

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100422\
 Data File : VY010794.D
 Acq On : 04 Oct 2022 14:47
 Operator : KP/MD
 Sample : N4948-02
 Misc : 7.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 07:29:35 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	296064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	504506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	443002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	206657	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	117222	39.061	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.120%
35) Dibromofluoromethane	7.716	113	122412	36.552	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.100%
50) Toluene-d8	10.179	98	402258	35.122	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	70.240%
62) 4-Bromofluorobenzene	12.483	95	149255	32.035	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	64.060%

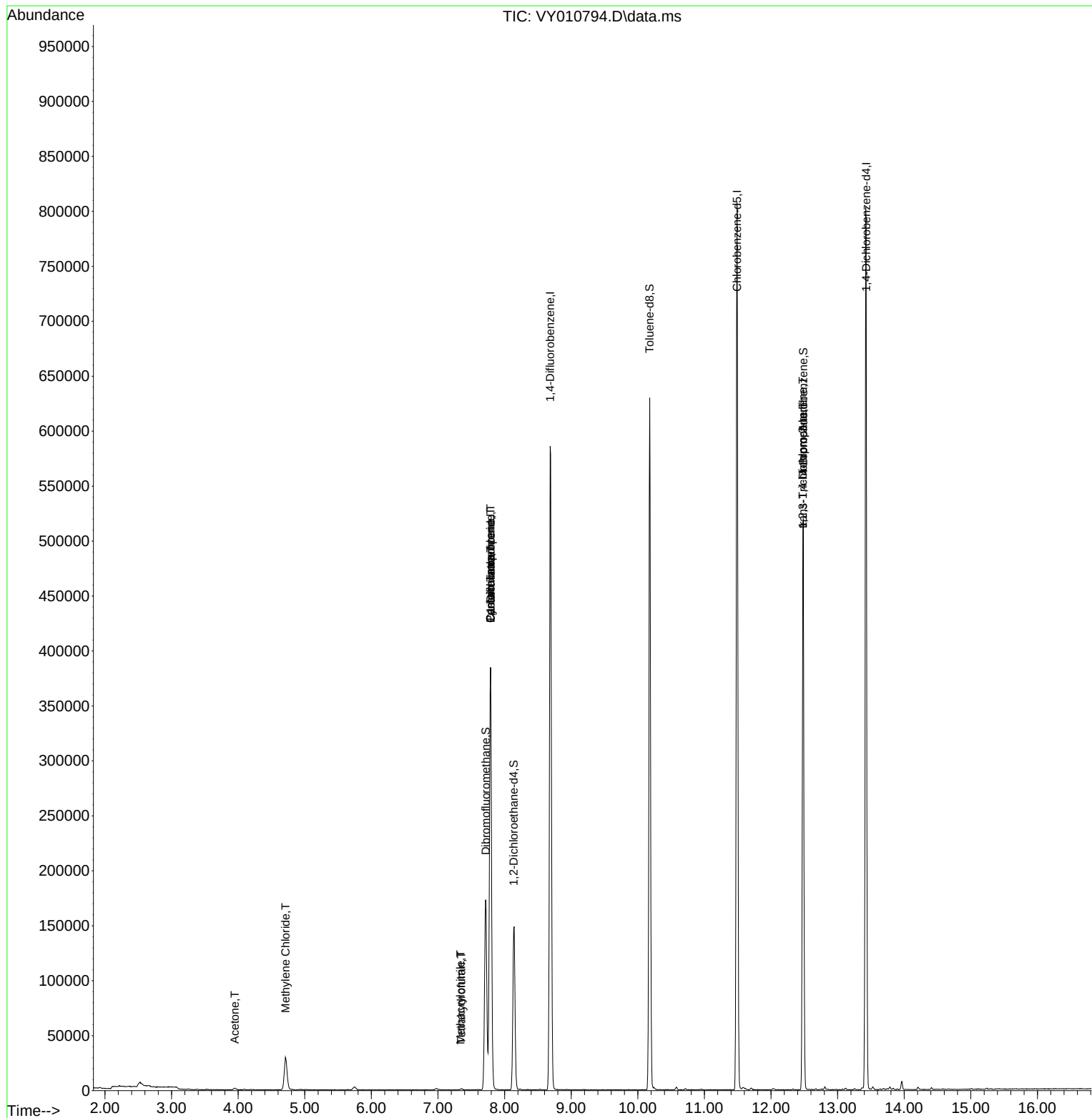
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.936	59	39	Below Cal	#	77
16) Acetone	3.948	43	2699	3.541	ug/l	97
20) Methylene Chloride	4.710	84	21892	1.491	ug/l #	82
29) Tetrahydrofuran	7.350	42	727	1.128	ug/l #	92
31) Cyclohexane	7.789	56	5961	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	22768	4.709	ug/l #	50
38) Carbon Tetrachloride	7.789	117	29233	5.805	ug/l #	15
41) Methacrylonitrile	7.338	41	243	2.747	ug/l #	99
76) 1,2,3-Trichloropropane	12.477	75	78397	37.460	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	78397	78.252	ug/l #	7

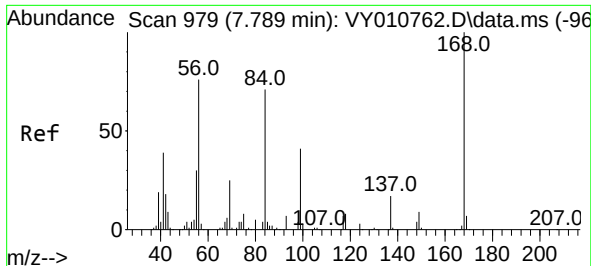
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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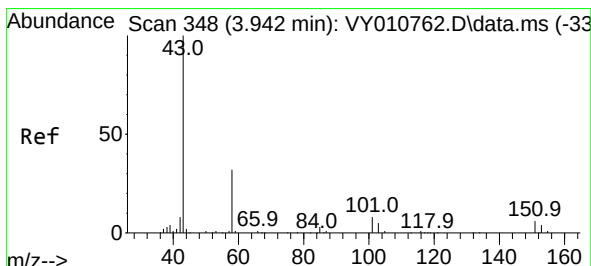
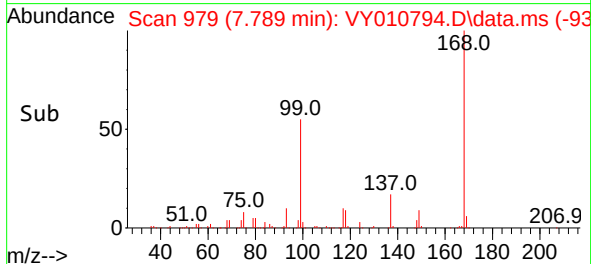
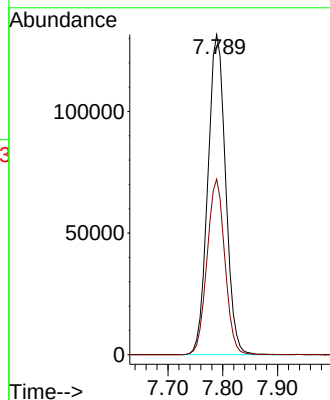
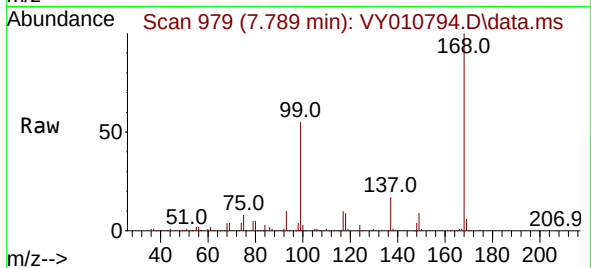




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010794.D
Acq: 04 Oct 2022 14:47

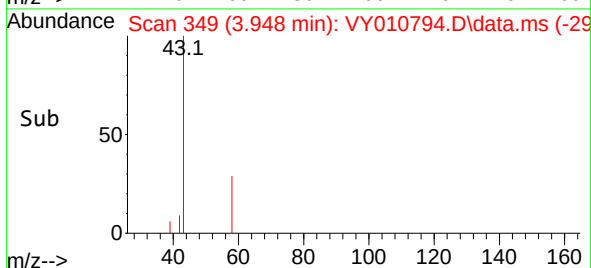
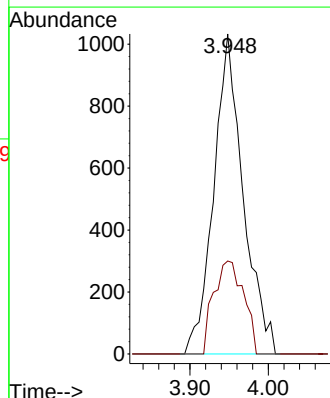
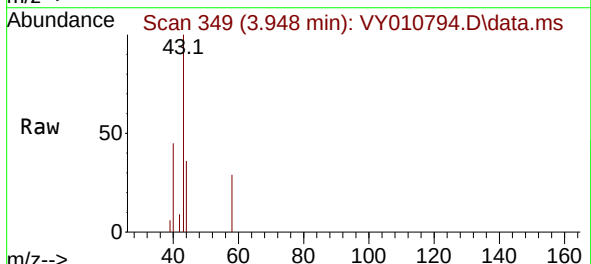
Instrument :
MSVOA_Y
ClientSampleId :

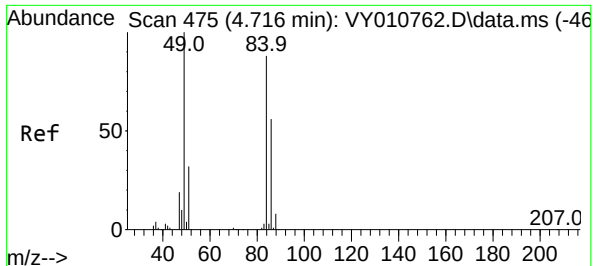
Tgt Ion:168 Resp: 296064
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#16
Acetone
Concen: 3.541 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010794.D
Acq: 04 Oct 2022 14:47

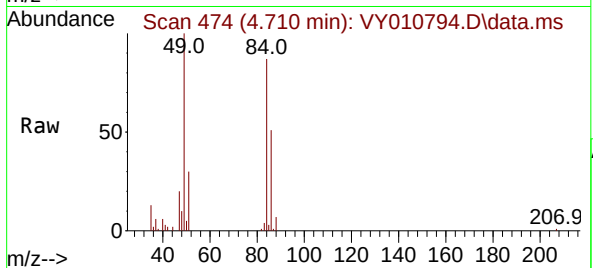
Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
58 29.0 22.0 33.0



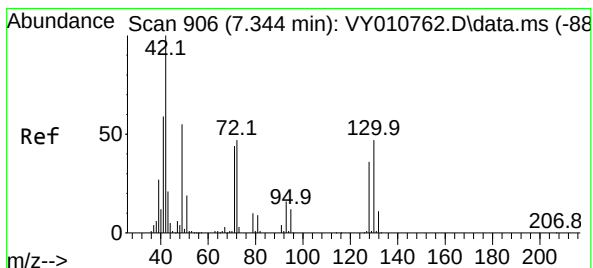
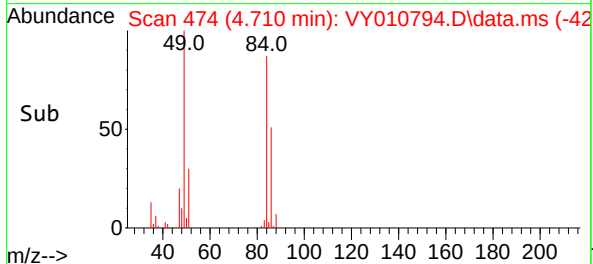
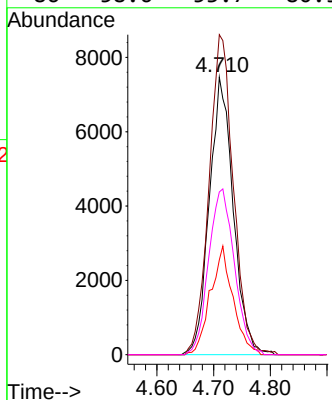


#20
Methylene Chloride
Concen: 1.491 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010794.D
Acq: 04 Oct 2022 14:47

Instrument :
MSVOA_Y
ClientSampleId :

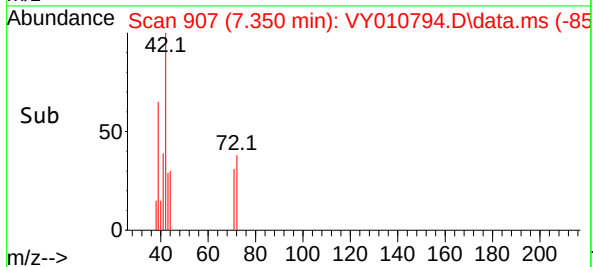
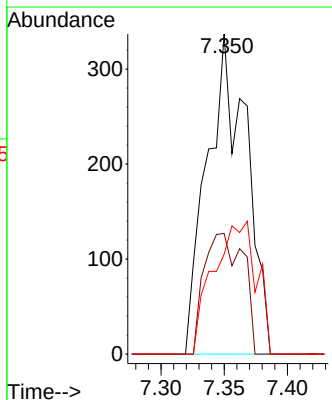
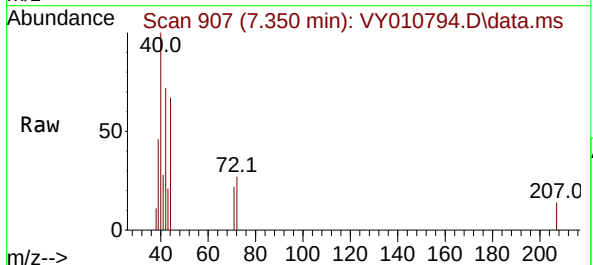


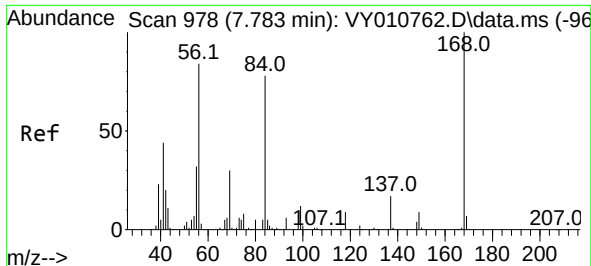
Tgt Ion:	84	Resp:	21892
Ion	Ratio	Lower	Upper
84	100		
49	115.3	114.4	171.6
51	34.1	35.3	52.9#
86	58.6	53.7	80.5



#29
Tetrahydrofuran
Concen: 1.128 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY010794.D
Acq: 04 Oct 2022 14:47

Tgt Ion:	42	Resp:	727
Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.3	45.5
71	45.5	29.0	43.4#

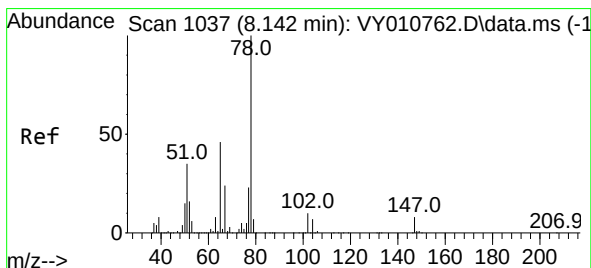
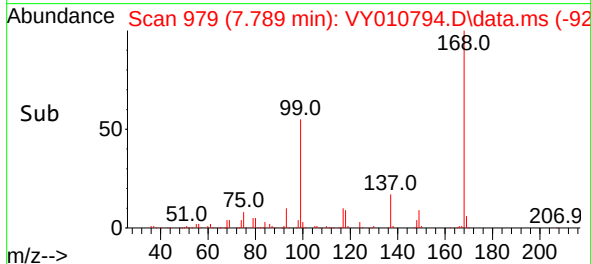
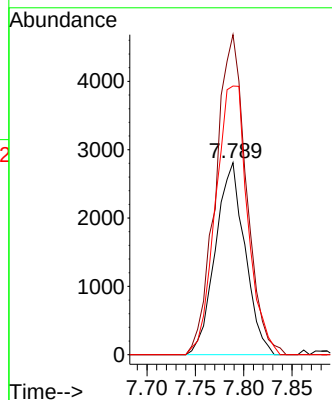
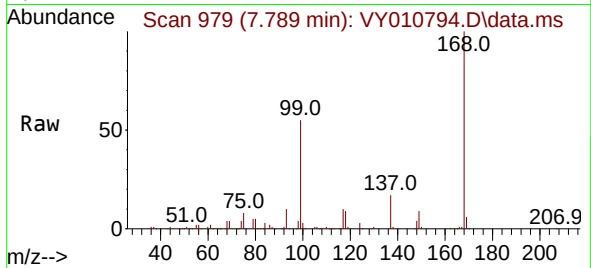




#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010794.D
Acq: 04 Oct 2022 14:47

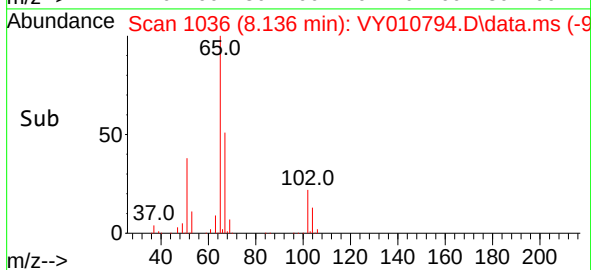
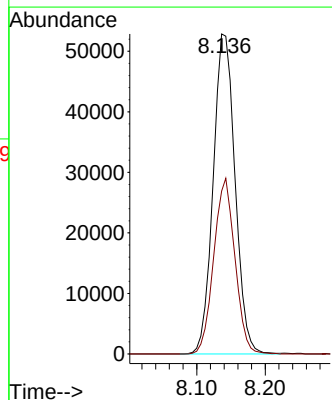
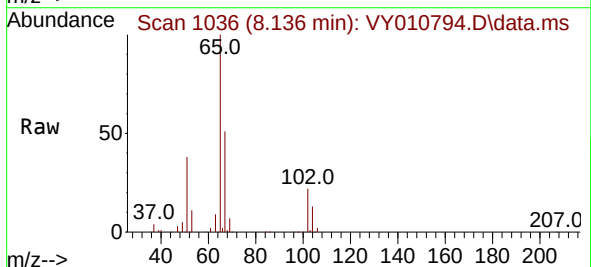
Instrument :
MSVOA_Y
ClientSampleId :

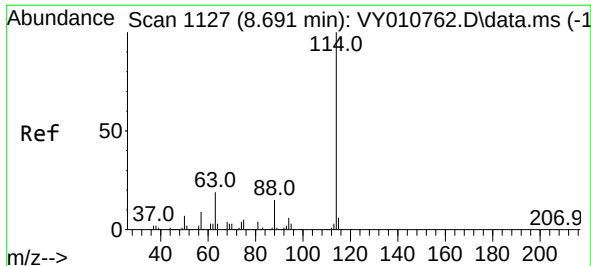
Tgt Ion: 56 Resp: 5961
Ion Ratio Lower Upper
56 100
69 166.6 26.7 40.1#
84 139.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 39.061 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010794.D
Acq: 04 Oct 2022 14:47

Tgt Ion: 65 Resp: 117222
Ion Ratio Lower Upper
65 100
67 53.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

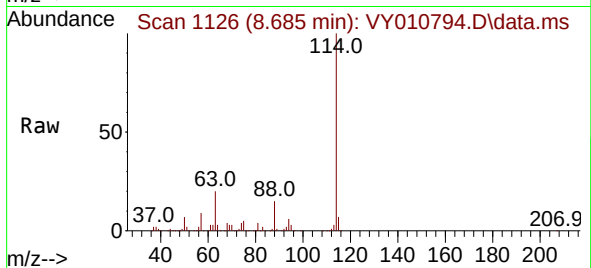
Lab File: VY010794.D

Acq: 04 Oct 2022 14:47

Instrument :

MSVOA_Y

ClientSampleId :



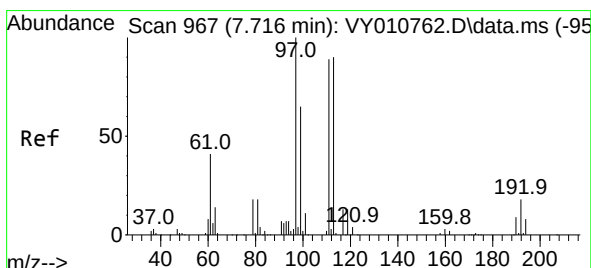
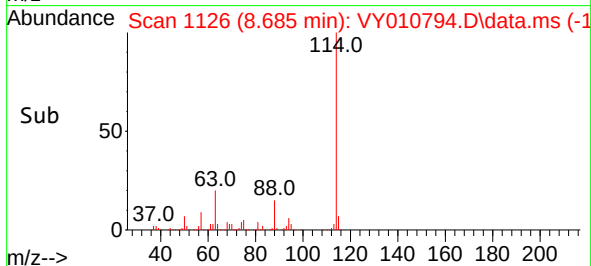
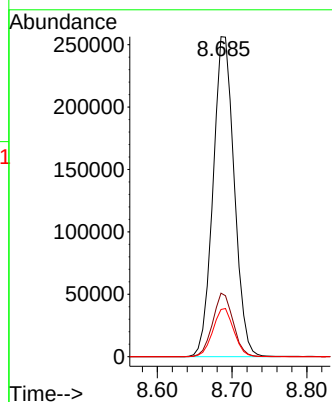
Tgt Ion:114 Resp: 504506

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 36.552 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010794.D

Acq: 04 Oct 2022 14:47

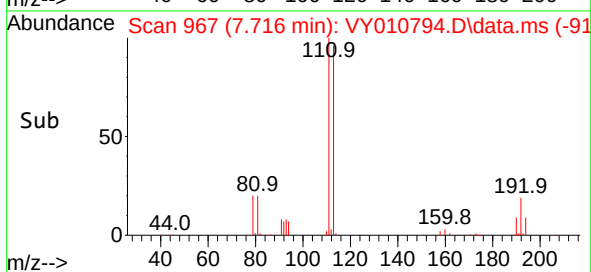
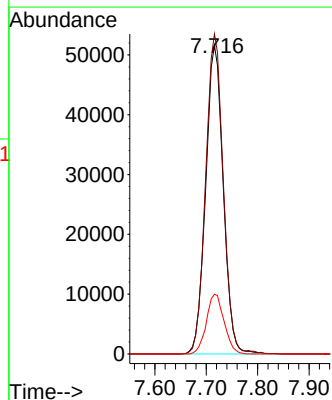
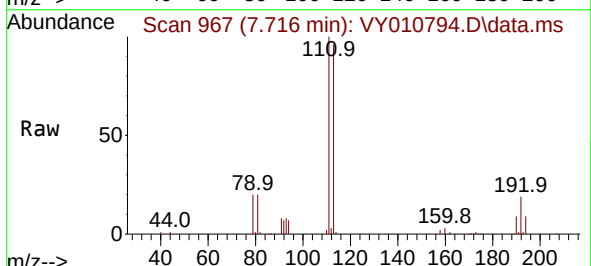
Tgt Ion:113 Resp: 122412

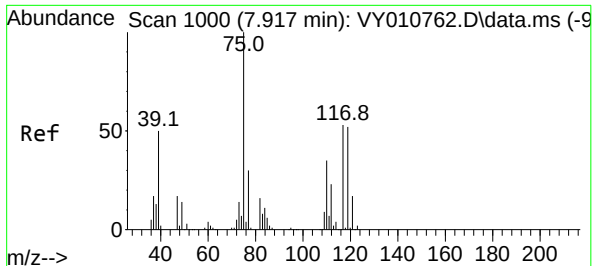
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 19.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.709 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010794.D

Acq: 04 Oct 2022 14:47

Instrument :

MSVOA_Y

ClientSampleId :

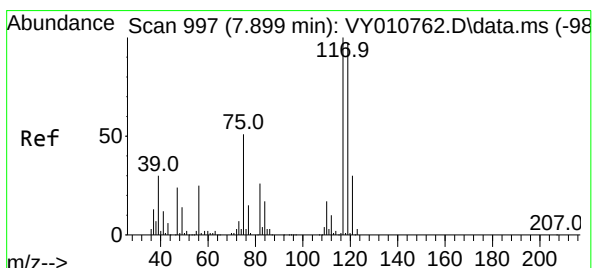
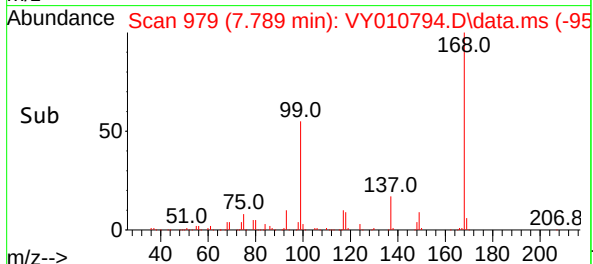
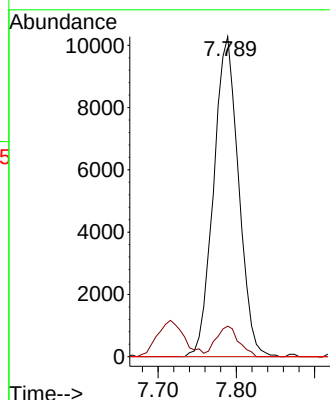
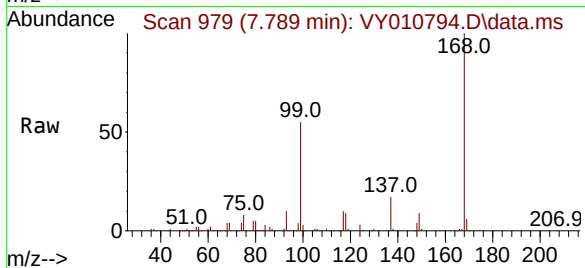
Tgt Ion: 75 Resp: 22768

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.805 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010794.D

Acq: 04 Oct 2022 14:47

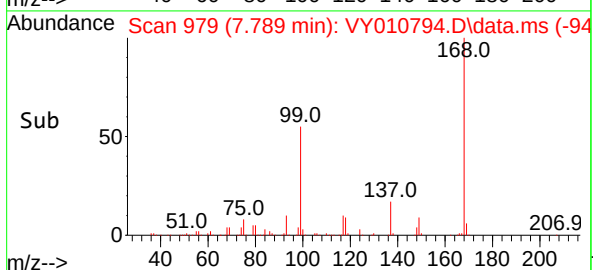
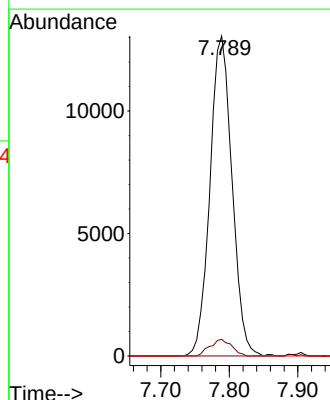
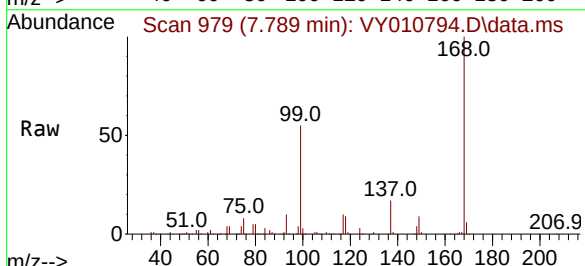
Tgt Ion: 117 Resp: 29233

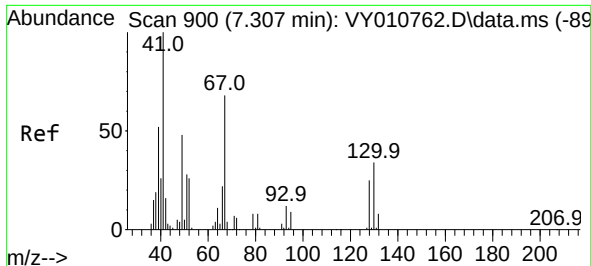
Ion Ratio Lower Upper

117 100

119 5.2 77.9 116.9#

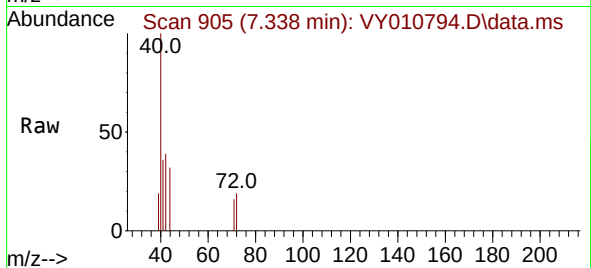
121 0.0 24.8 37.2#



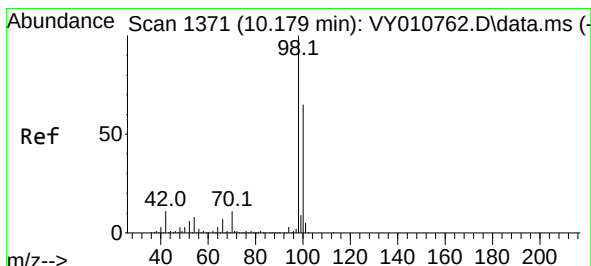
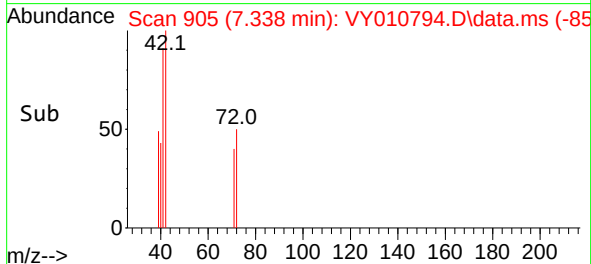
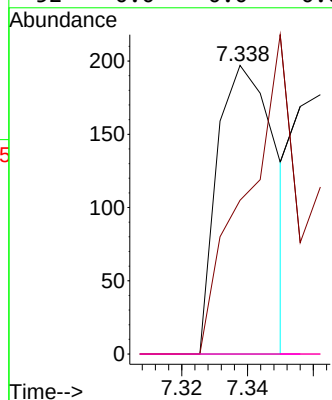


#41
Methacrylonitrile
Concen: 2.747 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.031 min
Lab File: VY010794.D
Acq: 04 Oct 2022 14:47

Instrument :
MSVOA_Y
ClientSampleId :

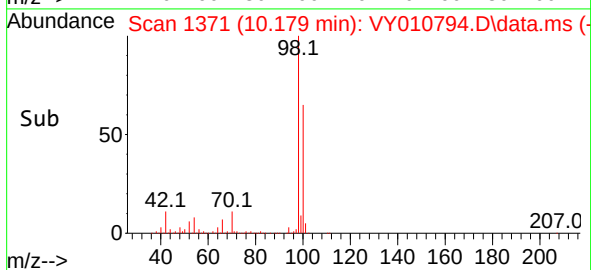
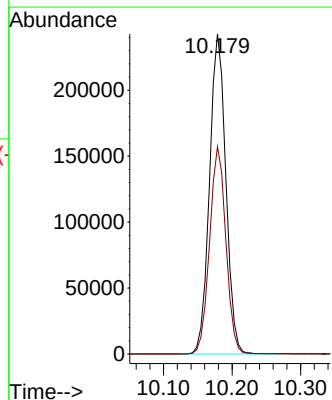
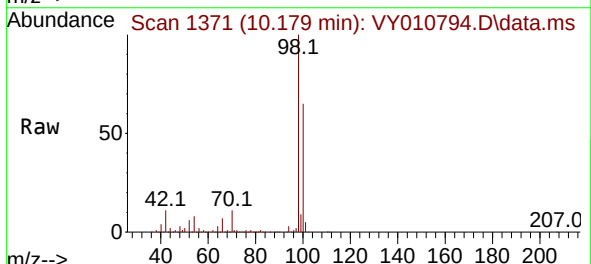


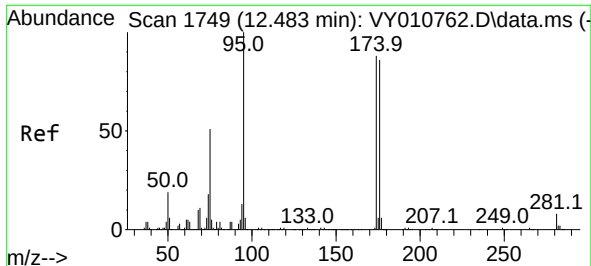
Tgt Ion:	41	Resp:	243
Ion	Ratio	Lower	Upper
41	100		
39	117.3	92.9	139.3
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 35.122 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010794.D
Acq: 04 Oct 2022 14:47

Tgt Ion:	98	Resp:	402258
Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.2	75.2

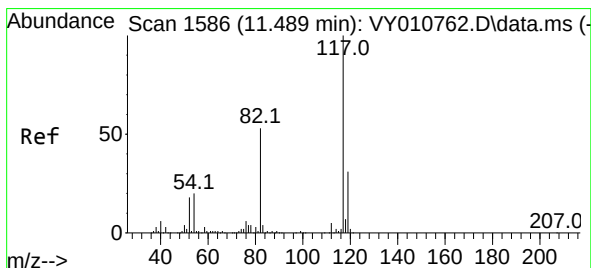
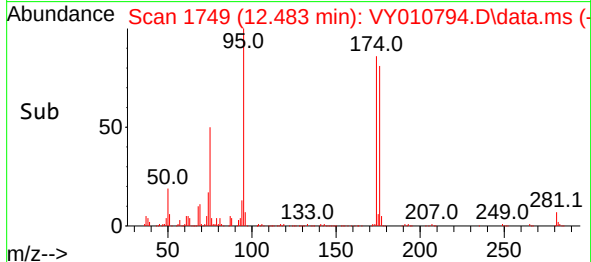
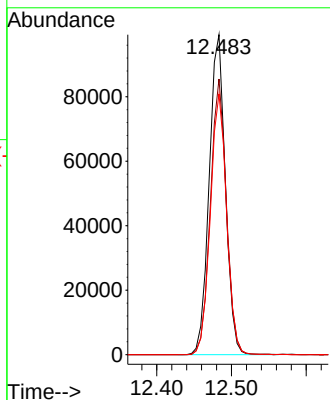
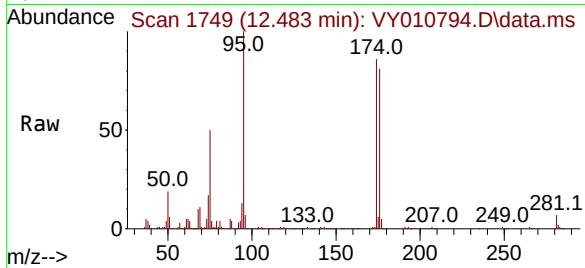




#62
4-Bromofluorobenzene
Concen: 32.035 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010794.D
Acq: 04 Oct 2022 14:47

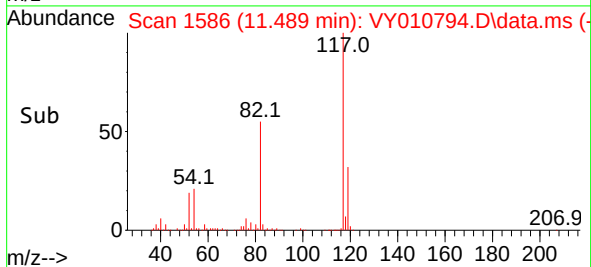
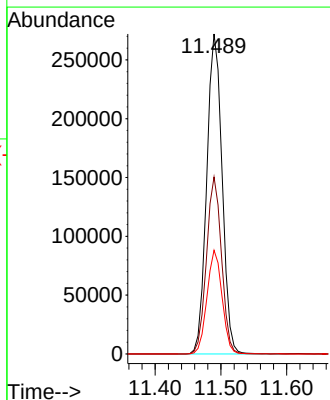
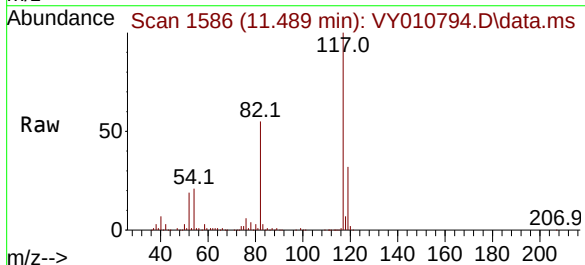
Instrument :
MSVOA_Y
ClientSampleId :

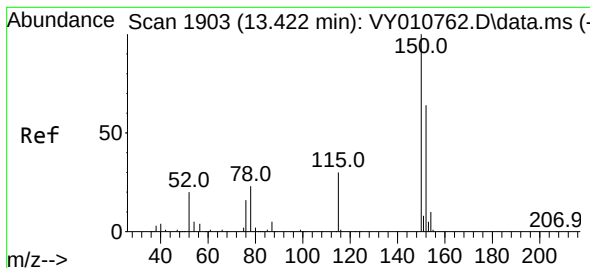
Tgt Ion: 95 Resp: 149255
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 82.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010794.D
Acq: 04 Oct 2022 14:47

Tgt Ion: 117 Resp: 443002
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.4
119 32.4 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: VY010794.D

Acq: 04 Oct 2022 14:47

Instrument :

MSVOA_Y

ClientSampleId :

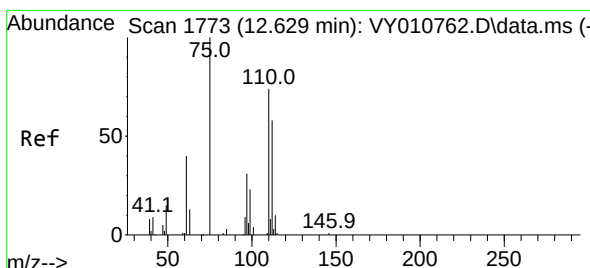
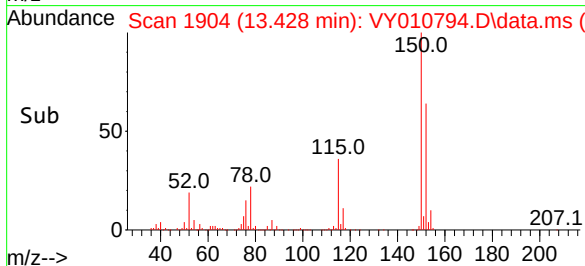
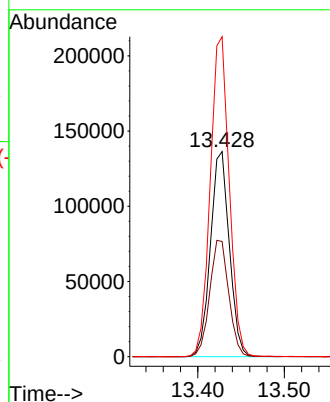
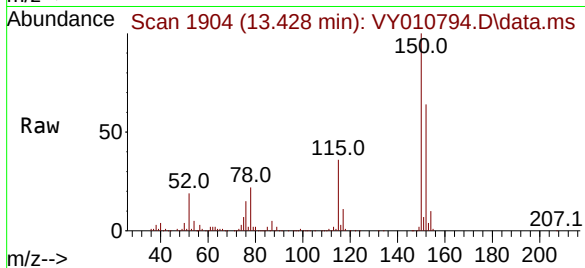
Tgt Ion:152 Resp: 206657

Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.7

150 156.7 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 37.460 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010794.D

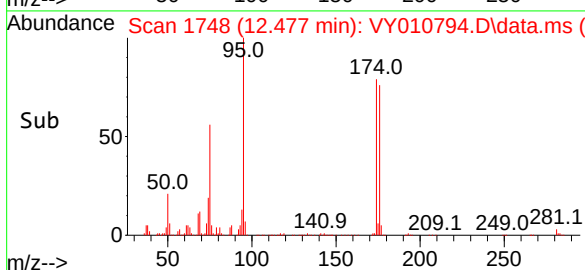
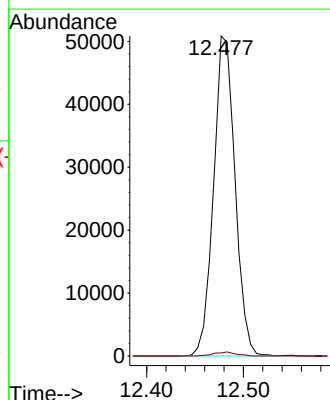
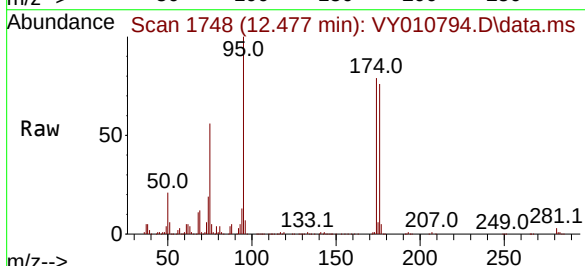
Acq: 04 Oct 2022 14:47

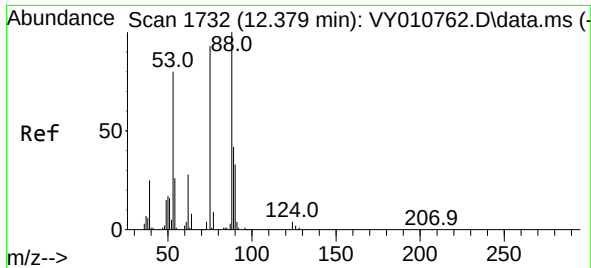
Tgt Ion: 75 Resp: 78397

Ion Ratio Lower Upper

75 100

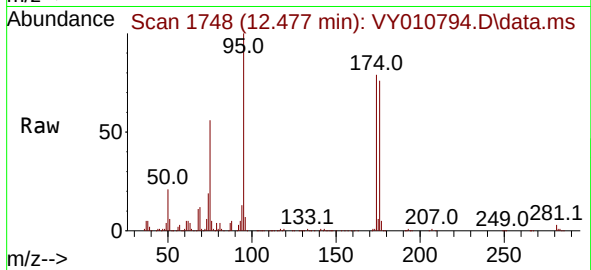
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.252 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY010794.D
Acq: 04 Oct 2022 14:47

Instrument :
MSVOA_Y
ClientSampleId :



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

