

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010626.D
 Acq On : 22 Sep 2022 16:39
 Operator : KP/MD
 Sample : N4723-15
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-27-6.5-7.0

Quant Time: Sep 23 09:04:13 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)

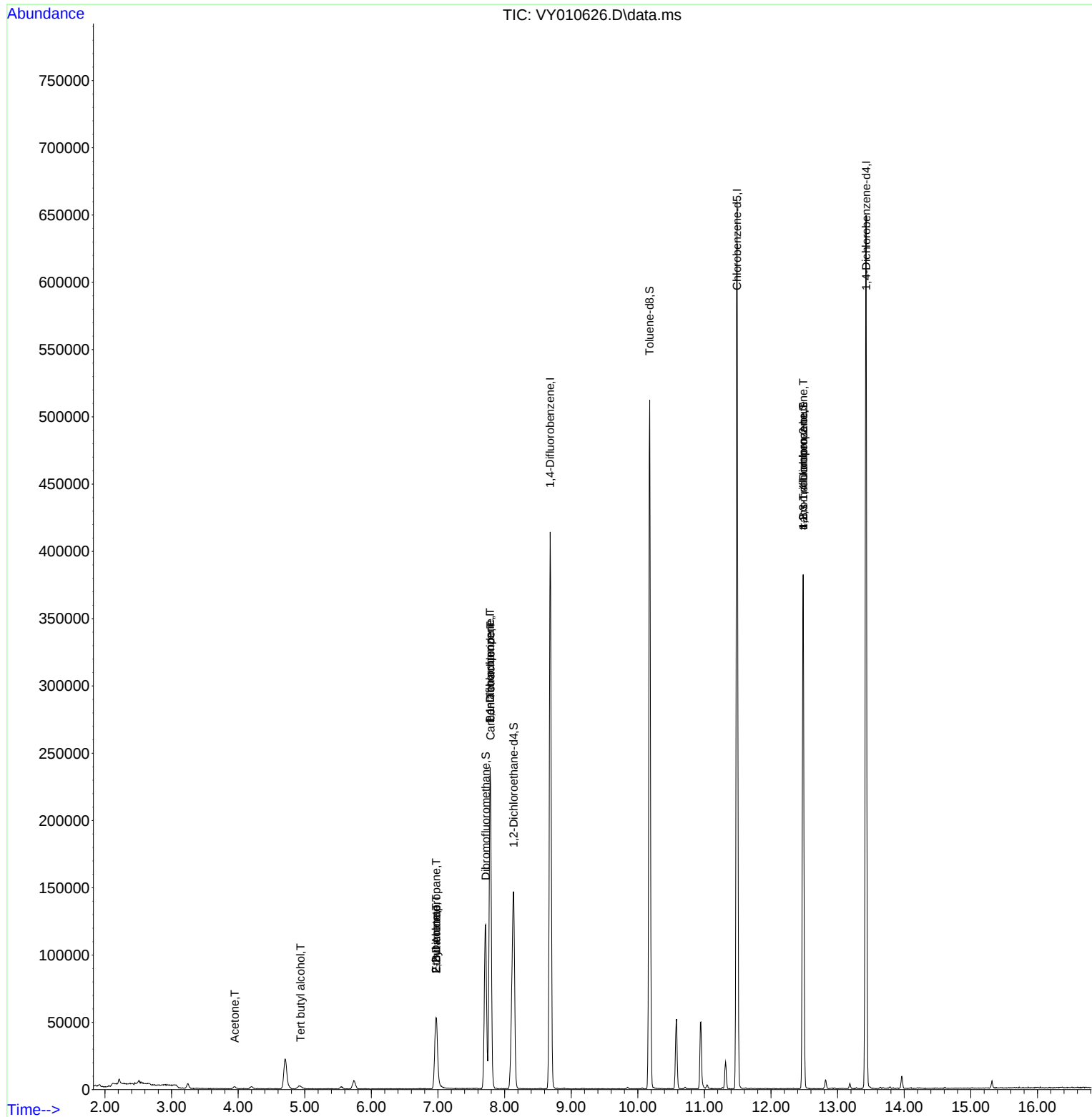
Internal Standards						
1) Pentafluorobenzene	7.783	168	186709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	356343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	361683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	93963	52.616	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.240%	
35) Dibromofluoromethane	7.716	113	87398	38.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 76.860%	
50) Toluene-d8	10.179	98	333825	40.360	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 80.720%	
62) 4-Bromofluorobenzene	12.483	95	109079	34.111	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 68.220%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	725	Below Cal		84
3) Chloromethane	2.113	50	436	Below Cal		92
4) Vinyl Chloride	2.192	62	21	Below Cal	#	43
5) Bromomethane	2.656	94	157	Below Cal	#	12
11) Tert butyl alcohol	4.936	59	2871	7.120	ug/l #	77
16) Acetone	3.948	43	2932	8.051	ug/l #	85
17) Carbon Disulfide	4.198	76	181	Below Cal	#	75
18) Methyl Acetate	4.485	43	522	Below Cal	#	63
20) Methylene Chloride	4.710	84	17187	Below Cal		86
25) 2-Butanone	6.972	43	2926	5.137	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	4354	1.608	ug/l #	55
31) Cyclohexane	7.789	56	3669	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	14618	5.769	ug/l #	51
37) Ethyl Acetate	6.972	43	2926	1.999	ug/l #	1
38) Carbon Tetrachloride	7.789	117	18391	6.312	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	57282	36.327	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57282	80.771	ug/l #	7

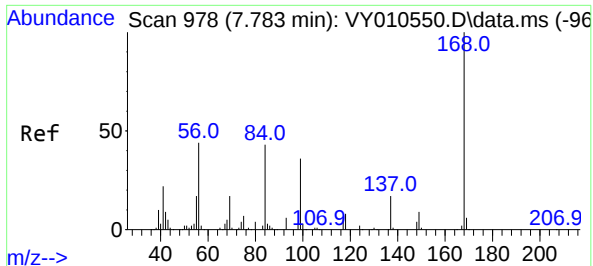
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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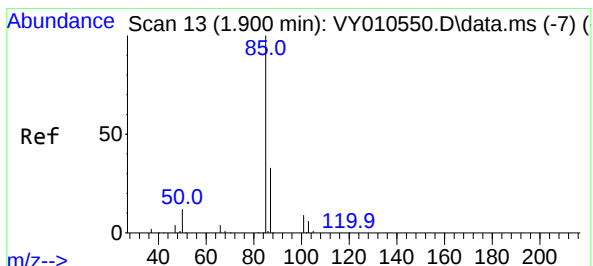
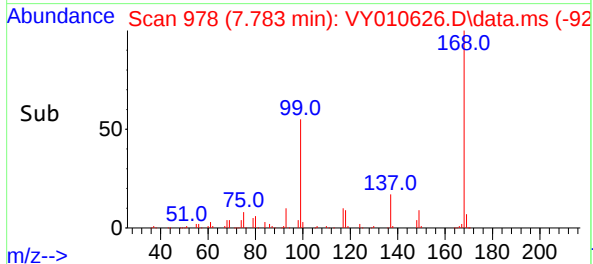
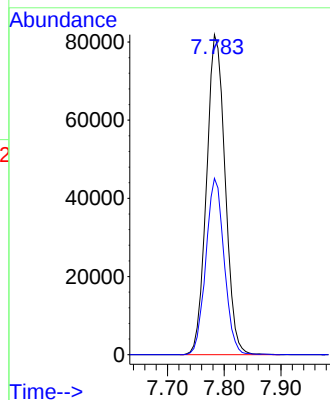
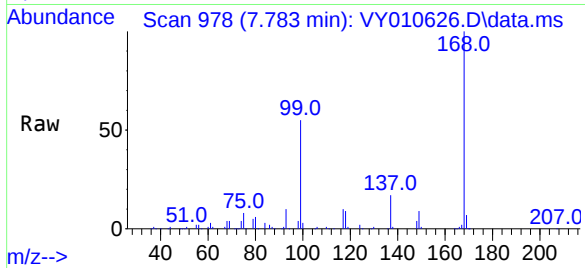




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

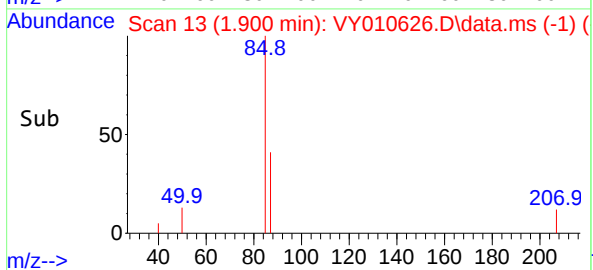
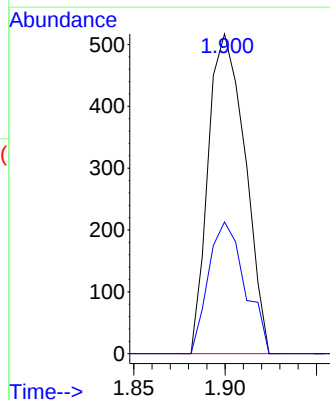
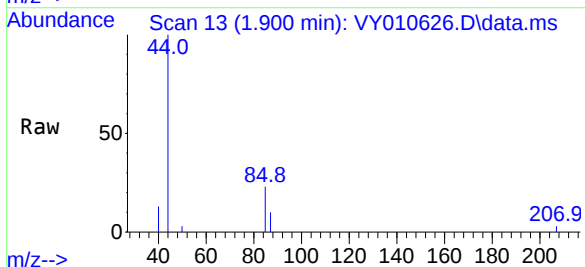
Instrument :
MSVOA_Y
ClientSampleId :
SB-27-6.5-7.0

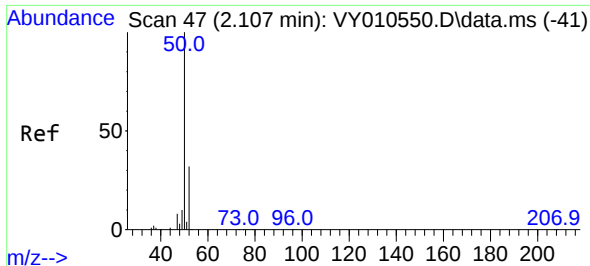
Tgt Ion:168 Resp: 186709
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

Tgt Ion: 85 Resp: 725
Ion Ratio Lower Upper
85 100
87 41.2 16.1 48.2

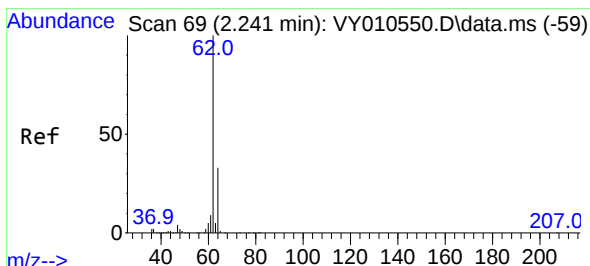
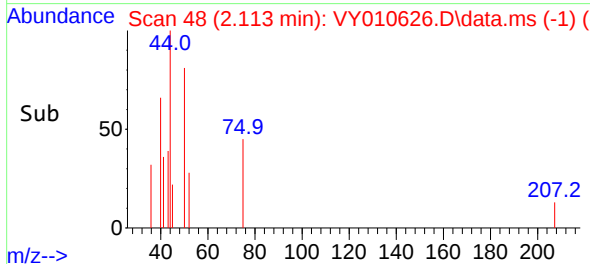
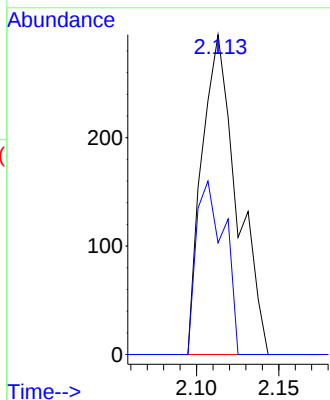
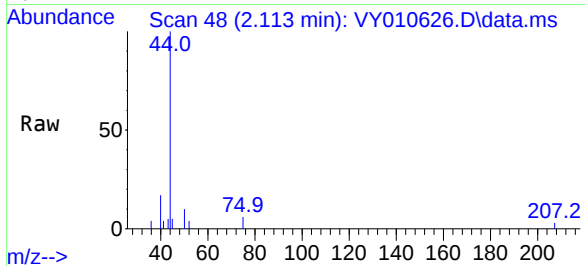




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

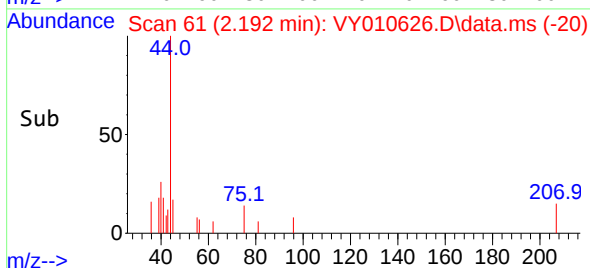
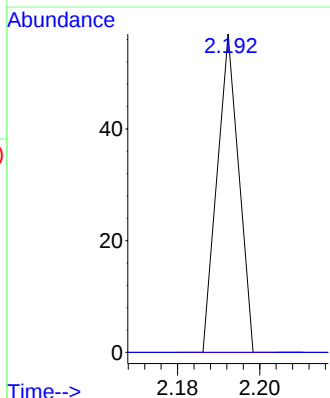
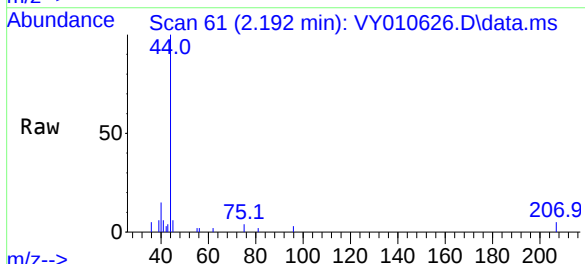
Instrument :
MSVOA_Y
ClientSampleId :
SB-27-6.5-7.0

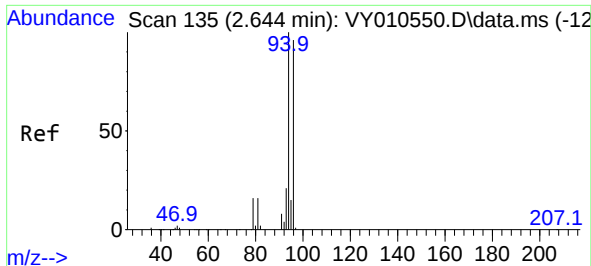
Tgt Ion: 50 Resp: 436
Ion Ratio Lower Upper
50 100
52 34.9 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.192 min Scan# 61
Delta R.T. -0.049 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

Tgt Ion: 62 Resp: 21
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

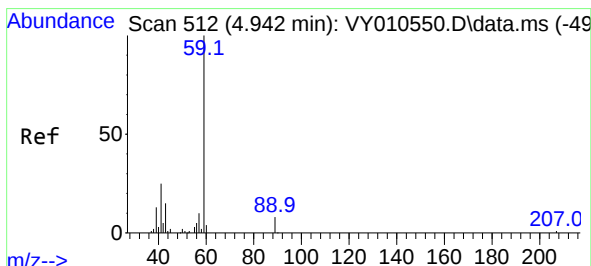
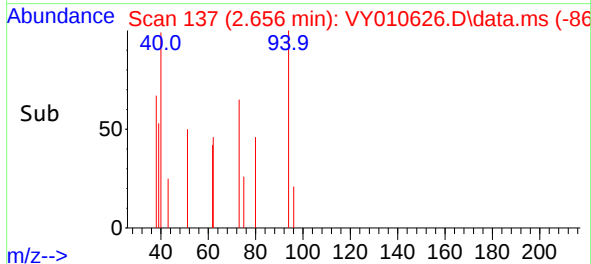
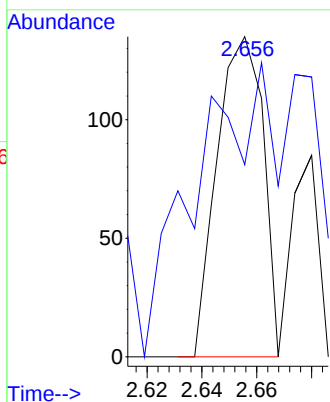
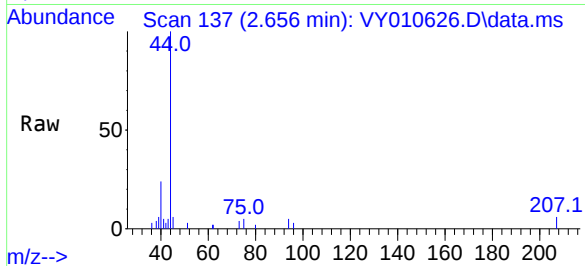




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

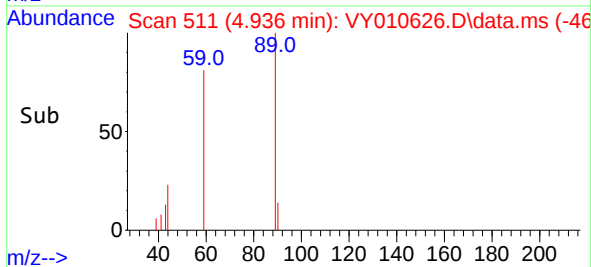
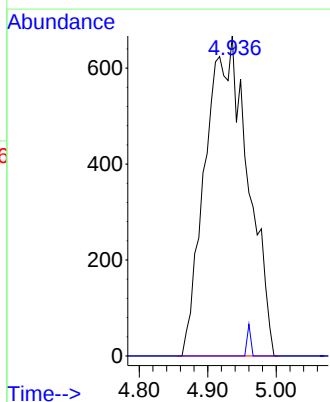
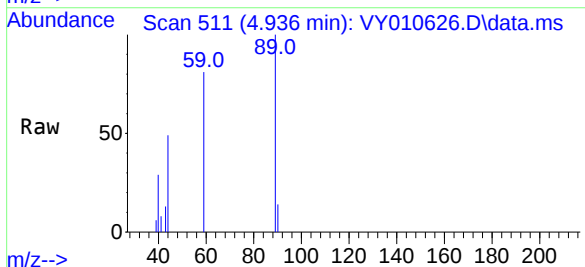
Instrument :
MSVOA_Y
ClientSampleId :
SB-27-6.5-7.0

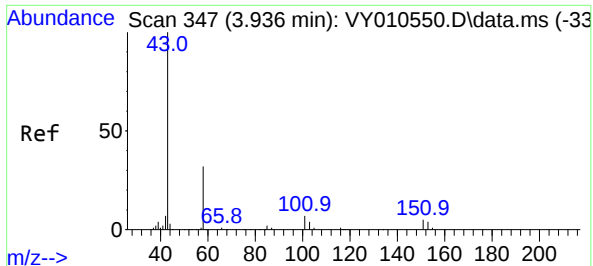
Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 8.1 73.5 110.3#



#11
Tert butyl alcohol
Concen: 7.120 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

Tgt Ion: 59 Resp: 2871
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

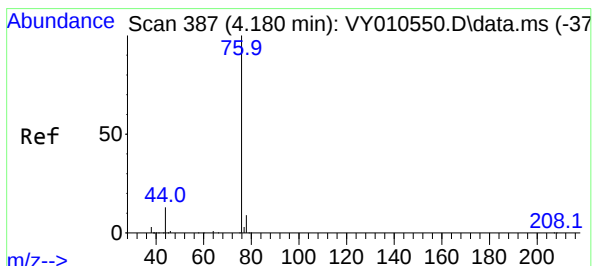
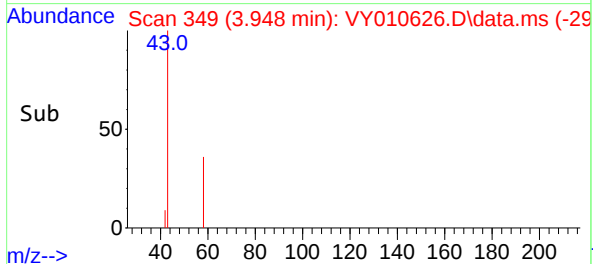
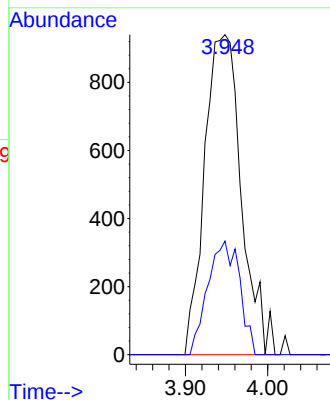
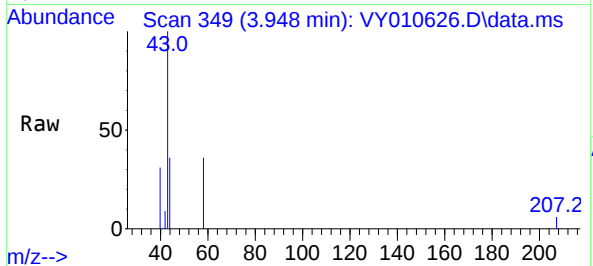




#16
Acetone
Concen: 8.051 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

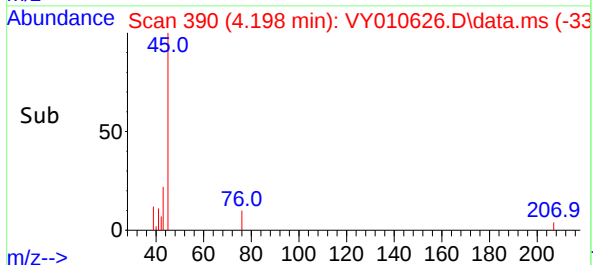
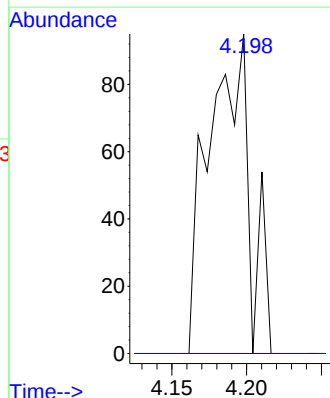
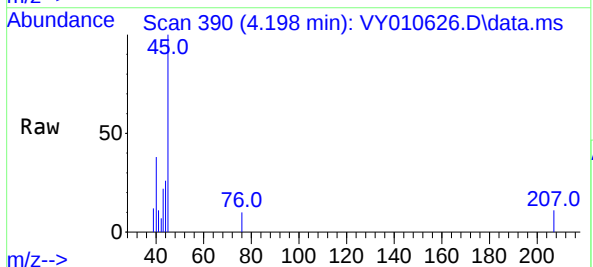
Instrument :
MSVOA_Y
ClientSampleId :
SB-27-6.5-7.0

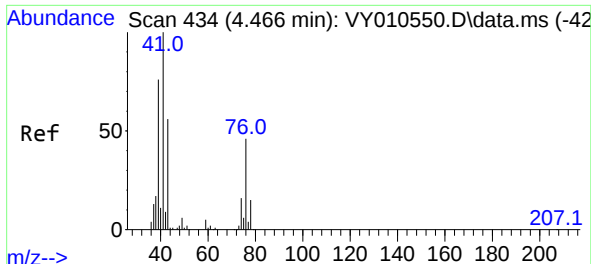
Tgt Ion: 43 Resp: 2932
Ion Ratio Lower Upper
43 100
58 35.5 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.018 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

Tgt Ion: 76 Resp: 181
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

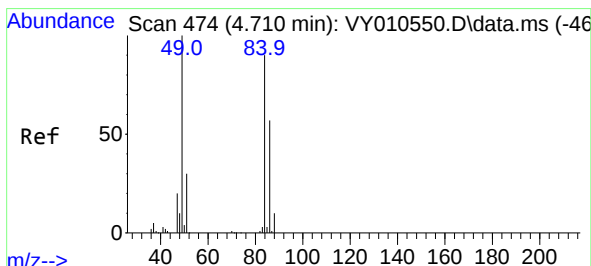
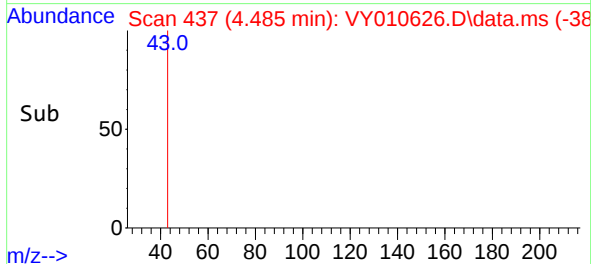
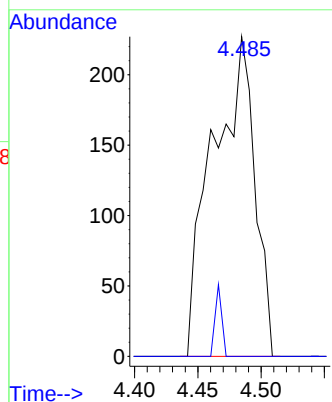
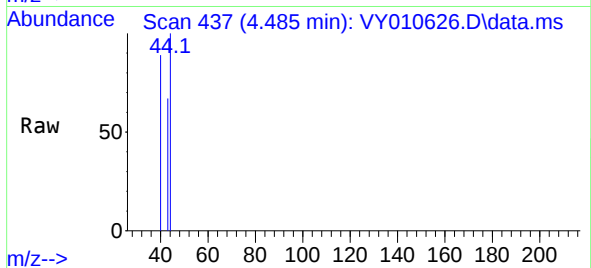




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

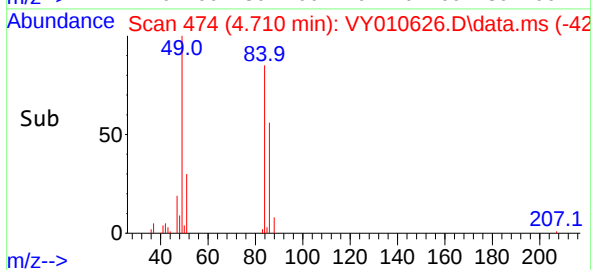
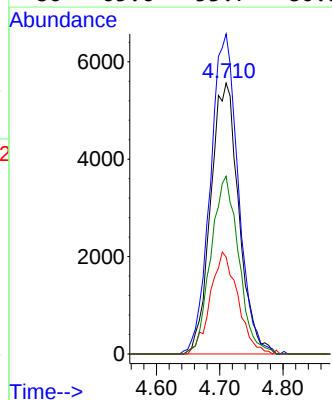
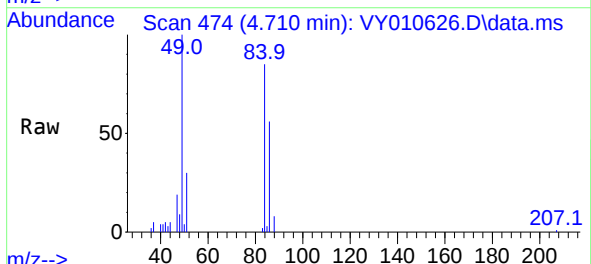
Instrument :
MSVOA_Y
ClientSampleId :
SB-27-6.5-7.0

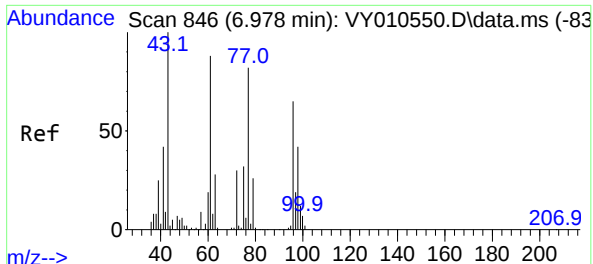
Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
74 3.6 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

Tgt Ion: 84 Resp: 17187
Ion Ratio Lower Upper
84 100
49 118.1 114.4 171.6
51 35.8 35.3 52.9
86 65.6 53.7 80.5





#25

2-Butanone

Concen: 5.137 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010626.D

Acq: 22 Sep 2022 16:39

Instrument :

MSVOA_Y

ClientSampleId :

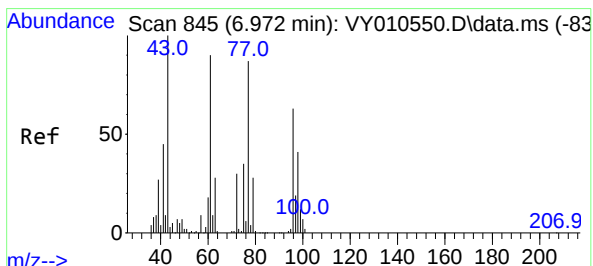
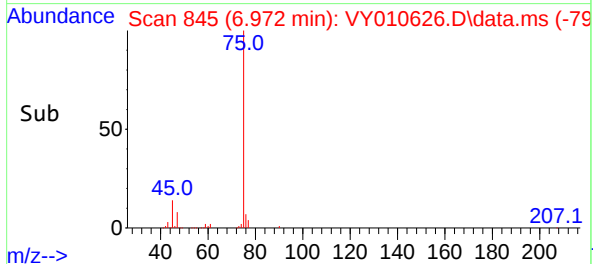
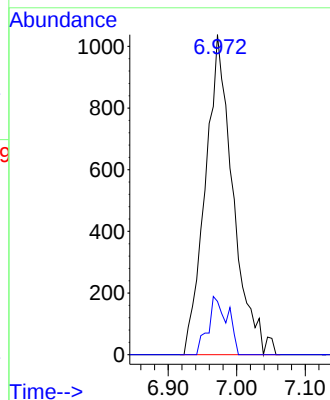
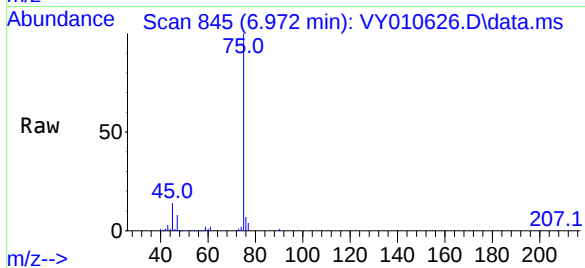
SB-27-6.5-7.0

Tgt Ion: 43 Resp: 2926

Ion Ratio Lower Upper

43 100

72 16.7 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.608 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY010626.D

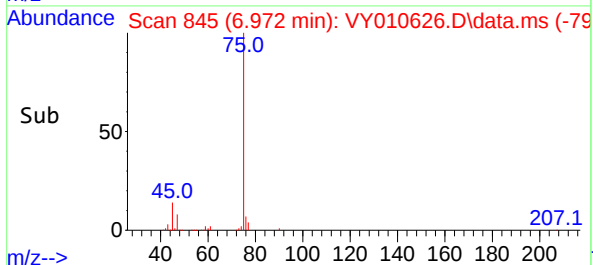
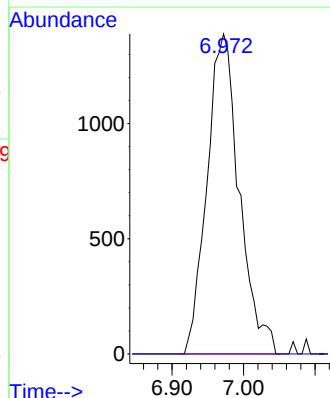
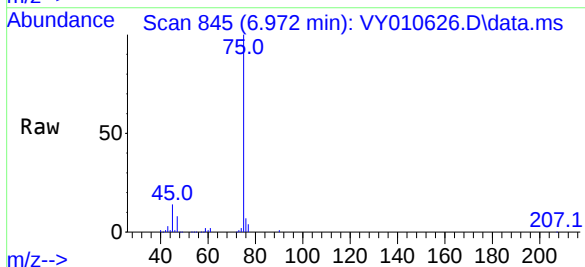
Acq: 22 Sep 2022 16:39

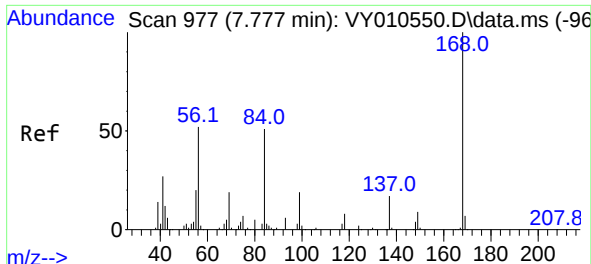
Tgt Ion: 77 Resp: 4354

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

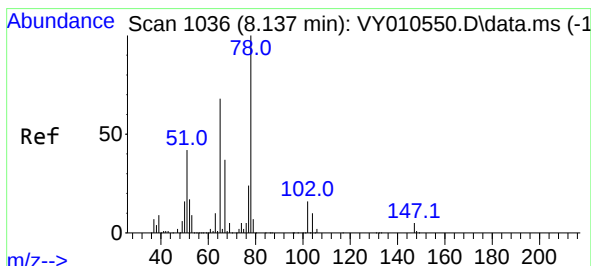
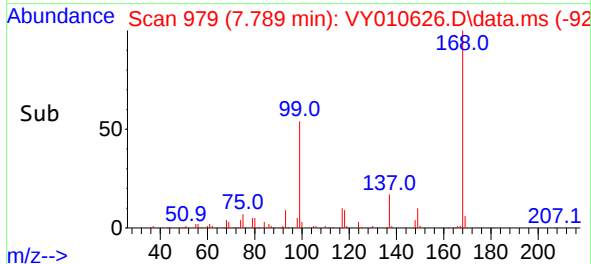
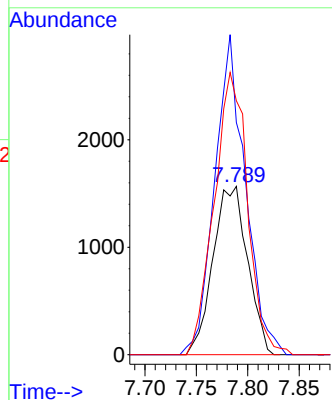
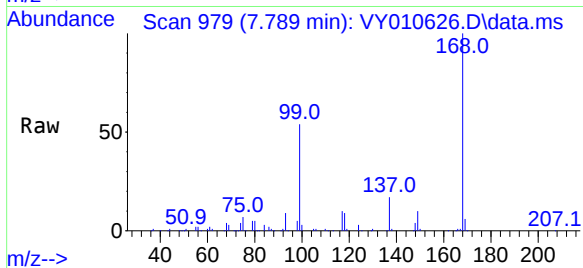




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

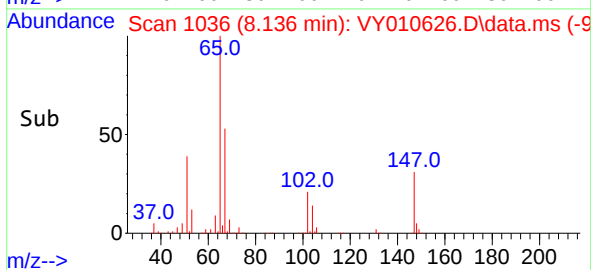
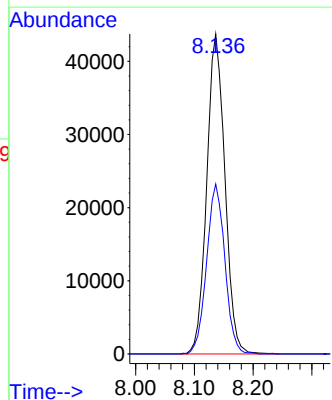
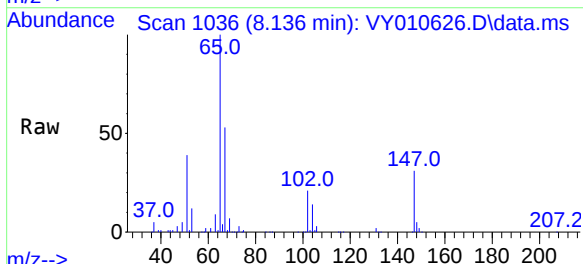
Instrument :
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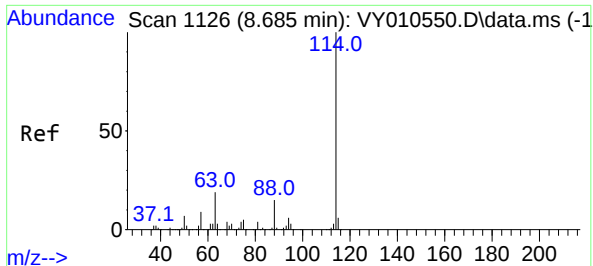
Tgt Ion: 56 Resp: 3669
Ion Ratio Lower Upper
56 100
69 137.9 26.7 40.1#
84 150.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.616 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

Tgt Ion: 65 Resp: 93963
Ion Ratio Lower Upper
65 100
67 53.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010626.D

Acq: 22 Sep 2022 16:39

Instrument :

MSVOA_Y

ClientSampleId :

SB-27-6.5-7.0

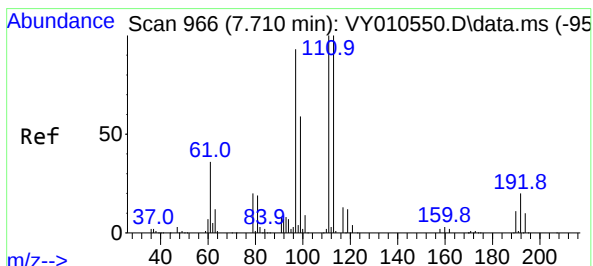
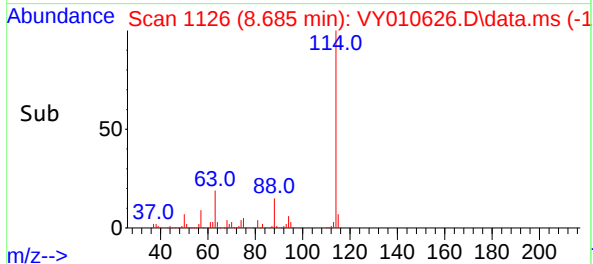
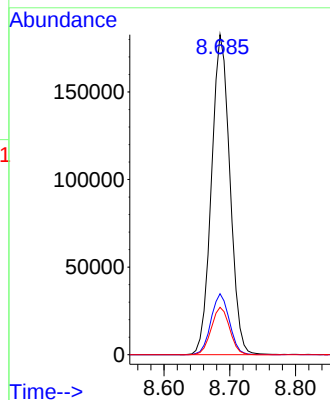
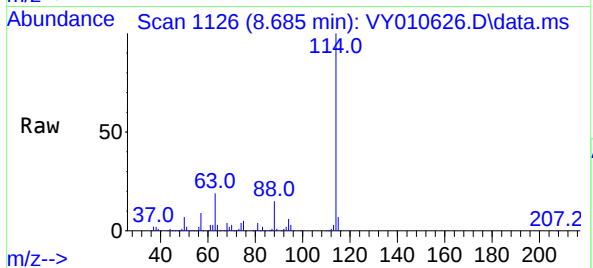
Tgt Ion:114 Resp: 356343

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 38.430 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010626.D

Acq: 22 Sep 2022 16:39

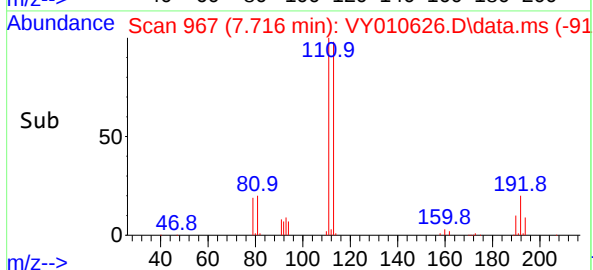
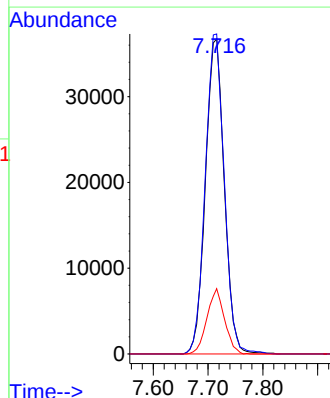
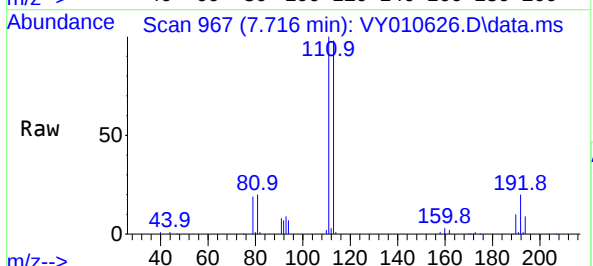
Tgt Ion:113 Resp: 87398

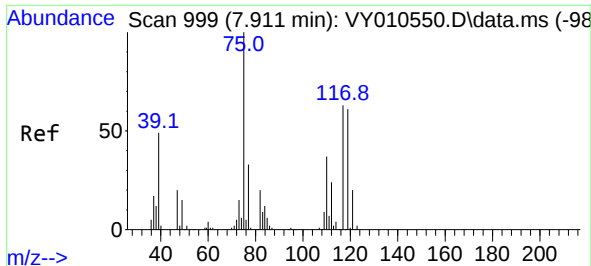
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 19.3 17.6 26.4

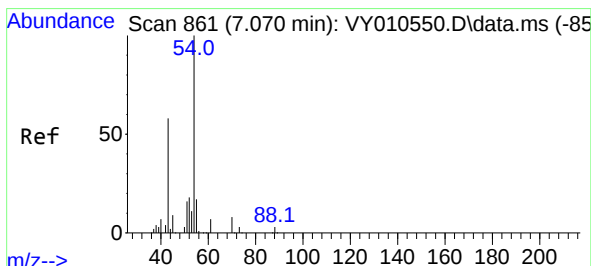
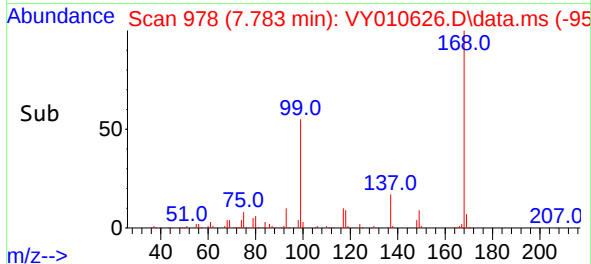
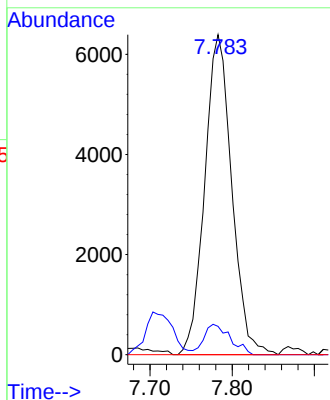
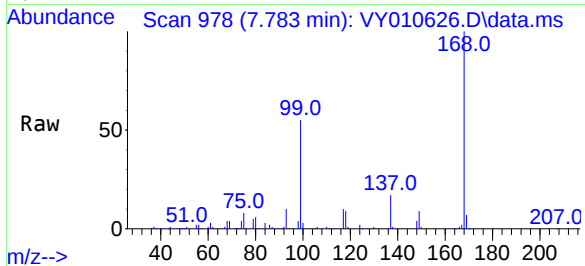




#36
1,1-Dichloropropene
Concen: 5.769 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

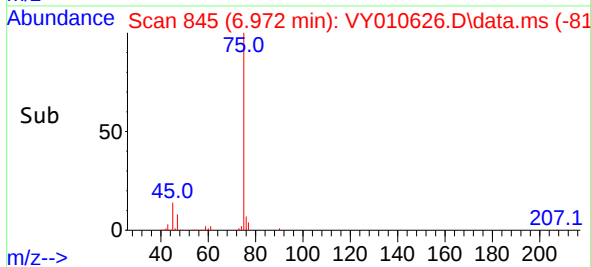
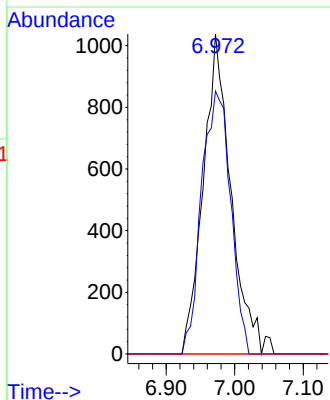
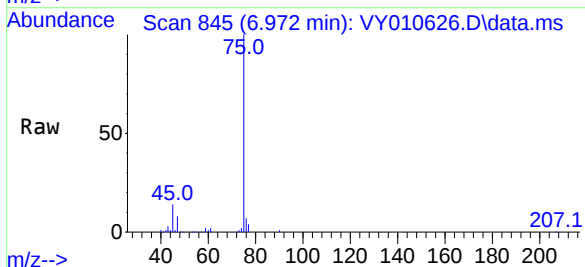
Instrument :
MSVOA_Y
ClientSampleId :
SB-27-6.5-7.0

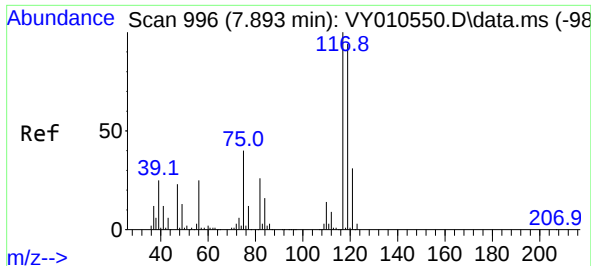
Tgt Ion: 75 Resp: 14618
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.999 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

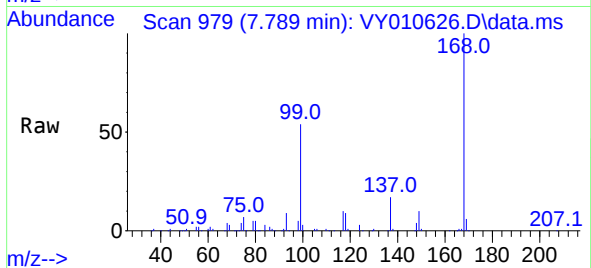
Tgt Ion: 43 Resp: 2926
Ion Ratio Lower Upper
43 100
61 85.5 9.7 14.5#
70 0.0 7.1 10.7#



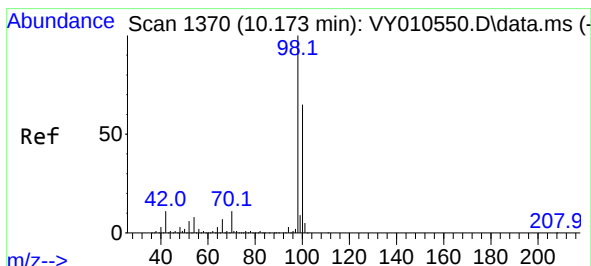
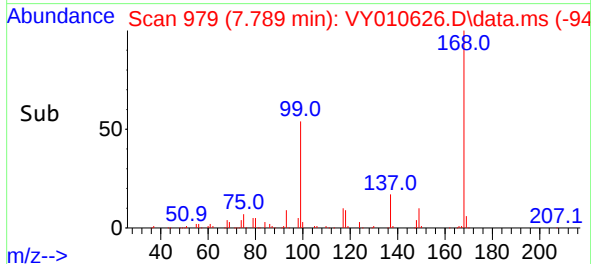
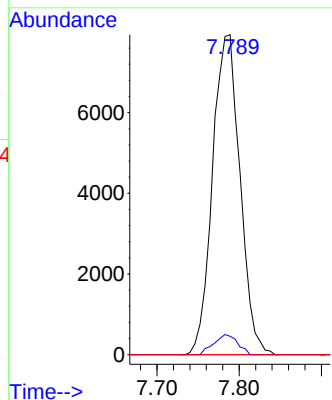


#38
Carbon Tetrachloride
Concen: 6.312 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

Instrument :
MSVOA_Y
ClientSampleId :
SB-27-6.5-7.0

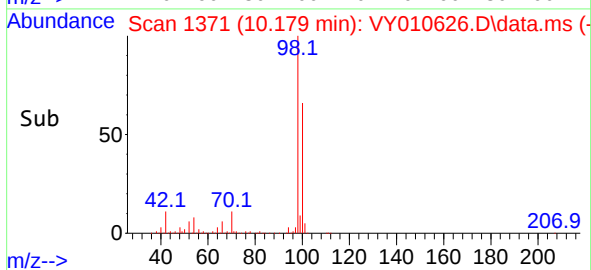
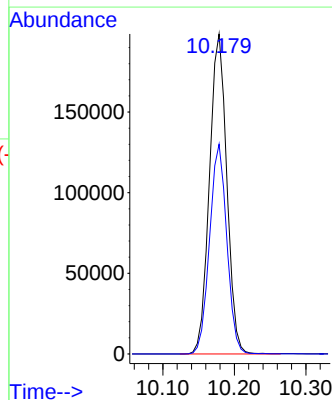
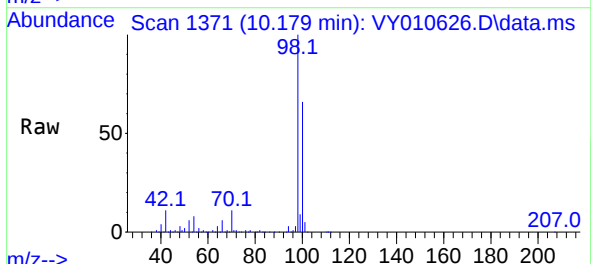


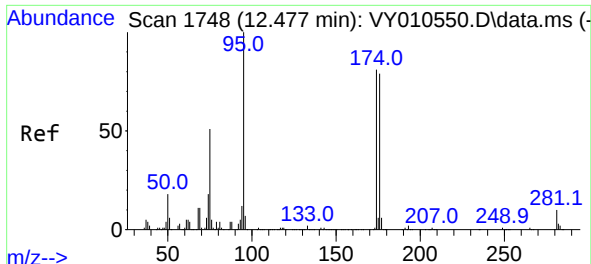
Tgt Ion:117 Resp: 18391
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 40.360 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

Tgt Ion: 98 Resp: 333825
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

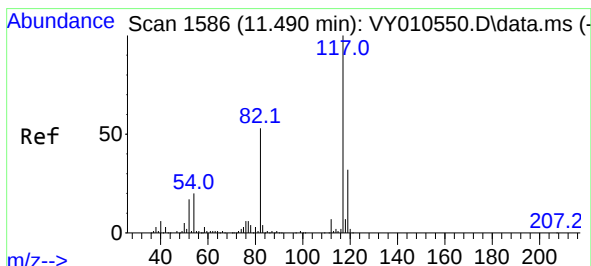
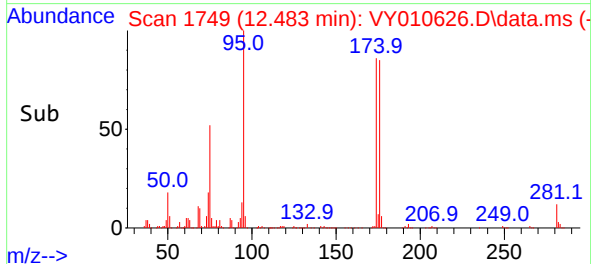
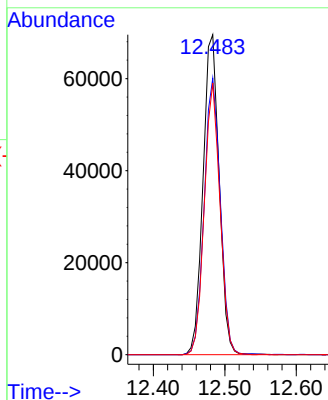
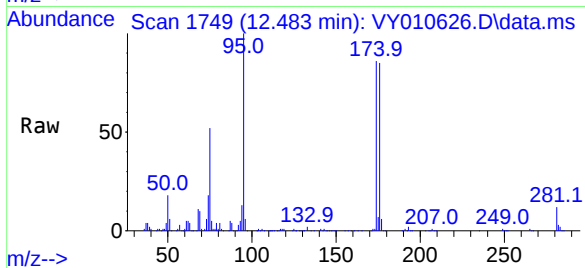




#62
4-Bromofluorobenzene
Concen: 34.111 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

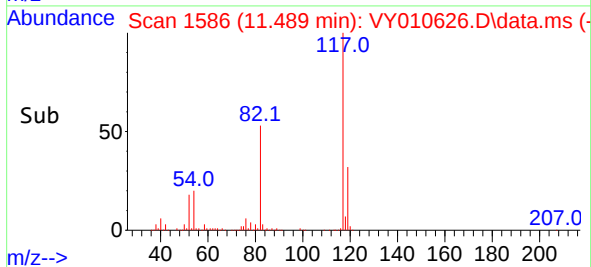
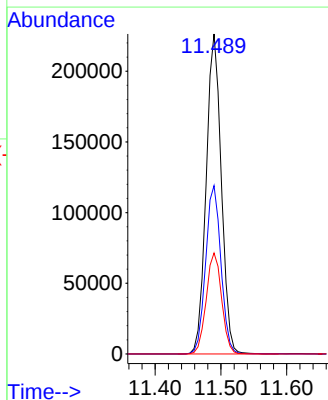
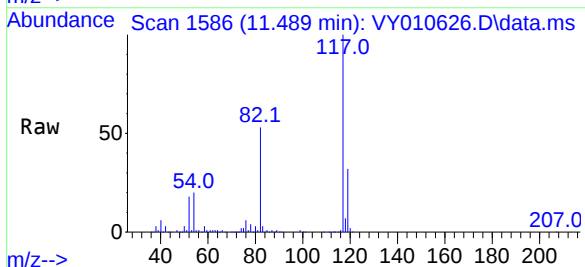
Instrument :
MSVOA_Y
ClientSampleId :
SB-27-6.5-7.0

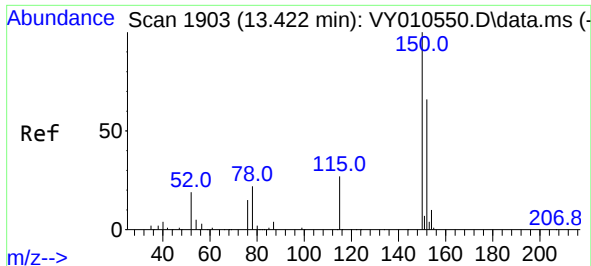
Tgt Ion: 95 Resp: 109079
Ion Ratio Lower Upper
95 100
174 86.4 0.0 177.0
176 82.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

Tgt Ion: 117 Resp: 361683
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.4
119 31.6 25.4 38.0

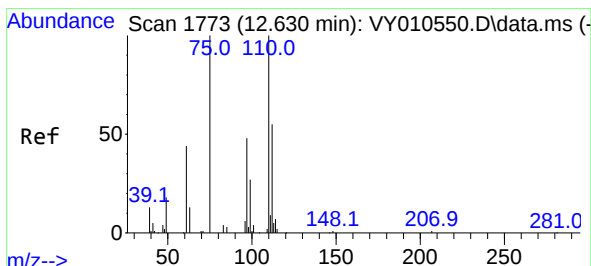
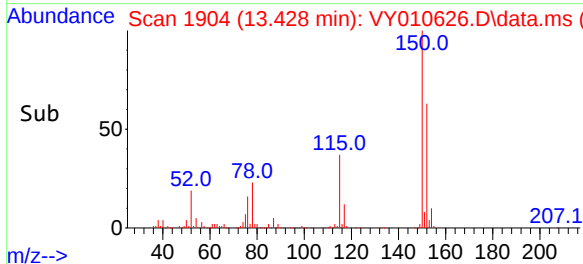
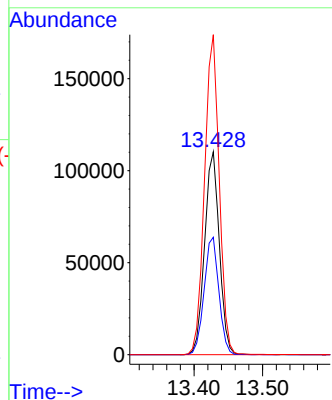
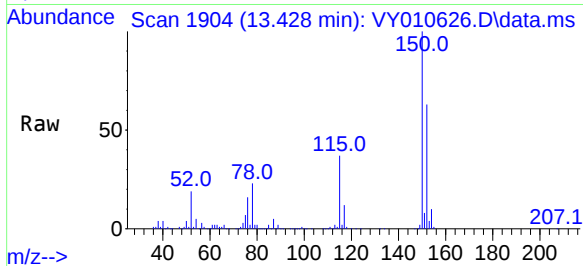




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

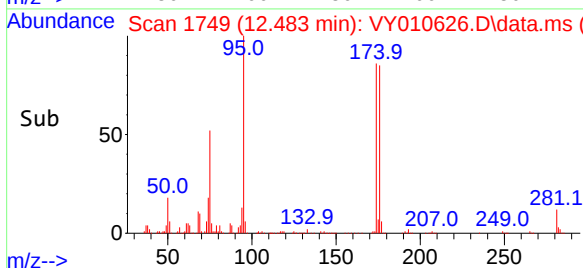
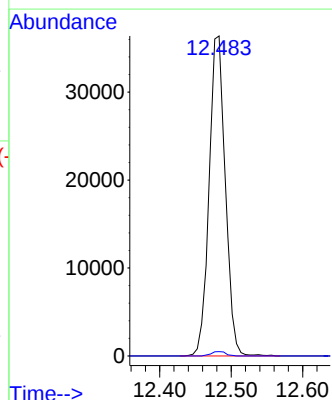
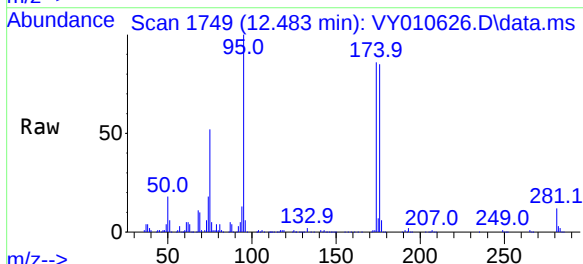
Instrument :
MSVOA_Y
ClientSampleId :
SB-27-6.5-7.0

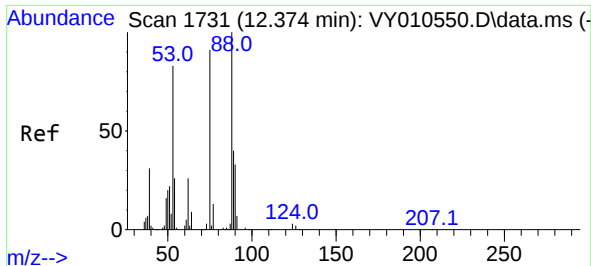
Tgt Ion:152 Resp: 165212
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.7
150 157.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 36.327 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010626.D
Acq: 22 Sep 2022 16:39

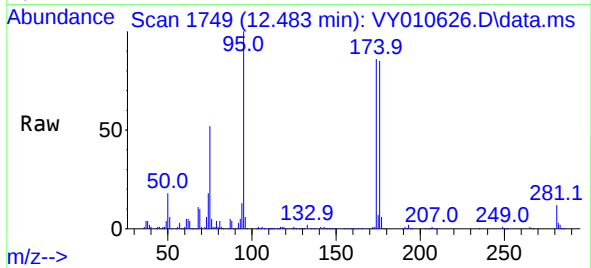
Tgt Ion: 75 Resp: 57282
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.771 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY010626.D
 Acq: 22 Sep 2022 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-27-6.5-7.0



Tgt Ion: 75 Resp: 57282
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.2 37.0 55.4#

