

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010639.D
 Acq On : 23 Sep 2022 11:06
 Operator : KP/MD
 Sample : VY0923SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBL01

Quant Time: Sep 24 01:19:40 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)

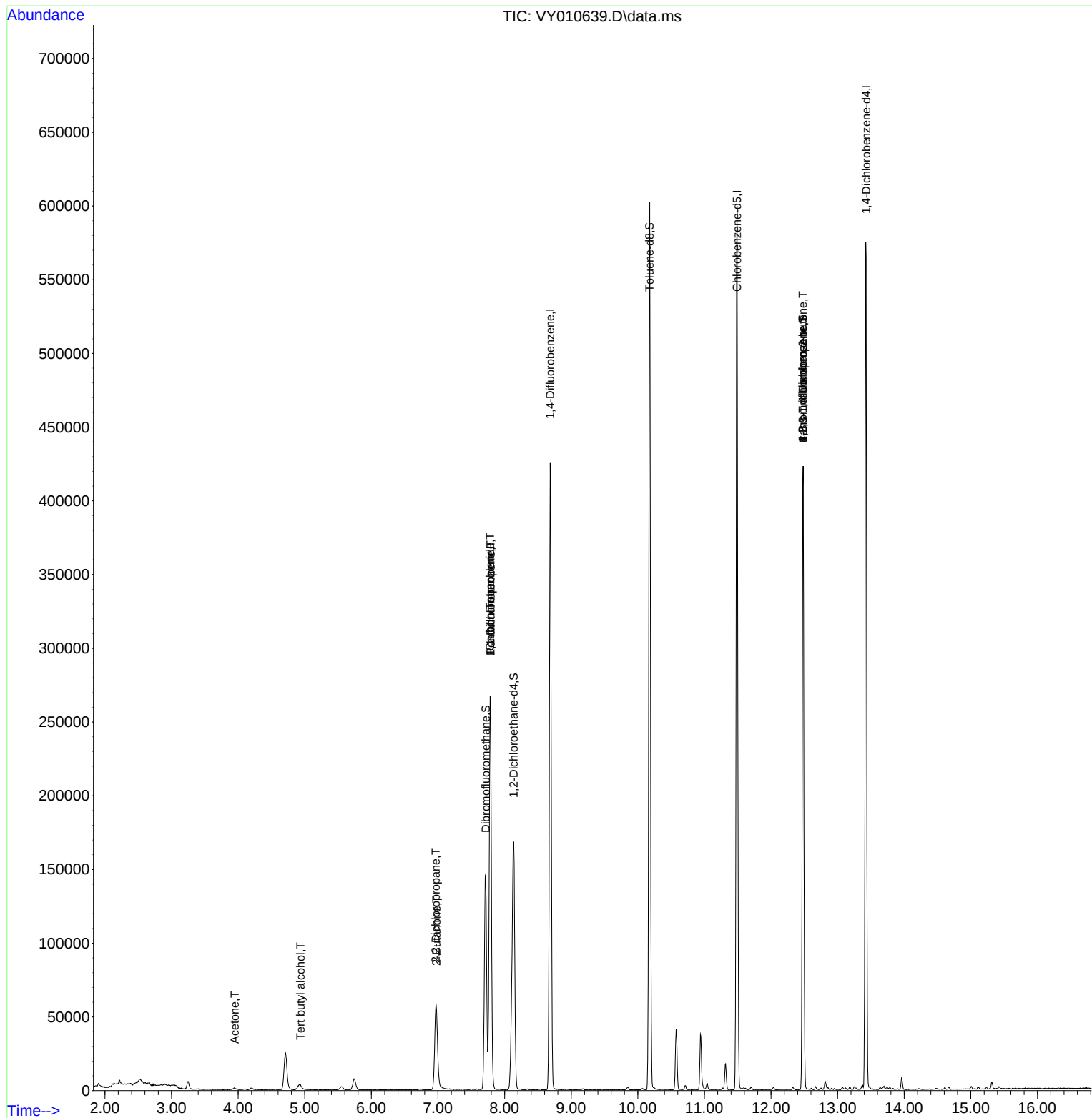
Internal Standards						
1) Pentafluorobenzene	7.789	168	209885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	357635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	324118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114080	56.827	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.660%	
35) Dibromofluoromethane	7.716	113	105019	46.012	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.020%	
50) Toluene-d8	10.179	98	394341	46.952	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.900%	
62) 4-Bromofluorobenzene	12.477	95	123344	38.794	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 77.580%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	1654	Below Cal		96
3) Chloromethane	2.119	50	479	Below Cal	#	86
4) Vinyl Chloride	2.241	62	26	Below Cal	#	43
5) Bromomethane	2.668	94	465	Below Cal	#	69
11) Tert butyl alcohol	4.936	59	4163	12.572	ug/l #	80
16) Acetone	3.948	43	1945	4.751	ug/l	96
17) Carbon Disulfide	4.192	76	203	Below Cal	#	75
18) Methyl Acetate	4.241	43	57	Below Cal	#	56
20) Methylene Chloride	4.710	84	19007	Below Cal		87
25) 2-Butanone	6.978	43	3290	5.138	ug/l #	81
26) 2,2-Dichloropropane	6.966	77	4456	1.464	ug/l #	55
31) Cyclohexane	7.783	56	4582	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	15933	6.265	ug/l #	51
38) Carbon Tetrachloride	7.783	117	21257	7.270	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	66428	46.705	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66428	103.845	ug/l #	7

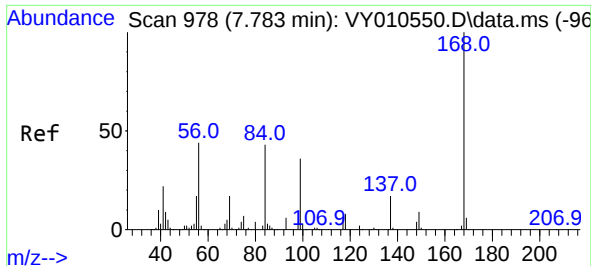
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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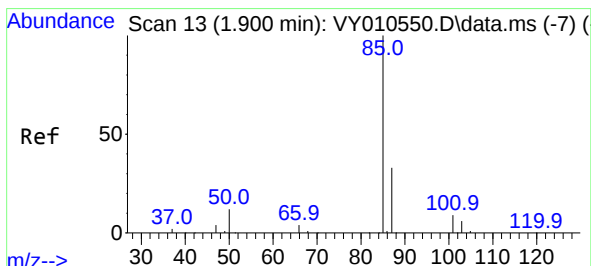
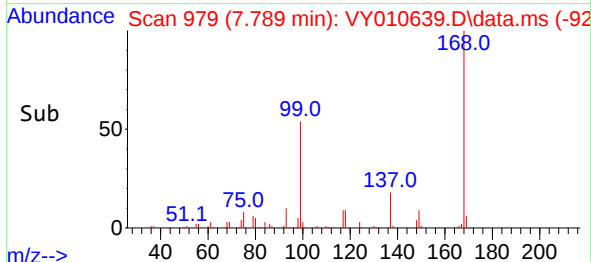
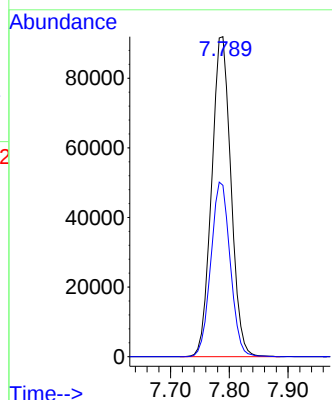
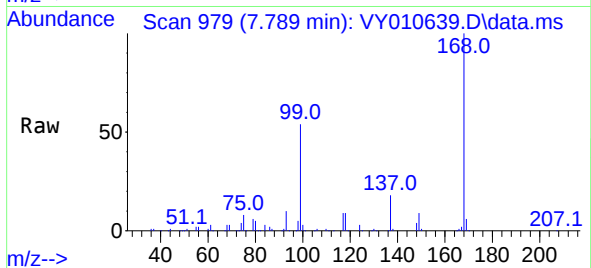




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

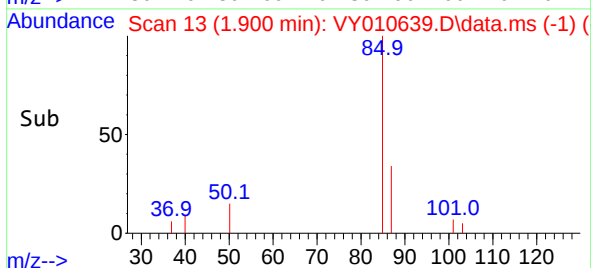
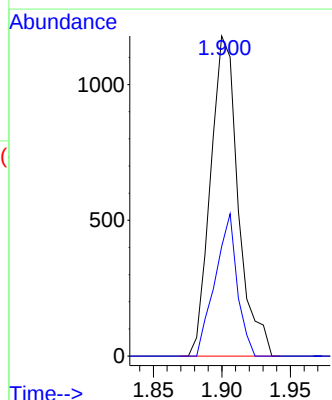
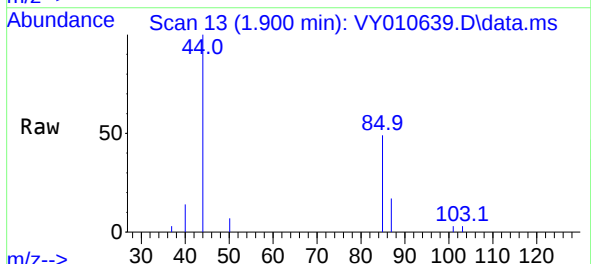
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBL01

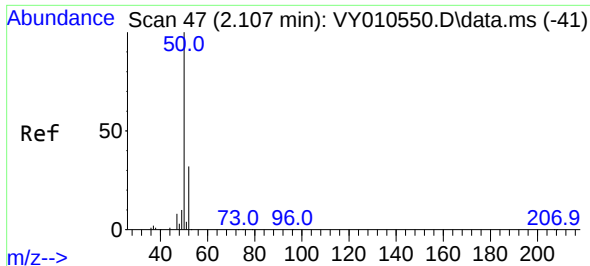
Tgt Ion:168 Resp: 209885
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

Tgt Ion: 85 Resp: 1654
Ion Ratio Lower Upper
85 100
87 34.2 16.1 48.2

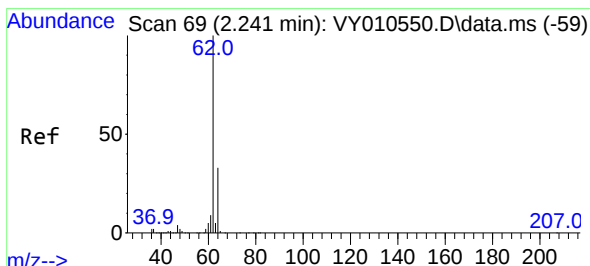
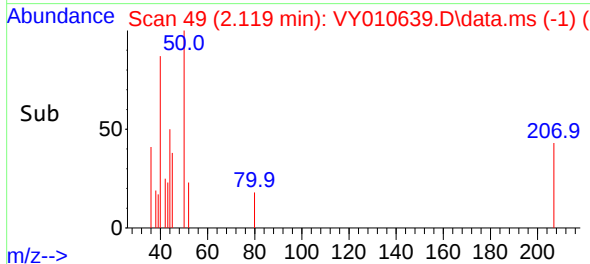
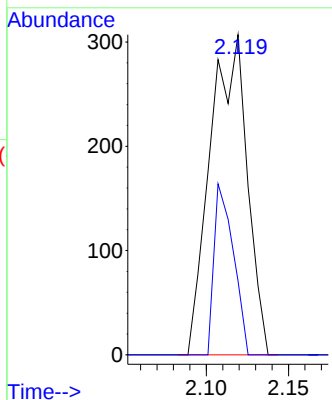
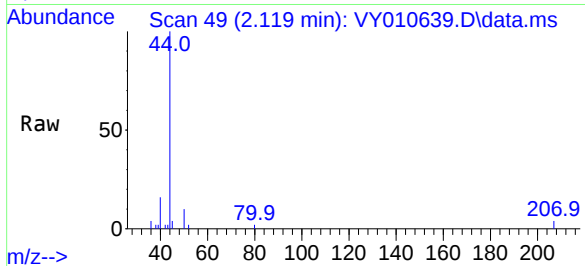




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

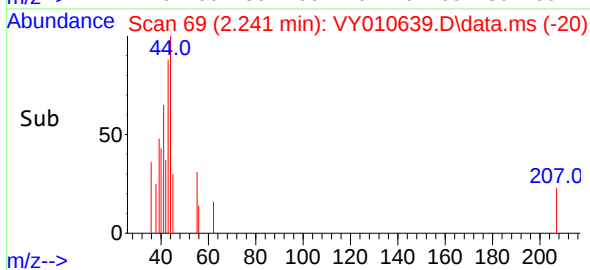
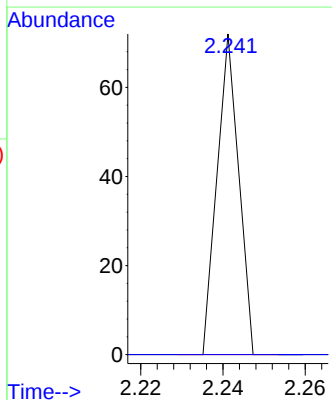
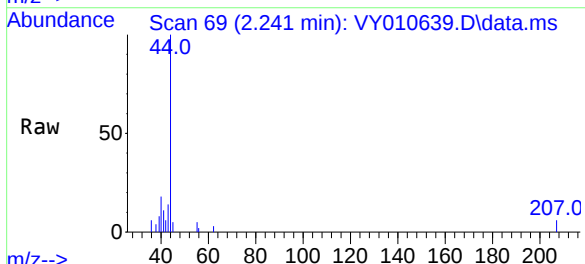
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBL01

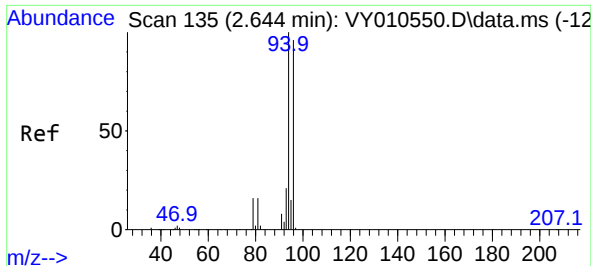
Tgt Ion: 50 Resp: 479
Ion Ratio Lower Upper
50 100
52 23.1 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

Tgt Ion: 62 Resp: 26
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

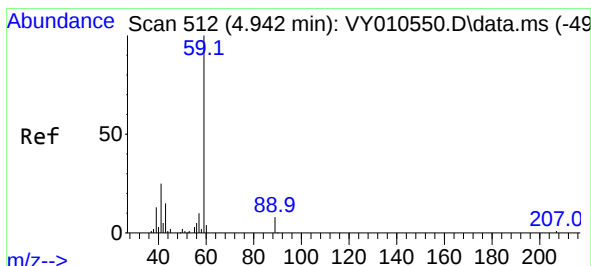
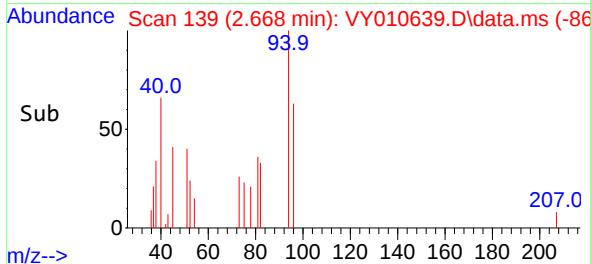
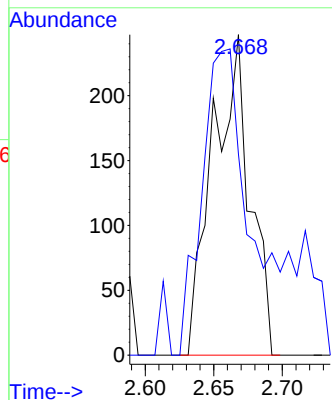
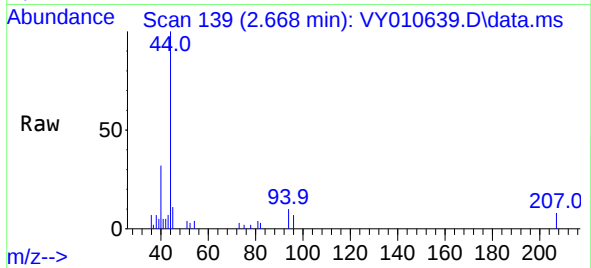




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

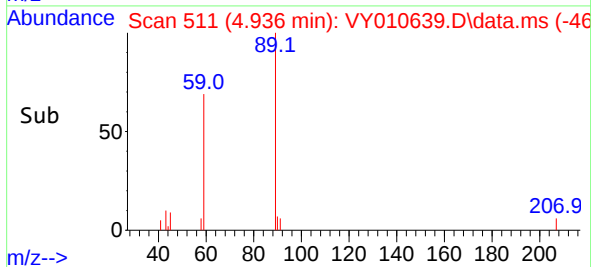
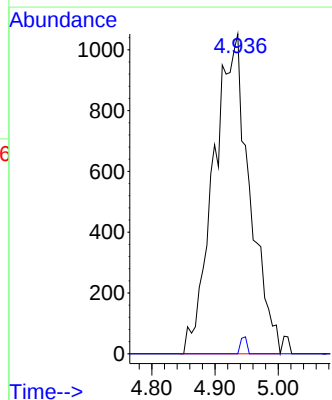
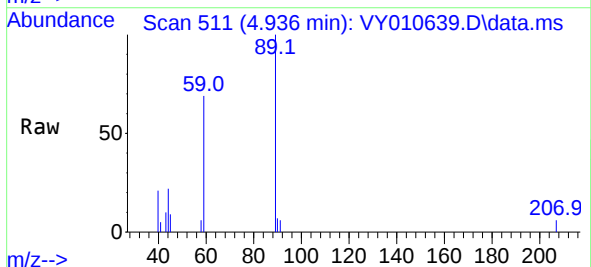
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBL01

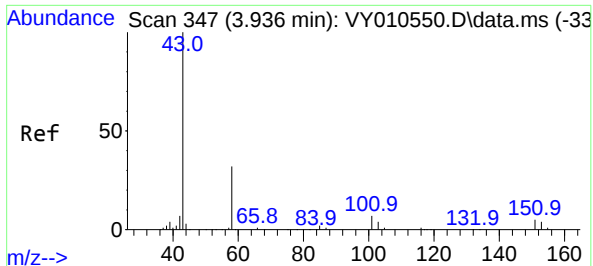
Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 62.8 73.5 110.3#



#11
Tert butyl alcohol
Concen: 12.572 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

Tgt Ion: 59 Resp: 4163
Ion Ratio Lower Upper
59 100
57 0.9 6.4 9.6#

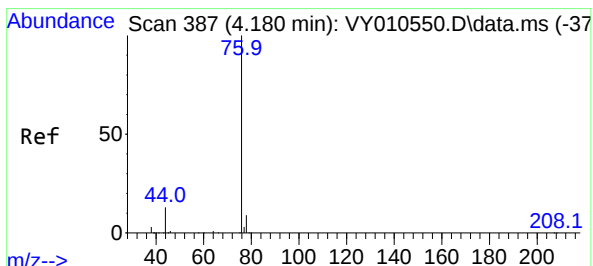
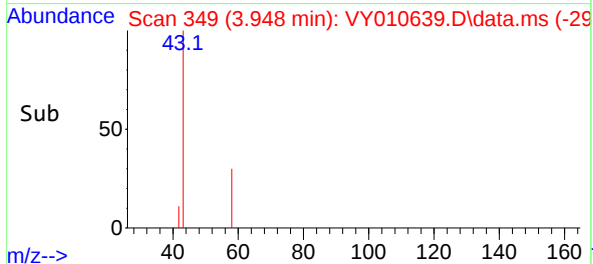
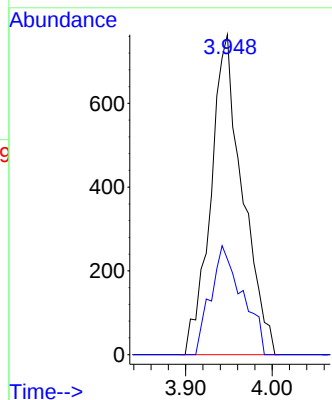
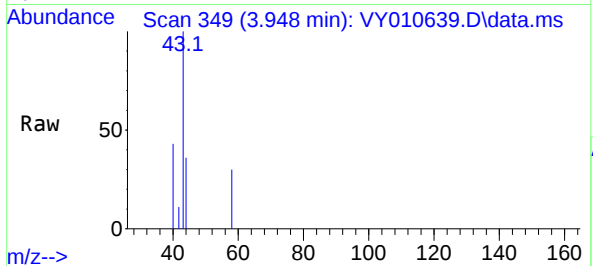




#16
Acetone
Concen: 4.751 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

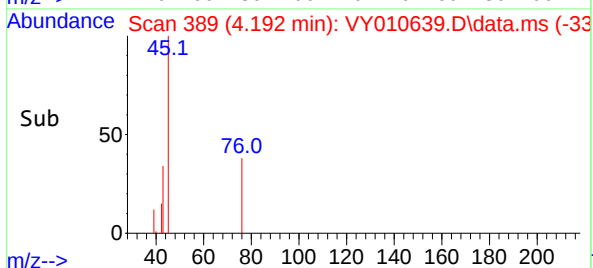
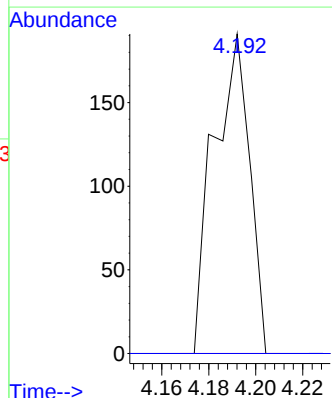
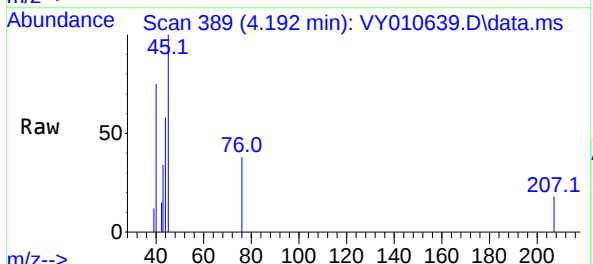
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBL01

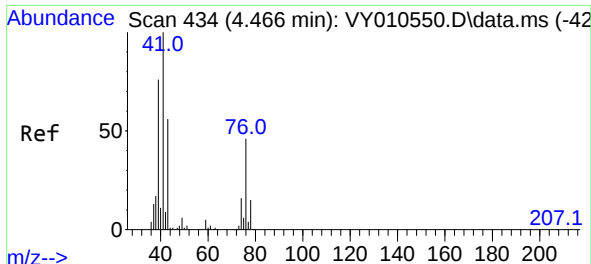
Tgt Ion: 43 Resp: 1945
Ion Ratio Lower Upper
43 100
58 29.8 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

Tgt Ion: 76 Resp: 203
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

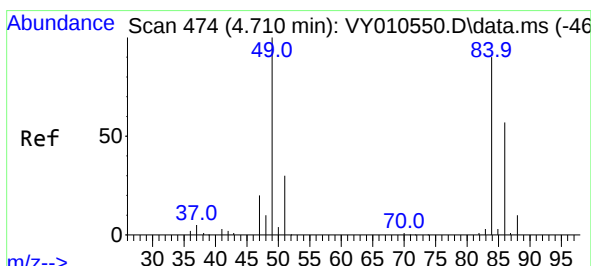
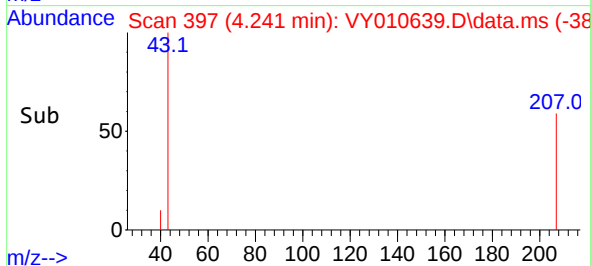
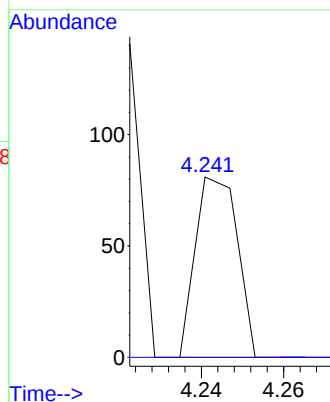
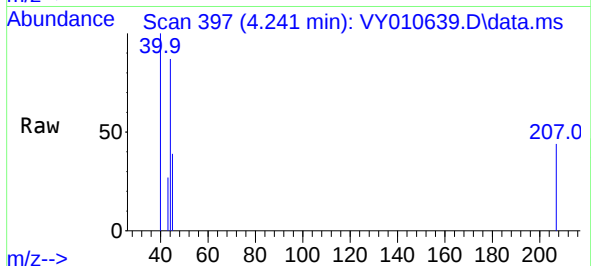




#18
Methyl Acetate
Concen: Below Cal
RT: 4.241 min Scan# 397
Delta R.T. -0.225 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

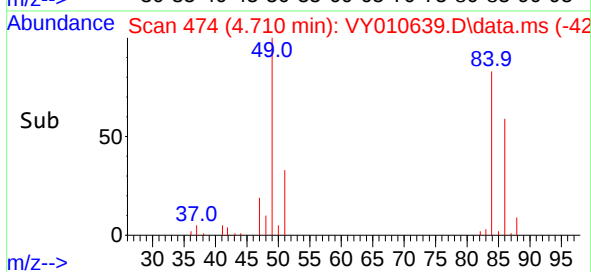
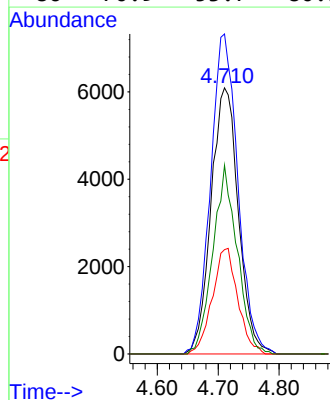
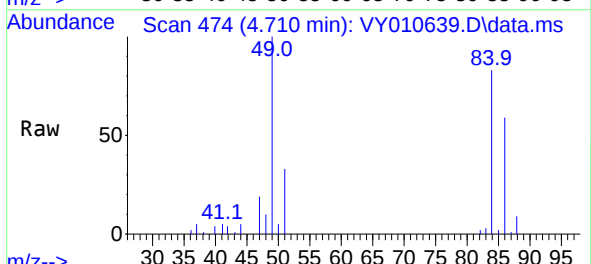
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBL01

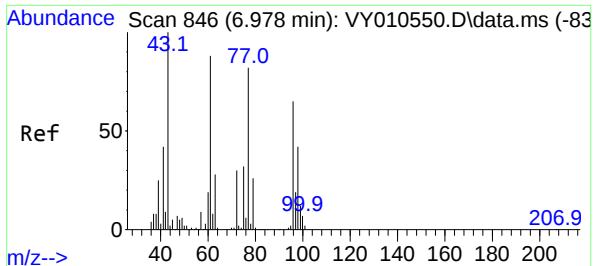
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

Tgt Ion: 84 Resp: 19007
Ion Ratio Lower Upper
84 100
49 120.2 114.4 171.6
51 39.2 35.3 52.9
86 70.9 53.7 80.5





#25

2-Butanone

Concen: 5.138 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010639.D

Acq: 23 Sep 2022 11:06

Instrument :

MSVOA_Y

ClientSampleId :

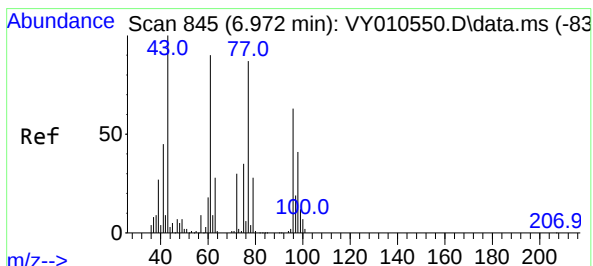
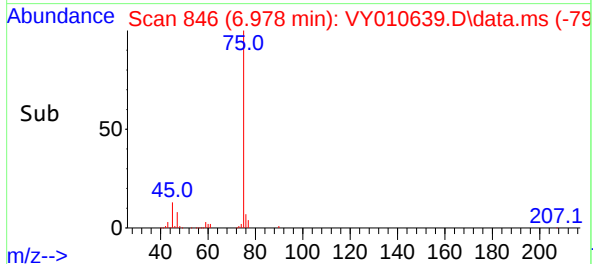
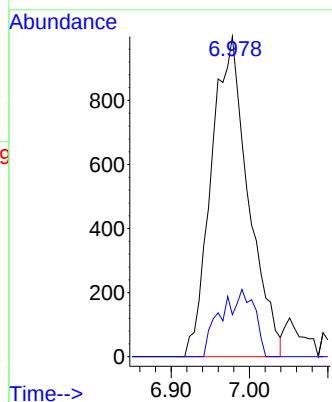
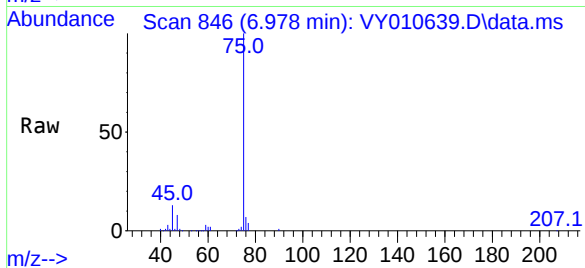
VY0923SBL01

Tgt Ion: 43 Resp: 3290

Ion Ratio Lower Upper

43 100

72 13.1 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.464 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010639.D

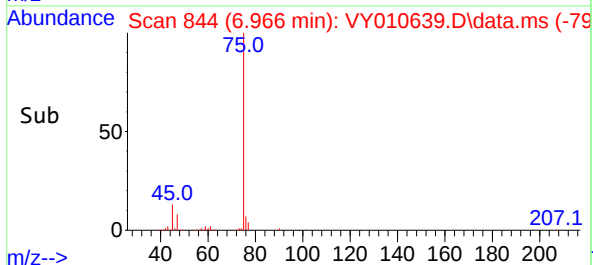
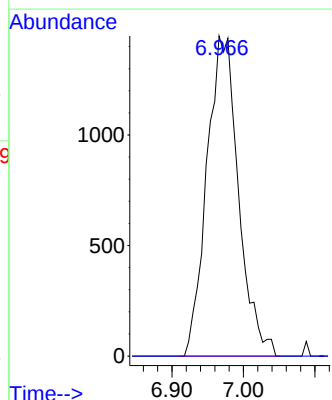
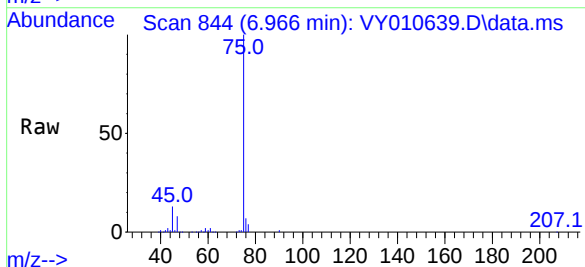
Acq: 23 Sep 2022 11:06

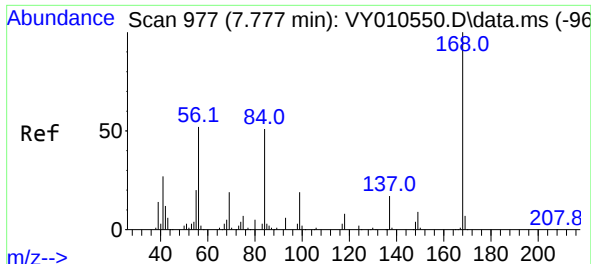
Tgt Ion: 77 Resp: 4456

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

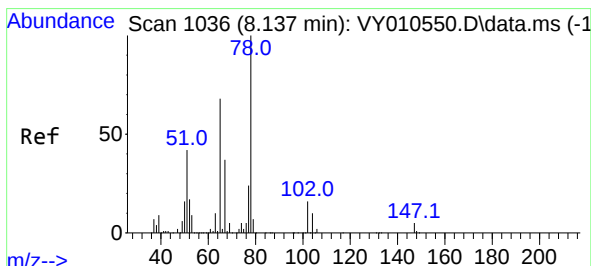
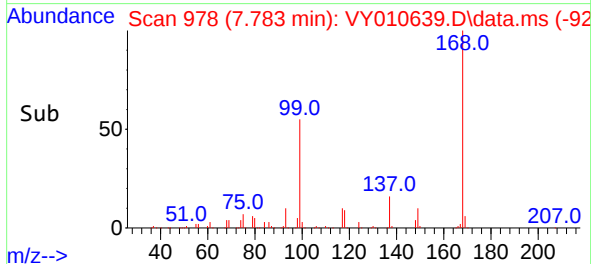
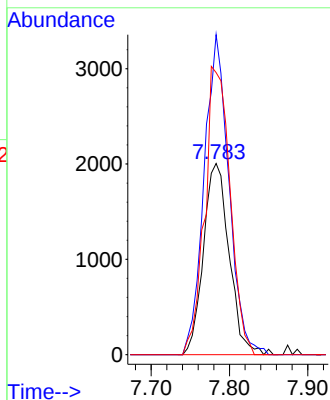
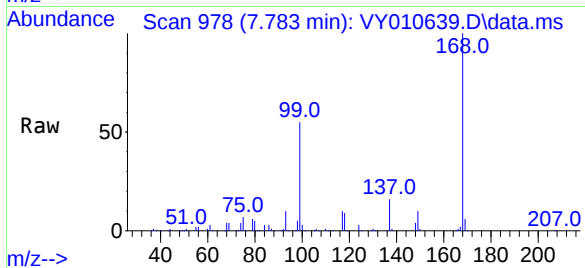




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

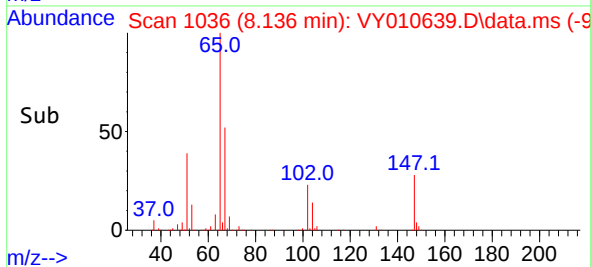
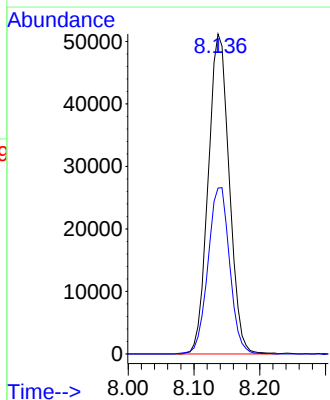
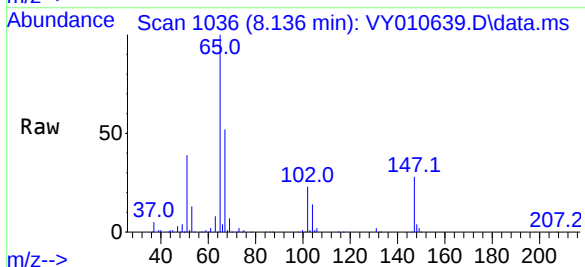
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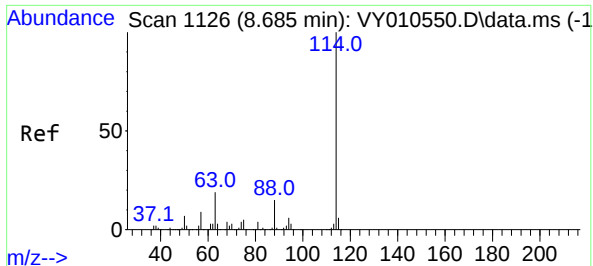
Tgt Ion: 56 Resp: 4582
Ion Ratio Lower Upper
56 100
69 167.4 26.7 40.1#
84 147.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.827 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

Tgt Ion: 65 Resp: 114080
Ion Ratio Lower Upper
65 100
67 53.5 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: VY010639.D

Acq: 23 Sep 2022 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBL01

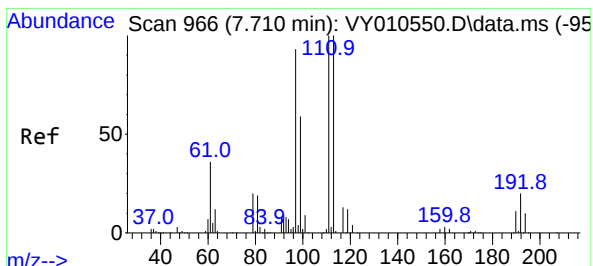
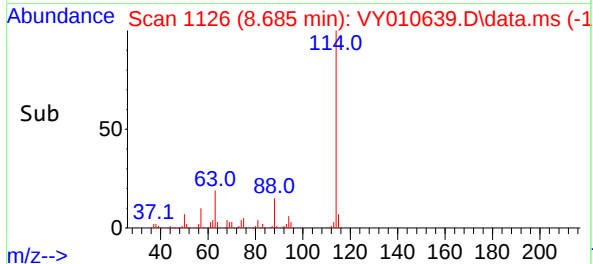
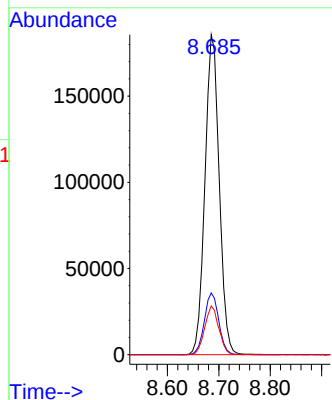
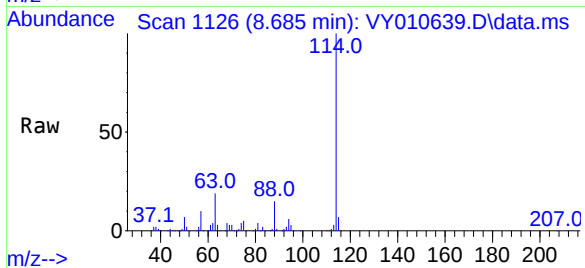
Tgt Ion:114 Resp: 357635

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.012 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010639.D

Acq: 23 Sep 2022 11:06

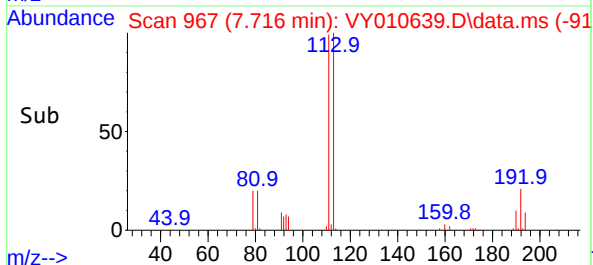
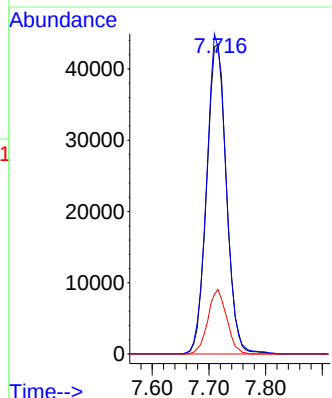
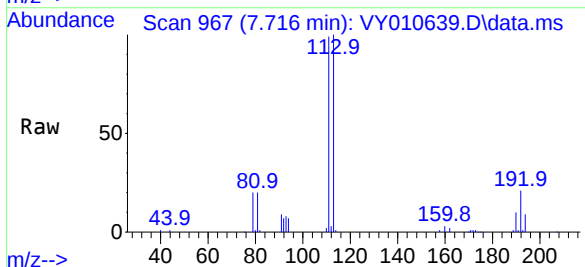
Tgt Ion:113 Resp: 105019

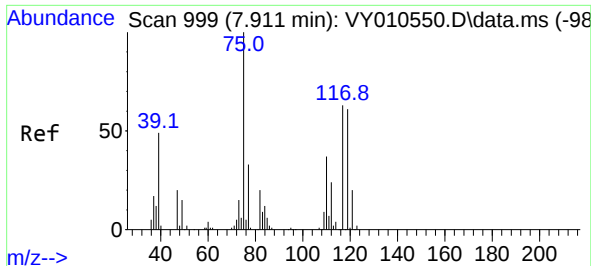
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 19.9 17.6 26.4

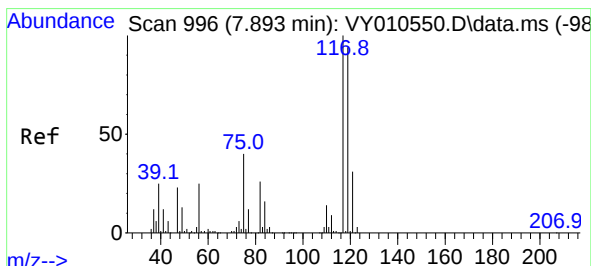
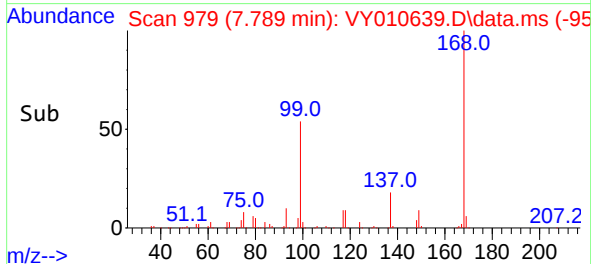
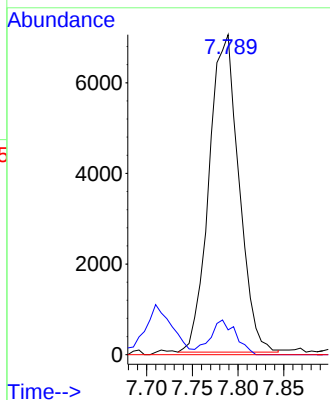
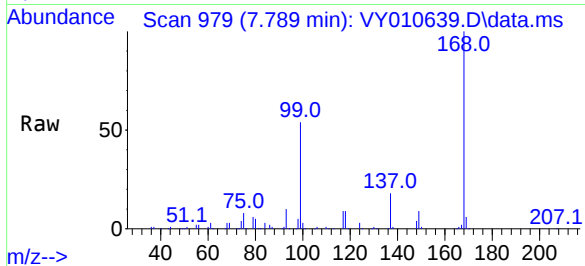




#36
1,1-Dichloropropene
Concen: 6.265 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

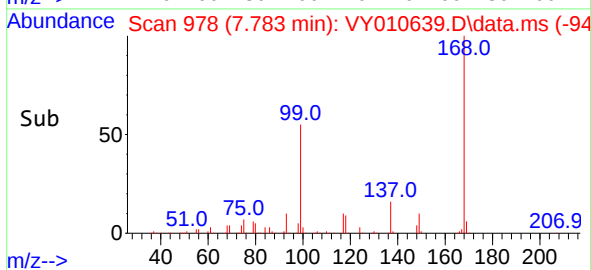
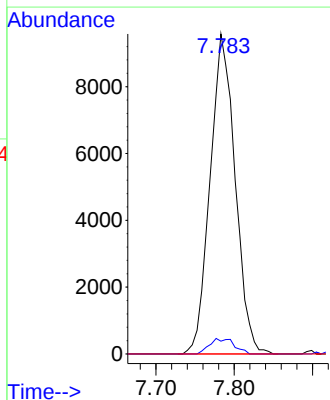
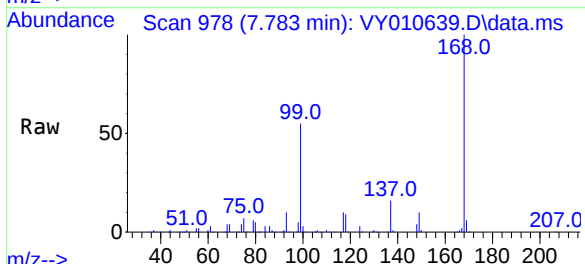
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBL01

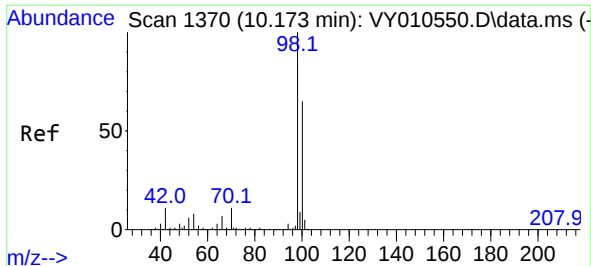
Tgt Ion: 75 Resp: 15933
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.270 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

Tgt Ion: 117 Resp: 21257
Ion Ratio Lower Upper
117 100
119 4.0 77.9 116.9#
121 0.0 24.8 37.2#

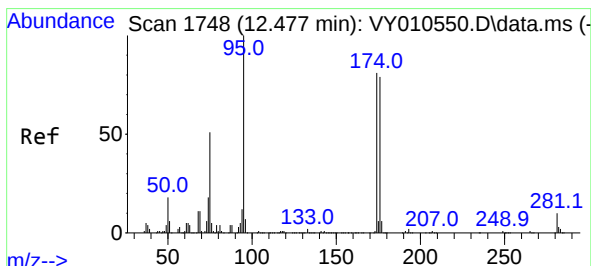
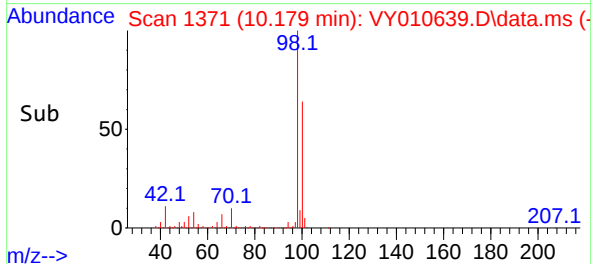
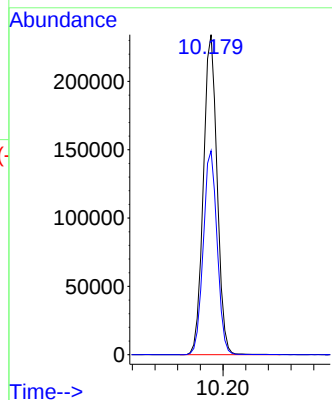
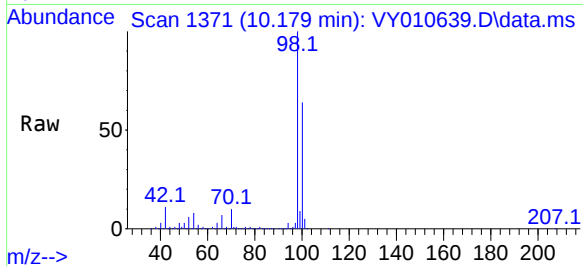




#50
Toluene-d8
Concen: 46.952 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

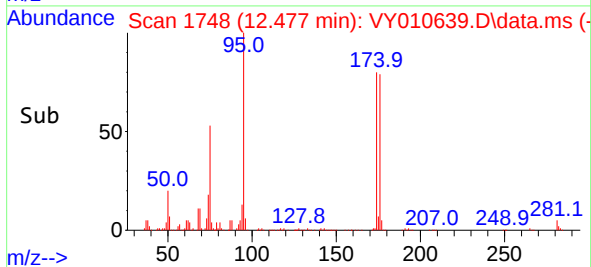
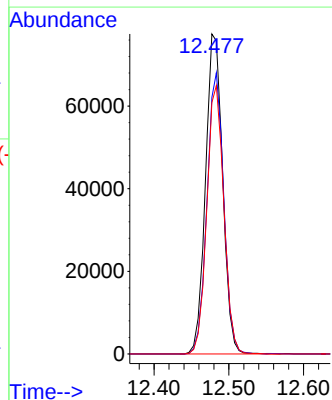
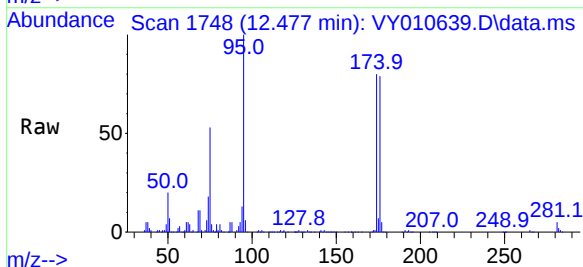
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBL01

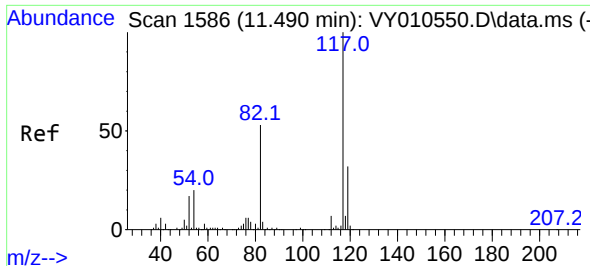
Tgt Ion: 98 Resp: 394341
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 38.794 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

Tgt Ion: 95 Resp: 123344
Ion Ratio Lower Upper
95 100
174 86.0 0.0 177.0
176 83.1 0.0 175.8

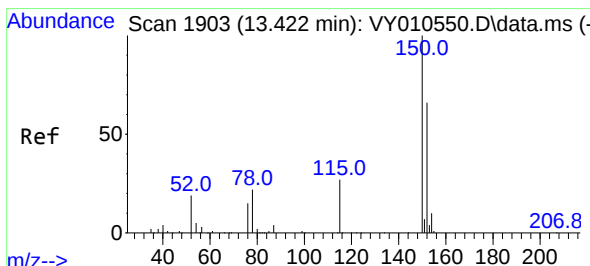
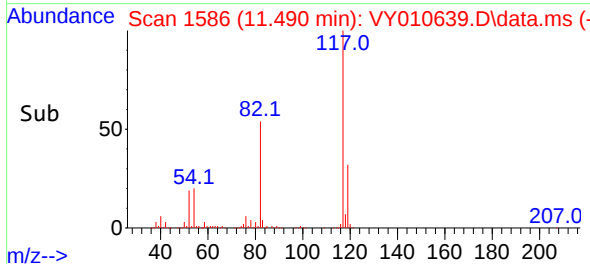
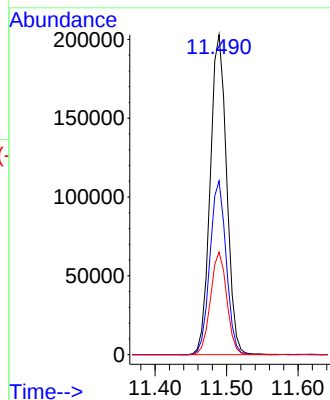
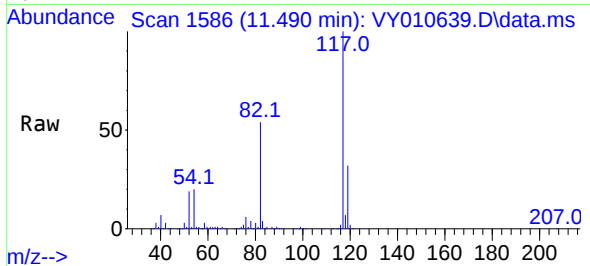




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

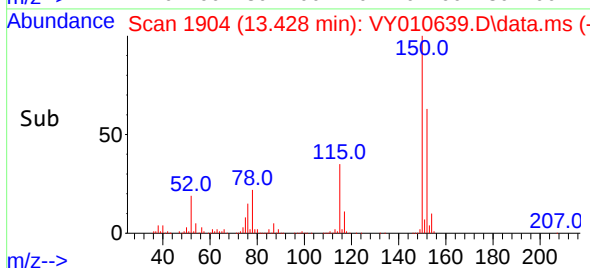
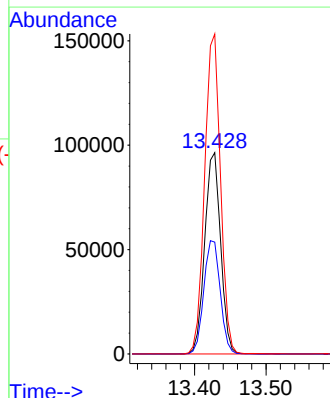
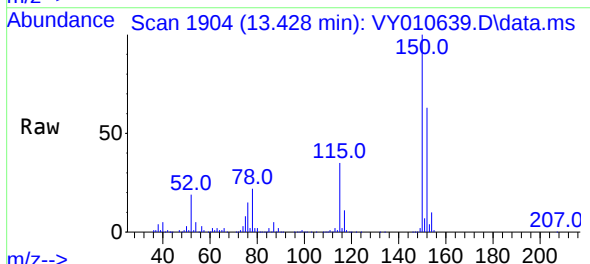
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBL01

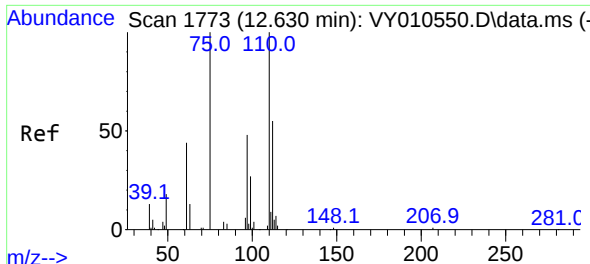
Tgt Ion:117 Resp: 324118
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

Tgt Ion:152 Resp: 149020
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.7
150 158.3 0.0 347.6

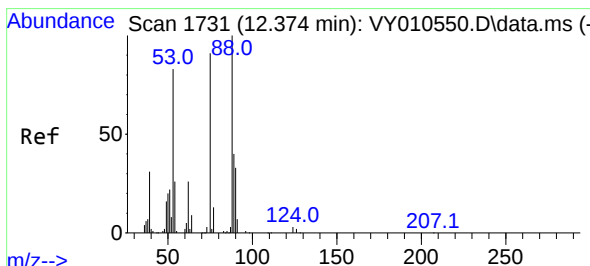
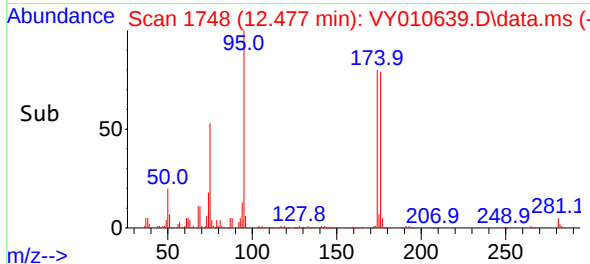
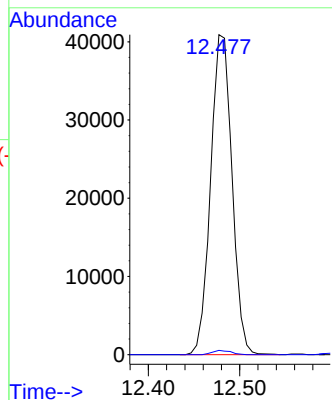
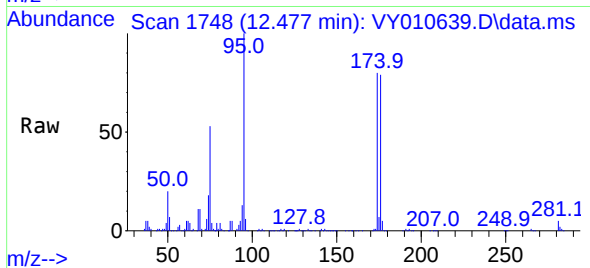




#76
1,2,3-Trichloropropane
Concen: 46.705 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBL01

Tgt Ion: 75 Resp: 66428
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.845 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010639.D
Acq: 23 Sep 2022 11:06

Tgt Ion: 75 Resp: 66428
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

