

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010869.D
 Acq On : 07 Oct 2022 14:12
 Operator : KP/MD
 Sample : N5046-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-5

Quant Time: Oct 08 04:46:59 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)

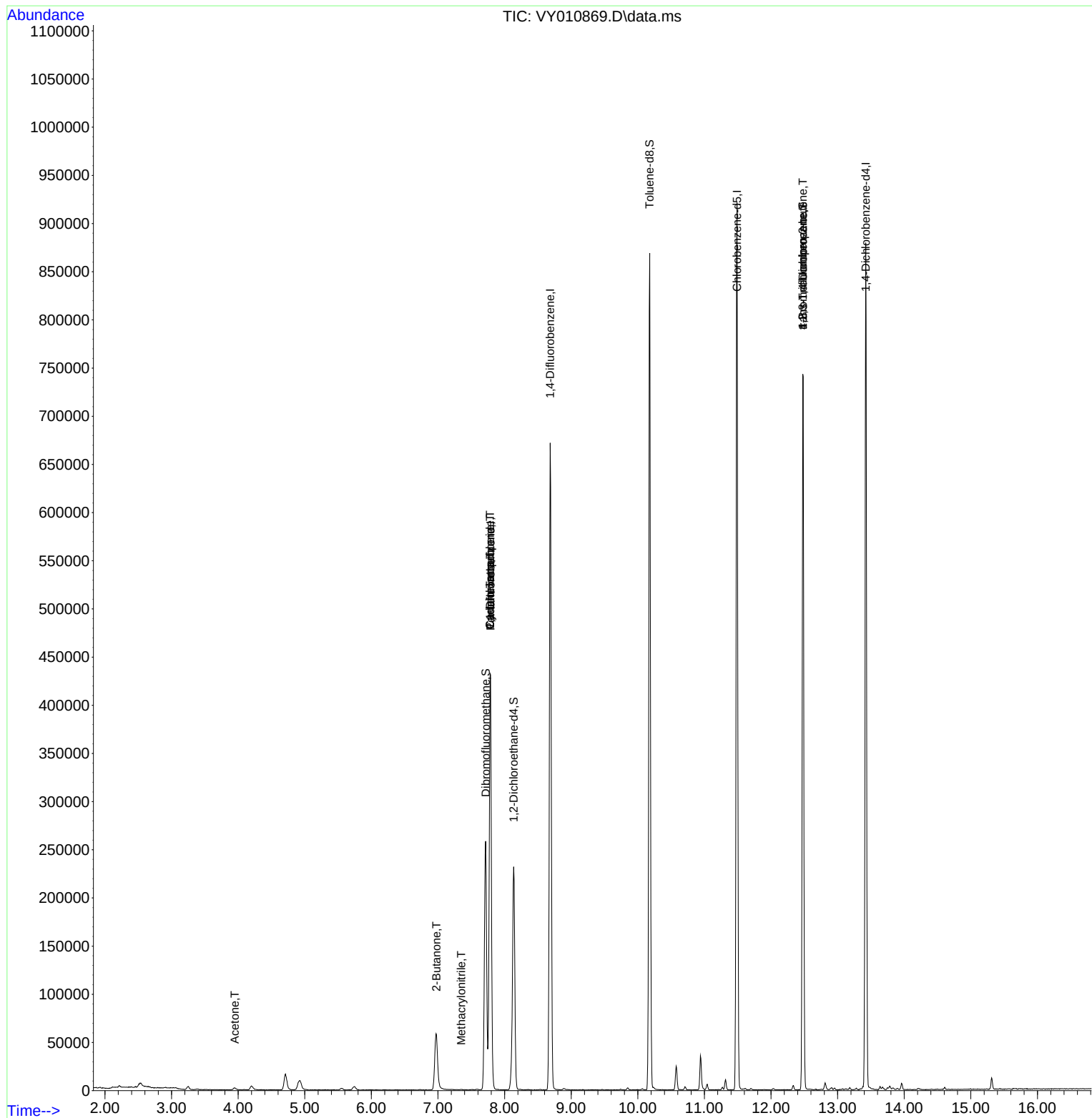
Internal Standards						
1) Pentafluorobenzene	7.789	168	329804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	575851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	508496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	224354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	171709	51.364	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.720%			
35) Dibromofluoromethane	7.716	113	183128	47.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.820%			
50) Toluene-d8	10.179	98	560627	42.885	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 85.780%			
62) 4-Bromofluorobenzene	12.477	95	224330	43.441	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.880%			
Target Compounds						
11) Tert butyl alcohol	4.924	59	10507	Below Cal	#	78
16) Acetone	3.948	43	3853	4.538	ug/l	91
20) Methylene Chloride	4.710	84	11921	Below Cal		89
25) 2-Butanone	6.978	43	3966	3.249	ug/l	# 86
31) Cyclohexane	7.783	56	6855	1.146	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	26313	4.768	ug/l	# 51
38) Carbon Tetrachloride	7.783	117	33127	5.764	ug/l	# 15
41) Methacrylonitrile	7.350	41	103	2.643	ug/l	# 1
76) 1,2,3-Trichloropropane	12.477	75	117066	51.525	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	117066	107.632	ug/l	# 7

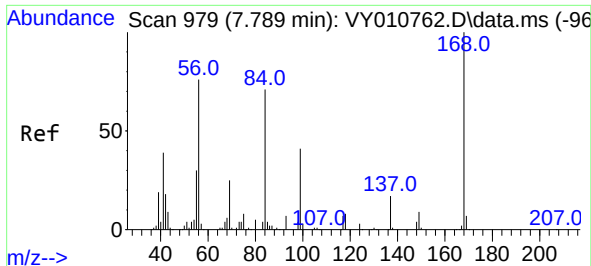
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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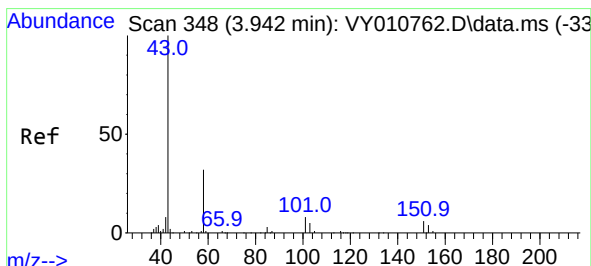
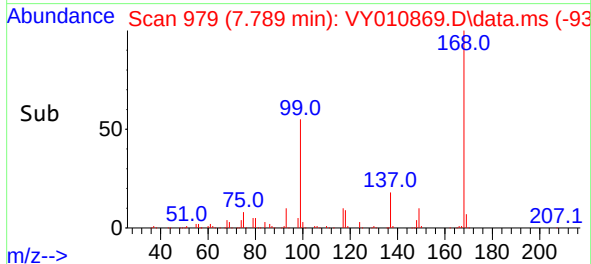
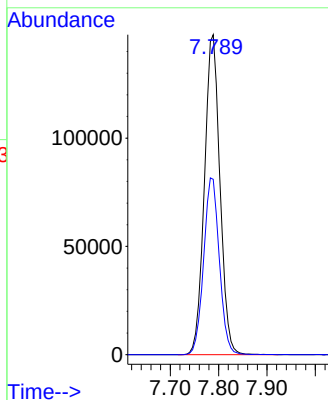
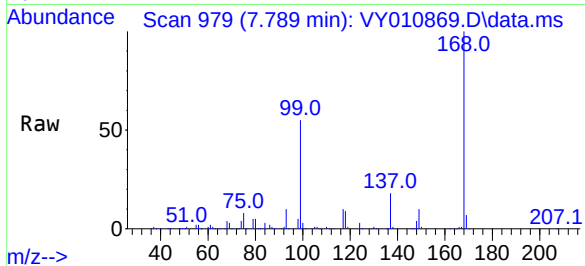




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

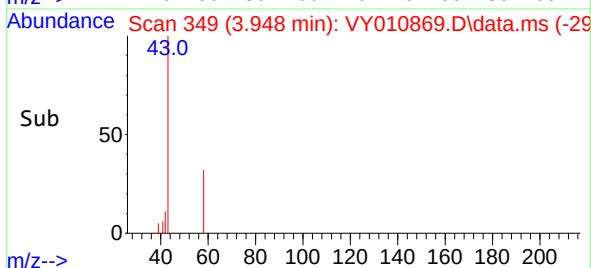
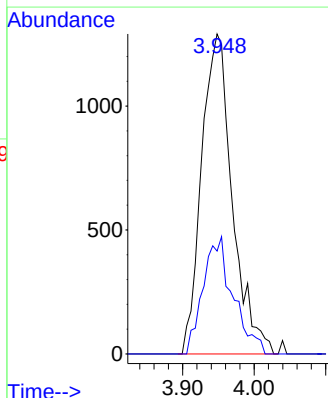
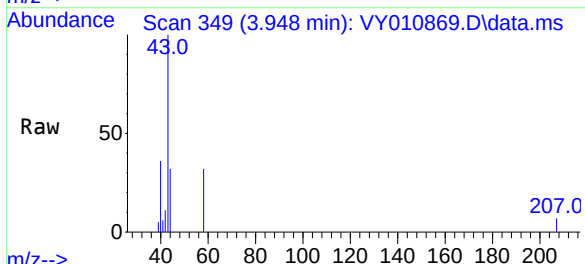
Instrument :
MSVOA_Y
ClientSampleId :
R-5

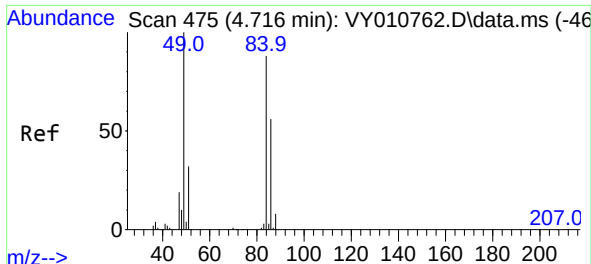
Tgt Ion:168 Resp: 329804
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#16
Acetone
Concen: 4.538 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

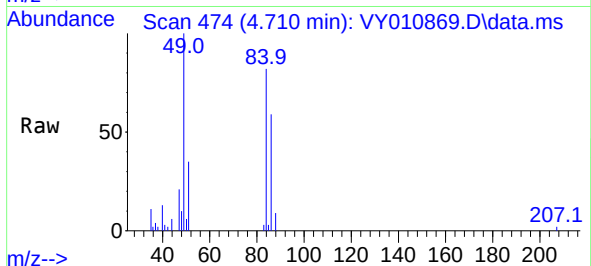
Tgt Ion: 43 Resp: 3853
Ion Ratio Lower Upper
43 100
58 32.1 22.0 33.0





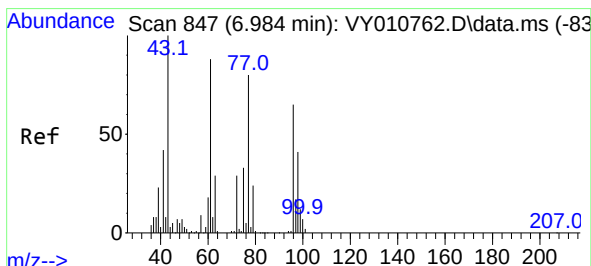
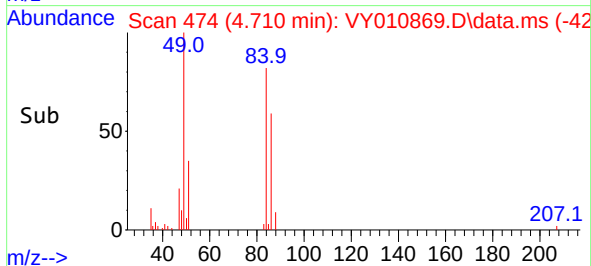
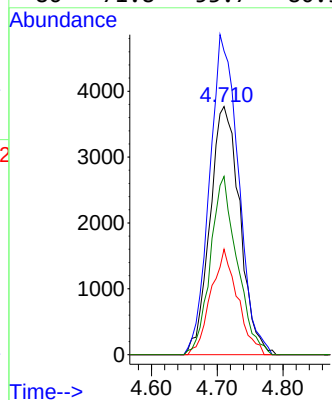
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

Instrument :
MSVOA_Y
ClientSampleId :
R-5



Tgt Ion: 84 Resp: 11921

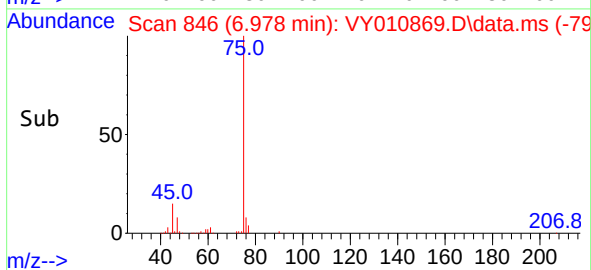
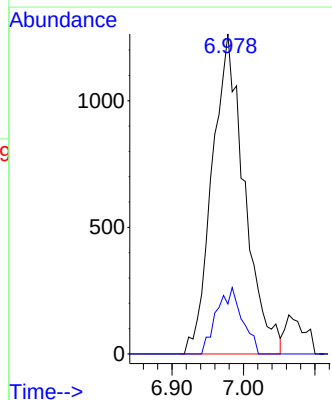
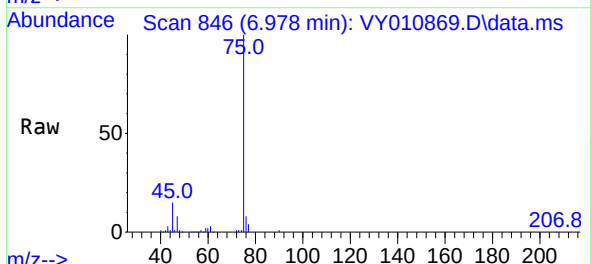
Ion	Ratio	Lower	Upper
84	100		
49	122.3	114.4	171.6
51	42.5	35.3	52.9
86	71.8	53.7	80.5

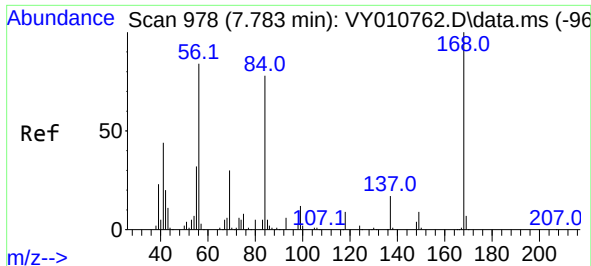


#25
2-Butanone
Concen: 3.249 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

Tgt Ion: 43 Resp: 3966

Ion	Ratio	Lower	Upper
43	100		
72	15.6	17.7	26.5#

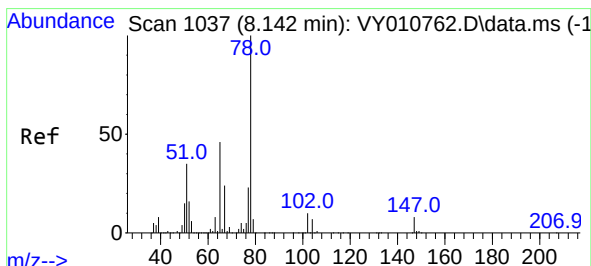
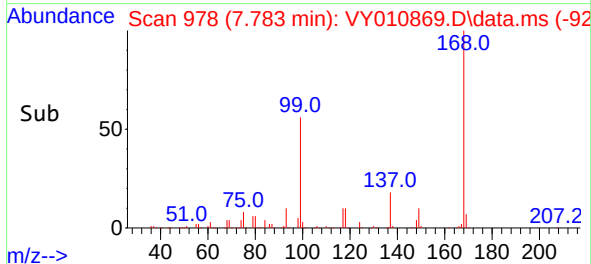
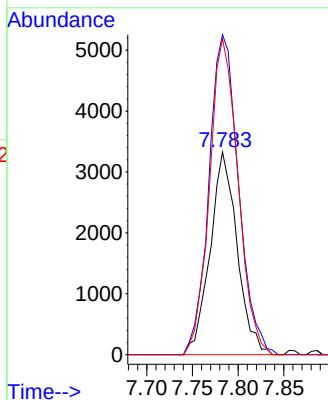
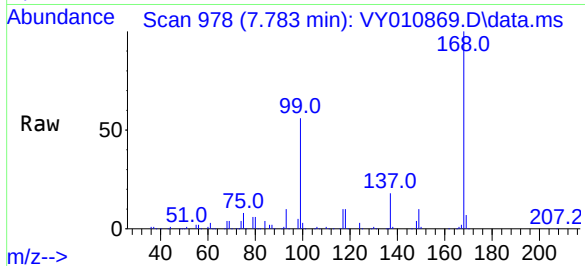




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

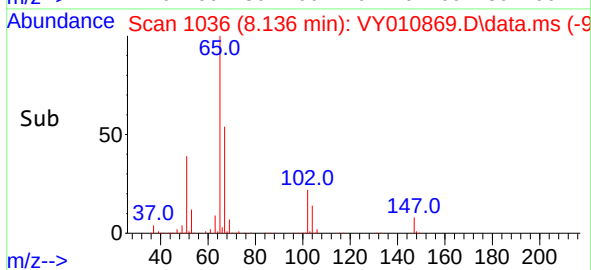
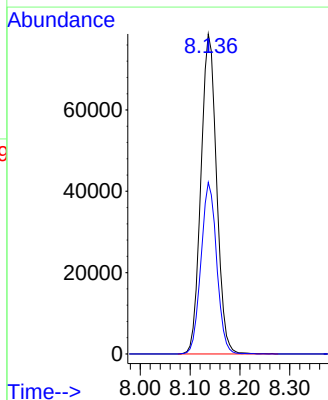
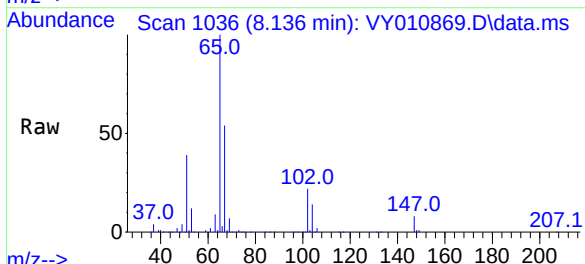
Instrument :
MSVOA_Y
ClientSampleId :
R-5

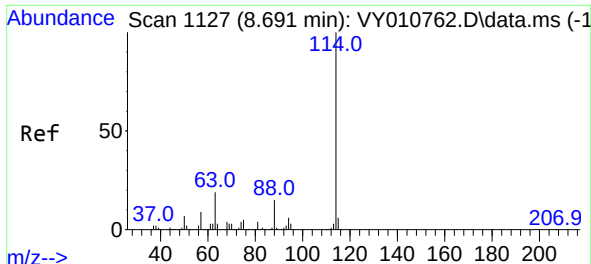
Tgt Ion: 56 Resp: 6855
Ion Ratio Lower Upper
56 100
69 157.9 26.7 40.1#
84 155.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 51.364 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

Tgt Ion: 65 Resp: 171709
Ion Ratio Lower Upper
65 100
67 53.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY010869.D

Acq: 07 Oct 2022 14:12

Instrument :

MSVOA_Y

ClientSampleId :

R-5

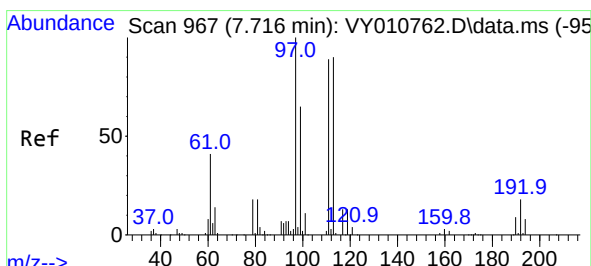
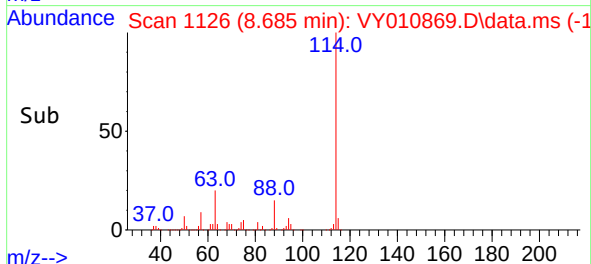
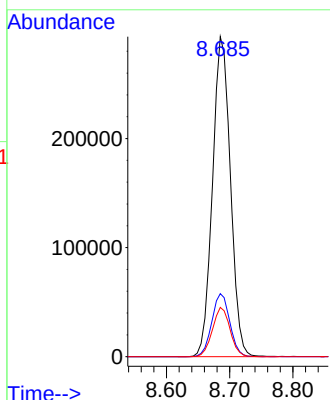
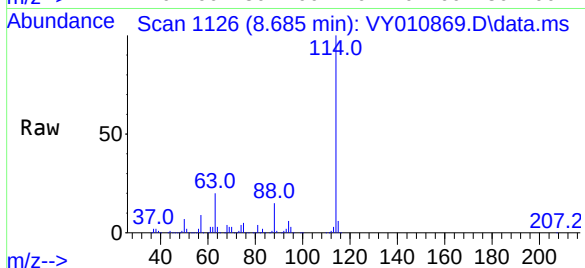
Tgt Ion:114 Resp: 575851

Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.907 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010869.D

Acq: 07 Oct 2022 14:12

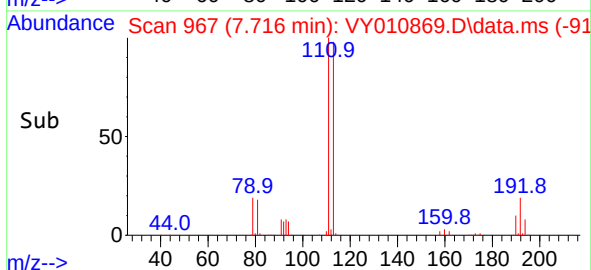
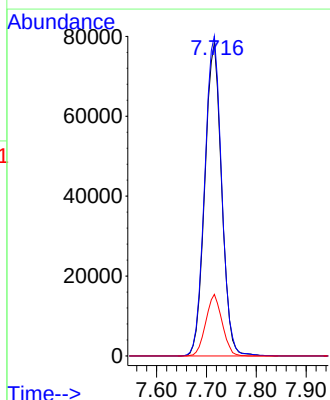
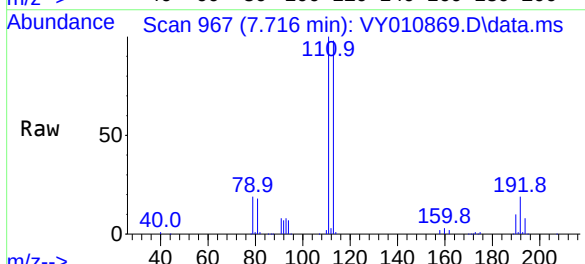
Tgt Ion:113 Resp: 183128

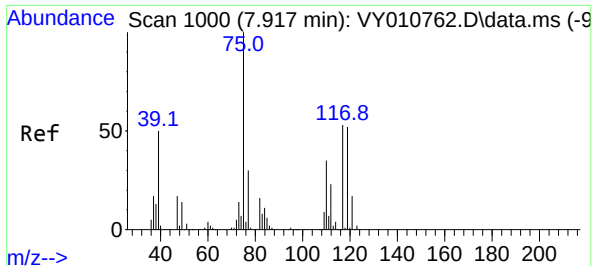
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 19.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.768 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY010869.D

Acq: 07 Oct 2022 14:12

Instrument :

MSVOA_Y

ClientSampleId :

R-5

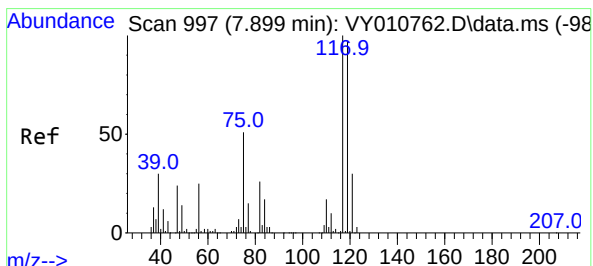
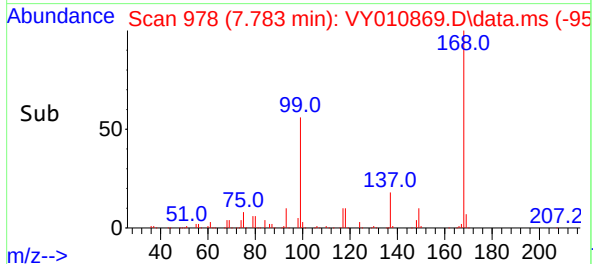
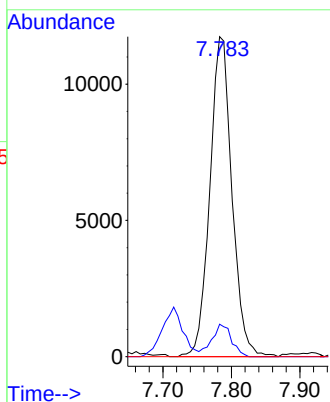
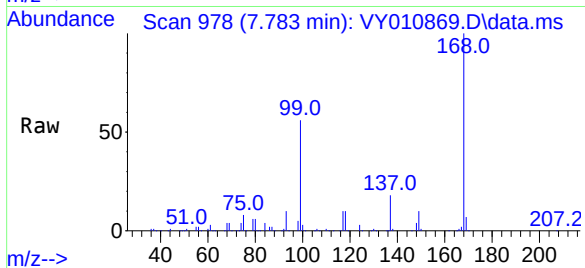
Tgt Ion: 75 Resp: 26313

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.764 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010869.D

Acq: 07 Oct 2022 14:12

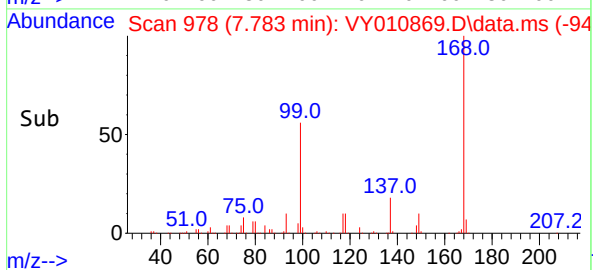
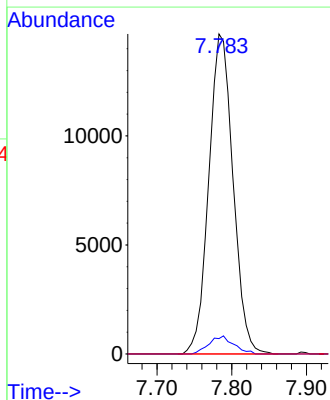
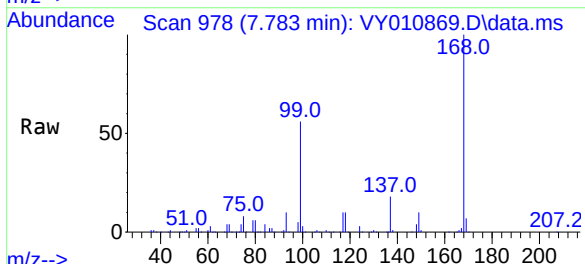
Tgt Ion: 117 Resp: 33127

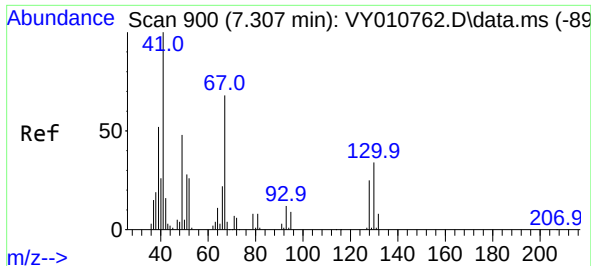
Ion Ratio Lower Upper

117 100

119 4.8 77.9 116.9#

121 0.0 24.8 37.2#

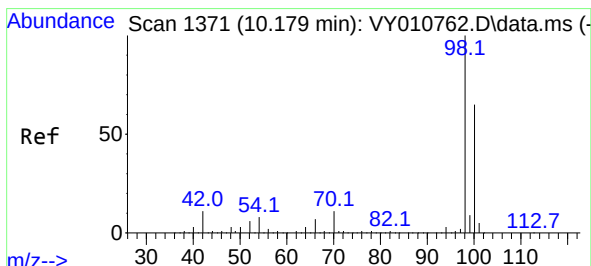
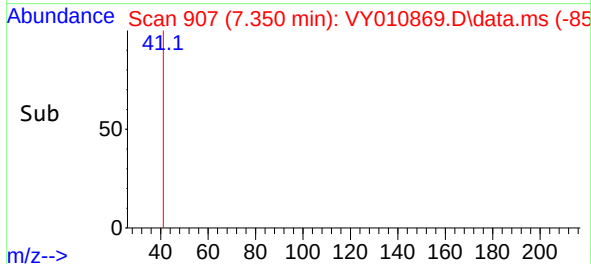
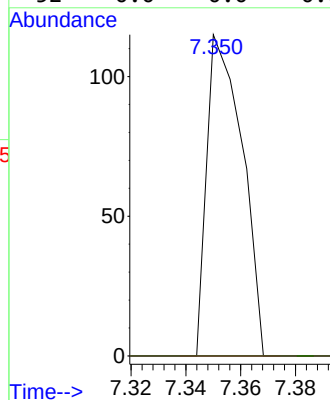
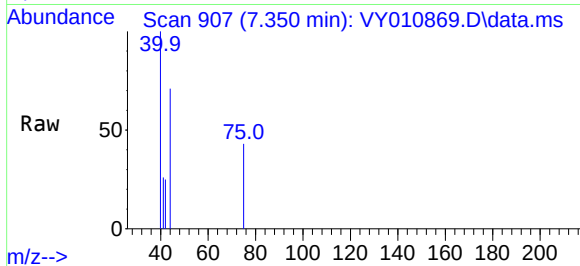




#41
Methacrylonitrile
Concen: 2.643 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

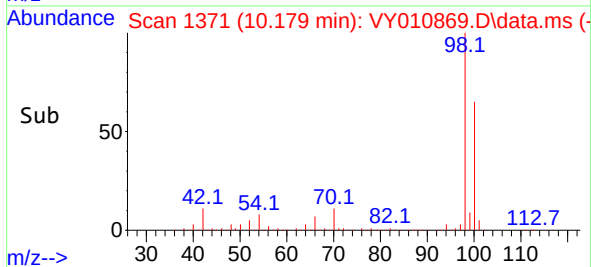
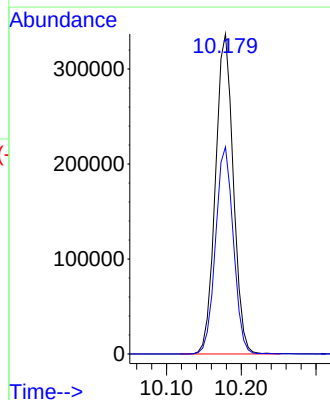
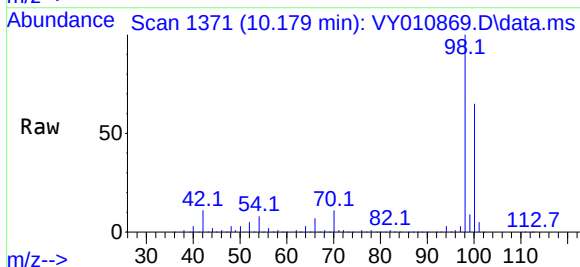
Instrument :
MSVOA_Y
ClientSampleId :
R-5

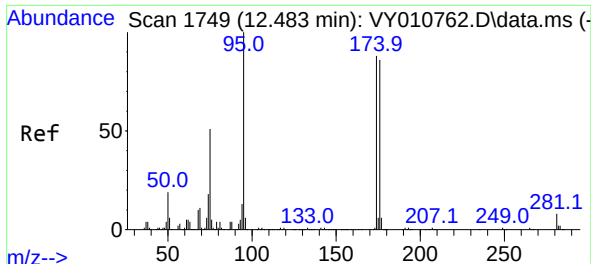
Tgt Ion: 41	Resp: 103
Ion Ratio	Lower Upper
41 100	
39 0.0	92.9 139.3#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 42.885 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

Tgt Ion: 98	Resp: 560627
Ion Ratio	Lower Upper
98 100	
100 64.6	50.2 75.2

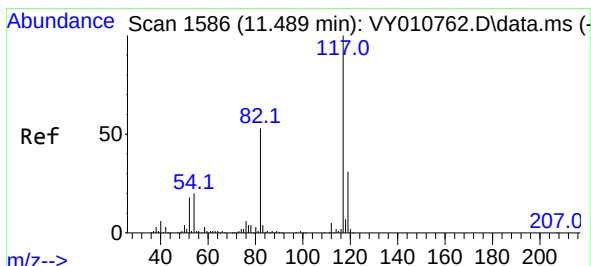
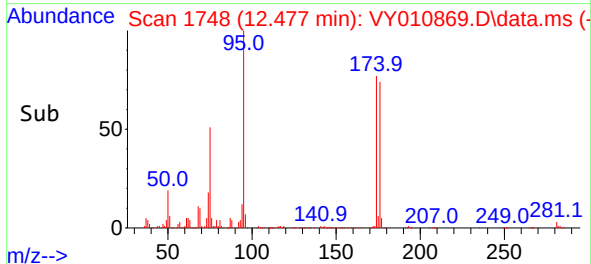
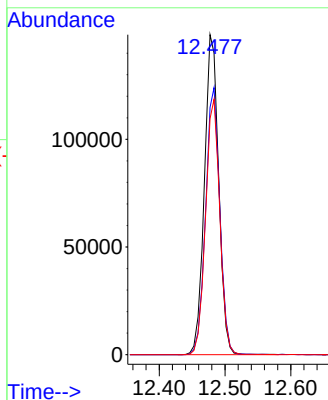
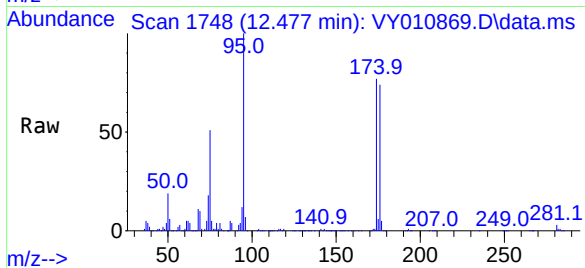




#62
4-Bromofluorobenzene
Concen: 43.441 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

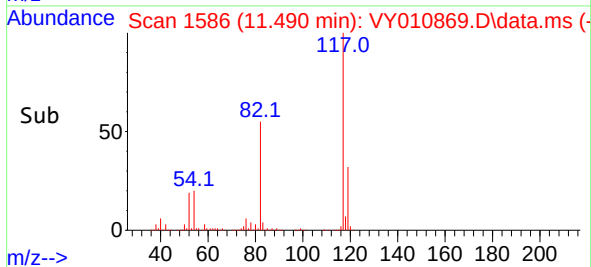
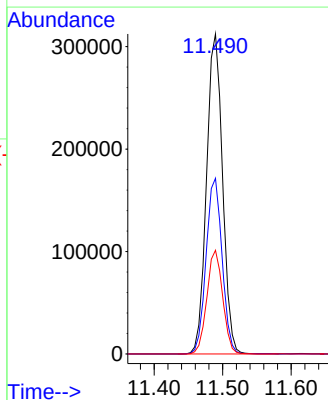
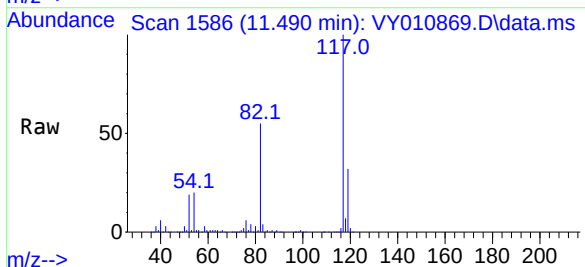
Instrument :
MSVOA_Y
ClientSampleId :
R-5

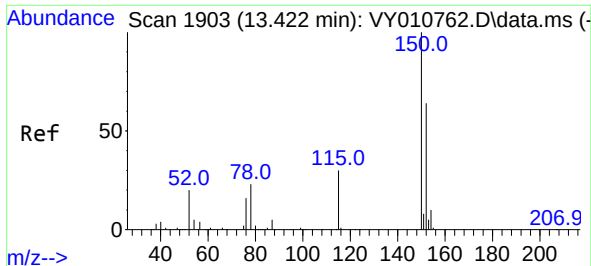
Tgt Ion: 95 Resp: 224330
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 79.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

Tgt Ion: 117 Resp: 508496
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 32.4 25.4 38.0

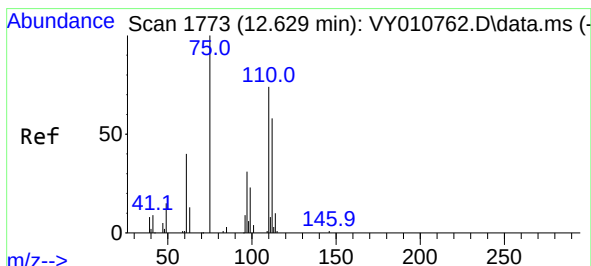
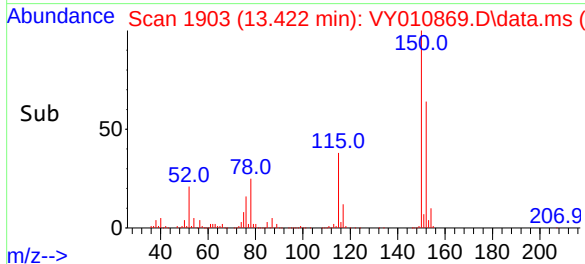
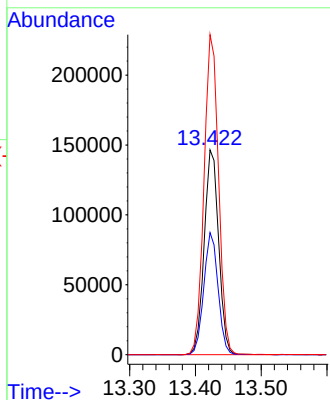
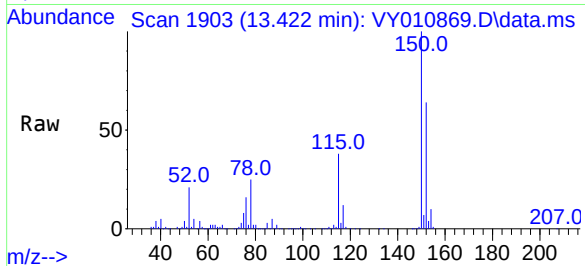




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

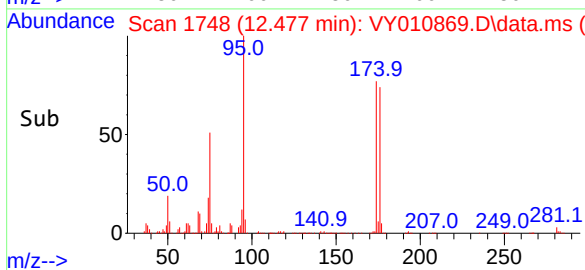
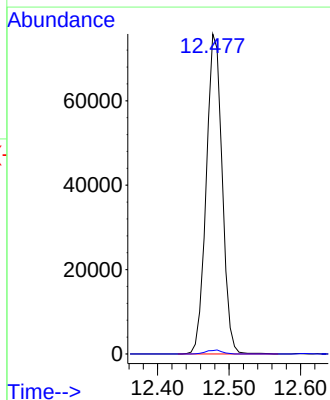
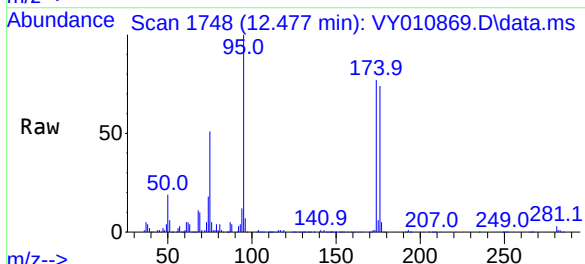
Instrument :
MSVOA_Y
ClientSampleId :
R-5

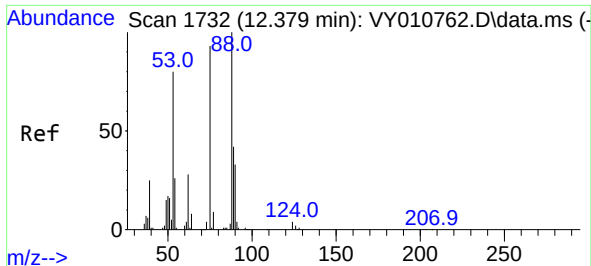
Tgt Ion:152 Resp: 224354
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.7
150 156.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 51.525 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010869.D
Acq: 07 Oct 2022 14:12

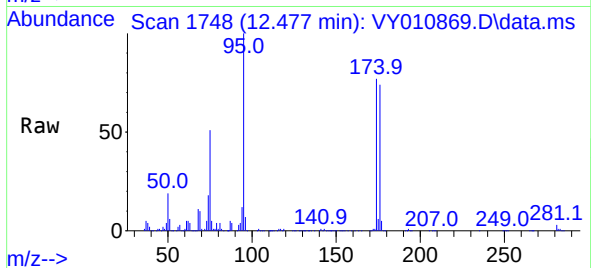
Tgt Ion: 75 Resp: 117066
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.632 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010869.D
 Acq: 07 Oct 2022 14:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-5



Tgt Ion: 75 Resp: 117066
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

