tgt Ion: 56 Resp: 491
Ion Ratio Lower Upper
56 100
69 79.6 26.7 40.1#
84 101.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 45.084 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY010646.D

Acq: 23 Sep 2022 14:12

Instrument :

MSVOA_Y

ClientSampleId :

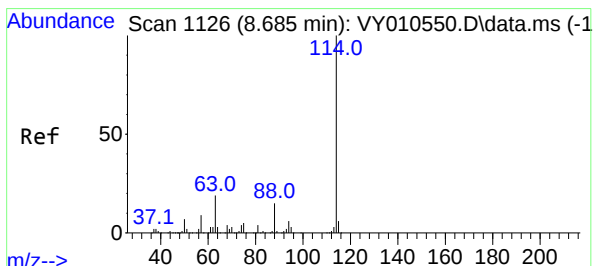
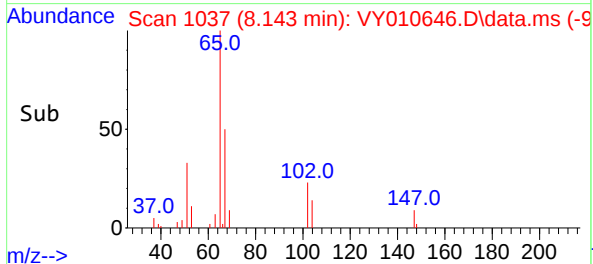
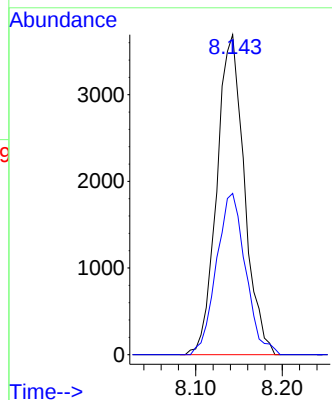
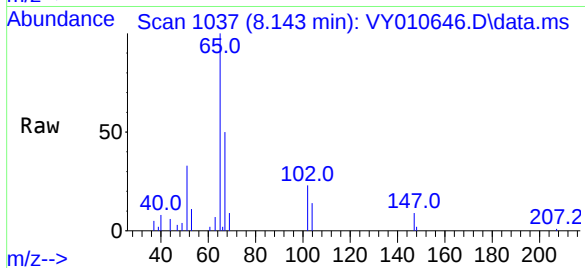
SB-06-6.5-7.0

Tgt Ion: 65 Resp: 8138

Ion Ratio Lower Upper

65 100

67 53.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010646.D

Acq: 23 Sep 2022 14:12

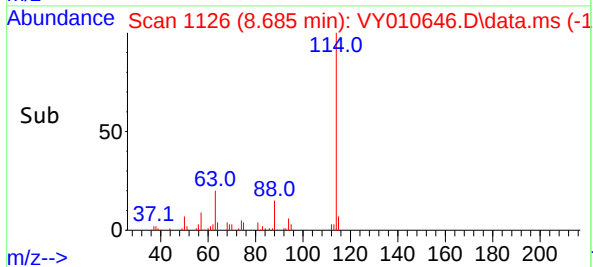
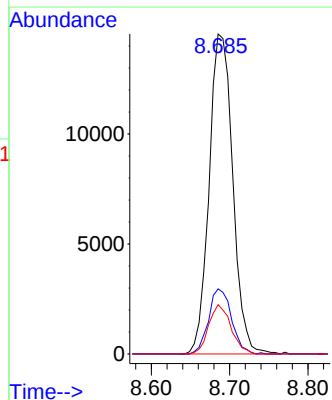
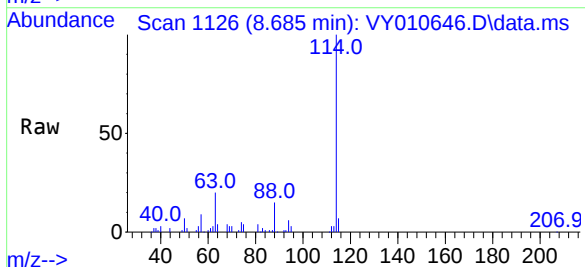
Tgt Ion: 114 Resp: 30464

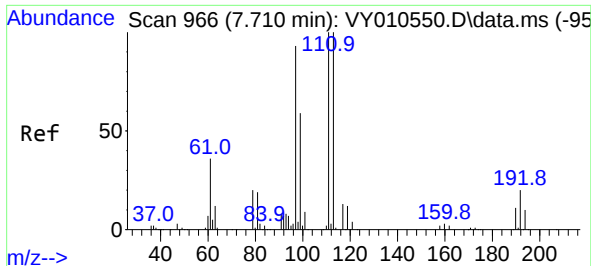
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 15.4 0.0 31.8

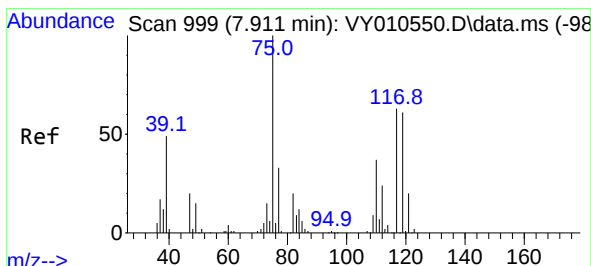
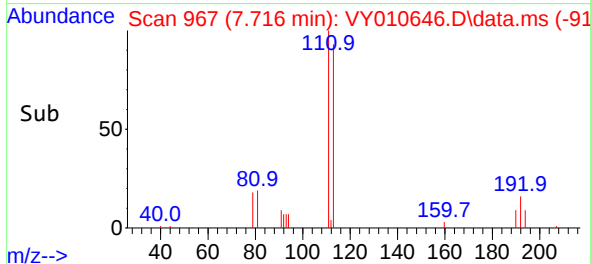
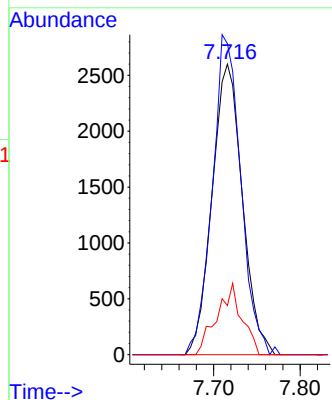
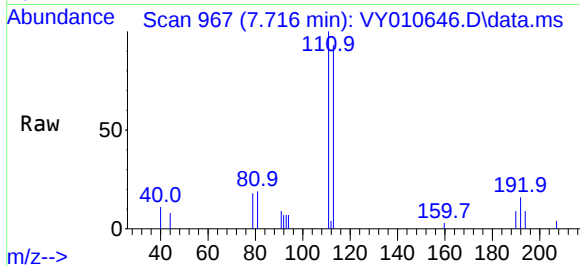




#35
Dibromofluoromethane
Concen: 32.476 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

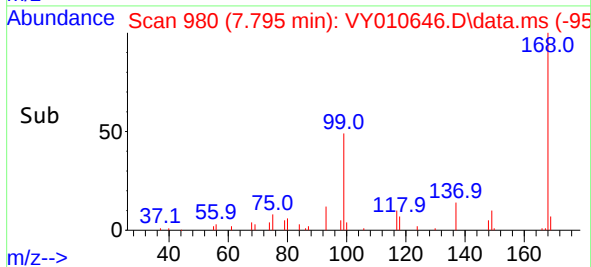
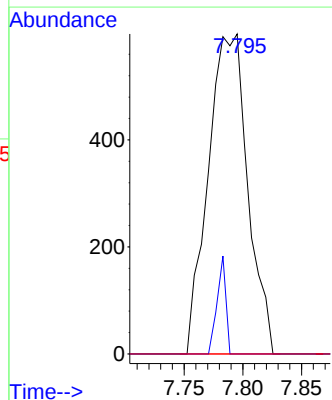
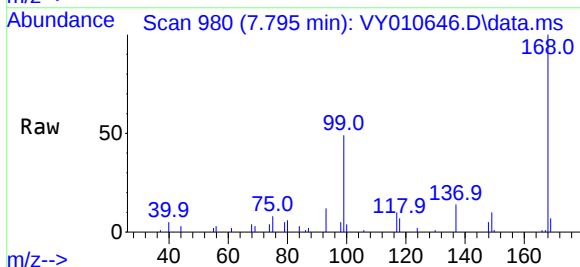
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-6.5-7.0

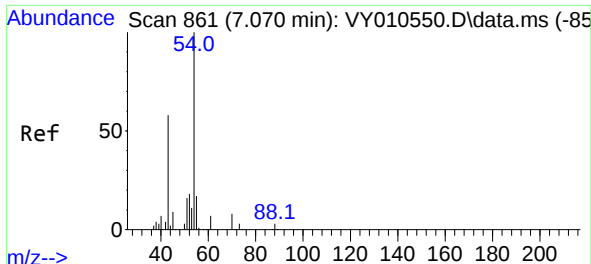
Tgt Ion:113 Resp: 6314
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 20.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.467 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

Tgt Ion: 75 Resp: 1401
Ion Ratio Lower Upper
75 100
110 6.8 17.1 51.2#
77 0.0 24.4 36.6#

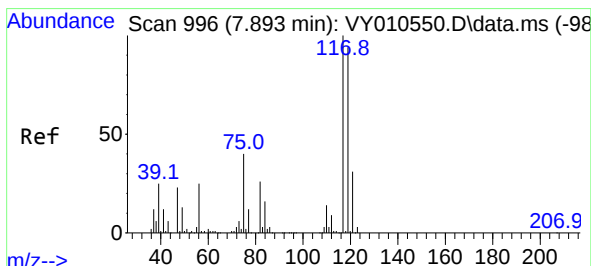
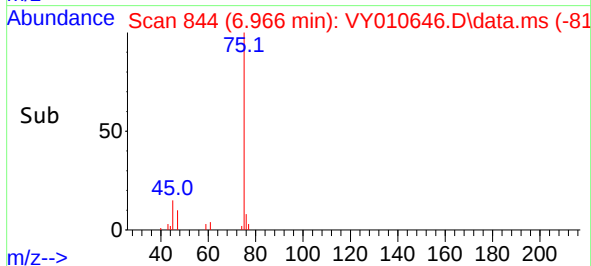
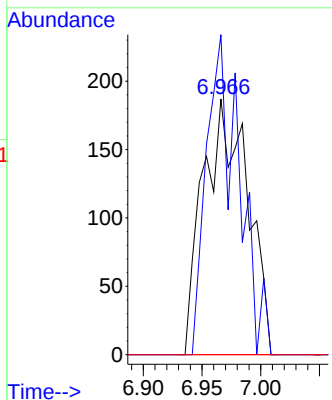
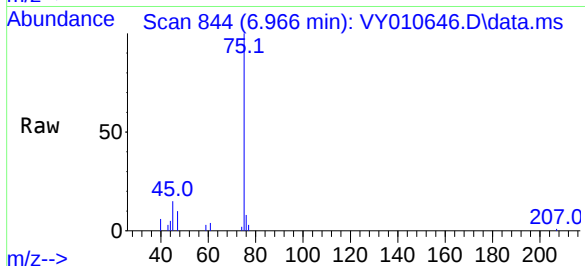




#37
Ethyl Acetate
Concen: 3.940 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.104 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

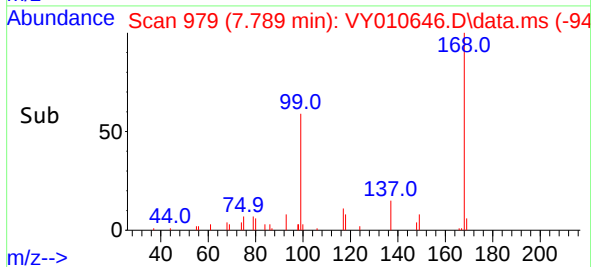
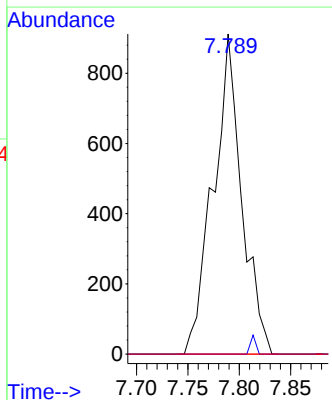
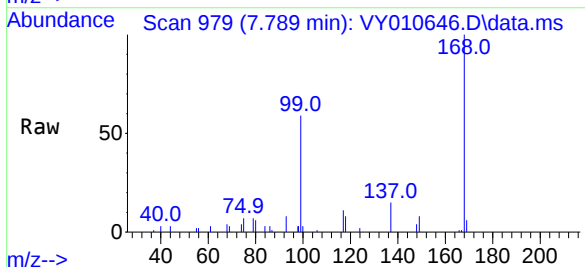
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-6.5-7.0

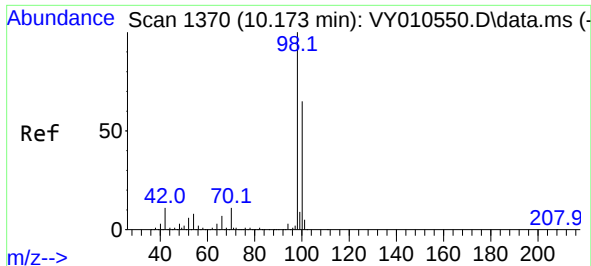
Tgt Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
61 90.7 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 7.074 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

Tgt Ion: 117 Resp: 1762
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

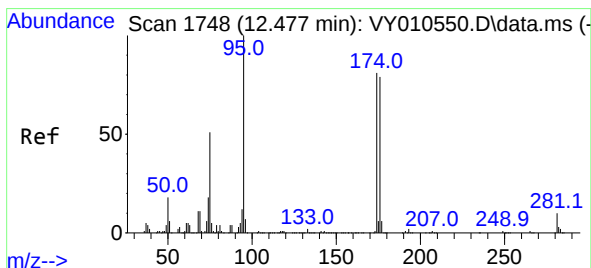
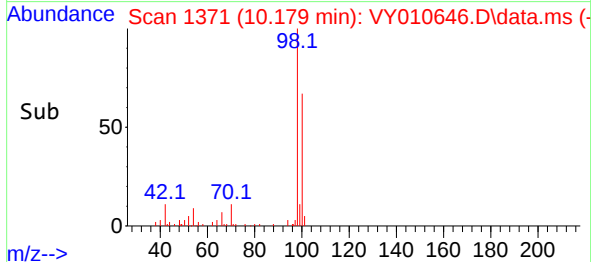
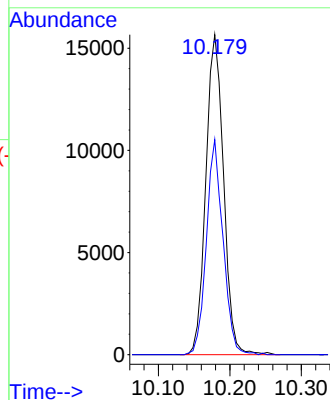
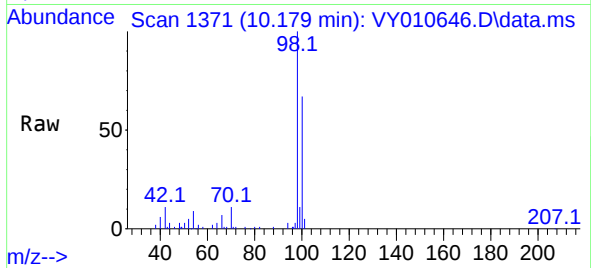




#50
Toluene-d8
Concen: 38.323 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

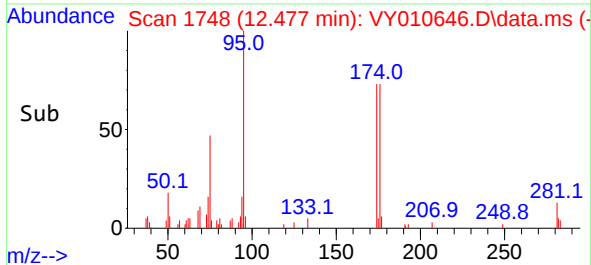
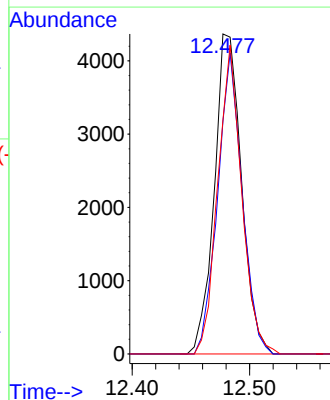
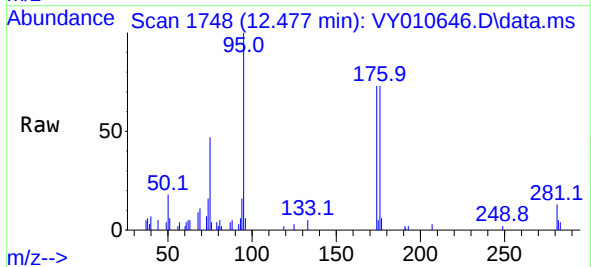
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-6.5-7.0

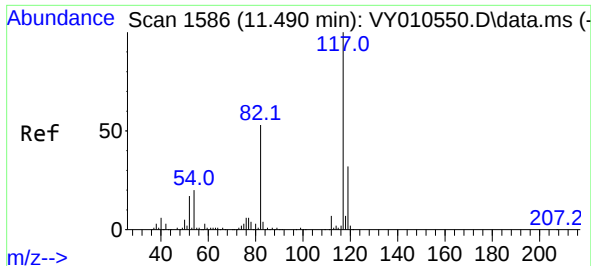
Tgt Ion: 98 Resp: 26978
Ion Ratio Lower Upper
98 100
100 63.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 24.961 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

Tgt Ion: 95 Resp: 7017
Ion Ratio Lower Upper
95 100
174 84.8 0.0 177.0
176 84.9 0.0 175.8

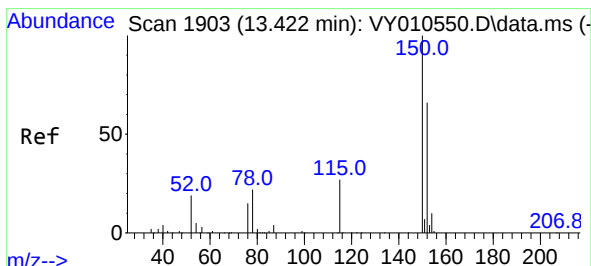
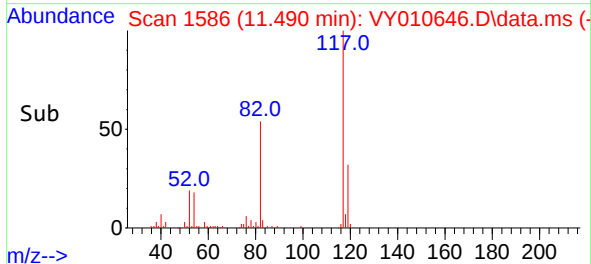
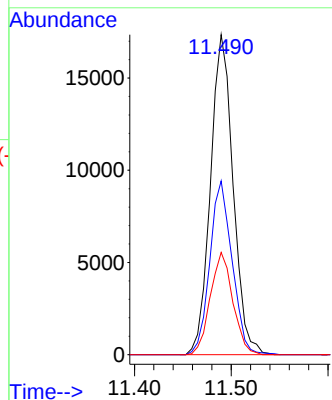
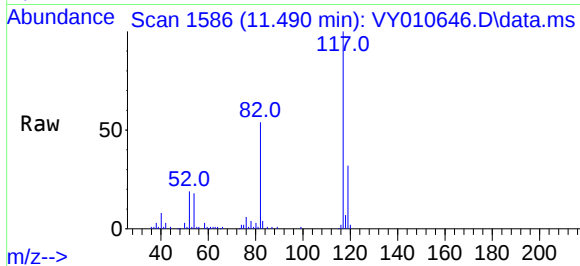




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

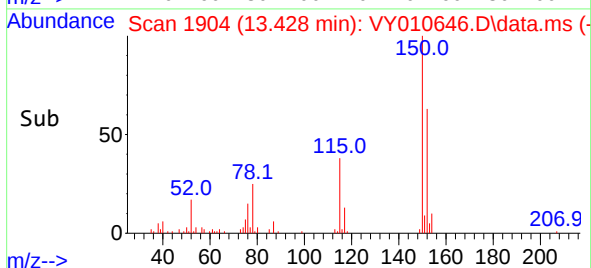
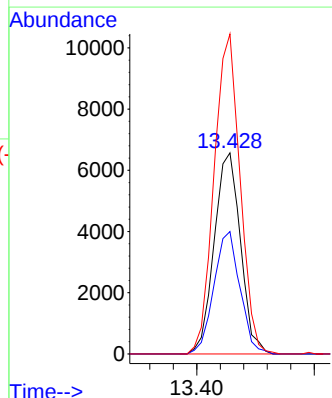
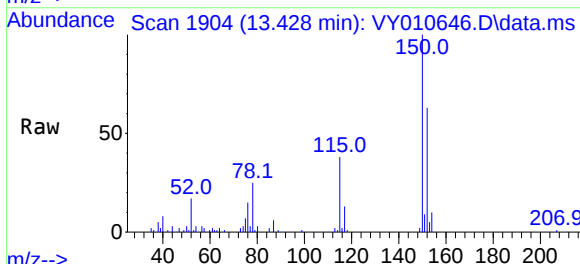
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-6.5-7.0

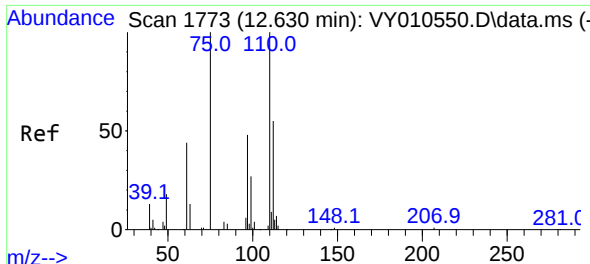
Tgt Ion:	117	Resp:	28208
Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.0	64.4
119	32.0	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

Tgt Ion:	152	Resp:	10221
Ion	Ratio	Lower	Upper
152	100		
115	60.4	28.2	84.7
150	156.9	0.0	347.6

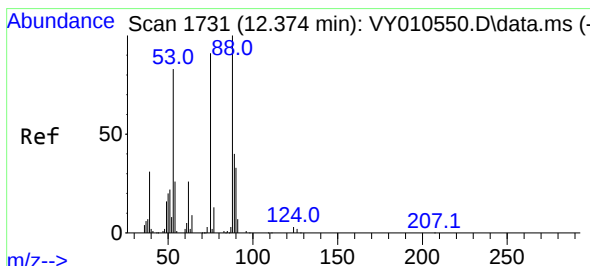
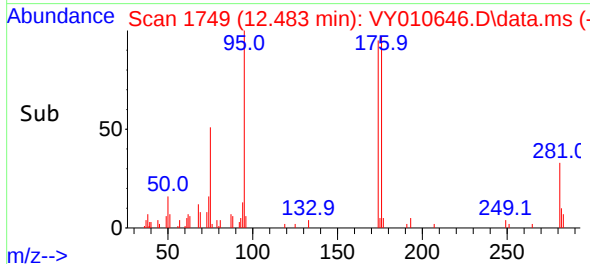
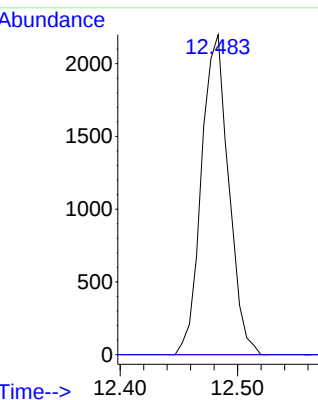
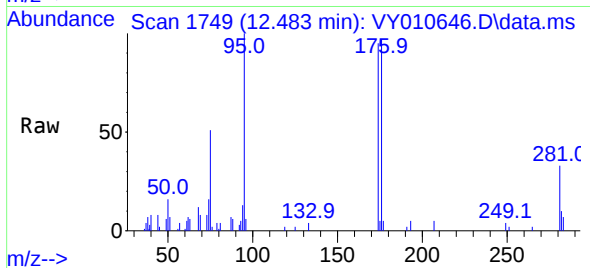




#76
1,2,3-Trichloropropane
Concen: 36.247 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

Instrument :
MSVOA_Y
ClientSampleId :
SB-06-6.5-7.0

Tgt Ion: 75 Resp: 3536
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 80.593 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY010646.D
Acq: 23 Sep 2022 14:12

Tgt Ion: 75 Resp: 3536
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

