

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010830.D
 Acq On : 05 Oct 2022 19:02
 Operator : KP/MD
 Sample : N5004-10
 Misc : 6.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22008-18

Quant Time: Oct 06 09:24:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

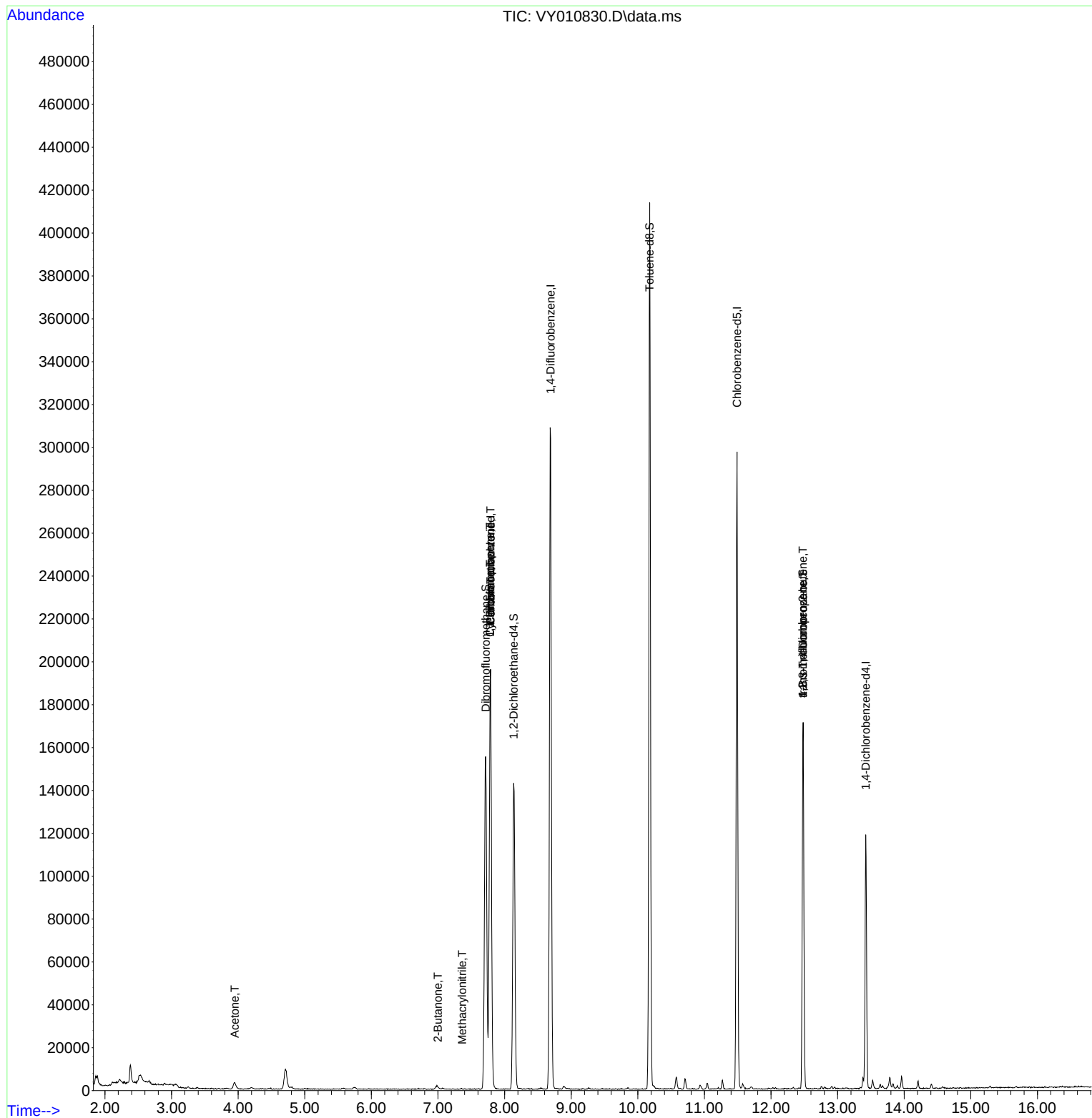
Internal Standards						
1) Pentafluorobenzene	7.789	168	152236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	263495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	159785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	30426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112504	72.908	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.820%			
35) Dibromofluoromethane	7.716	113	113496	64.888	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 129.780%			
50) Toluene-d8	10.179	98	265279	44.348	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.700%			
62) 4-Bromofluorobenzene	12.477	95	49583	18.931	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 37.860%			
Target Compounds						
11) Tert butyl alcohol	4.954	59	19	Below Cal	#	77
16) Acetone	3.948	43	5495	14.021	ug/l	94
20) Methylene Chloride	4.704	84	6956	Below Cal	#	87
25) 2-Butanone	6.996	43	2313	4.105	ug/l	# 82
31) Cyclohexane	7.783	56	3292	1.192	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	12353	4.892	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	14628	5.562	ug/l	# 16
41) Methacrylonitrile	7.362	41	45	2.640	ug/l	# 1
76) 1,2,3-Trichloropropane	12.477	75	25192	81.760	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	25192	170.790	ug/l	# 7

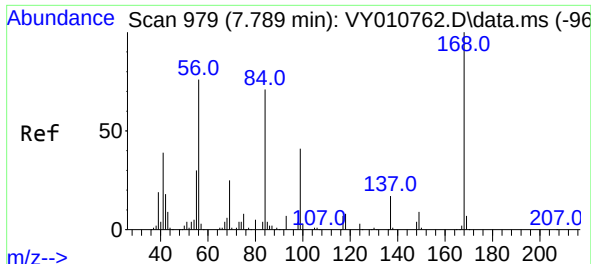
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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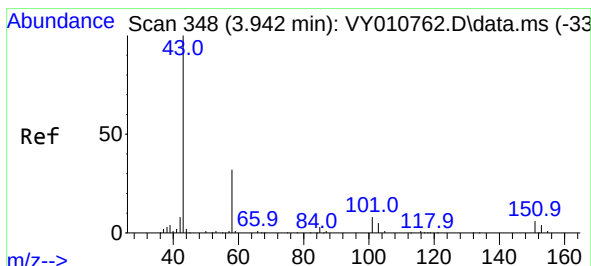
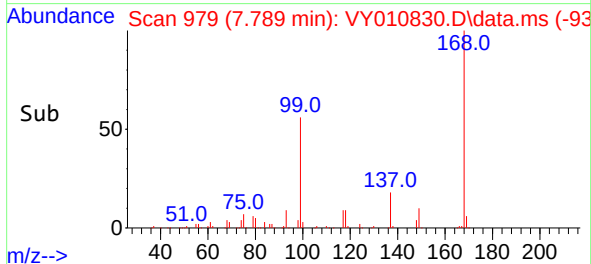
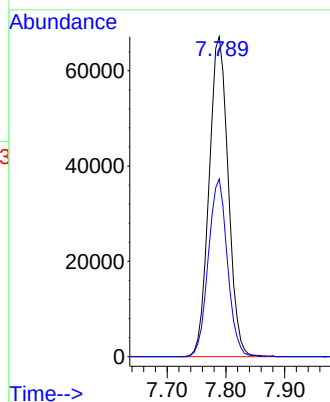
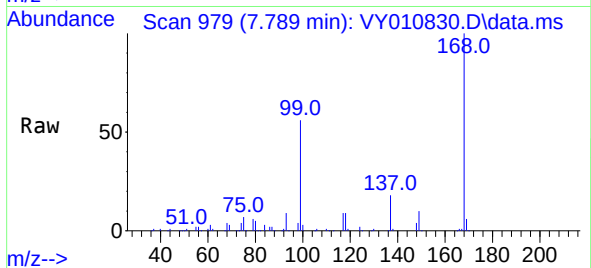




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

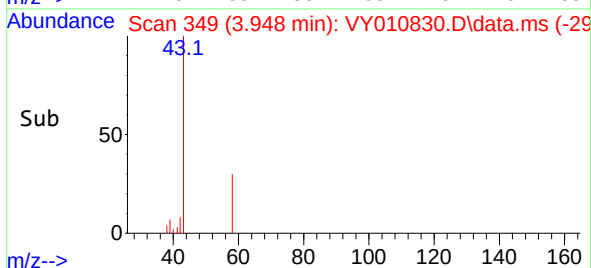
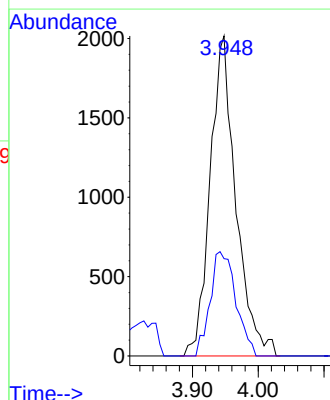
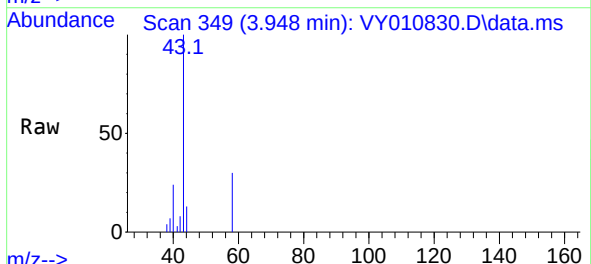
Instrument :
MSVOA_Y
ClientSampleId :
D22008-18

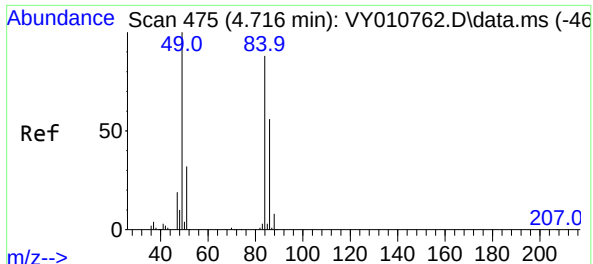
Tgt Ion:168 Resp: 152236
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#16
Acetone
Concen: 14.021 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

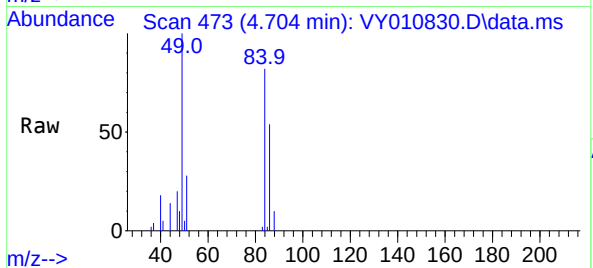
Tgt Ion: 43 Resp: 5495
Ion Ratio Lower Upper
43 100
58 30.4 22.0 33.0



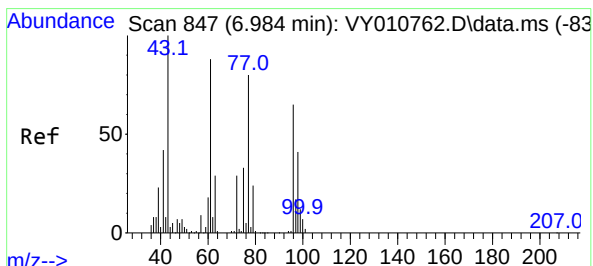
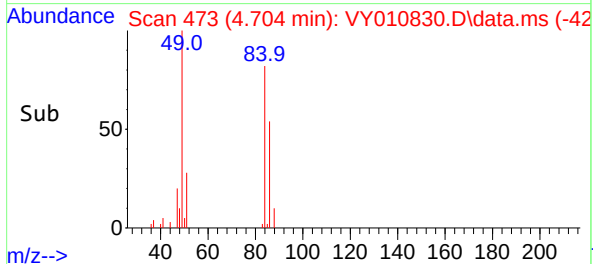
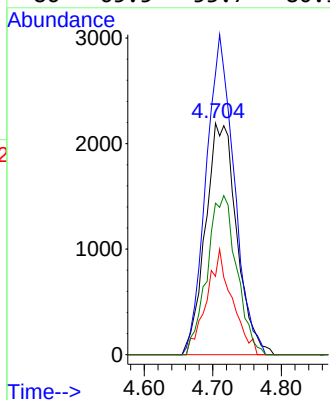


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

Instrument :
MSVOA_Y
ClientSampleId :
D22008-18

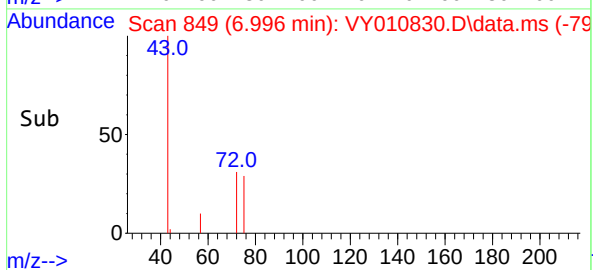
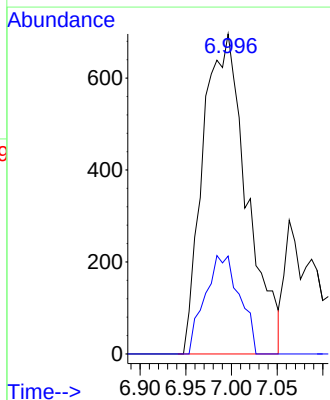
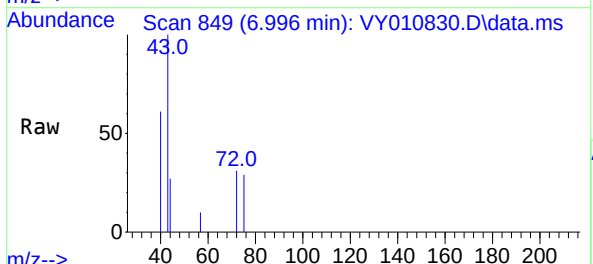


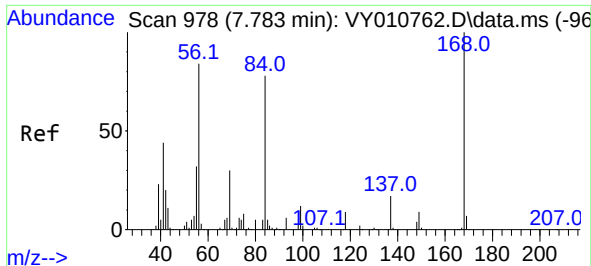
Tgt Ion: 84 Resp: 6956
Ion Ratio Lower Upper
84 100
49 121.3 114.4 171.6
51 33.9 35.3 52.9#
86 65.5 53.7 80.5



#25
2-Butanone
Concen: 4.105 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

Tgt Ion: 43 Resp: 2313
Ion Ratio Lower Upper
43 100
72 30.6 17.7 26.5#

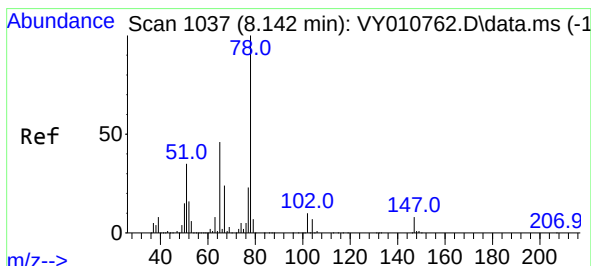
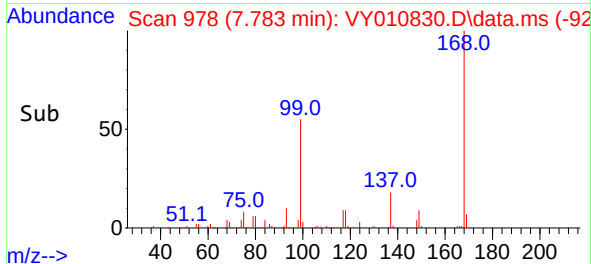
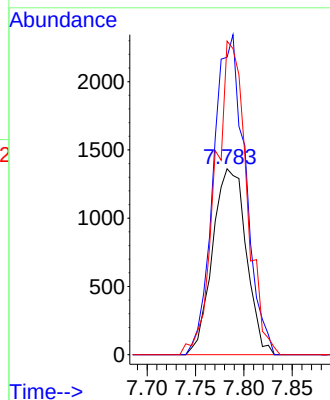
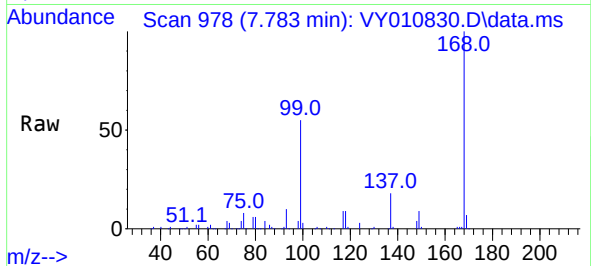




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

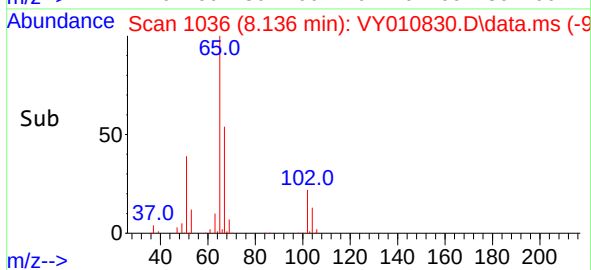
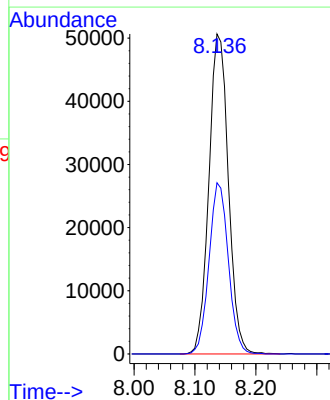
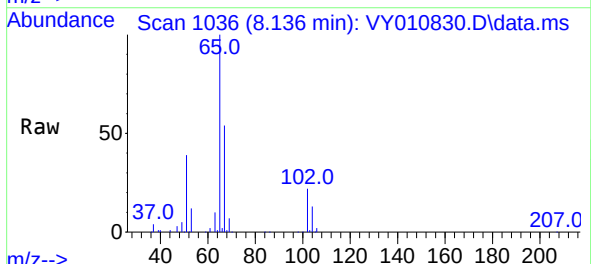
Instrument :
MSVOA_Y
ClientSampleId :
D22008-18

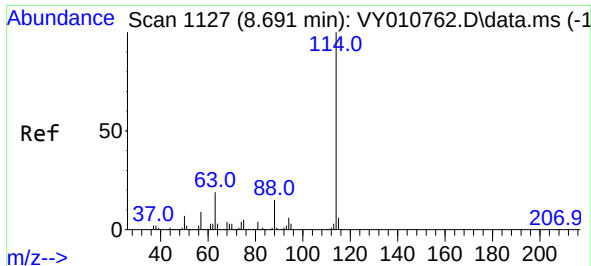
Tgt Ion: 56 Resp: 3292
Ion Ratio Lower Upper
56 100
69 160.0 26.7 40.1#
84 168.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 72.908 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

Tgt Ion: 65 Resp: 112504
Ion Ratio Lower Upper
65 100
67 53.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY010830.D

Acq: 05 Oct 2022 19:02

Instrument :

MSVOA_Y

ClientSampleId :

D22008-18

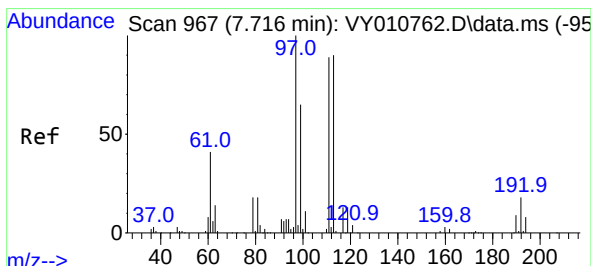
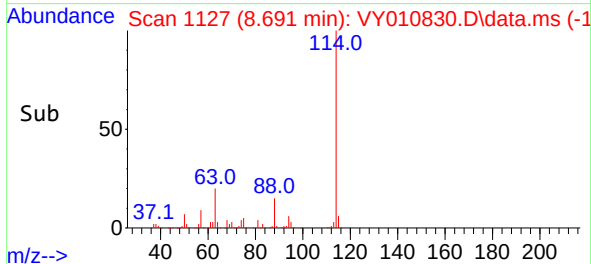
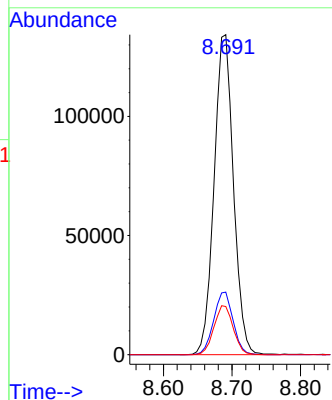
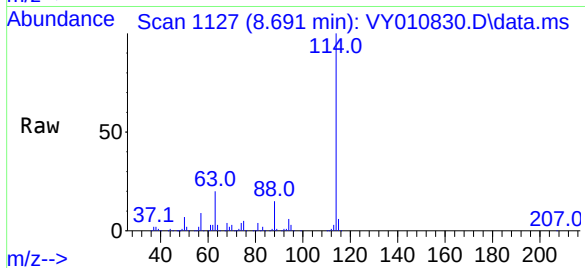
Tgt Ion:114 Resp: 263495

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 64.888 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010830.D

Acq: 05 Oct 2022 19:02

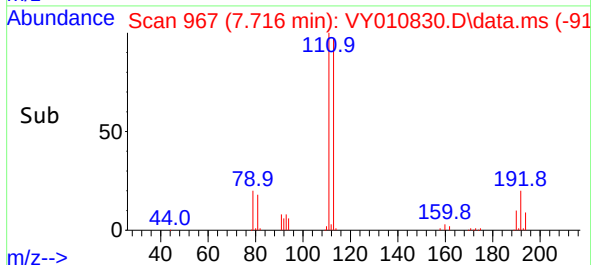
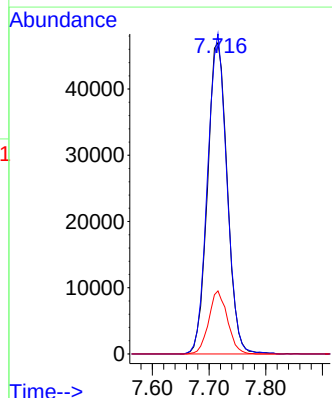
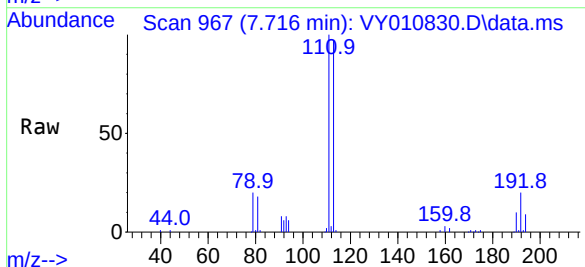
Tgt Ion:113 Resp: 113496

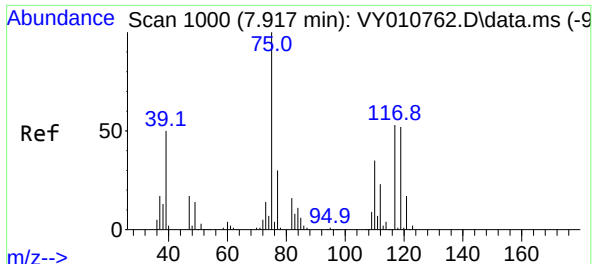
Ion Ratio Lower Upper

113 100

111 100.8 82.6 124.0

192 19.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.892 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY010830.D

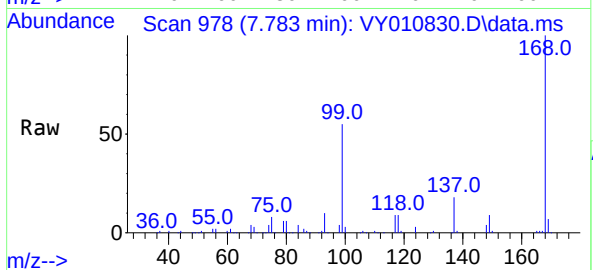
Acq: 05 Oct 2022 19:02

Instrument :

MSVOA_Y

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D22008-18



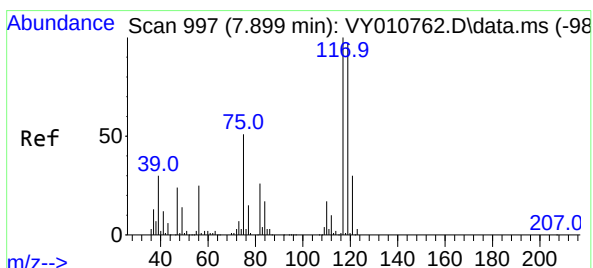
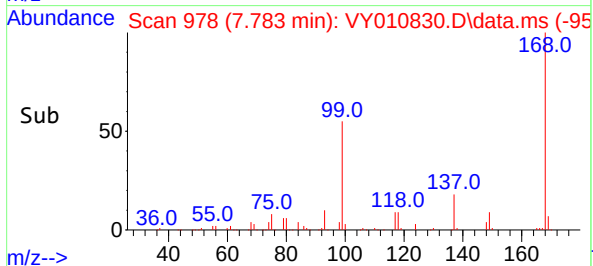
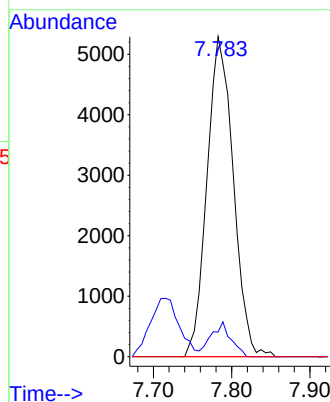
Tgt Ion: 75 Resp: 12353

Ion Ratio Lower Upper

75 100

110 8.1 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.562 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010830.D

Acq: 05 Oct 2022 19:02

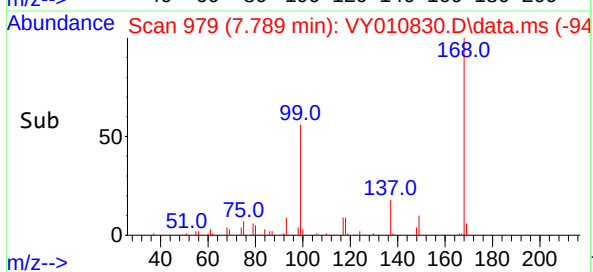
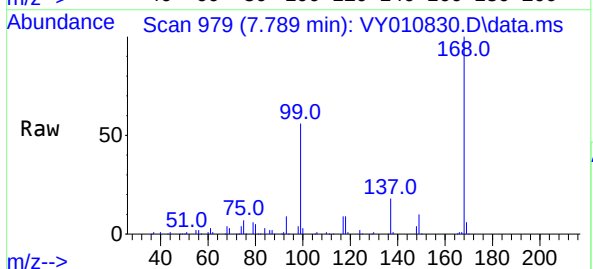
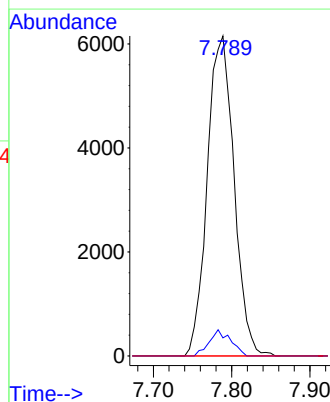
Tgt Ion: 117 Resp: 14628

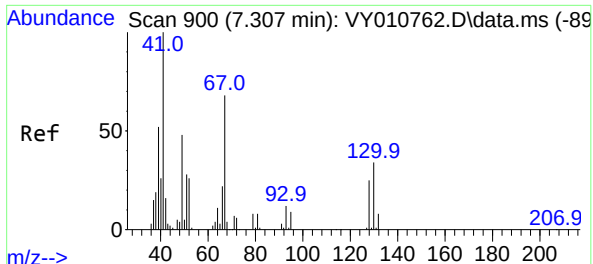
Ion Ratio Lower Upper

117 100

119 5.6 77.9 116.9#

121 0.0 24.8 37.2#

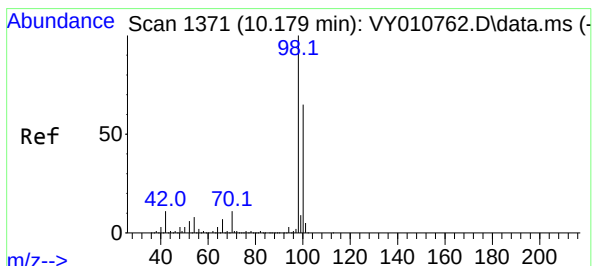
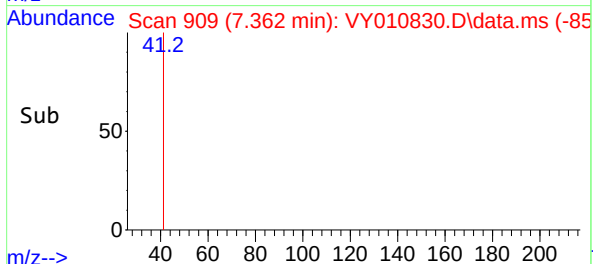
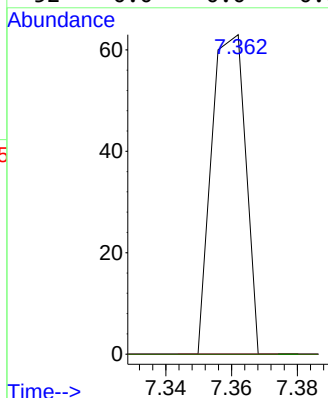
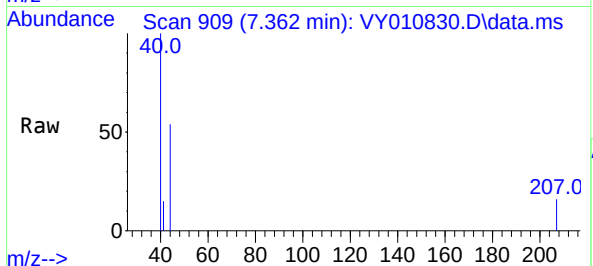




#41
Methacrylonitrile
Concen: 2.640 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.055 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

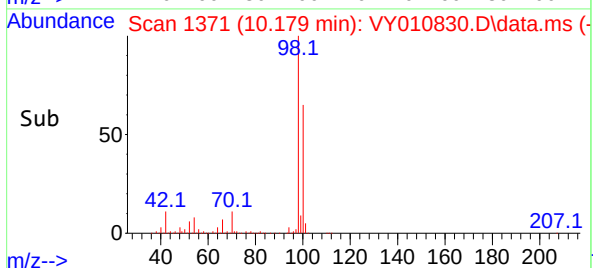
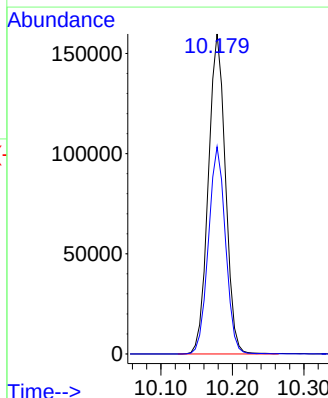
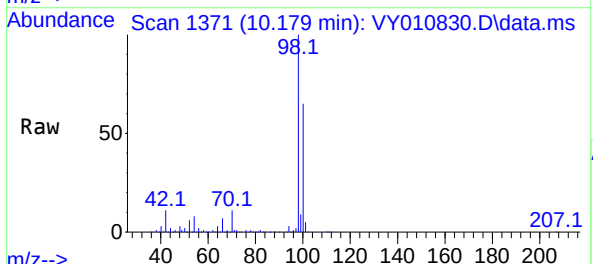
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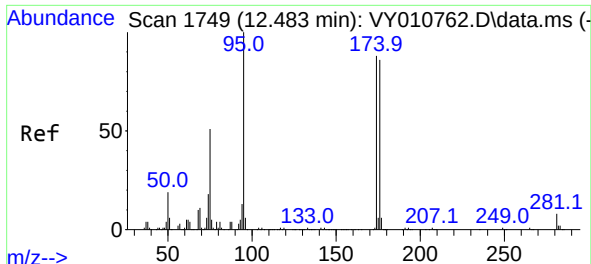
Tgt Ion: 41	Resp: 45
Ion Ratio	Lower Upper
41 100	
39 0.0	92.9 139.3#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 44.348 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

Tgt Ion: 98	Resp: 265279
Ion Ratio	Lower Upper
98 100	
100 64.6	50.2 75.2

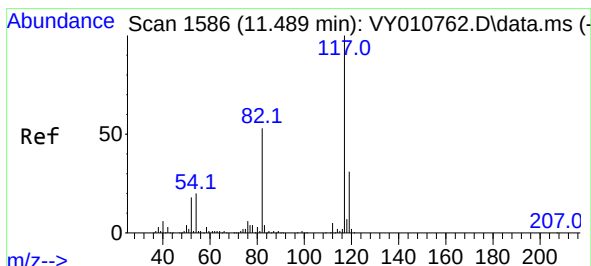
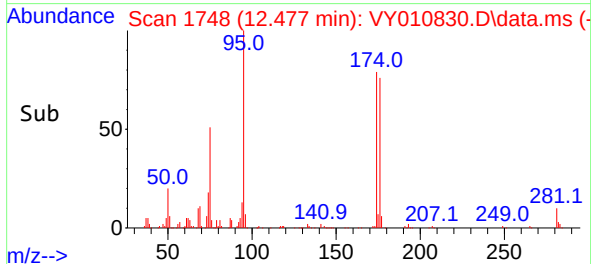
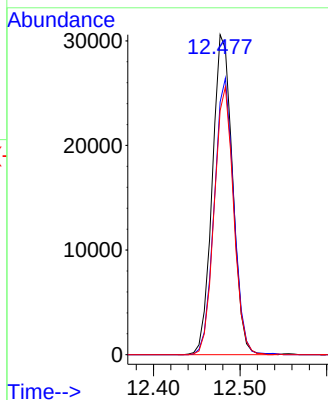
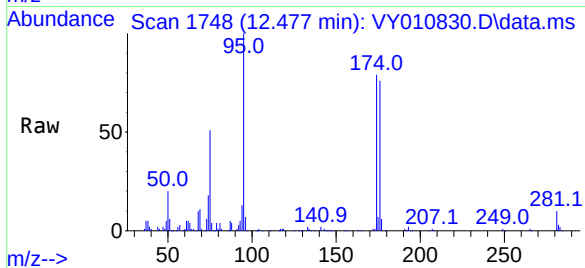




#62
4-Bromofluorobenzene
Concen: 18.931 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

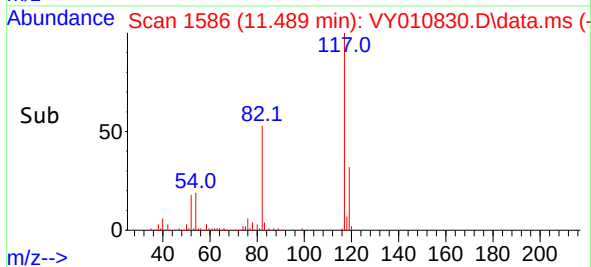
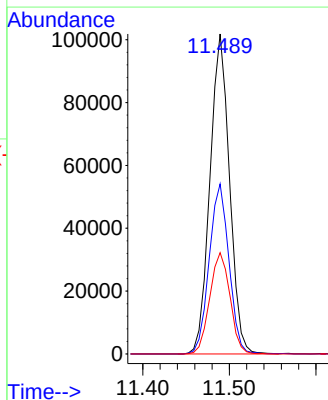
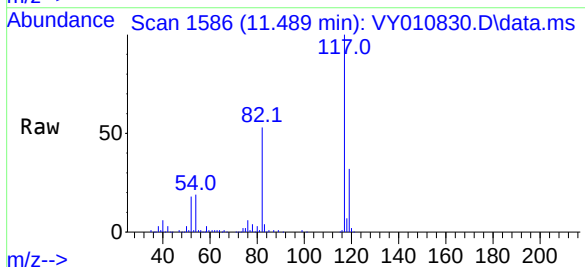
Instrument :
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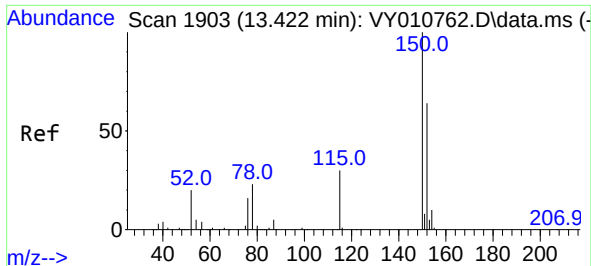
Tgt Ion: 95 Resp: 49583
Ion Ratio Lower Upper
95 100
174 83.6 0.0 177.0
176 80.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

Tgt Ion: 117 Resp: 159785
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 31.7 25.4 38.0

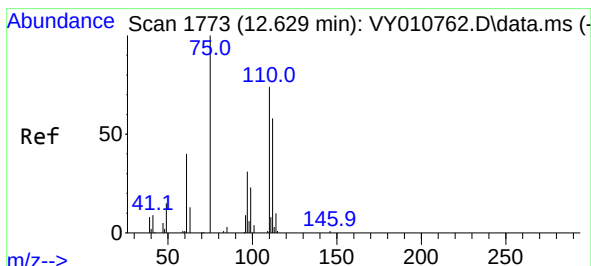
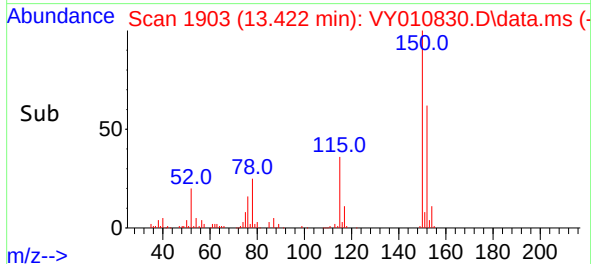
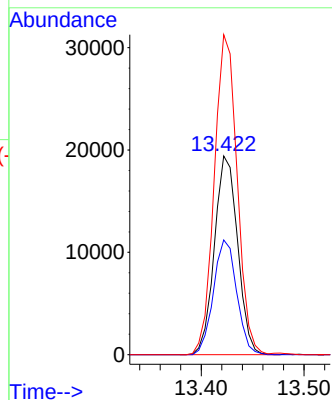
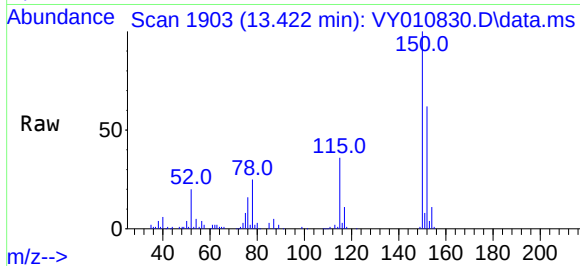




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

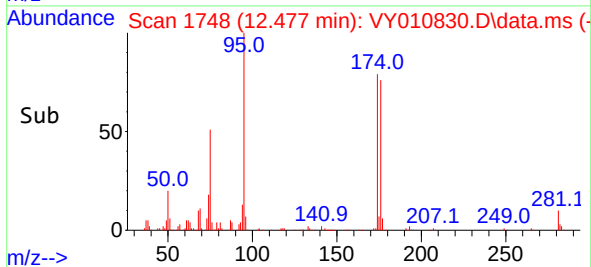
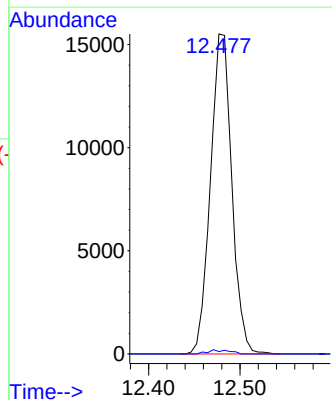
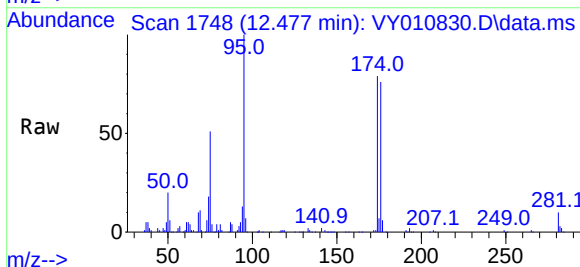
Instrument :
MSVOA_Y
ClientSampleId :
D22008-18

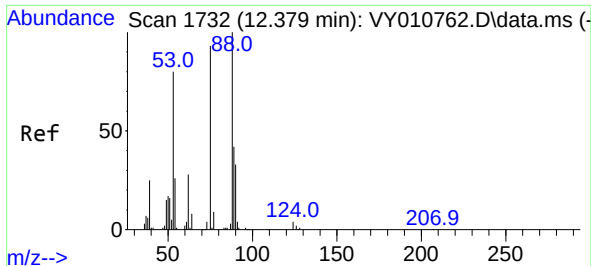
Tgt Ion:152 Resp: 30426
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 159.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 81.760 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010830.D
Acq: 05 Oct 2022 19:02

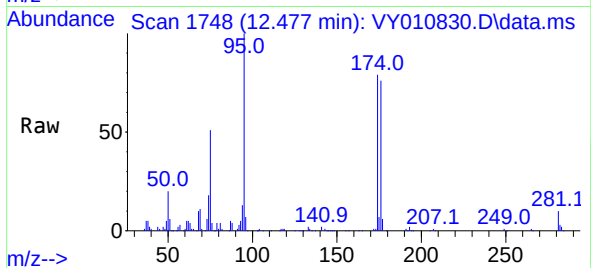
Tgt Ion: 75 Resp: 25192
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.790 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010830.D
 Acq: 05 Oct 2022 19:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22008-18



Tgt Ion: 75 Resp: 25192
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.3 127.9#
 89 0.0 37.0 55.4#

