

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
 Data File : VY010896.D
 Acq On : 10 Oct 2022 17:27
 Operator : KP/MD
 Sample : N5018-01
 Misc : 4.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 09:45:35 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	294982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	509586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	441632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	198395	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	172503	57.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.380%
35) Dibromofluoromethane	7.716	113	168613	49.846	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.700%
50) Toluene-d8	10.179	98	630285	54.484	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.960%
62) 4-Bromofluorobenzene	12.483	95	197363	43.166	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.340%

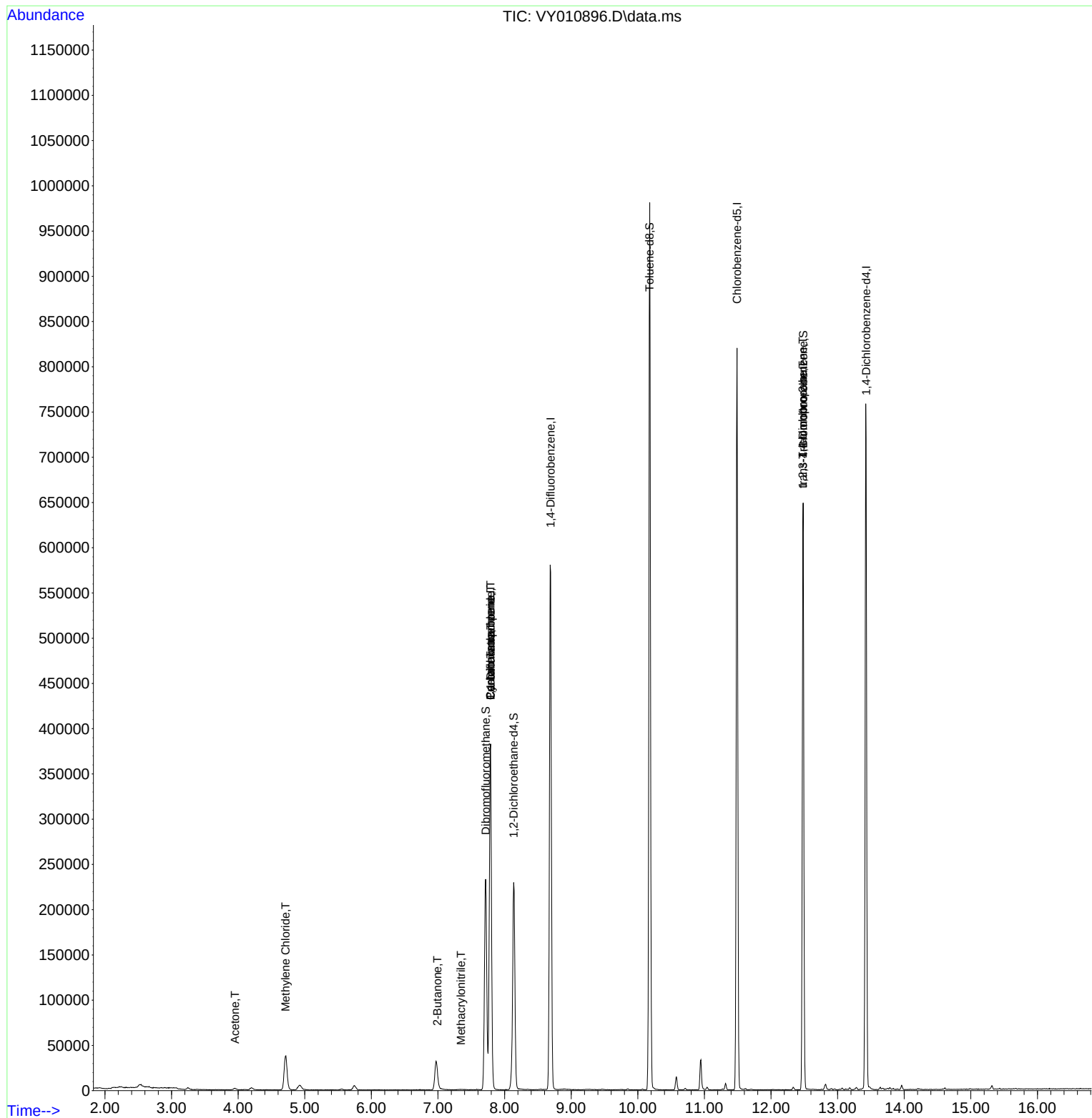
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.924	59	5873	Below Cal	#	77
16) Acetone	3.954	43	3476	4.577	ug/l #	87
20) Methylene Chloride	4.710	84	29905	4.206	ug/l #	80
25) 2-Butanone	6.990	43	2223	2.036	ug/l	99
31) Cyclohexane	7.789	56	5973	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	23133	4.737	ug/l #	50
38) Carbon Tetrachloride	7.789	117	29081	5.718	ug/l #	16
41) Methacrylonitrile	7.344	41	135	2.673	ug/l #	10
76) 1,2,3-Trichloropropane	12.477	75	101209	50.375	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	101209	105.228	ug/l #	7

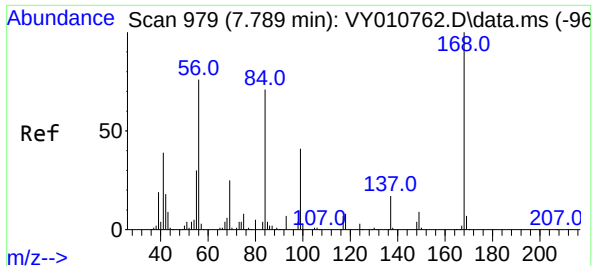
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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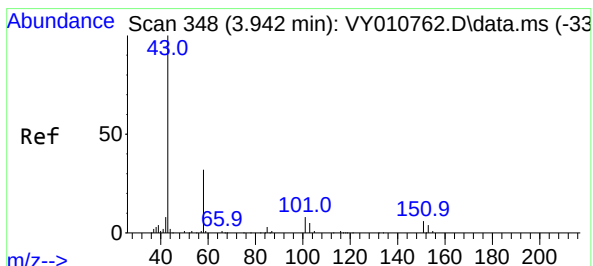
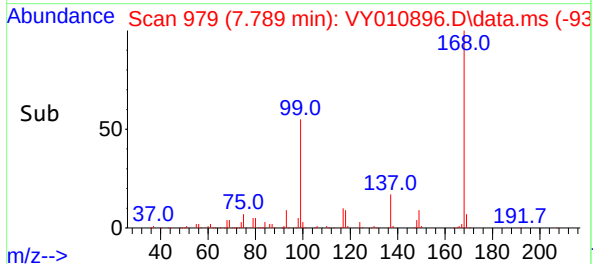
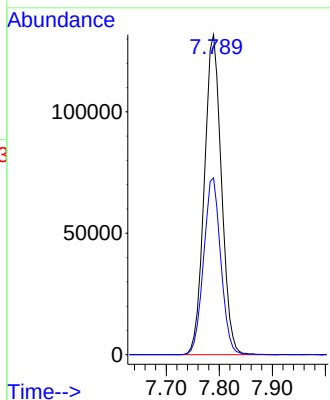
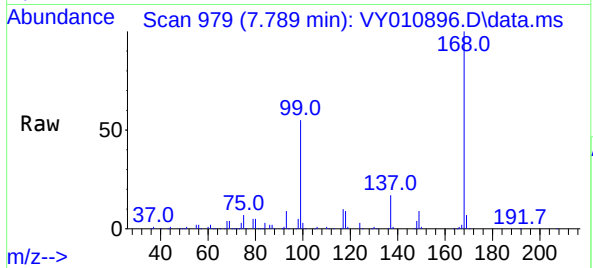




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

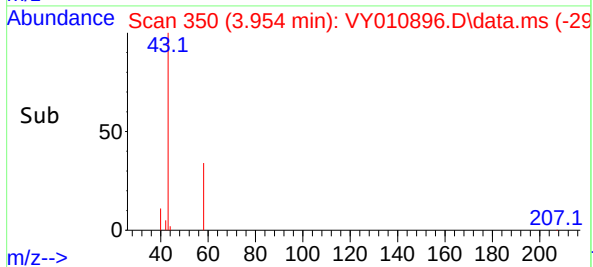
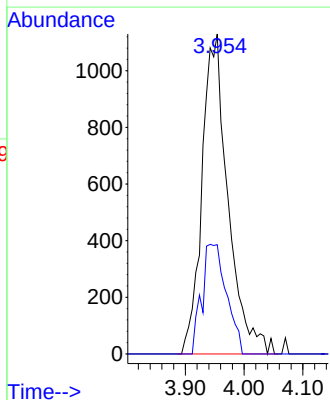
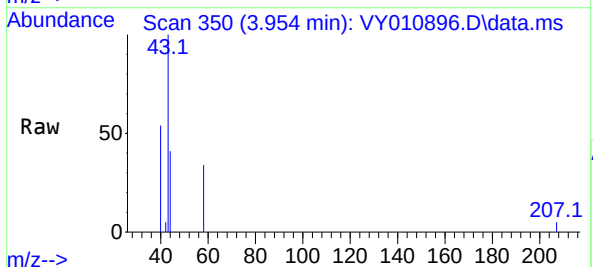
Instrument :
MSVOA_Y
ClientSampleId :

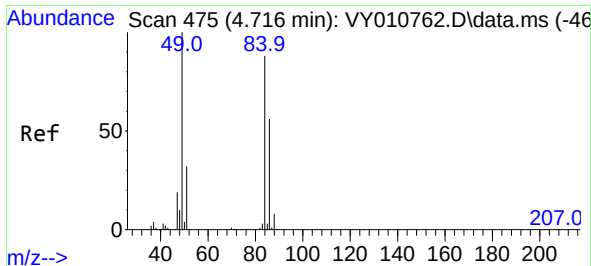
Tgt Ion:168 Resp: 294982
Ion Ratio Lower Upper
168 100
99 55.2 46.9 70.3



#16
Acetone
Concen: 4.577 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

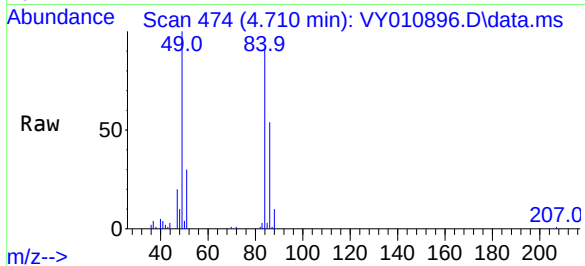
Tgt Ion: 43 Resp: 3476
Ion Ratio Lower Upper
43 100
58 34.2 22.0 33.0#



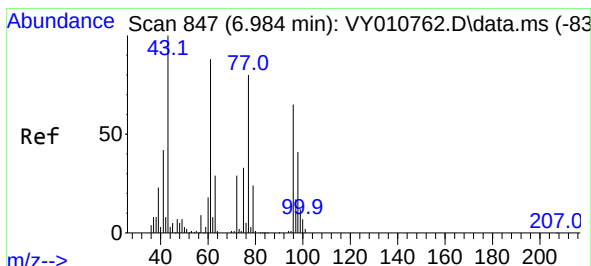
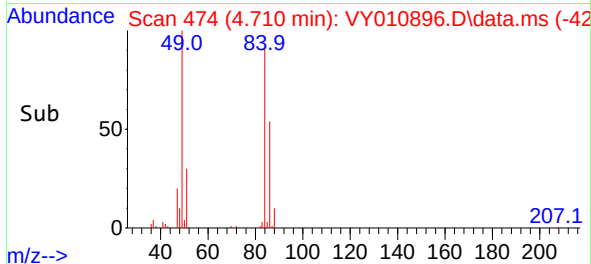
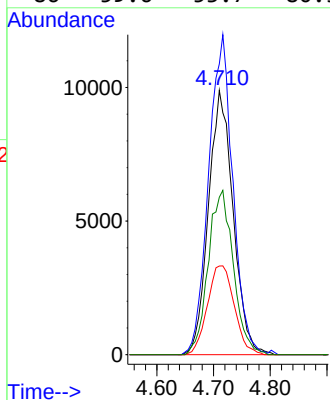


#20
Methylene Chloride
Concen: 4.206 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

Instrument :
MSVOA_Y
ClientSampleId :

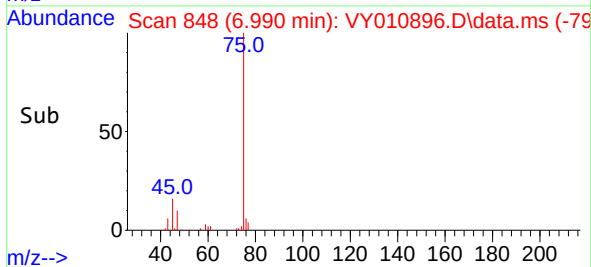
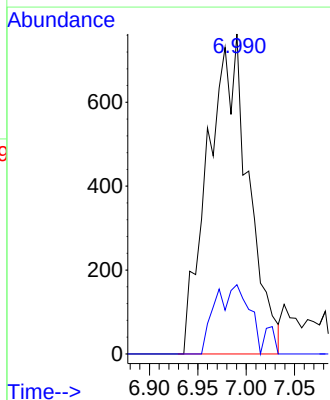
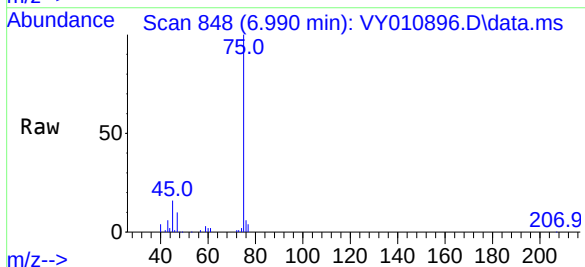


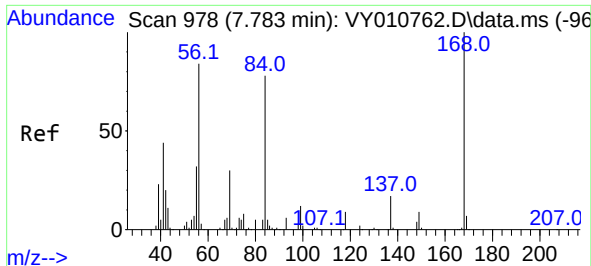
Tgt Ion: 84 Resp: 29905
Ion Ratio Lower Upper
84 100
49 109.9 114.4 171.6#
51 33.5 35.3 52.9#
86 59.6 53.7 80.5



#25
2-Butanone
Concen: 2.036 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

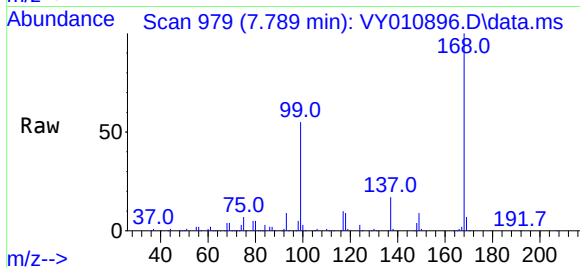
Tgt Ion: 43 Resp: 2223
Ion Ratio Lower Upper
43 100
72 21.6 17.7 26.5



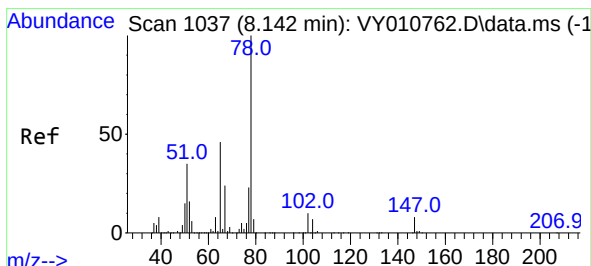
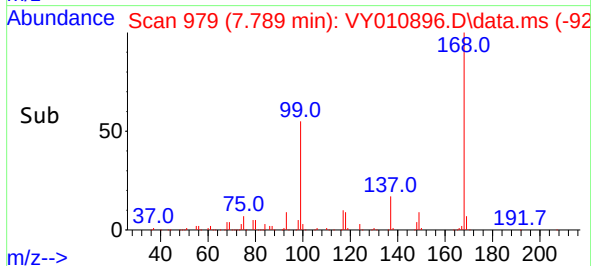
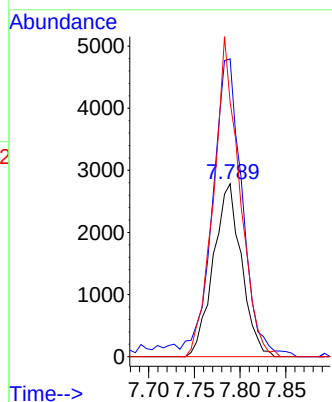


#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

Instrument :
MSVOA_Y
ClientSampleId :

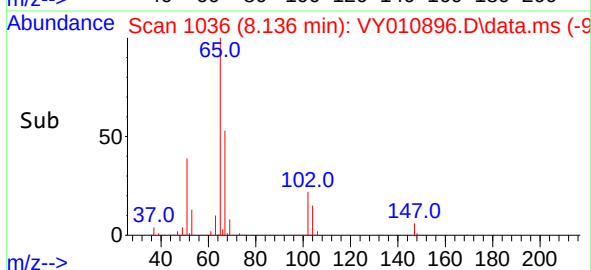
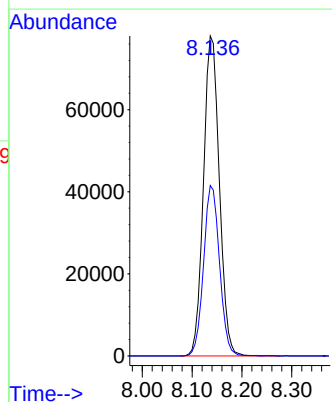
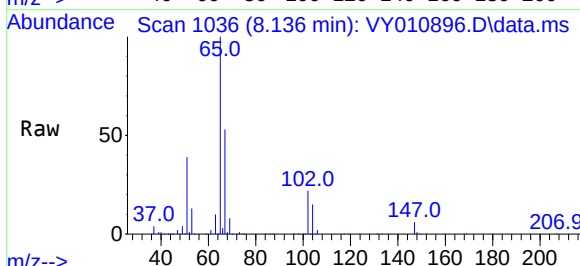


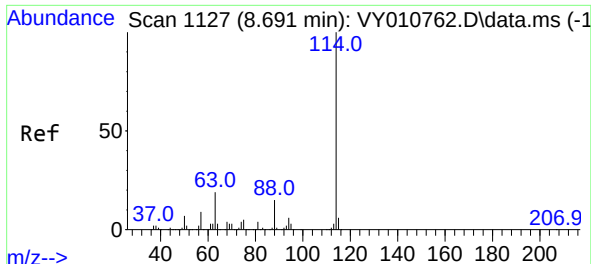
Tgt Ion: 56 Resp: 5973
Ion Ratio Lower Upper
56 100
69 168.9 26.7 40.1#
84 147.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.693 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

Tgt Ion: 65 Resp: 172503
Ion Ratio Lower Upper
65 100
67 53.4 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: VY010896.D

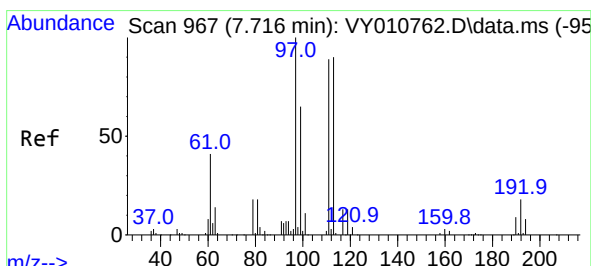
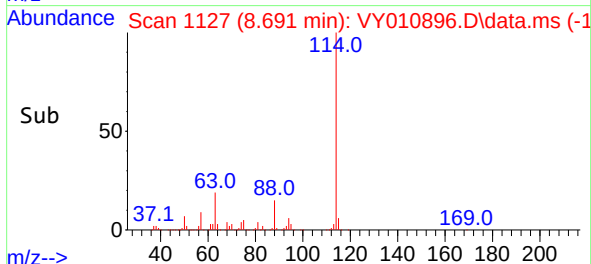
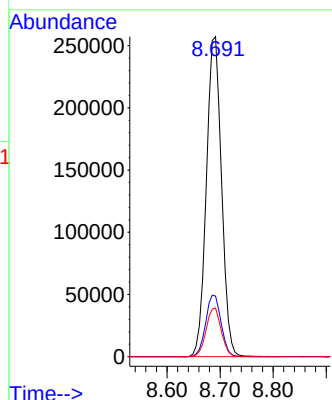
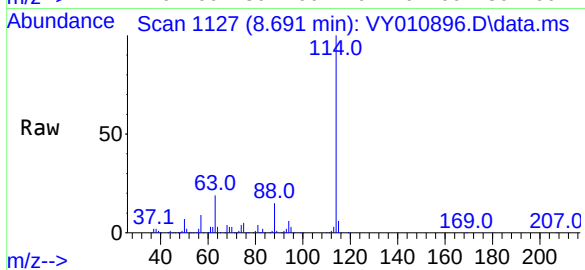
Acq: 10 Oct 2022 17:27

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	114	Resp:	509586
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	43.2
88	15.2	0.0	31.8



#35

Dibromofluoromethane

Concen: 49.846 ug/l

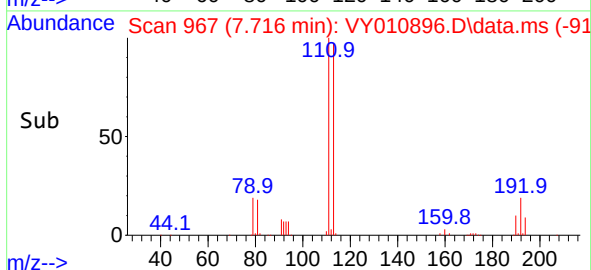
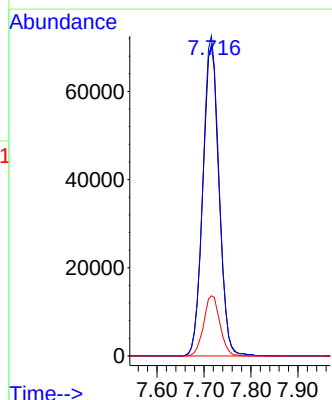
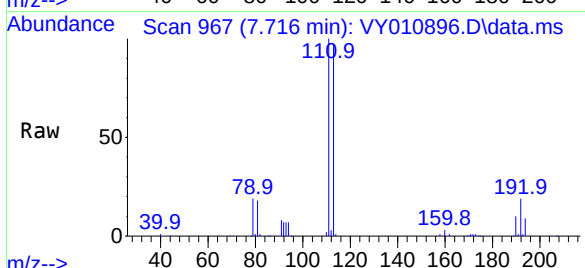
RT: 7.716 min Scan# 967

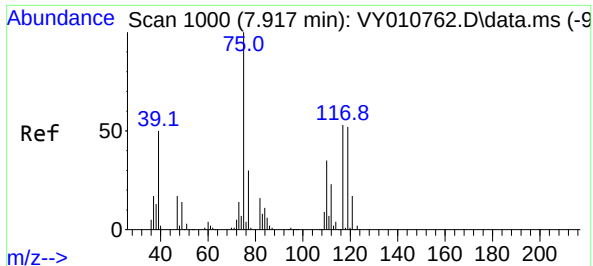
Delta R.T. -0.000 min

Lab File: VY010896.D

Acq: 10 Oct 2022 17:27

Tgt Ion:	113	Resp:	168613
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	124.0
192	19.5	17.6	26.4

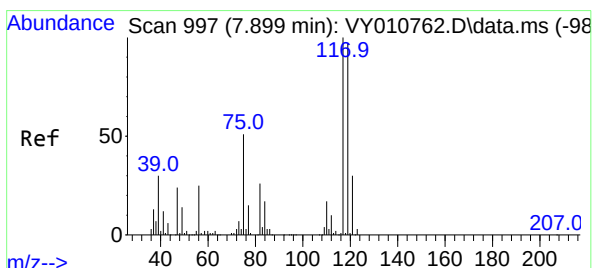
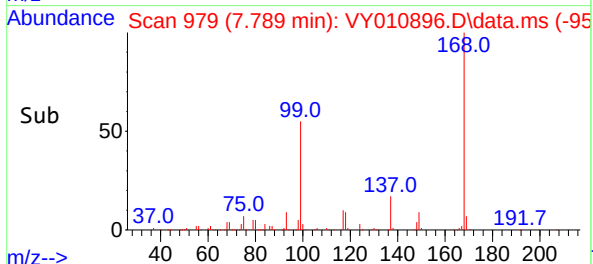
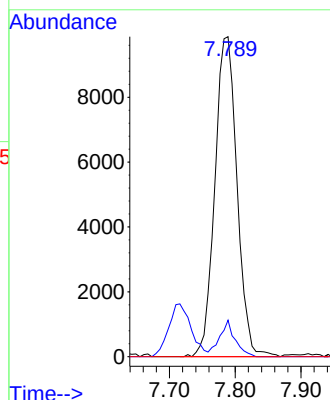
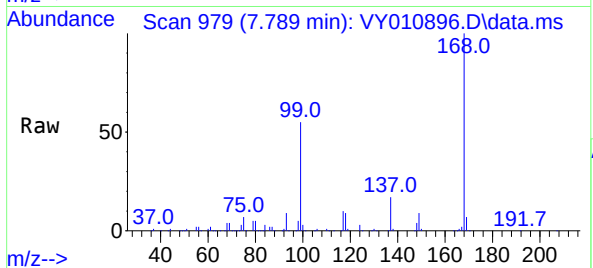




#36
1,1-Dichloropropene
Concen: 4.737 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

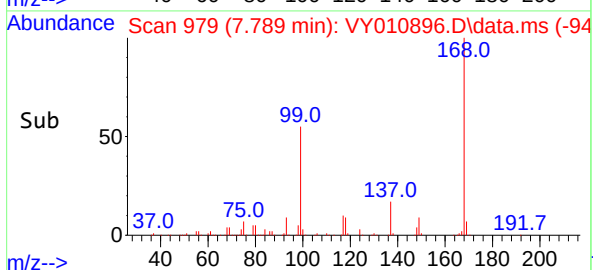
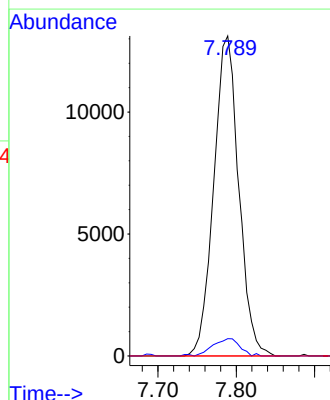
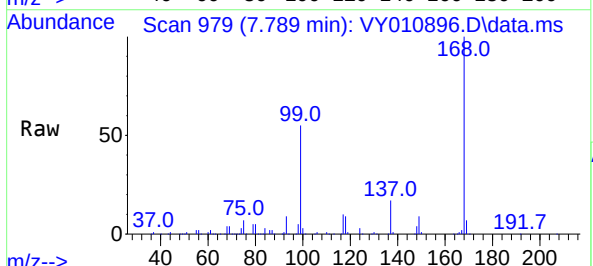
Instrument :
MSVOA_Y
ClientSampleId :

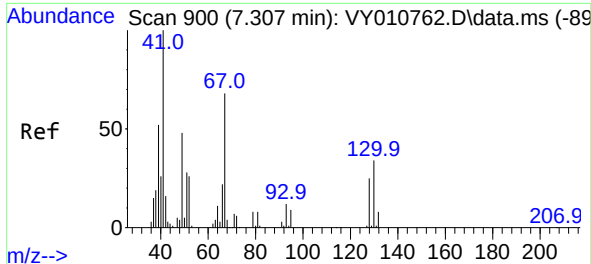
Tgt Ion: 75 Resp: 23133
Ion Ratio Lower Upper
75 100
110 7.9 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.718 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

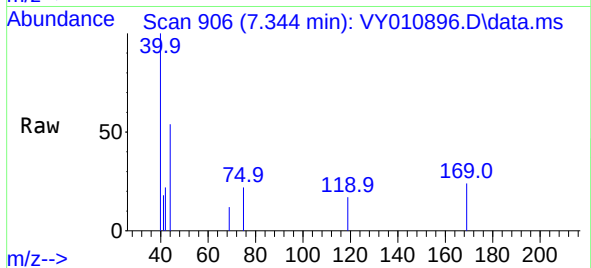
Tgt Ion:117 Resp: 29081
Ion Ratio Lower Upper
117 100
119 5.4 77.9 116.9#
121 0.0 24.8 37.2#



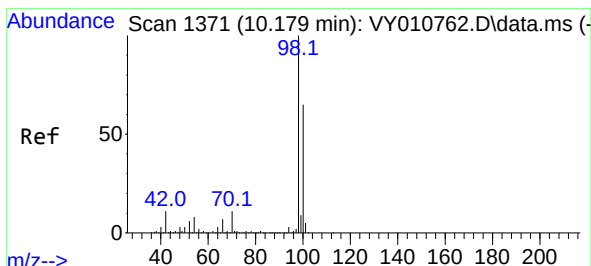
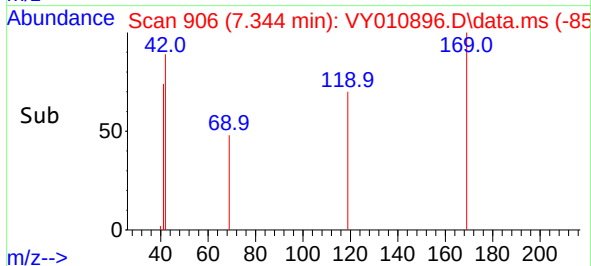
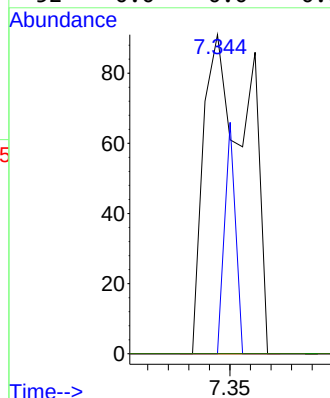


#41
Methacrylonitrile
Concen: 2.673 ug/l
RT: 7.344 min Scan# 900
Delta R.T. 0.037 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

Instrument :
MSVOA_Y
ClientSampleId :

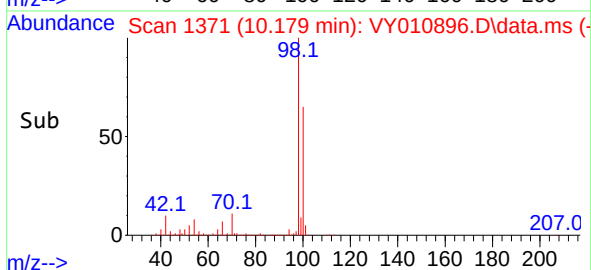
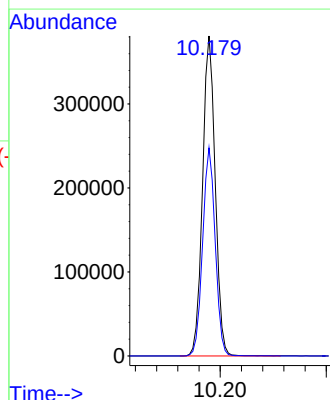
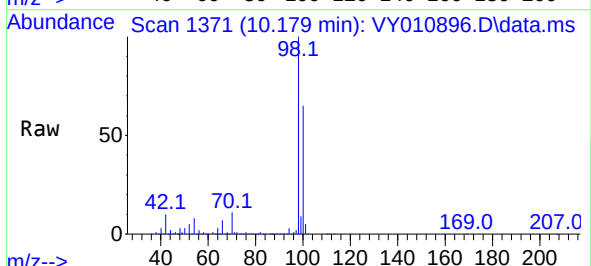


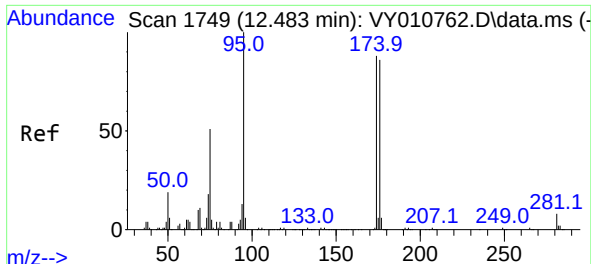
Tgt Ion: 41	Resp: 135
Ion Ratio	Lower Upper
41	100
39	17.8 92.9 139.3#
67	0.0 0.0 0.0
52	0.0 0.0 0.0



#50
Toluene-d8
Concen: 54.484 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

Tgt Ion: 98	Resp: 630285
Ion Ratio	Lower Upper
98	100
100	64.7 50.2 75.2

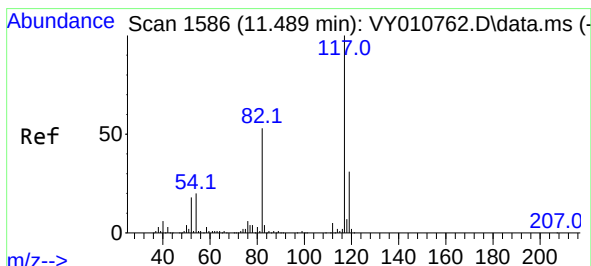
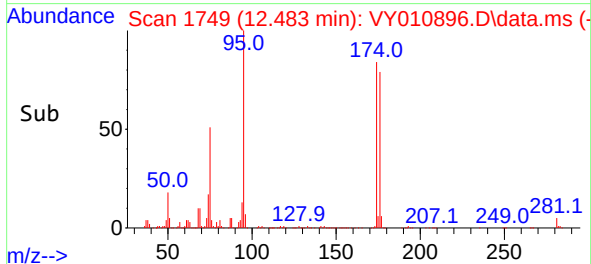
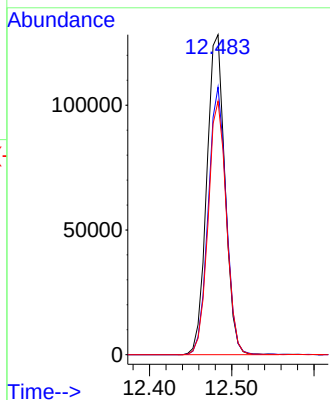
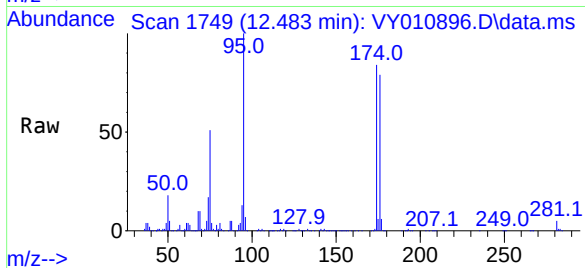




#62
4-Bromofluorobenzene
Concen: 43.166 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

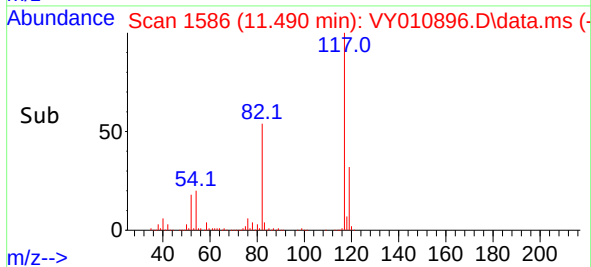
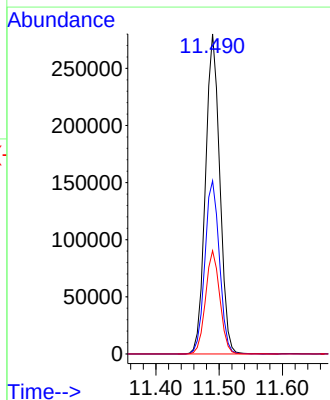
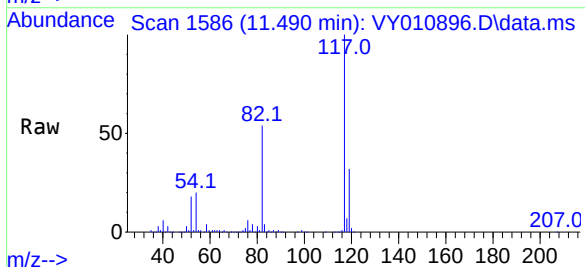
Instrument :
MSVOA_Y
ClientSampleId :

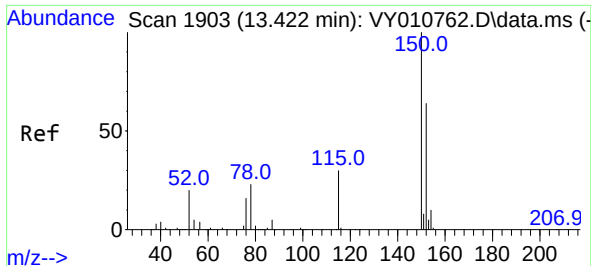
Tgt Ion: 95 Resp: 197363
Ion Ratio Lower Upper
95 100
174 82.6 0.0 177.0
176 79.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

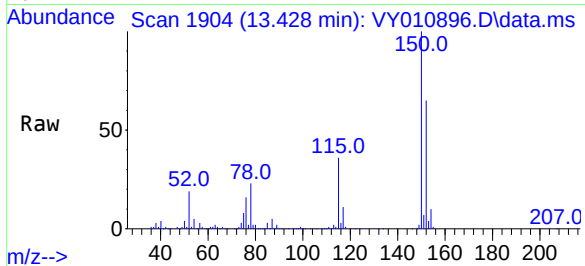
Tgt Ion: 117 Resp: 441632
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.3 25.4 38.0



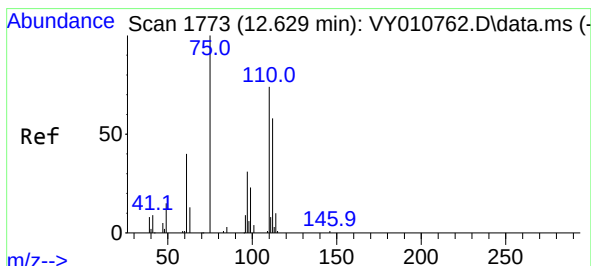
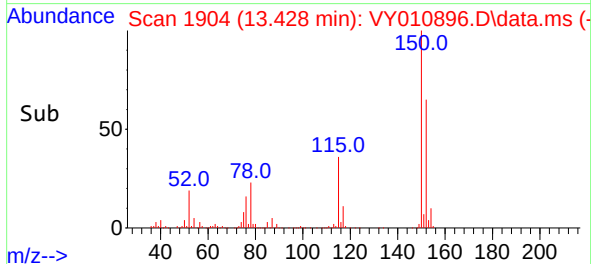
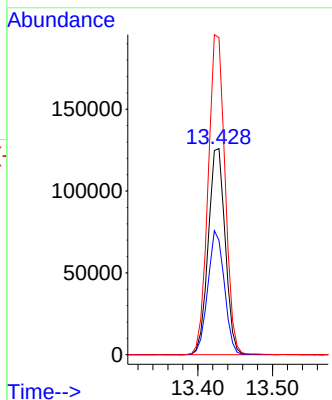


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

Instrument :
MSVOA_Y
ClientSampleId :

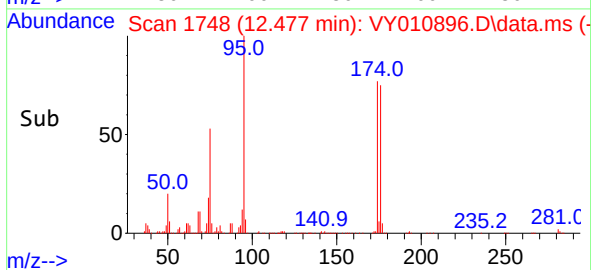
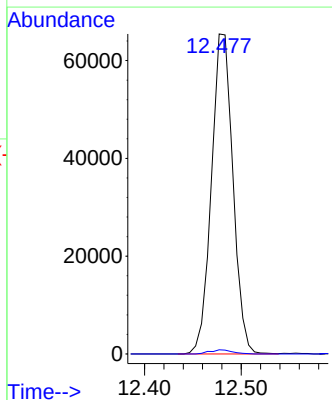
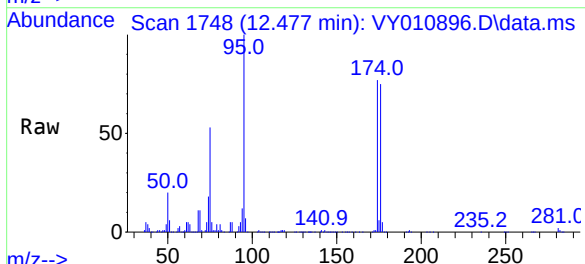


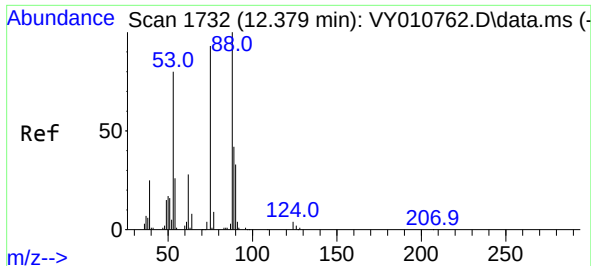
Tgt Ion:152 Resp: 198395
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 154.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 50.375 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

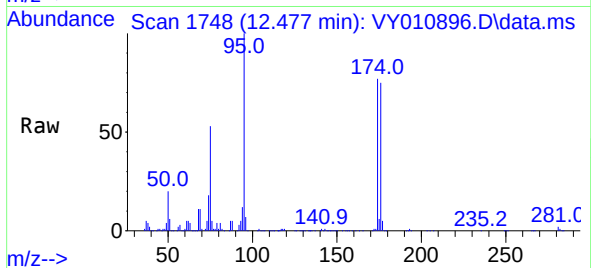
Tgt Ion: 75 Resp: 101209
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 105.228 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY010896.D
Acq: 10 Oct 2022 17:27

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 101209
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

