

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011923.D
 Acq On : 20 Dec 2022 15:36
 Operator : KP/MD
 Sample : N6091-02
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-121522

Quant Time: Dec 20 15:54:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

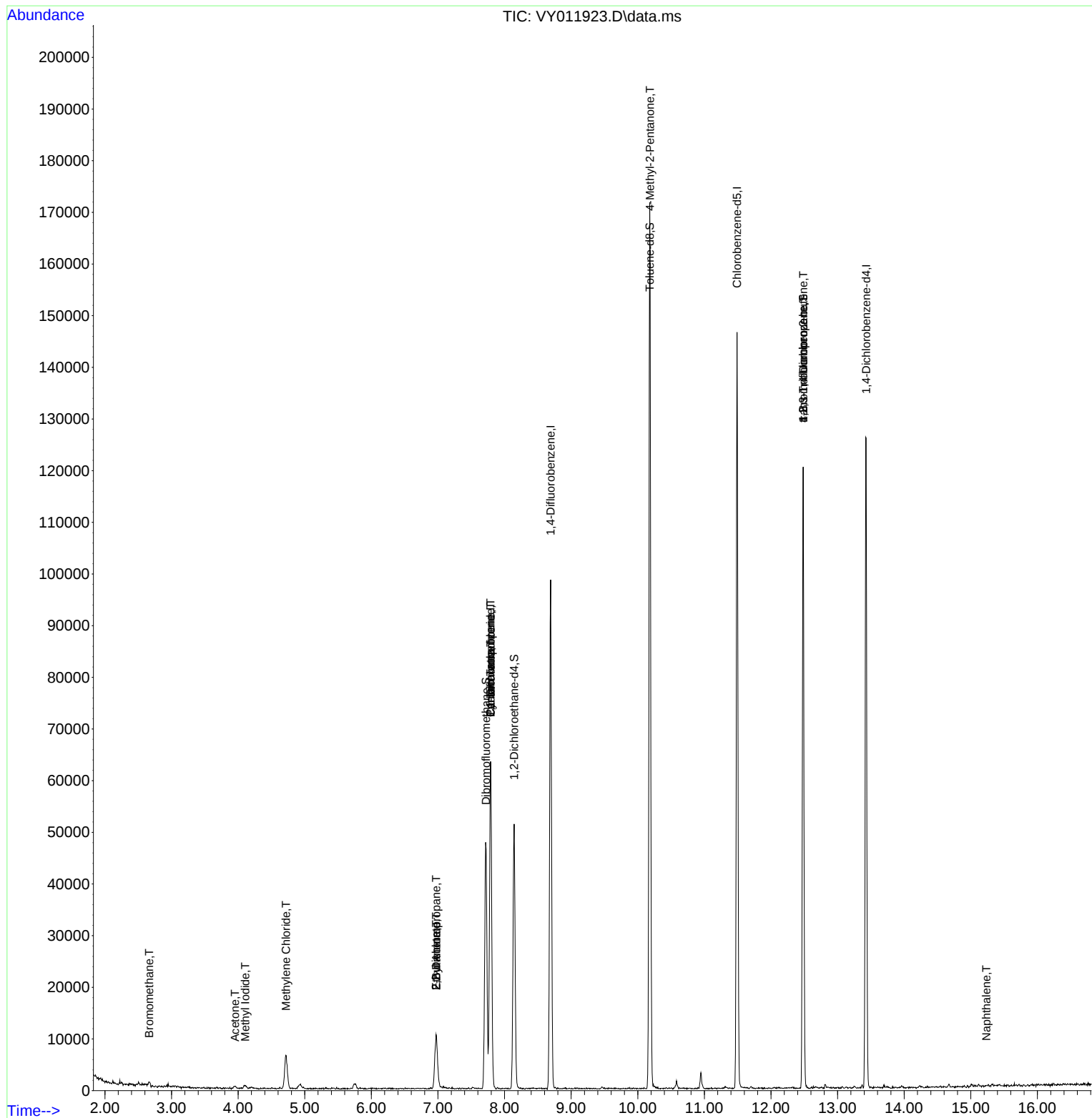
Internal Standards						
1) Pentafluorobenzene	7.789	168	50254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	84382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	80651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	35216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	39819	78.647	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 157.300%			
35) Dibromofluoromethane	7.722	113	33311	65.572	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 131.140%			
50) Toluene-d8	10.179	98	116852	56.694	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.380%			
62) 4-Bromofluorobenzene	12.483	95	35861	51.733	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.460%			
Target Compounds					Qvalue	
5) Bromomethane	2.662	94	400	1.140	ug/l	90
10) Methyl Iodide	4.107	142	1105	1.680	ug/l #	81
11) Tert butyl alcohol	4.936	59	1008	Below Cal	#	74
16) Acetone	3.954	43	741	9.681	ug/l	93
20) Methylene Chloride	4.716	84	5034	2.974	ug/l	90
25) 2-Butanone	6.972	43	477	2.828	ug/l #	46
26) 2,2-Dichloropropane	6.972	77	896	1.022	ug/l #	53
31) Cyclohexane	7.789	56	939	1.102	ug/l #	13
36) 1,1-Dichloropropene	7.789	75	3862	4.740	ug/l #	48
37) Ethyl Acetate	6.972	43	477	1.305	ug/l #	1
38) Carbon Tetrachloride	7.789	117	5002	5.315	ug/l #	19
51) 4-Methyl-2-Pentanone	10.185	43	496	1.393	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	18181	41.490	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	18181	113.620	ug/l #	13
95) Naphthalene	15.233	128	301	2.997	ug/l #	69

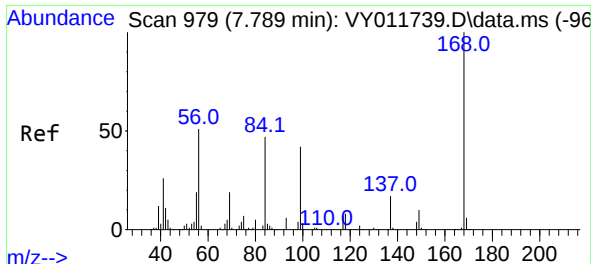
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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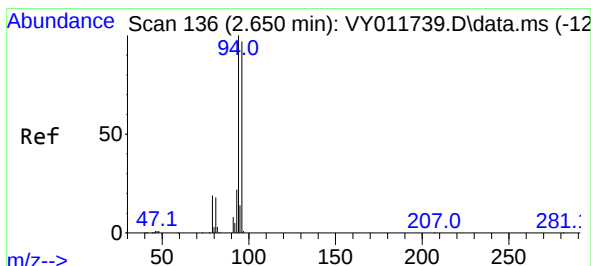
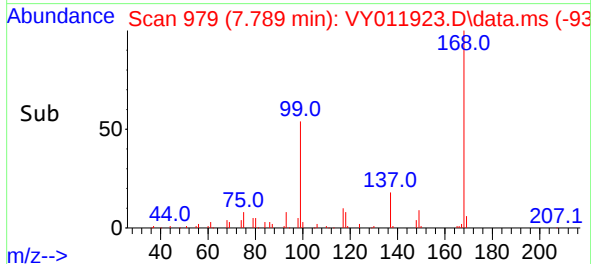
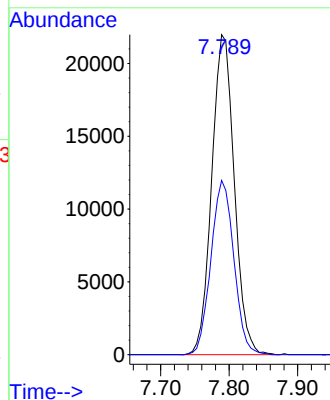
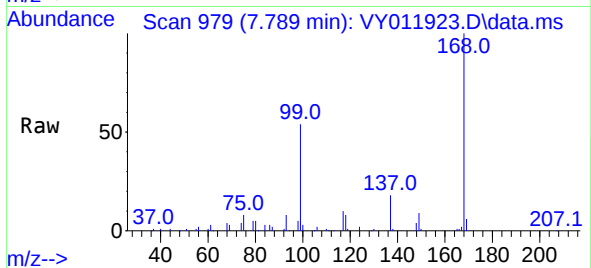




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

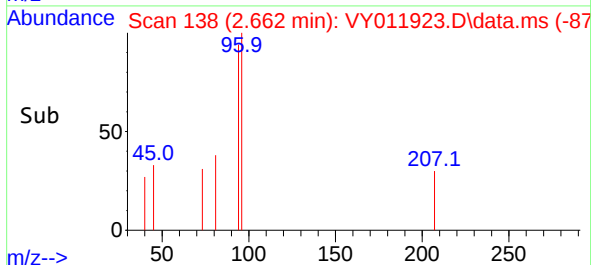
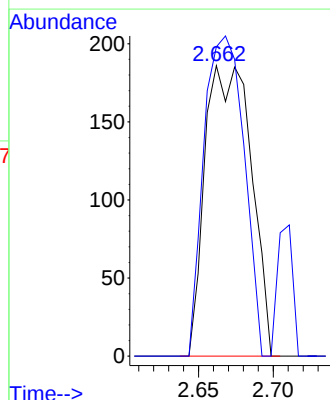
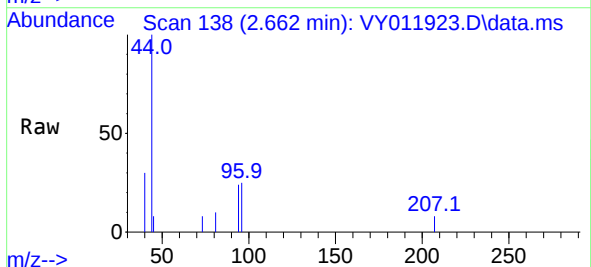
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-121522

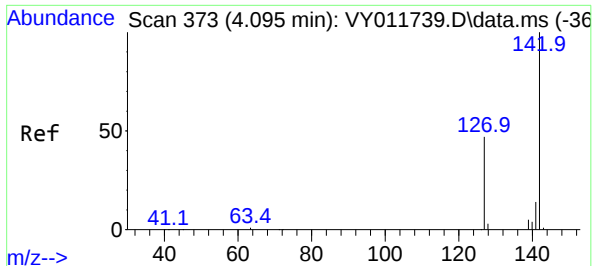
Tgt Ion:168 Resp: 50254
Ion Ratio Lower Upper
168 100
99 54.5 44.0 66.0



#5
Bromomethane
Concen: 1.140 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

Tgt Ion: 94 Resp: 400
Ion Ratio Lower Upper
94 100
96 106.5 77.4 116.2

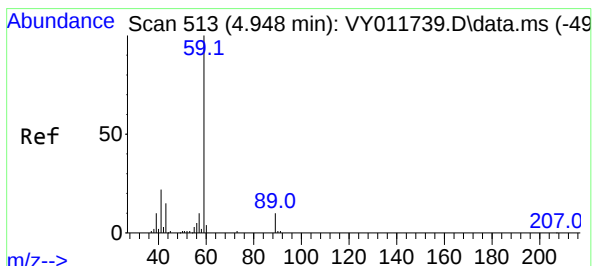
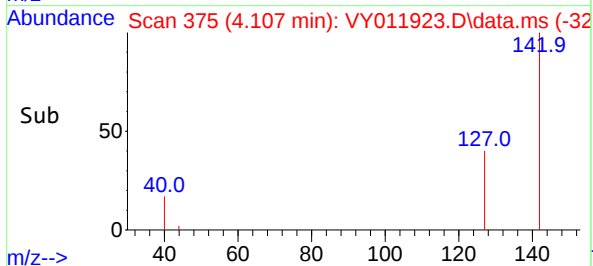
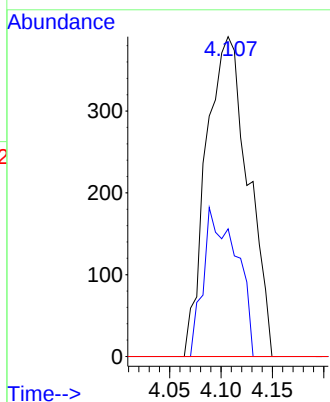
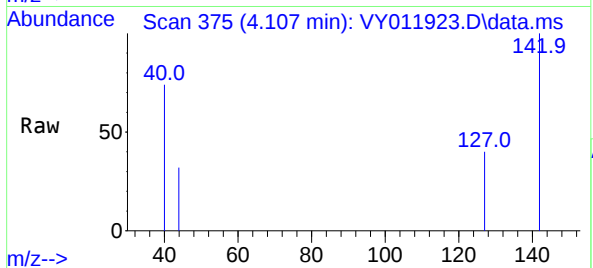




#10
Methyl Iodide
Concen: 1.680 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

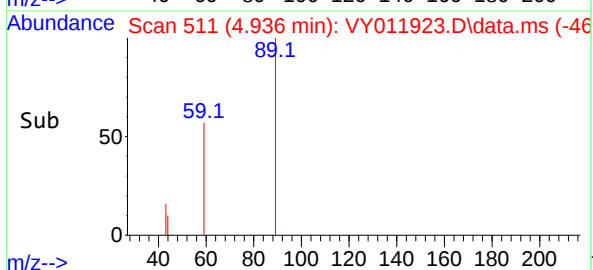
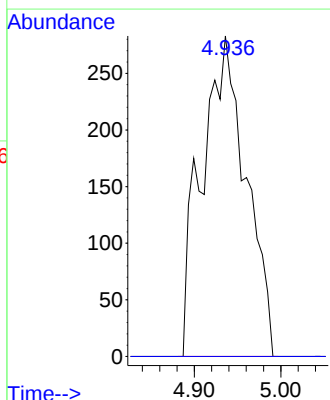
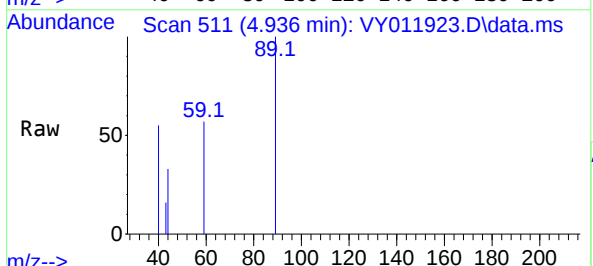
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-121522

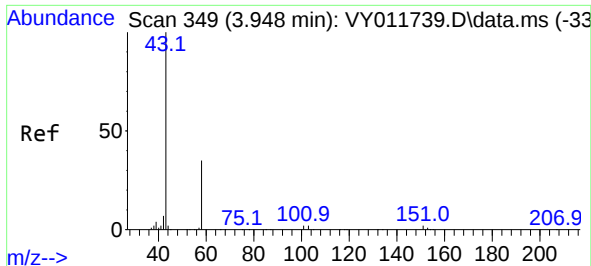
Tgt Ion:142 Resp: 1105
Ion Ratio Lower Upper
142 100
127 36.7 37.0 55.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

Tgt Ion: 59 Resp: 1008
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

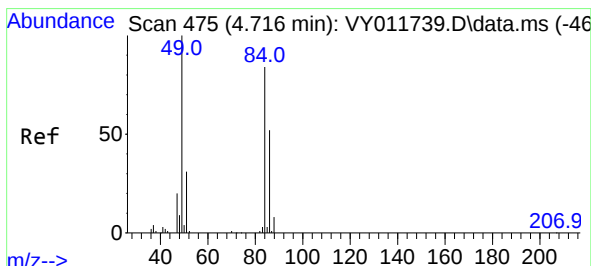
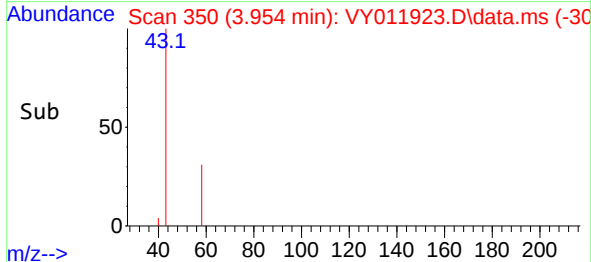
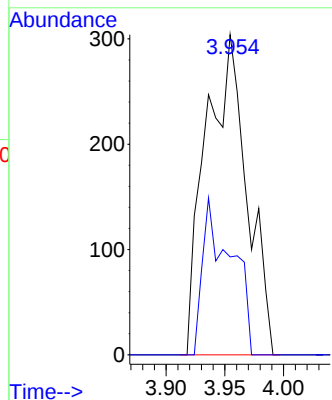
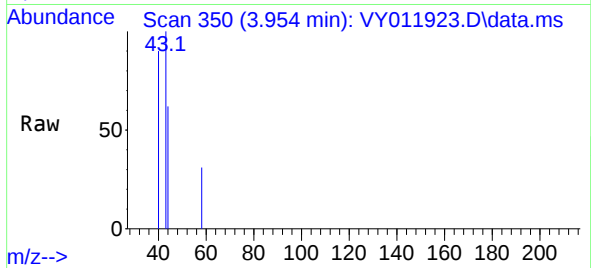




#16
Acetone
Concen: 9.681 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

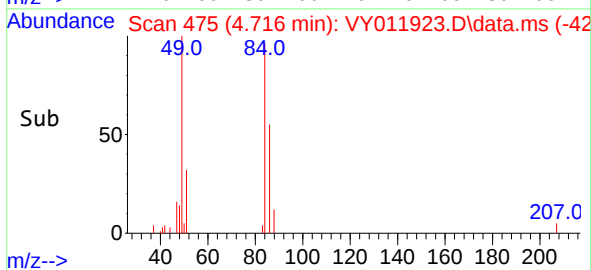
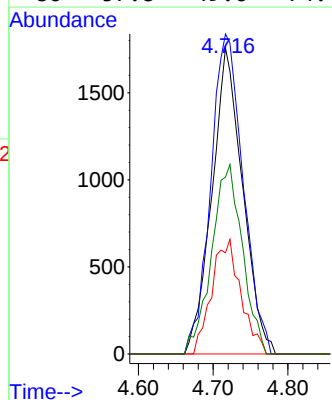
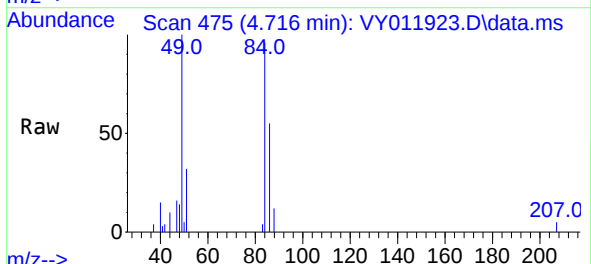
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-121522

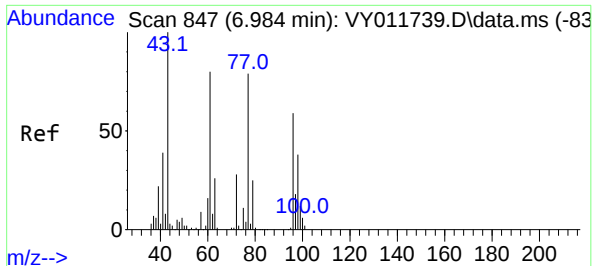
Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 30.6 27.9 41.9



#20
Methylene Chloride
Concen: 2.974 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

Tgt Ion: 84 Resp: 5034
Ion Ratio Lower Upper
84 100
49 104.6 95.4 143.2
51 33.1 29.9 44.9
86 57.8 49.6 74.4

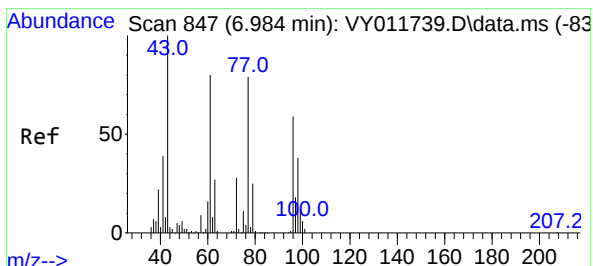
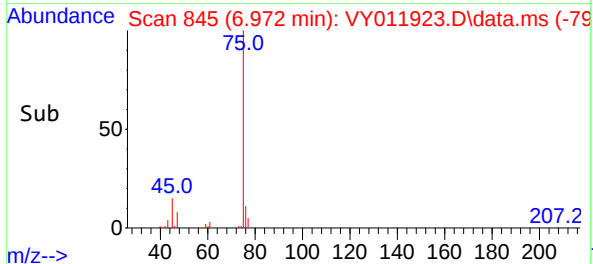
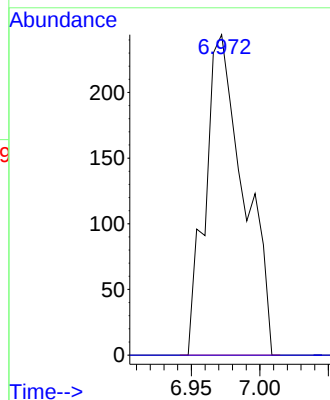
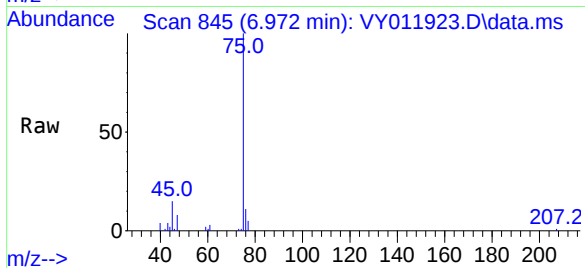




#25
2-Butanone
Concen: 2.828 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

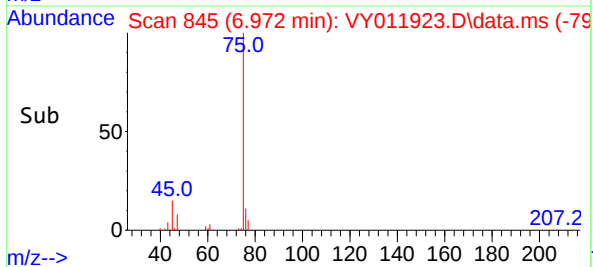
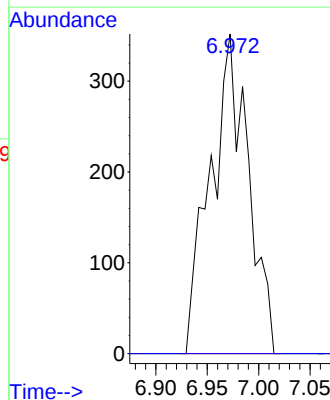
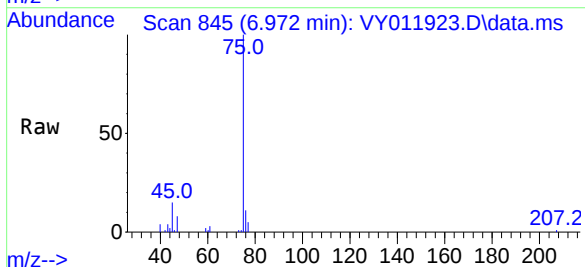
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-121522

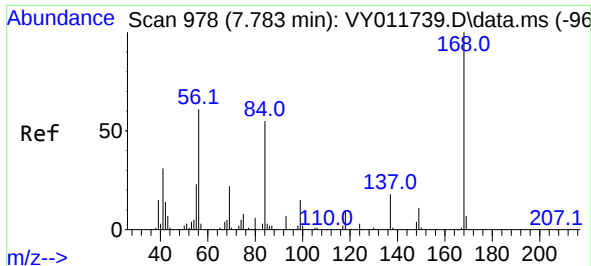
Tgt Ion: 43 Resp: 477
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#



#26
2,2-Dichloropropane
Concen: 1.022 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

Tgt Ion: 77 Resp: 896
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#

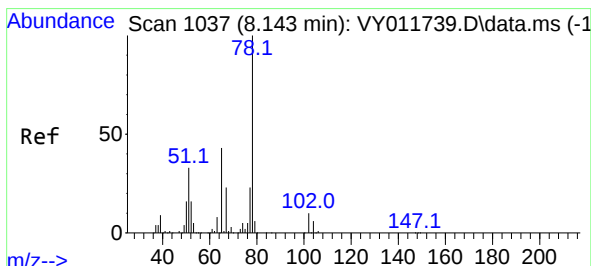
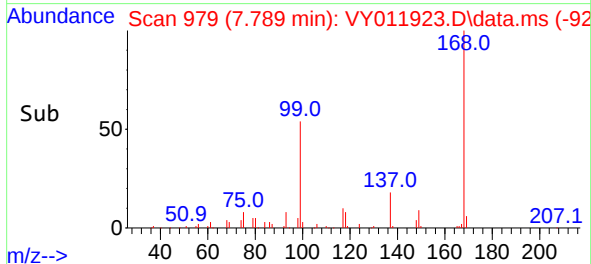
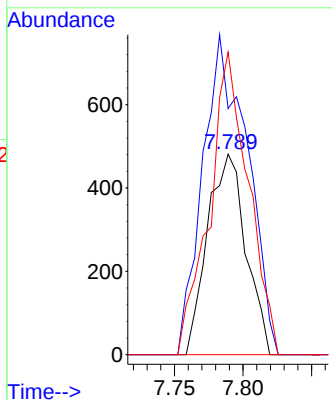
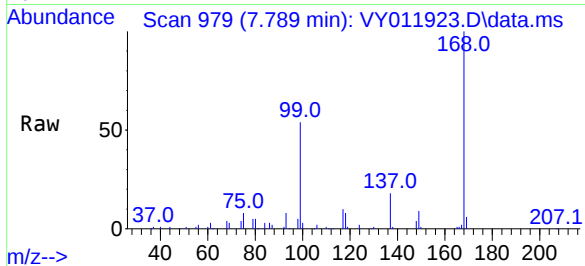




#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

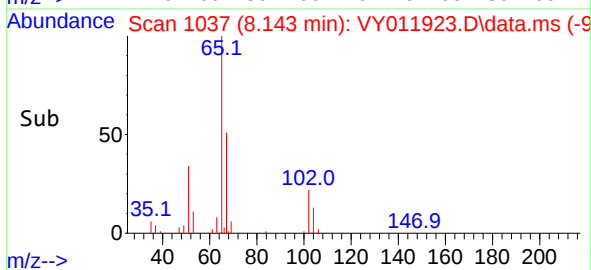
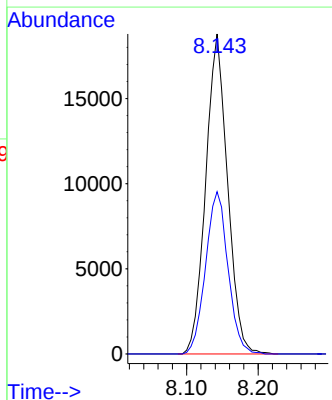
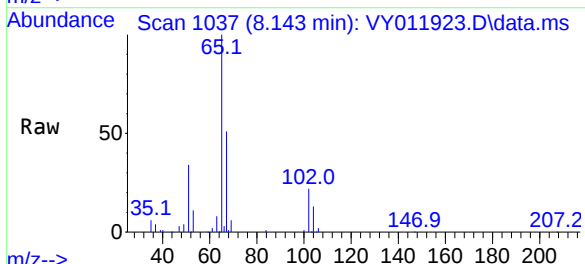
Instrument :
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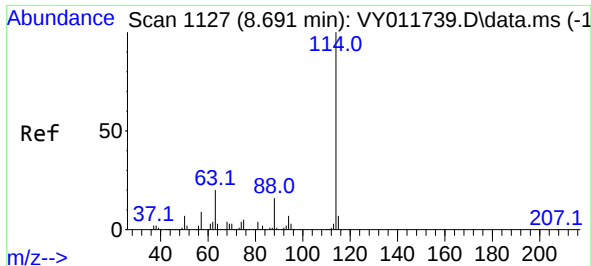
Tgt Ion: 56 Resp: 939
Ion Ratio Lower Upper
56 100
69 122.9 29.2 43.8#
84 150.9 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 78.647 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

Tgt Ion: 65 Resp: 39819
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011923.D

Acq: 20 Dec 2022 15:36

Instrument :

MSVOA_Y

ClientSampleId :

BU-03-121522

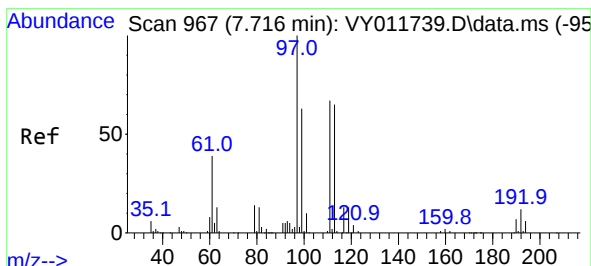
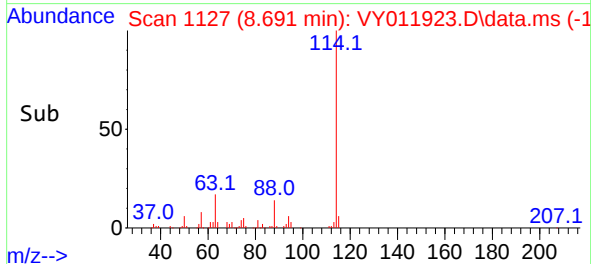
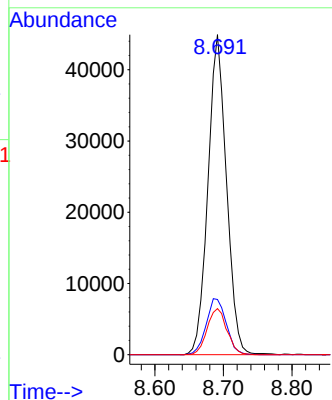
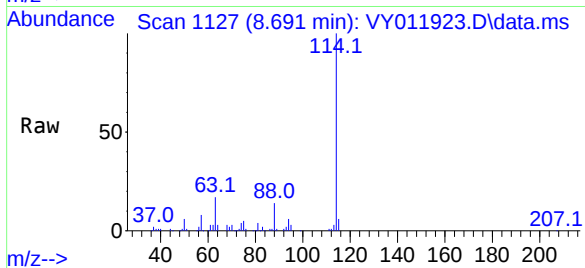
Tgt Ion:114 Resp: 84382

Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 14.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 65.572 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011923.D

Acq: 20 Dec 2022 15:36

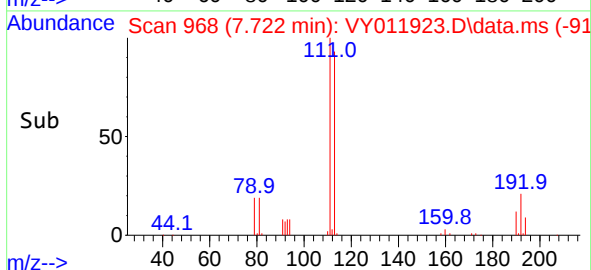
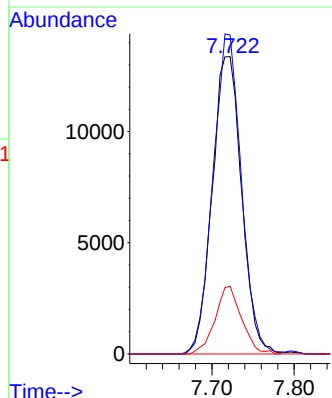
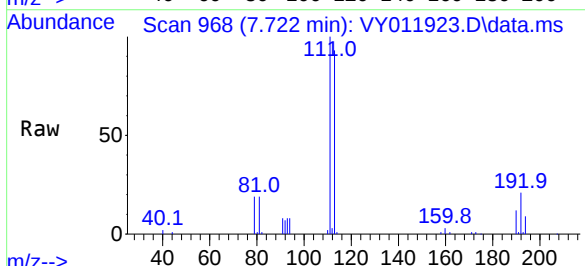
Tgt Ion:113 Resp: 33311

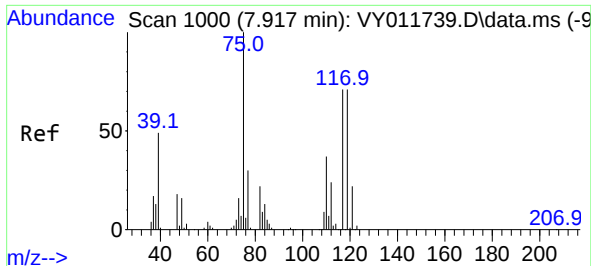
Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.4

192 20.5 16.0 24.0

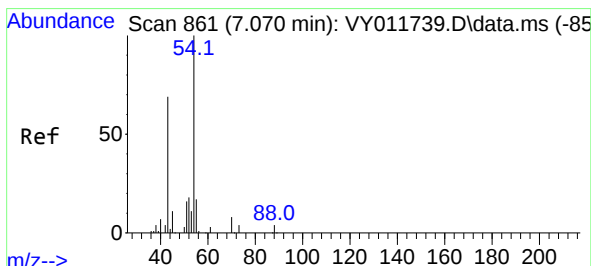
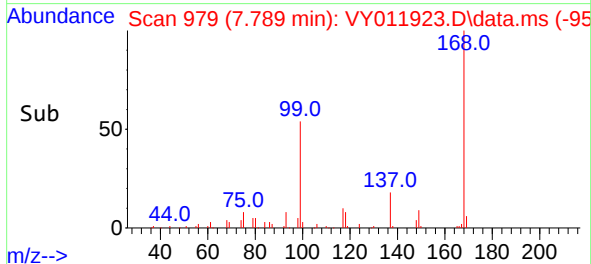
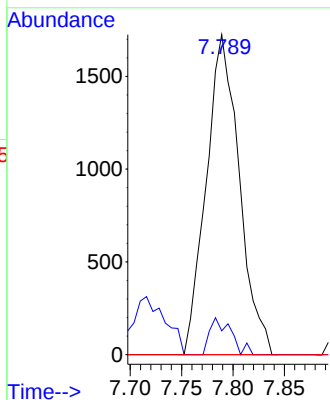
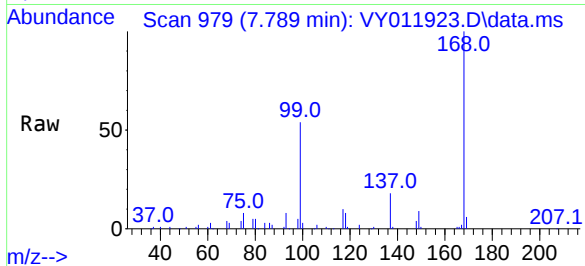




#36
1,1-Dichloropropene
Concen: 4.740 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

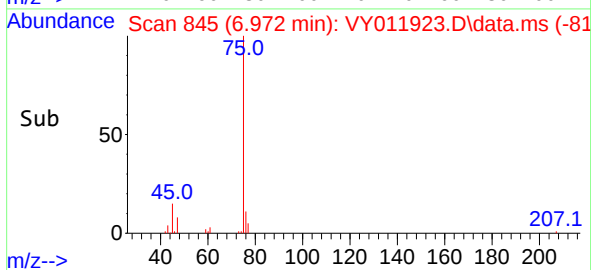
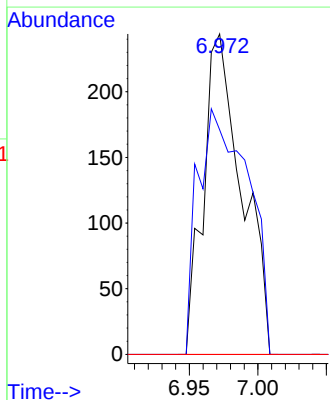
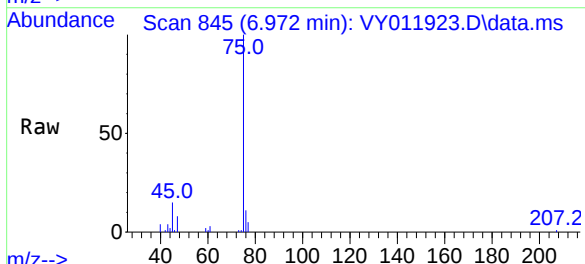
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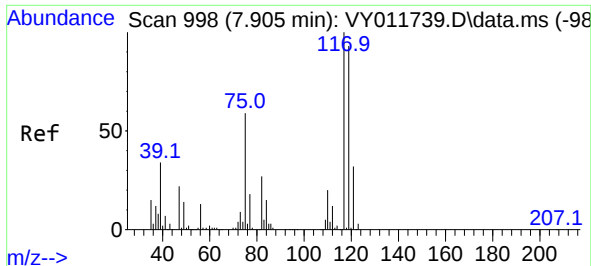
Tgt Ion: 75 Resp: 3862
Ion Ratio Lower Upper
75 100
110 7.4 18.1 54.1#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 1.305 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

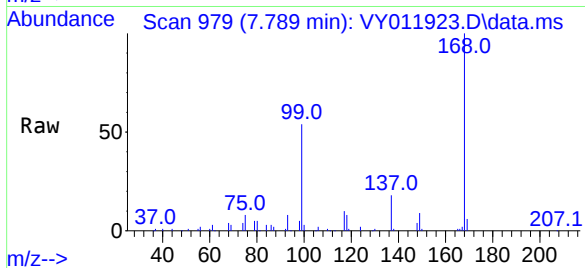
Tgt Ion: 43 Resp: 477
Ion Ratio Lower Upper
43 100
61 100.6 11.3 16.9#
70 0.0 8.2 12.4#



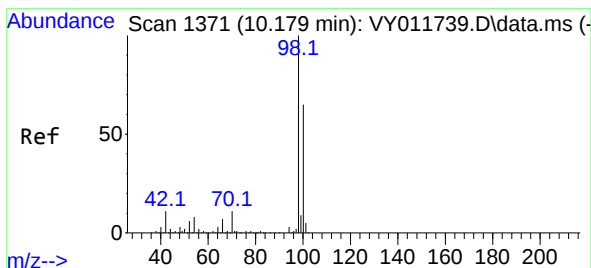
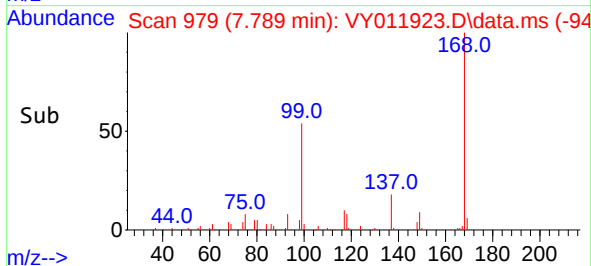
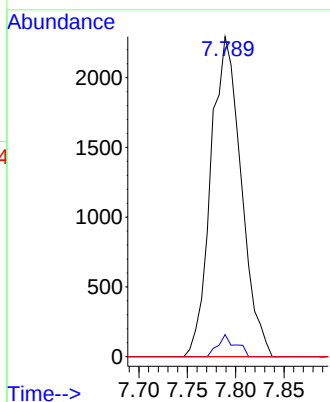


#38
Carbon Tetrachloride
Concen: 5.315 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

Instrument :
MSVOA_Y
ClientSampleId :
BU-03-121522

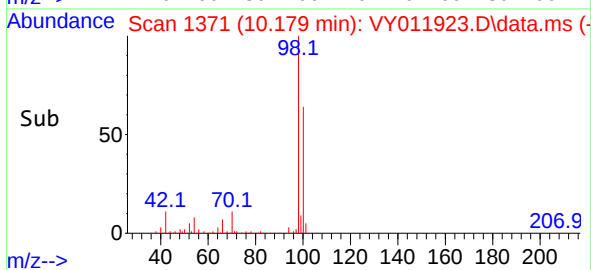
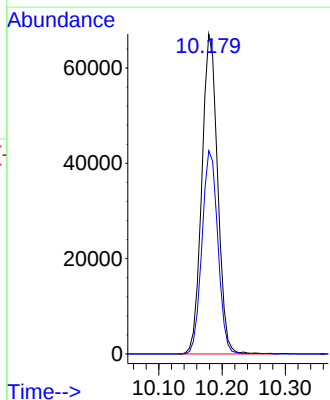
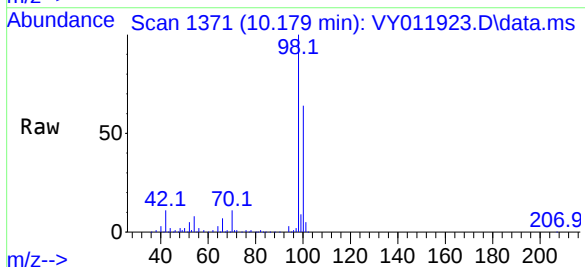


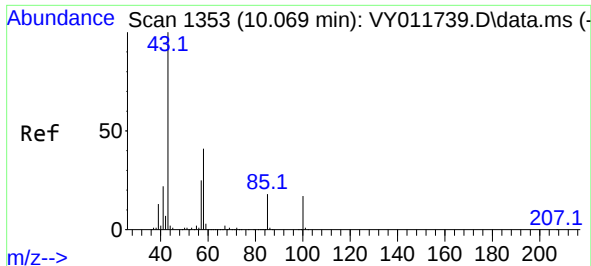
Tgt Ion:117 Resp: 5002
Ion Ratio Lower Upper
117 100
119 6.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 56.694 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

Tgt Ion: 98 Resp: 116852
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

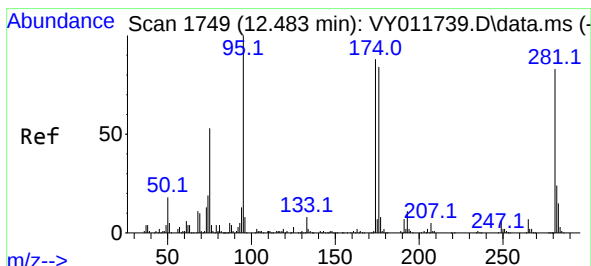
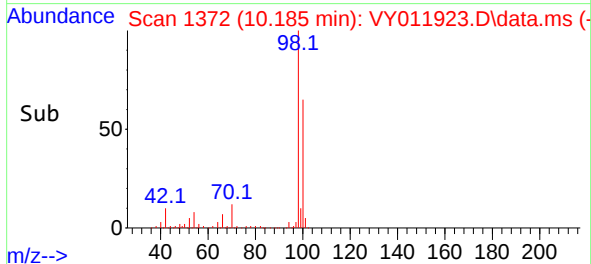
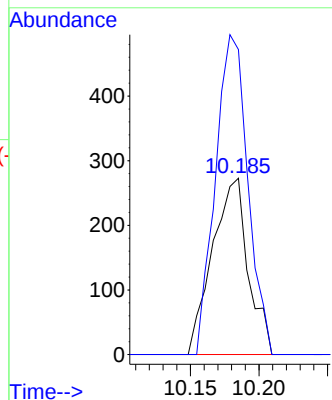
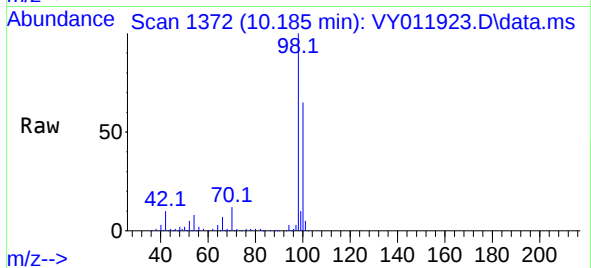




#51
4-Methyl-2-Pentanone
Concen: 1.393 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

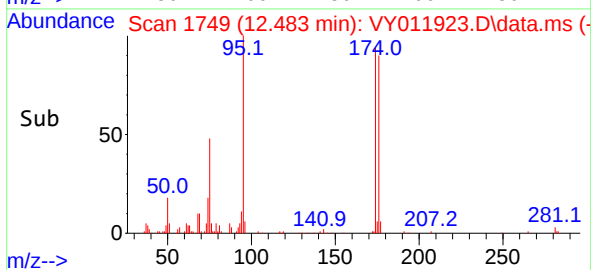
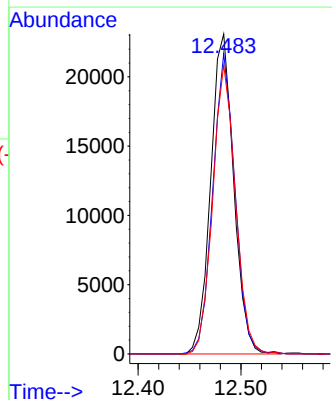
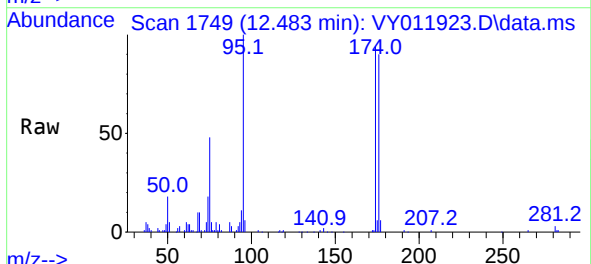
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-121522

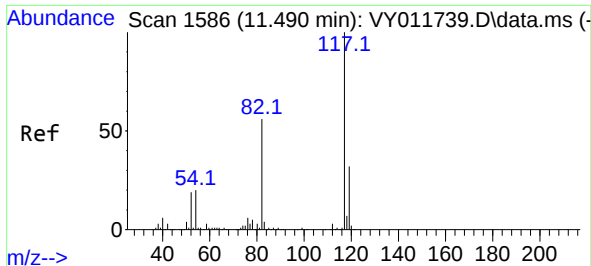
Tgt Ion: 43 Resp: 496
Ion Ratio Lower Upper
43 100
58 164.3 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 51.733 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

Tgt Ion: 95 Resp: 35861
Ion Ratio Lower Upper
95 100
174 90.7 0.0 172.0
176 89.2 0.0 167.6

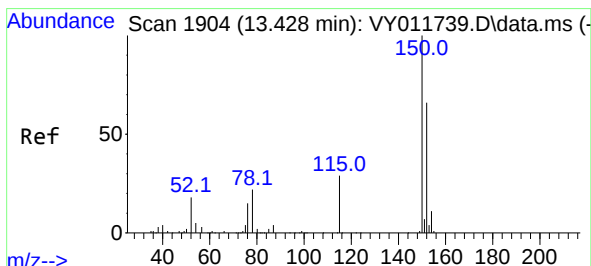
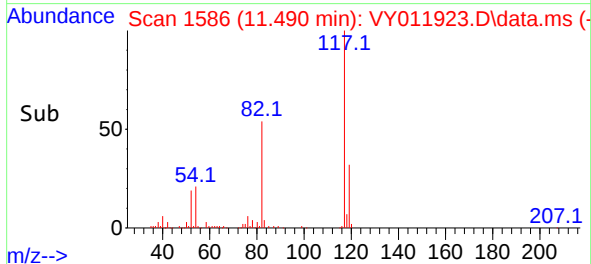
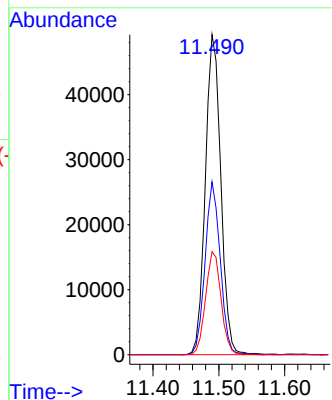
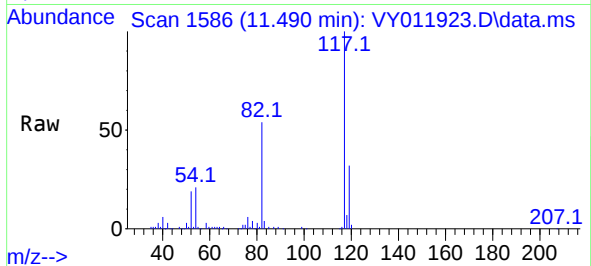




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

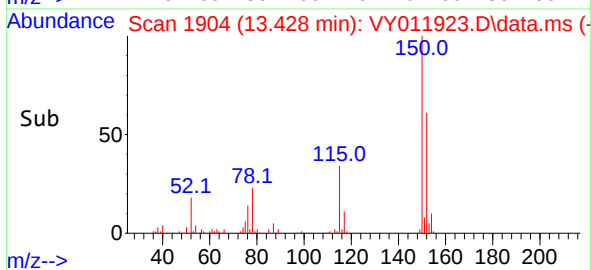
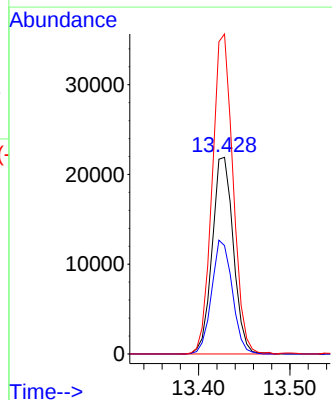
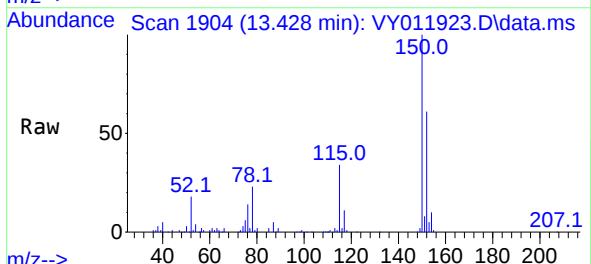
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-121522

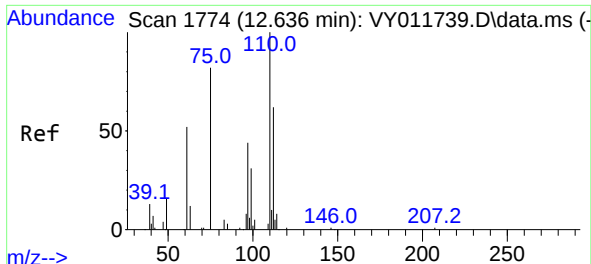
Tgt Ion:117 Resp: 80651
Ion Ratio Lower Upper
117 100
82 54.0 44.8 67.2
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

Tgt Ion:152 Resp: 35216
Ion Ratio Lower Upper
152 100
115 56.4 29.1 87.3
150 160.0 0.0 342.6

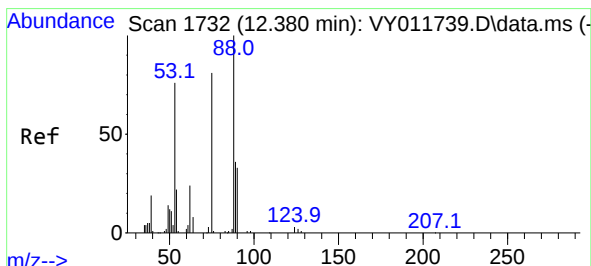
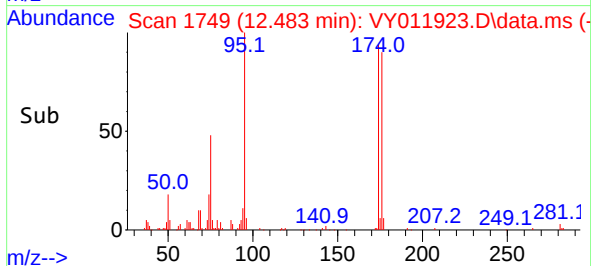
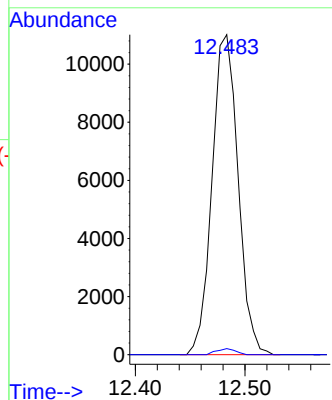
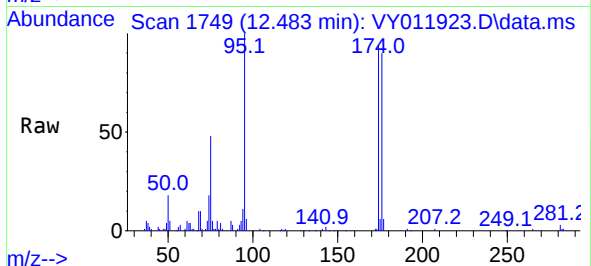




#76
1,2,3-Trichloropropane
Concen: 41.490 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

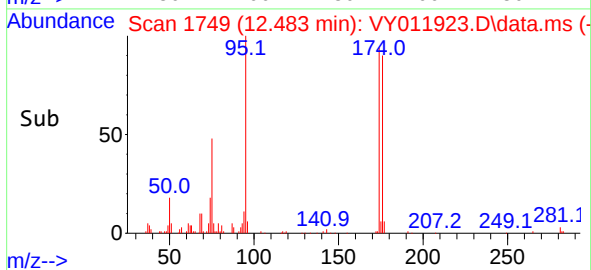
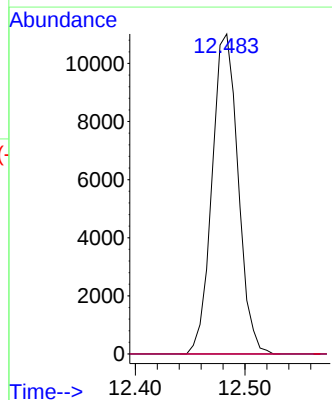
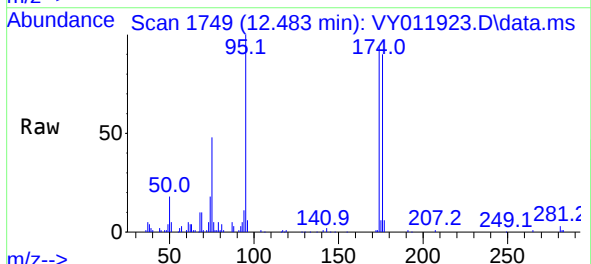
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-121522

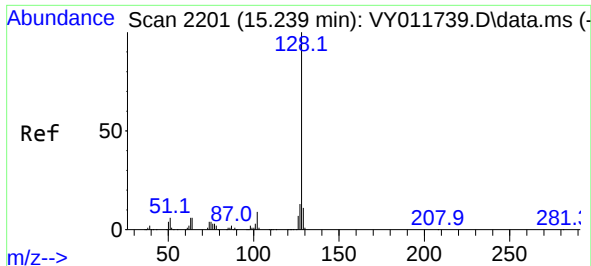
Tgt Ion: 75 Resp: 18181
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.620 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

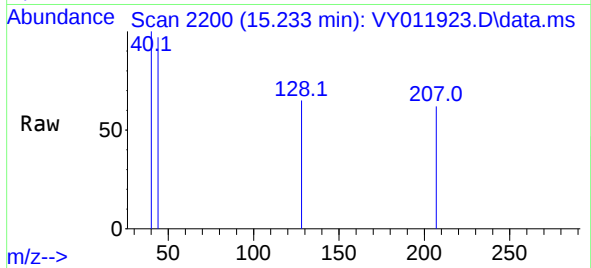
Tgt Ion: 75 Resp: 18181
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 2.997 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011923.D
Acq: 20 Dec 2022 15:36

Instrument :
MSVOA_Y
ClientSampleId :
BU-03-121522



Tgt Ion:	128	Resp:	301
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.8	13.2#

