

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010818.D
 Acq On : 05 Oct 2022 14:31
 Operator : KP/MD
 Sample : N4960-03RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-02-100322RE

Quant Time: Oct 06 09:18:12 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)

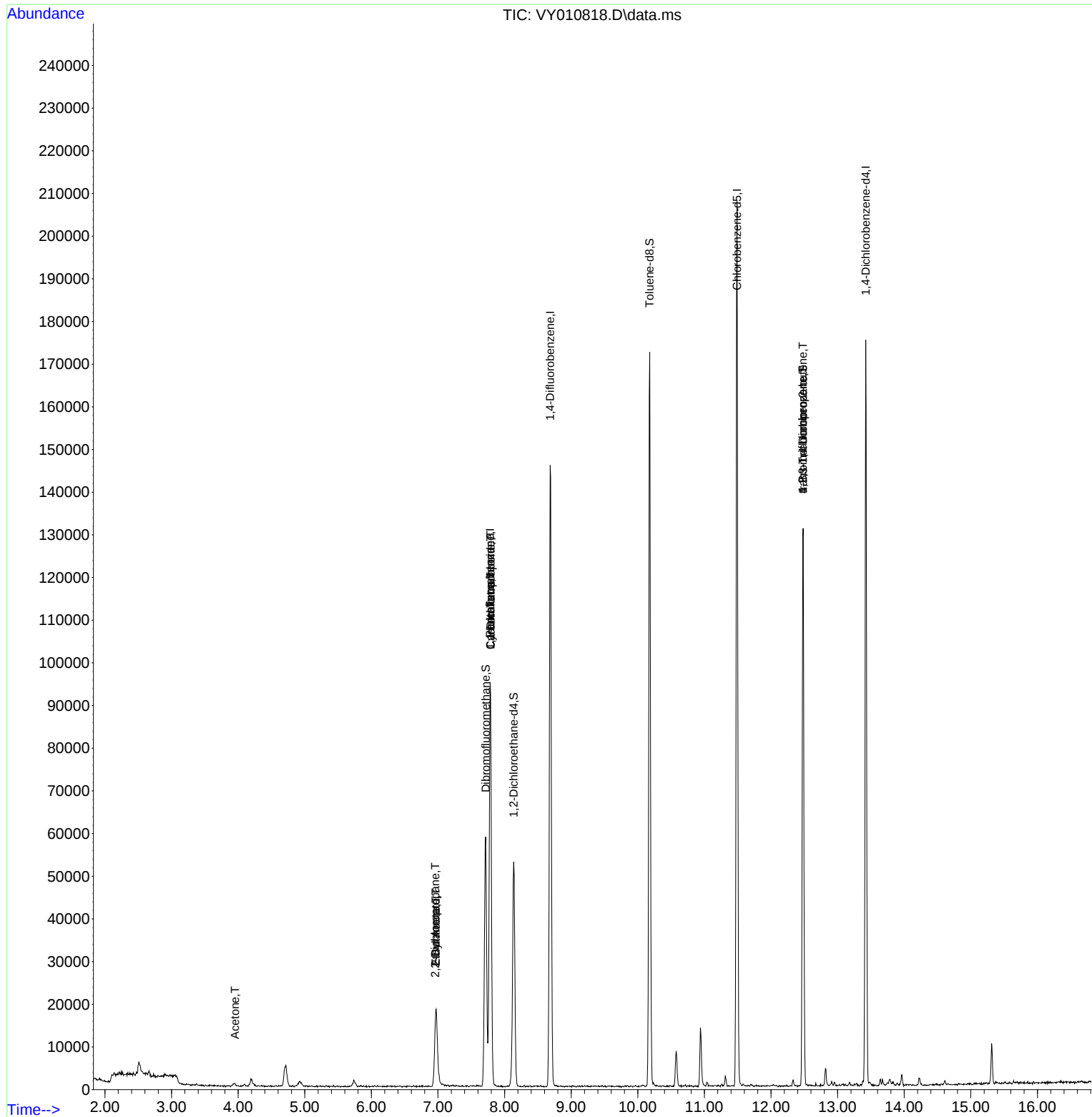
Internal Standards						
1) Pentafluorobenzene	7.783	168	73330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	126391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	112918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	44689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	40377	54.322	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.640%			
35) Dibromofluoromethane	7.716	113	40987	48.853	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.700%			
50) Toluene-d8	10.179	98	113895	39.695	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 79.380%			
62) 4-Bromofluorobenzene	12.477	95	40619	35.142	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 70.280%			
Target Compounds						
11) Tert butyl alcohol	4.917	59	1434	Below Cal	#	77
16) Acetone	3.954	43	1361	7.210	ug/l	98
20) Methylene Chloride	4.704	84	4030	Below Cal	#	75
25) 2-Butanone	6.966	43	686	2.528	ug/l	# 54
26) 2,2-Dichloropropane	6.960	77	1393	1.059	ug/l	# 55
31) Cyclohexane	7.789	56	1586	1.192	ug/l	# 24
36) 1,1-Dichloropropene	7.789	75	5847	4.828	ug/l	# 50
37) Ethyl Acetate	6.966	43	686	1.154	ug/l	# 1
38) Carbon Tetrachloride	7.789	117	7177	5.689	ug/l	# 14
76) 1,2,3-Trichloropropane	12.477	75	20586	45.488	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	20586	95.020	ug/l	# 7

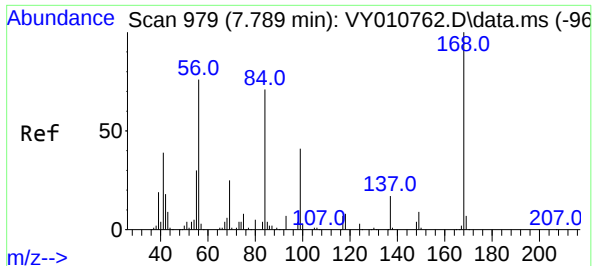
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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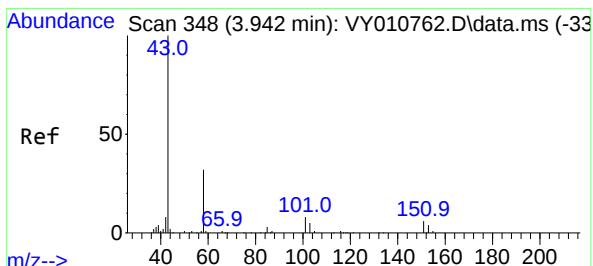
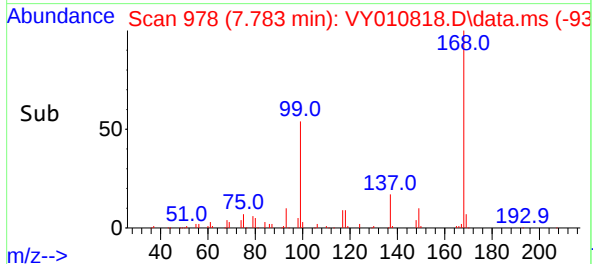
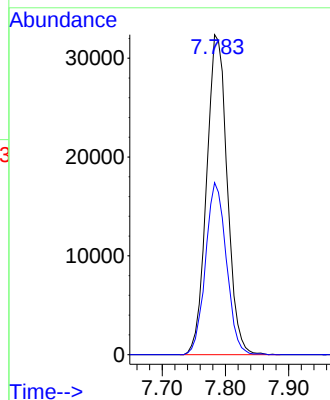
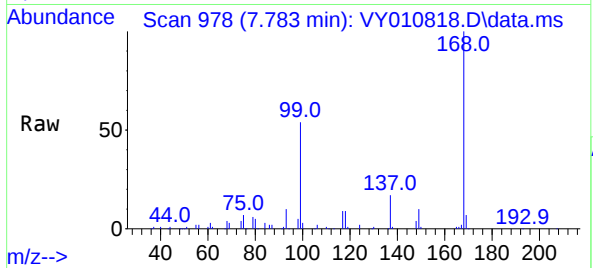




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

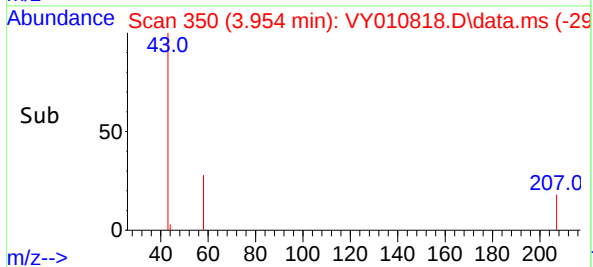
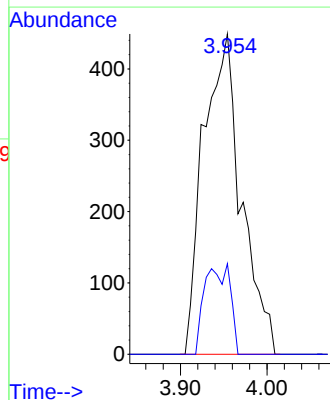
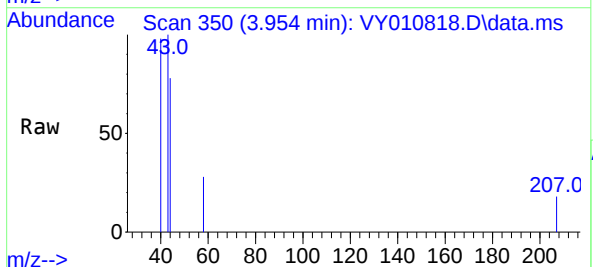
Instrument :
MSVOA_Y
ClientSampleId :
PAT-02-100322RE

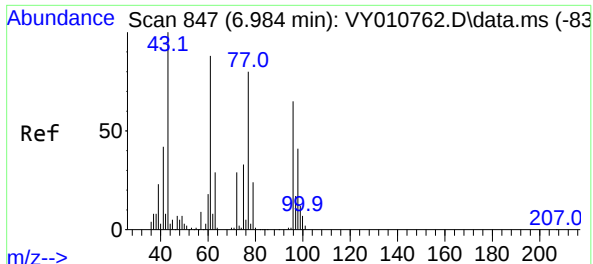
Tgt Ion:168 Resp: 73330
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#16
Acetone
Concen: 7.210 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

Tgt Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
58 28.3 22.0 33.0





#25

2-Butanone

Concen: 2.528 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY010818.D

Acq: 05 Oct 2022 14:31

Instrument :

MSVOA_Y

ClientSampleId :

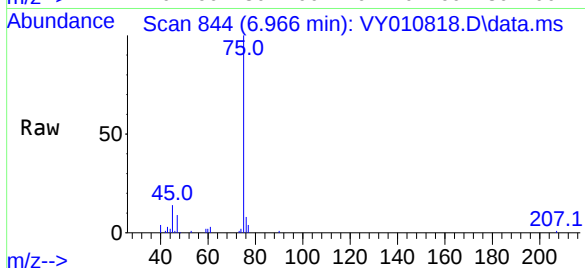
PAT-02-100322RE

Tgt Ion: 43 Resp: 686

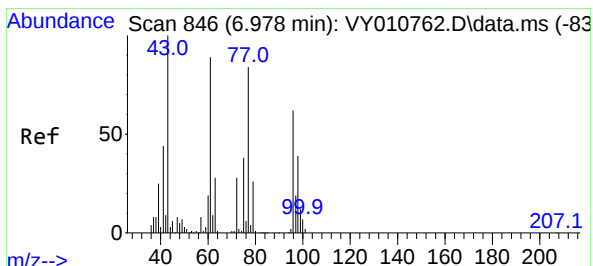
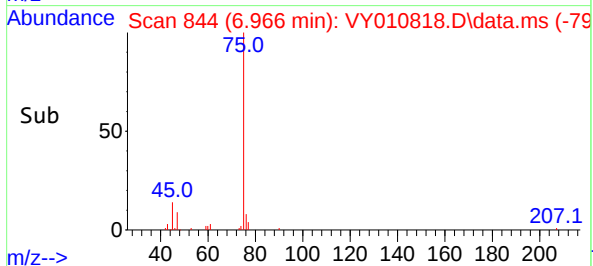
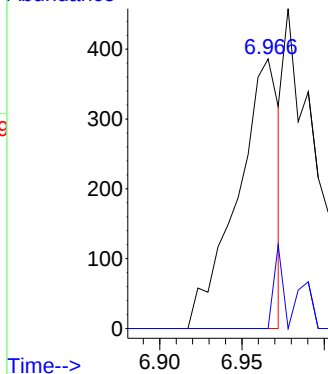
Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



Abundance



#26

2,2-Dichloropropane

Concen: 1.059 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.018 min

Lab File: VY010818.D

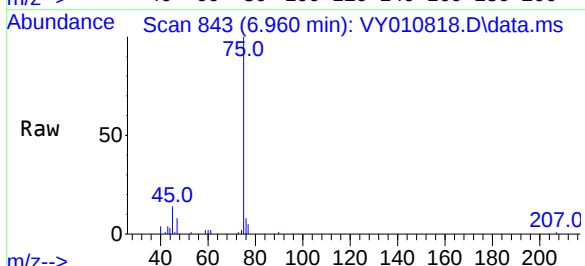
Acq: 05 Oct 2022 14:31

Tgt Ion: 77 Resp: 1393

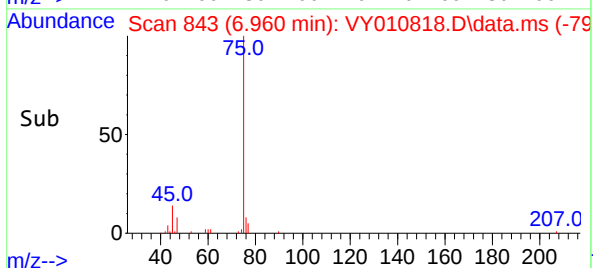
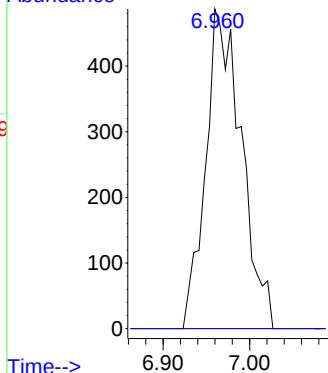
Ion Ratio Lower Upper

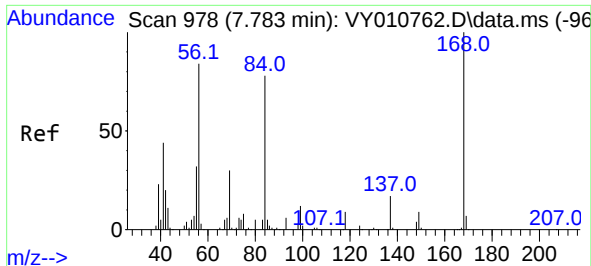
77 100

97 0.0 10.4 31.4#



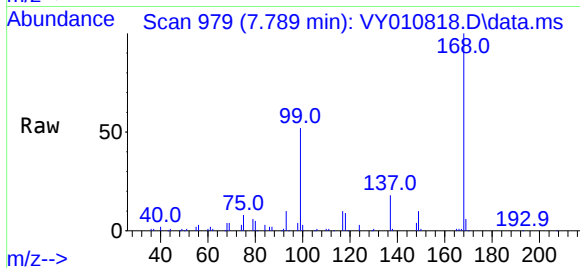
Abundance



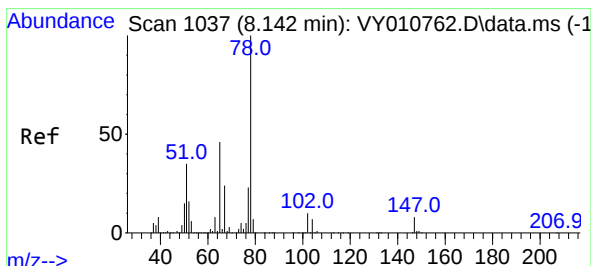
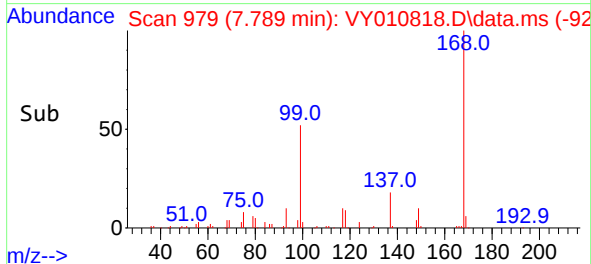
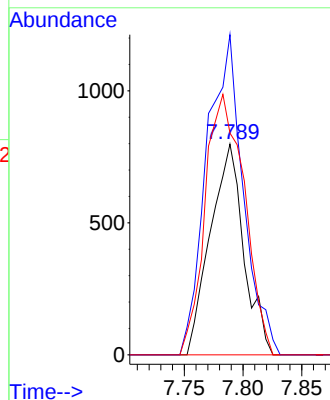


#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :
PAT-02-100322RE

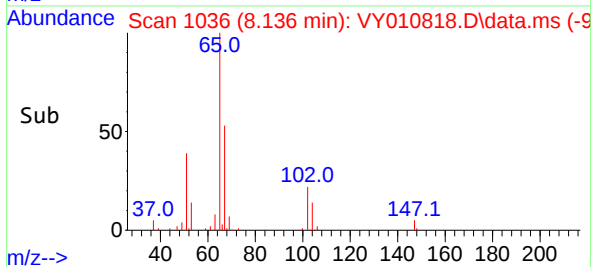
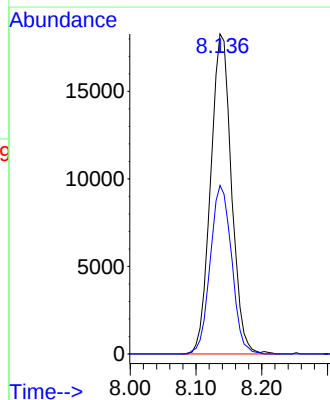
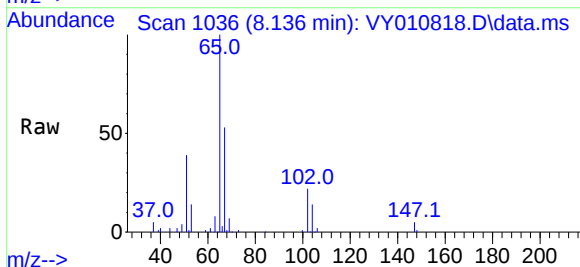


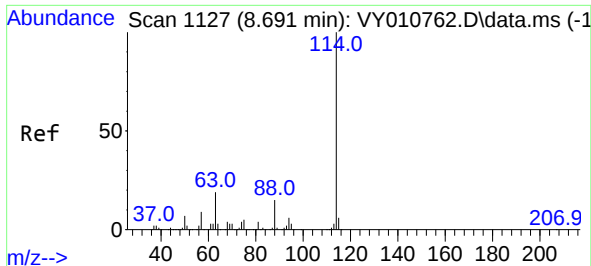
Tgt Ion: 56 Resp: 1586
Ion Ratio Lower Upper
56 100
69 152.0 26.7 40.1#
84 105.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.322 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

Tgt Ion: 65 Resp: 40377
Ion Ratio Lower Upper
65 100
67 53.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010818.D

Acq: 05 Oct 2022 14:31

Instrument :

MSVOA_Y

ClientSampleId :

PAT-02-100322RE

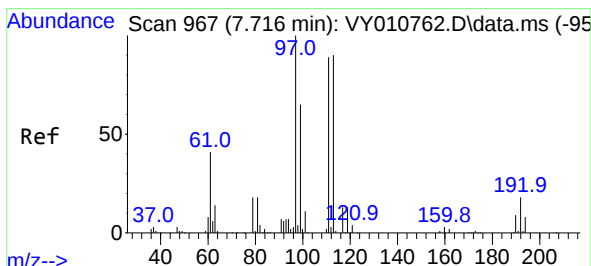
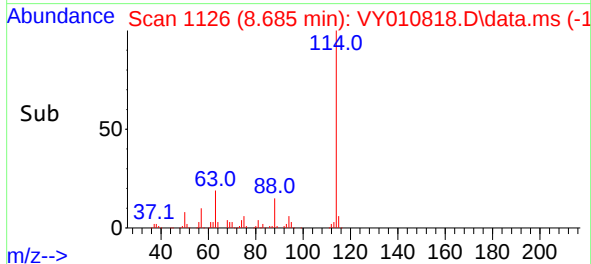
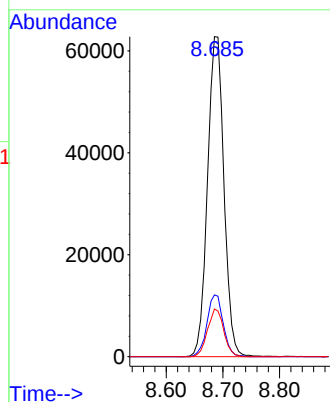
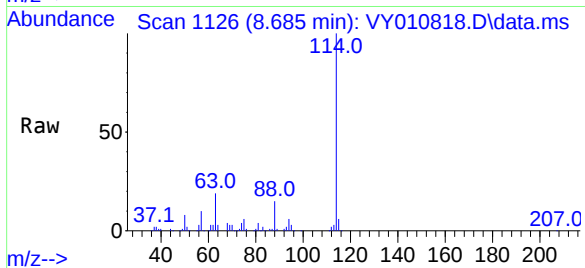
Tgt Ion:114 Resp: 126391

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.853 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010818.D

Acq: 05 Oct 2022 14:31

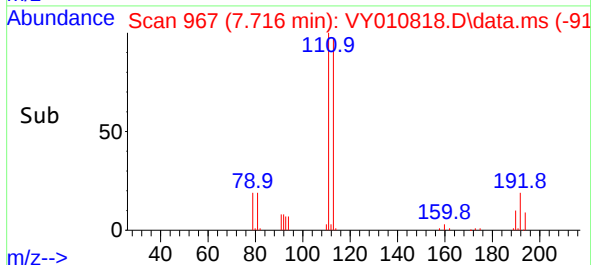
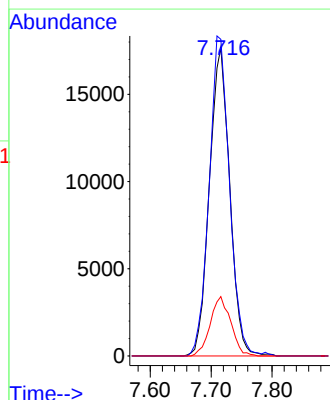
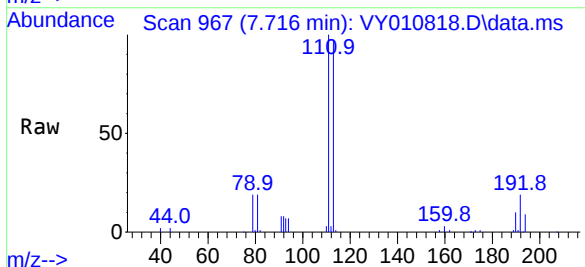
Tgt Ion:113 Resp: 40987

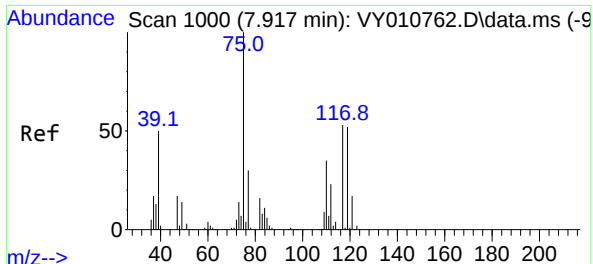
Ion Ratio Lower Upper

113 100

111 104.2 82.6 124.0

192 19.5 17.6 26.4

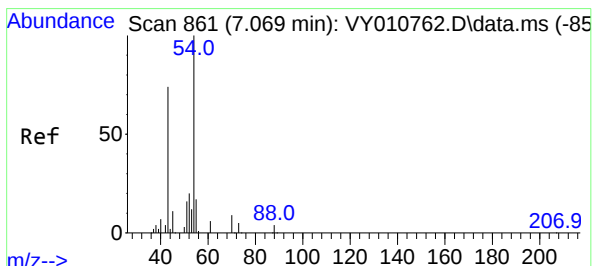
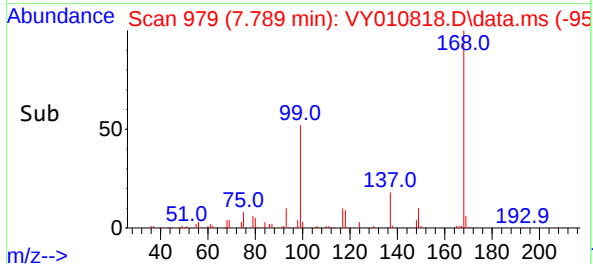
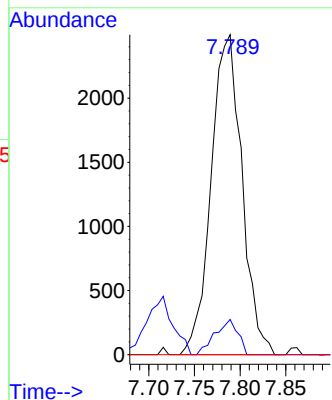
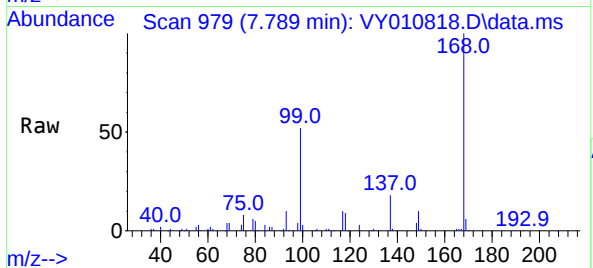




#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

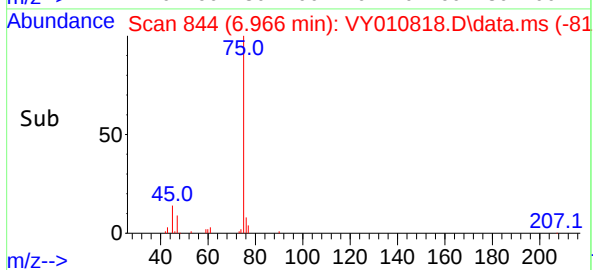
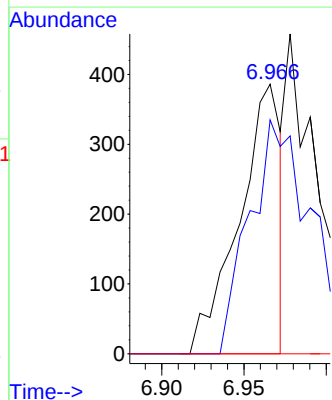
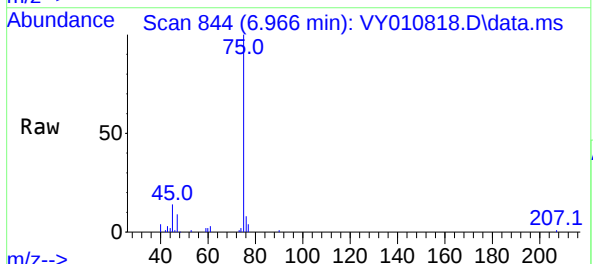
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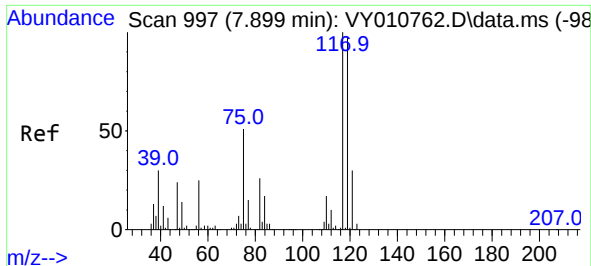
Tgt Ion: 75 Resp: 5847
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.154 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.103 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

Tgt Ion: 43 Resp: 686
Ion Ratio Lower Upper
43 100
61 127.1 9.7 14.5#
70 0.0 7.1 10.7#

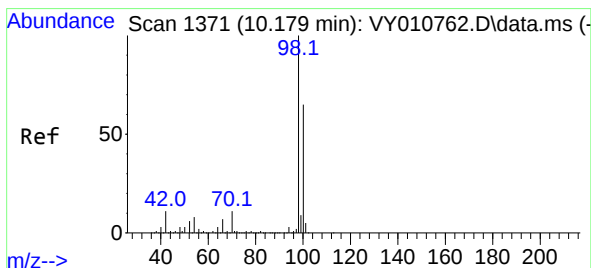
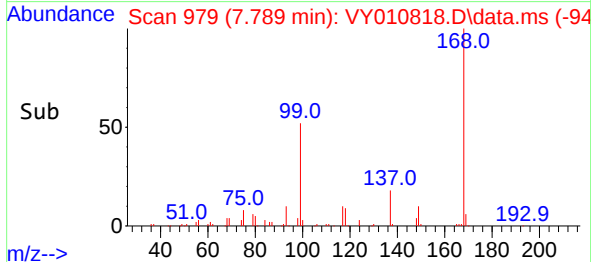
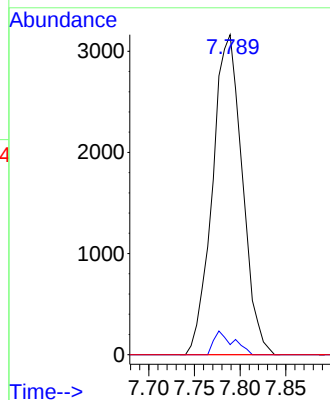
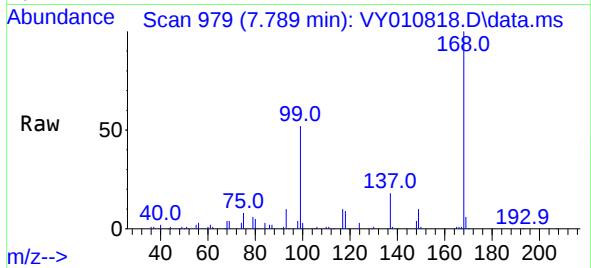




#38
Carbon Tetrachloride
Concen: 5.689 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

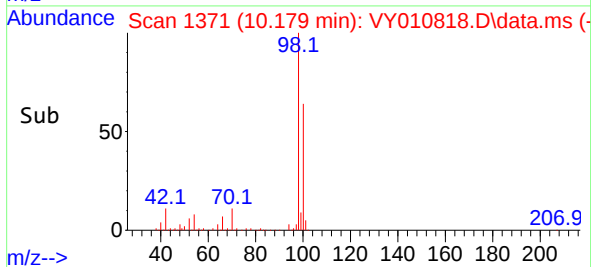
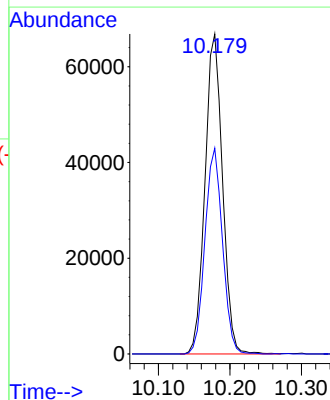
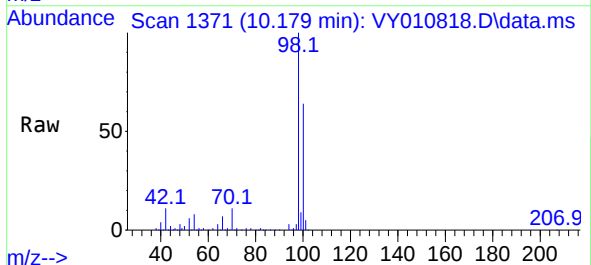
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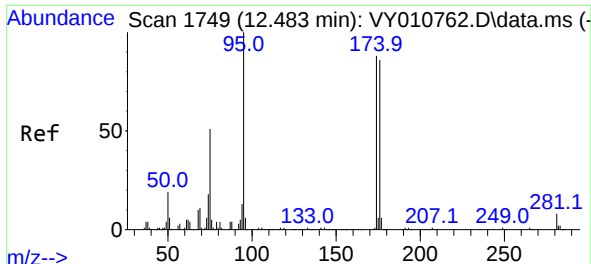
Tgt Ion:117 Resp: 7177
Ion Ratio Lower Upper
117 100
119 3.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 39.695 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

Tgt Ion: 98 Resp: 113895
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2

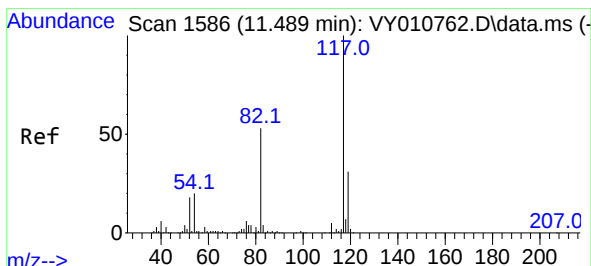
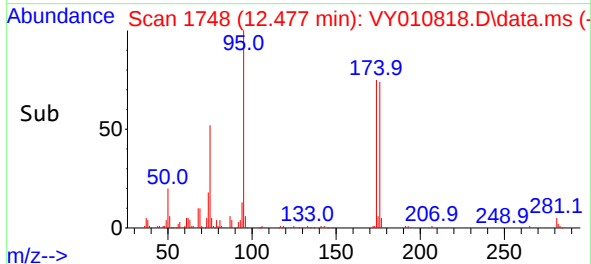
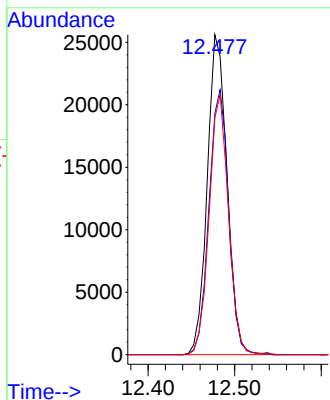
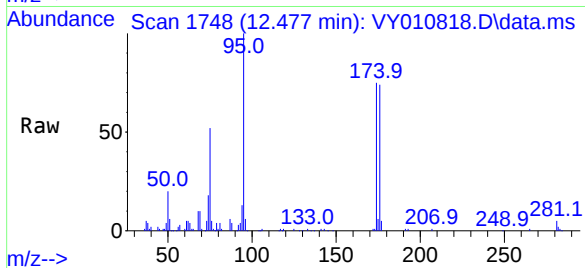




#62
4-Bromofluorobenzene
Concen: 35.142 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

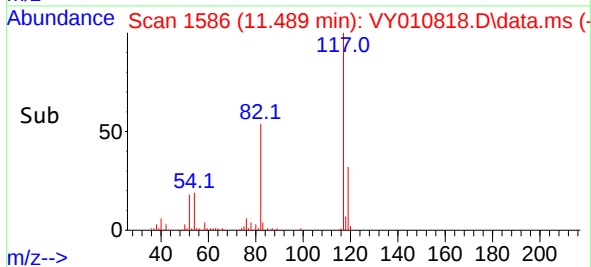
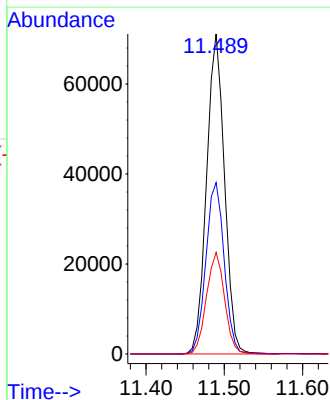
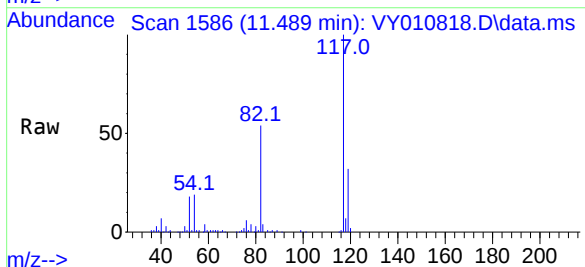
Instrument :
MSVOA_Y
ClientSampleId :
PAT-02-100322RE

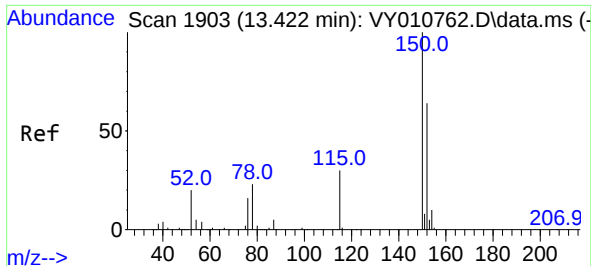
Tgt Ion: 95 Resp: 40619
Ion Ratio Lower Upper
95 100
174 82.6 0.0 177.0
176 79.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

Tgt Ion: 117 Resp: 112918
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 31.7 25.4 38.0

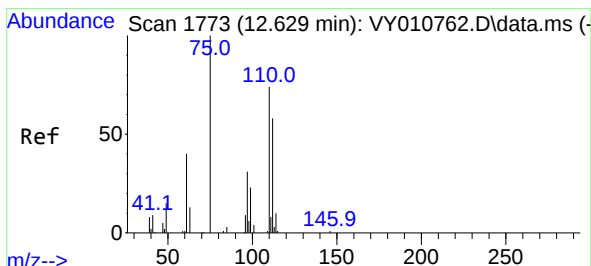
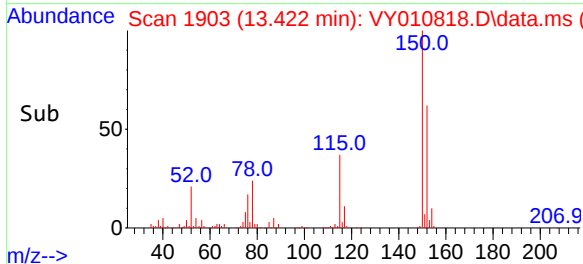
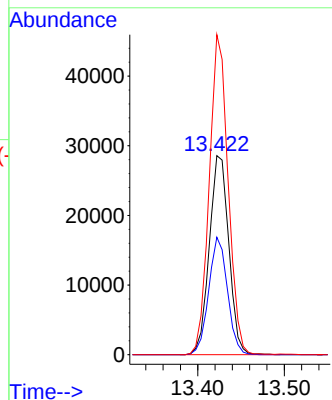
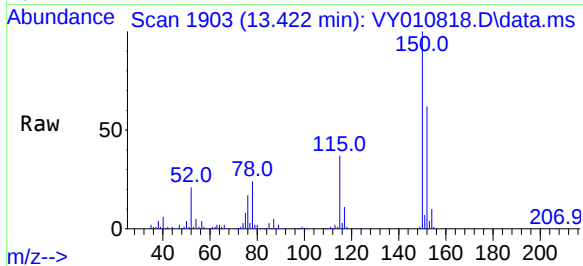




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

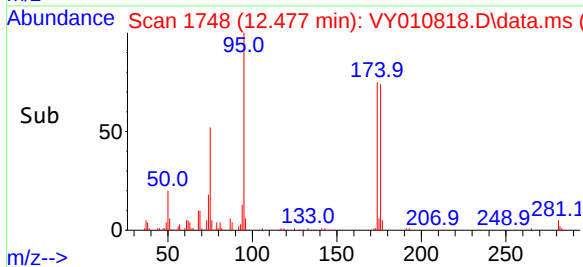
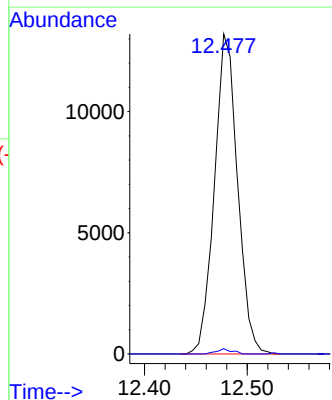
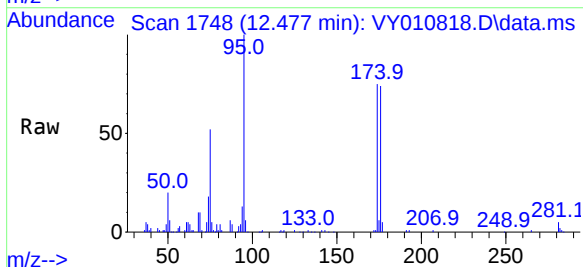
Instrument :
MSVOA_Y
ClientSampleId :
PAT-02-100322RE

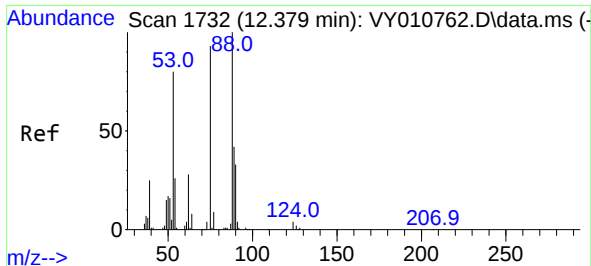
Tgt Ion:152 Resp: 44689
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.7
150 155.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 45.488 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

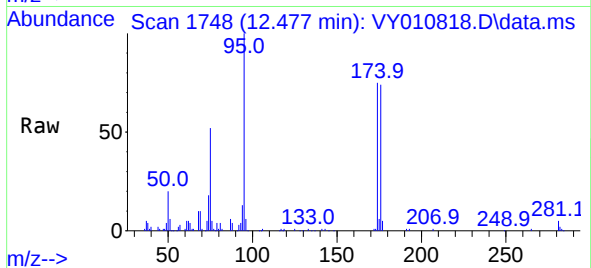
Tgt Ion: 75 Resp: 20586
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 95.020 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY010818.D
Acq: 05 Oct 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :
PAT-02-100322RE



Tgt Ion: 75 Resp: 20586
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

