

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013674.D
 Acq On : 09 May 2023 17:32
 Operator : KP/MD
 Sample : 02624-02RE
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WZ-2ARE

Quant Time: May 10 05:40:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

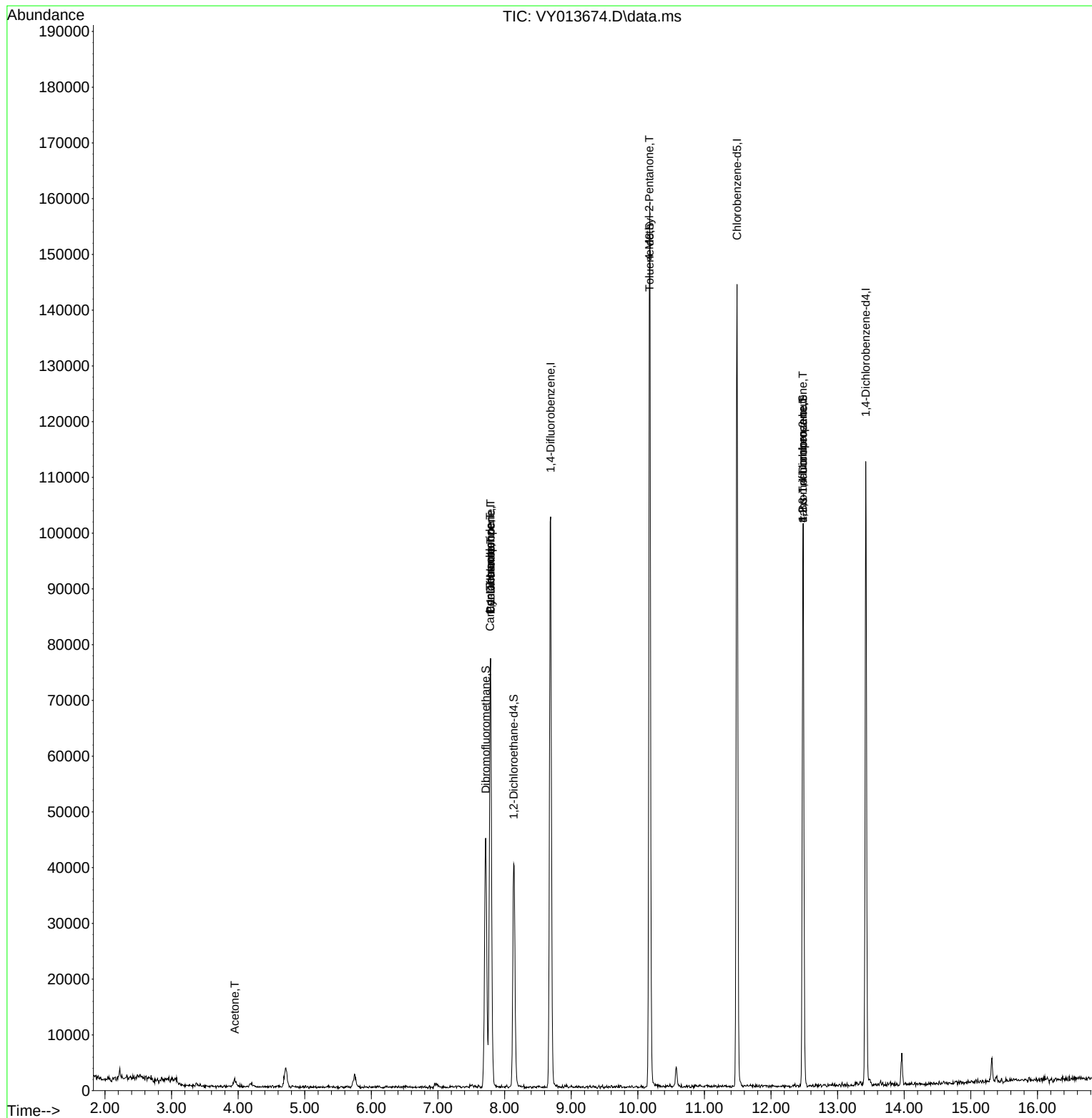
Internal Standards						
1) Pentafluorobenzene	7.789	168	60315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	87019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	76771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	29225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	34213	51.745	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.480%	
35) Dibromofluoromethane	7.716	113	30218	55.212	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.420%	
50) Toluene-d8	10.179	98	104482	53.663	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.320%	
62) 4-Bromofluorobenzene	12.477	95	27291	41.578	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.160%	
Target Compounds						
					Qvalue	
13) Acrolein	3.527	56	20	Below Cal	#	16
16) Acetone	3.948	43	2596	9.970	ug/l #	77
20) Methylene Chloride	4.716	84	2433	Below Cal	#	83
31) Cyclohexane	7.789	56	1248	1.054	ug/l #	52
36) 1,1-Dichloropropene	7.789	75	4491	4.944	ug/l #	48
38) Carbon Tetrachloride	7.783	117	5711	5.999	ug/l #	16
51) 4-Methyl-2-Pentanone	10.173	43	651	1.013	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	14441	36.640	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	14441	74.949	ug/l #	12

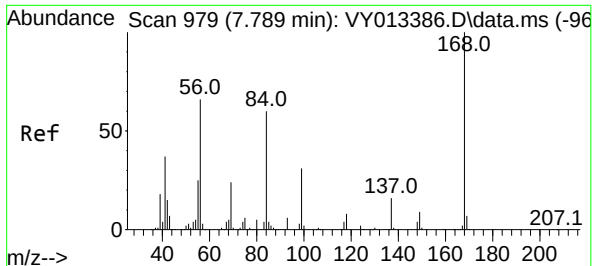
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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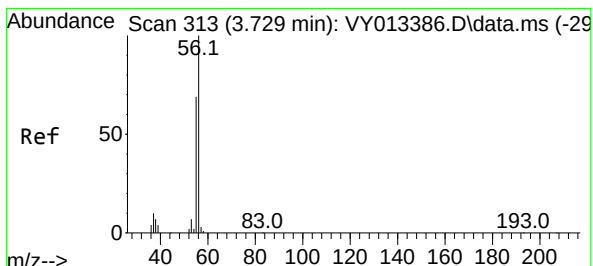
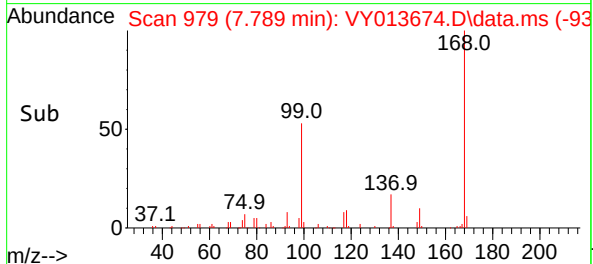
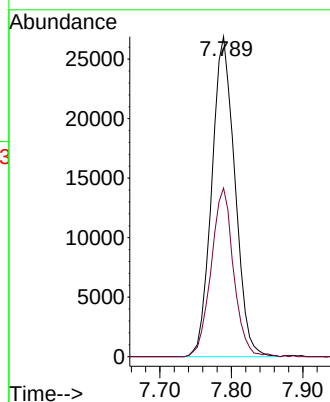
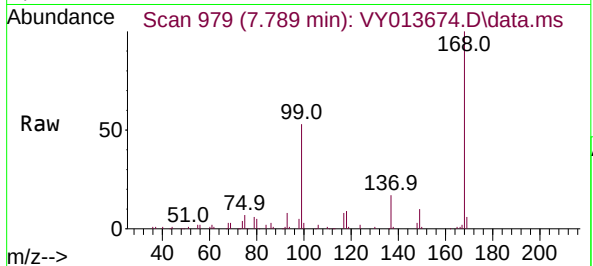




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013674.D
Acq: 09 May 2023 17:32

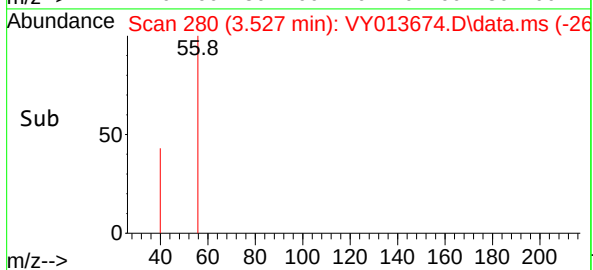
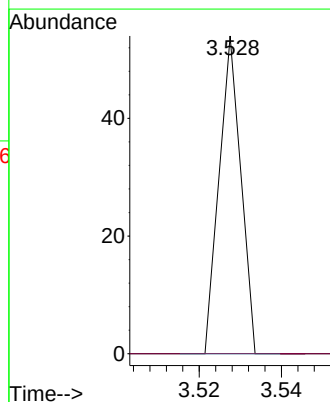
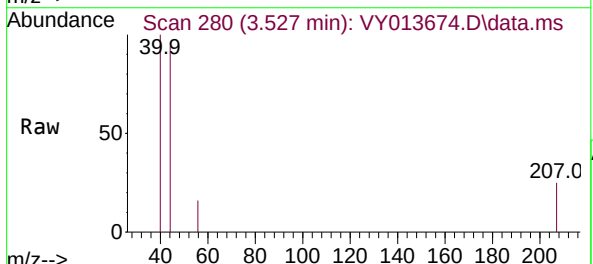
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2ARE

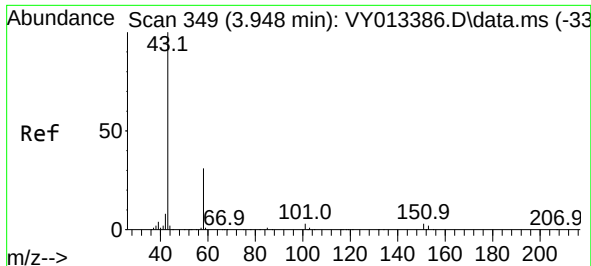
Tgt Ion:168 Resp: 60315
Ion Ratio Lower Upper
168 100
99 52.7 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.527 min Scan# 280
Delta R.T. -0.202 min
Lab File: VY013674.D
Acq: 09 May 2023 17:32

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#





#16

Acetone

Concen: 9.970 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY013674.D

Acq: 09 May 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

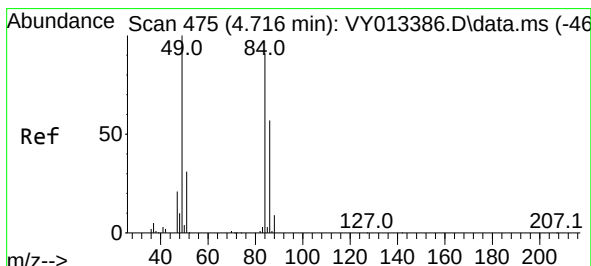
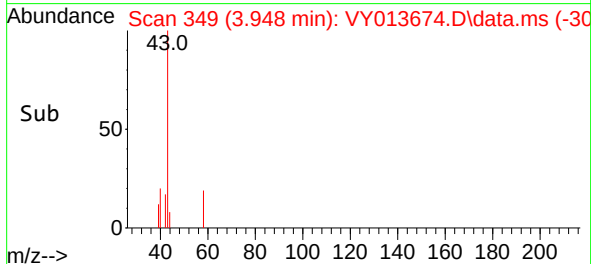
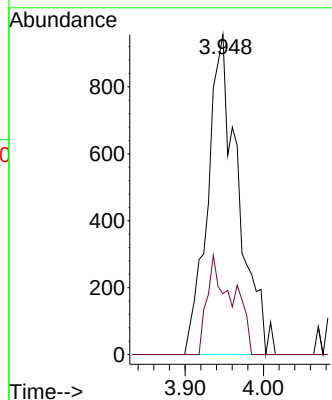
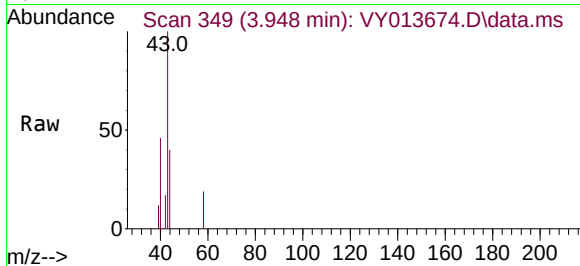
WZ-2ARE

Tgt Ion: 43 Resp: 2596

Ion Ratio Lower Upper

43 100

58 19.0 25.4 38.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013674.D

Acq: 09 May 2023 17:32

Tgt Ion: 84 Resp: 2433

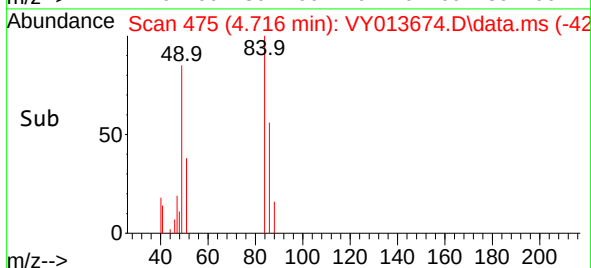
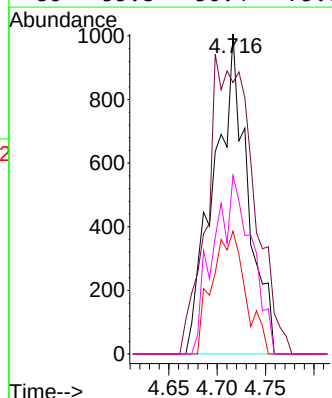
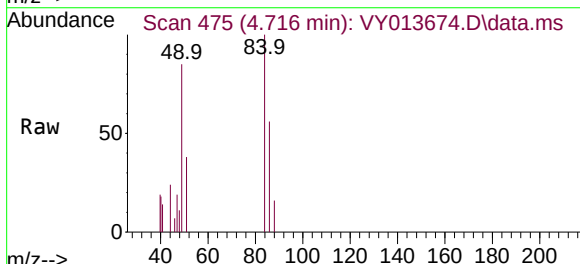
Ion Ratio Lower Upper

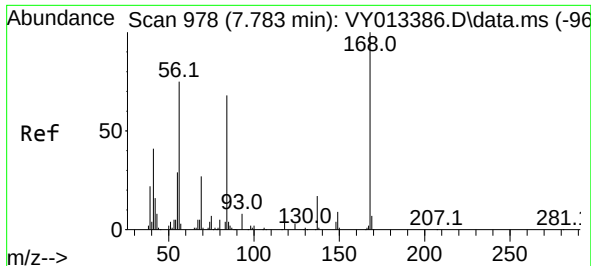
84 100

49 84.8 88.0 132.0#

51 38.4 27.4 41.0

86 55.8 50.4 75.6

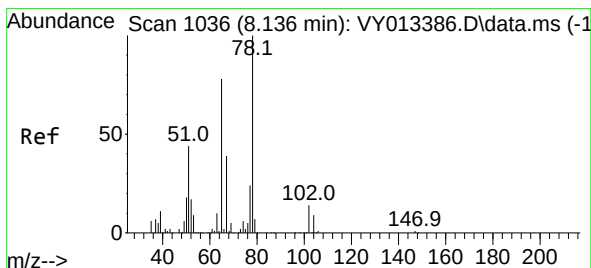
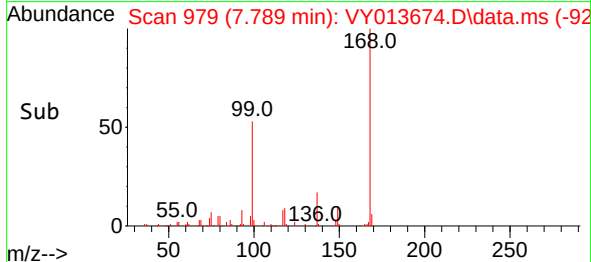
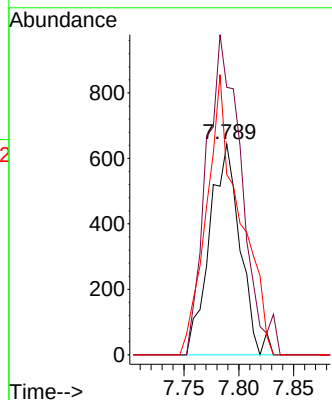
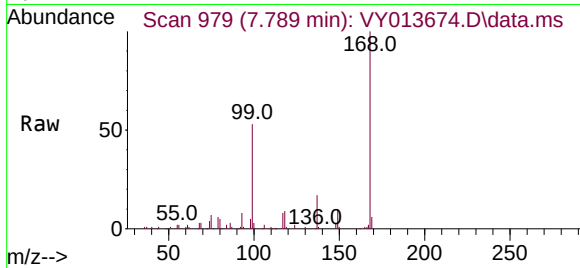




#31
Cyclohexane
Concen: 1.054 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013674.D
Acq: 09 May 2023 17:32

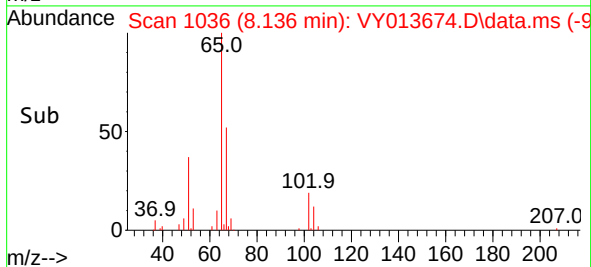
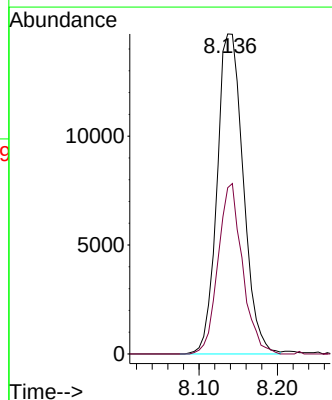
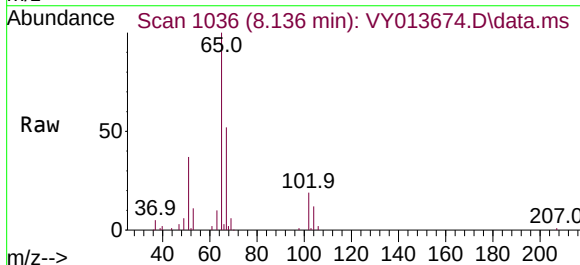
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2ARE

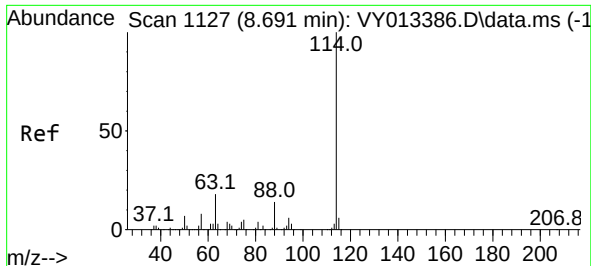
Tgt Ion: 56 Resp: 1248
Ion Ratio Lower Upper
56 100
69 126.9 29.2 43.8#
84 85.6 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 51.745 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013674.D
Acq: 09 May 2023 17:32

Tgt Ion: 65 Resp: 34213
Ion Ratio Lower Upper
65 100
67 49.5 0.0 103.4

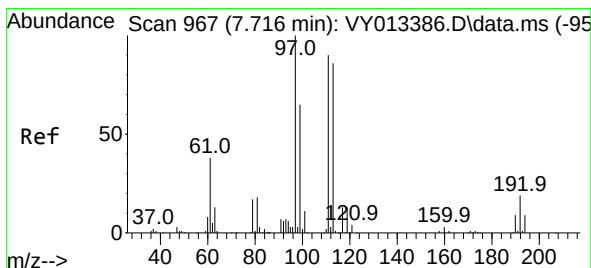
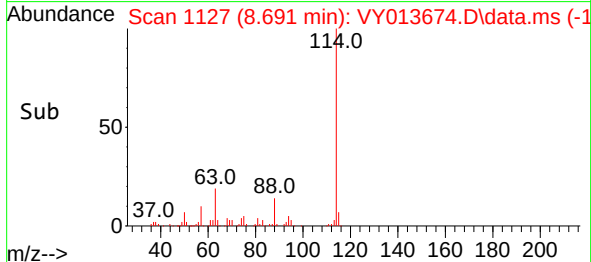
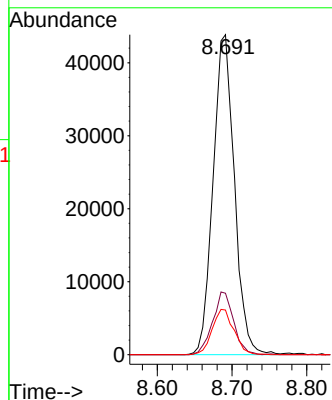
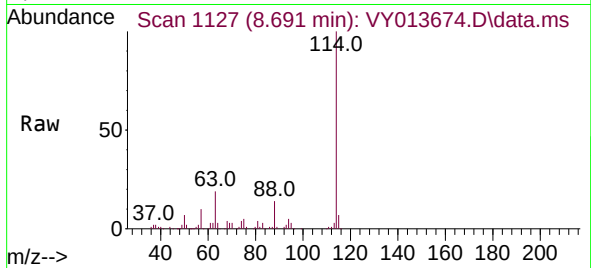




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013674.D
Acq: 09 May 2023 17:32

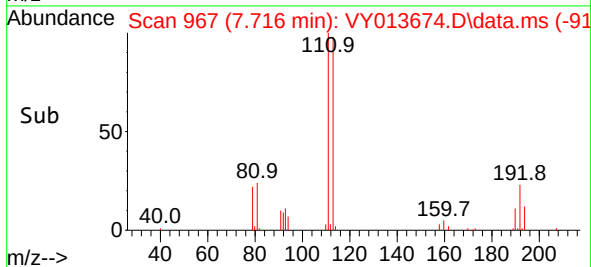
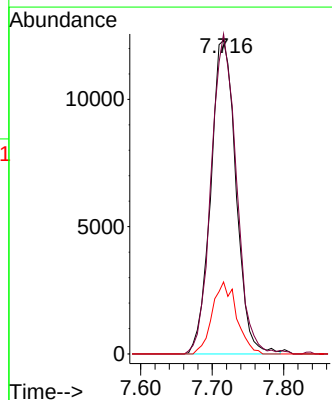
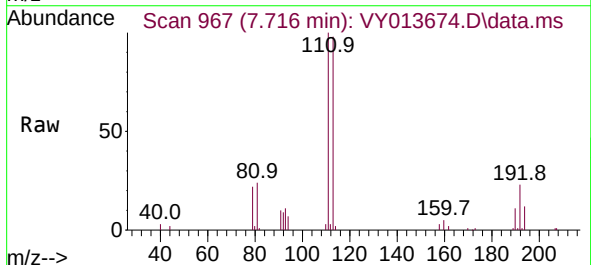
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2ARE

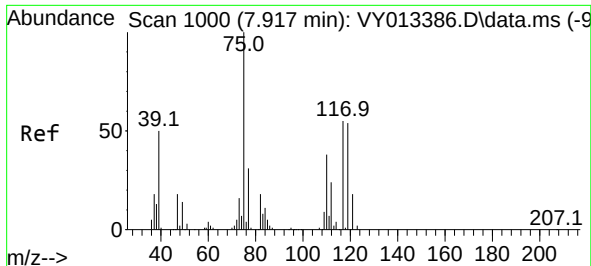
Tgt Ion:	114	Resp:	87019
Ion Ratio	Lower	Upper	
114	100		
63	19.2	0.0	36.6
88	13.9	0.0	28.8



#35
Dibromofluoromethane
Concen: 55.212 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013674.D
Acq: 09 May 2023 17:32

Tgt Ion:	113	Resp:	30218
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.2	123.2
192	22.2	16.7	25.1





#36

1,1-Dichloropropene

Concen: 4.944 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013674.D

Acq: 09 May 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

WZ-2ARE

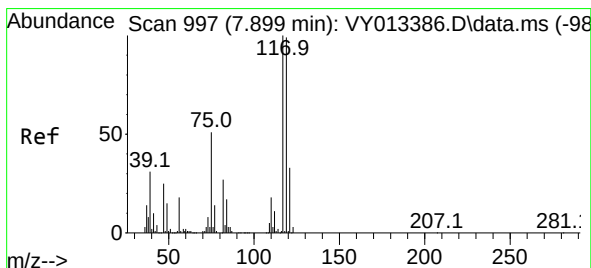
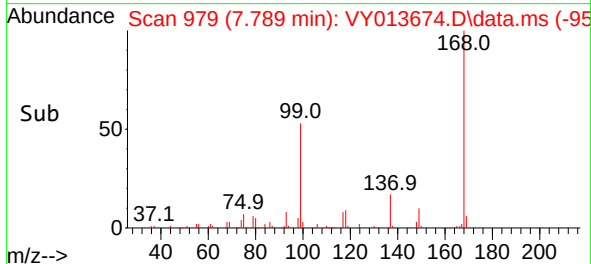
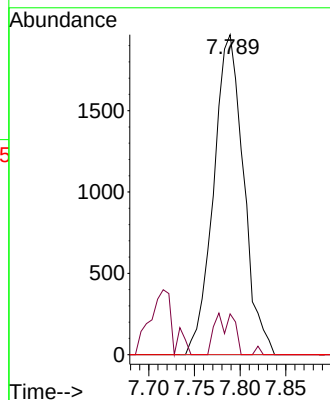
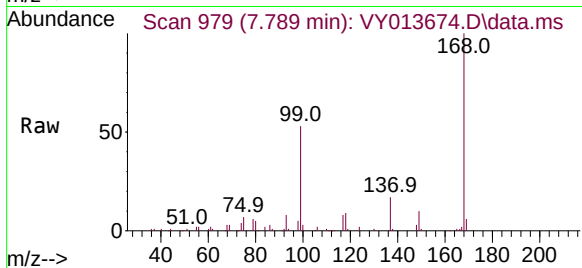
Tgt Ion: 75 Resp: 4491

Ion Ratio Lower Upper

75 100

110 8.2 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.999 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013674.D

Acq: 09 May 2023 17:32

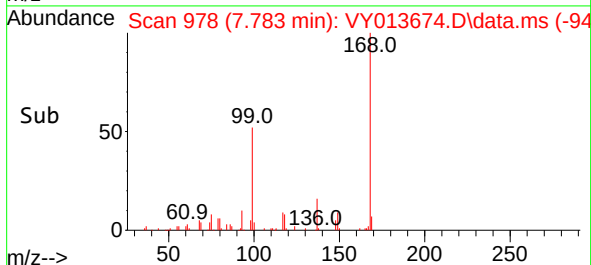
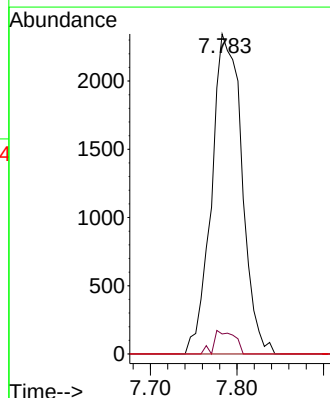
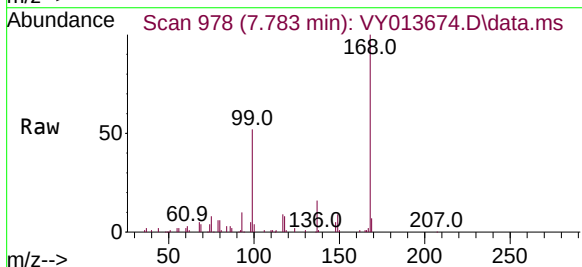
Tgt Ion: 117 Resp: 5711

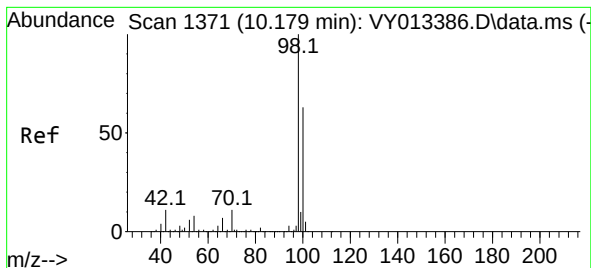
Ion Ratio Lower Upper

117 100

119 6.3 79.0 118.6#

121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 53.663 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013674.D

Acq: 09 May 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

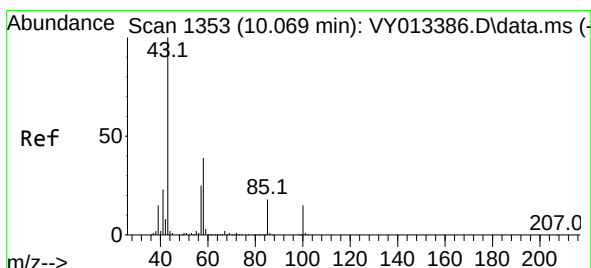
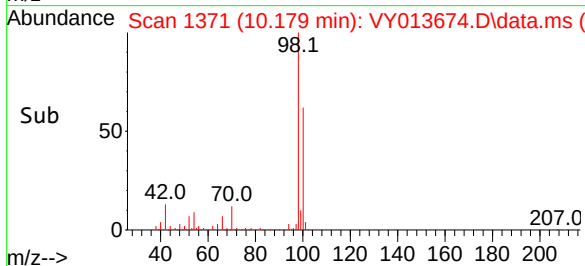
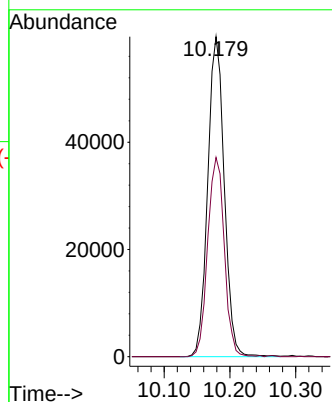
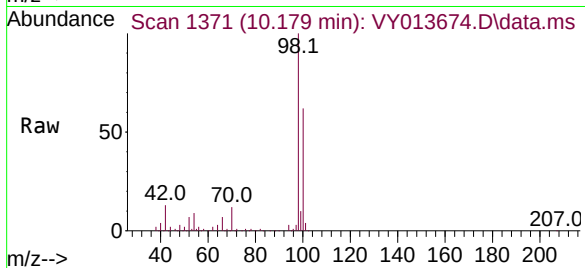
WZ-2ARE

Tgt Ion: 98 Resp: 104482

Ion Ratio Lower Upper

98 100

100 62.3 50.5 75.7



#51

4-Methyl-2-Pentanone

Concen: 1.013 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.104 min

Lab File: VY013674.D

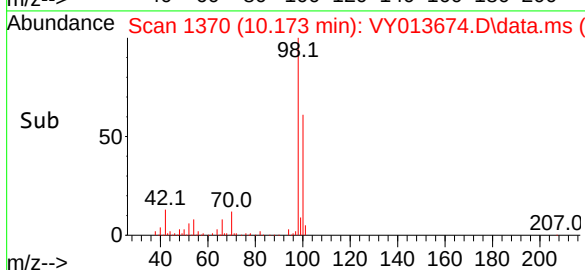
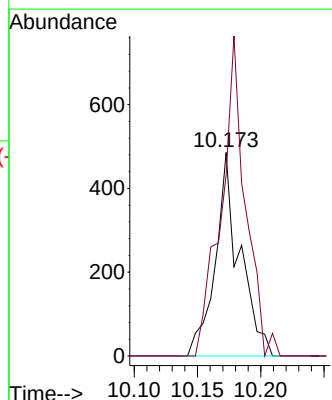
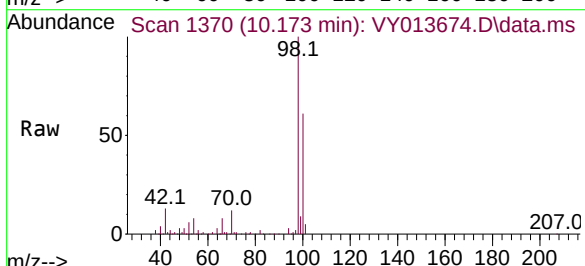
Acq: 09 May 2023 17:32

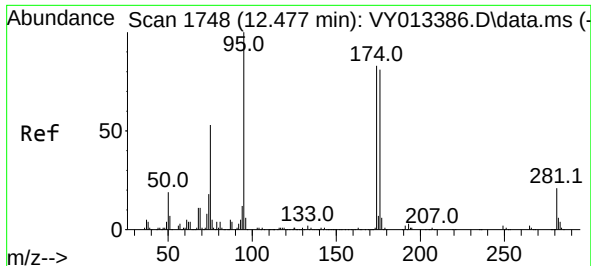
Tgt Ion: 43 Resp: 651

Ion Ratio Lower Upper

43 100

58 156.7 30.6 46.0#

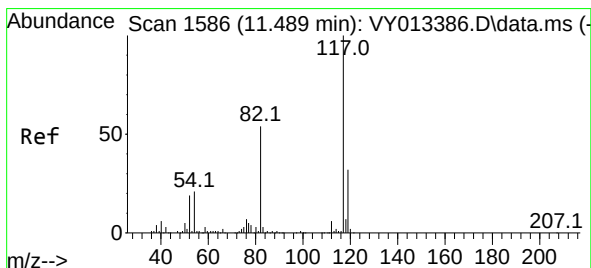
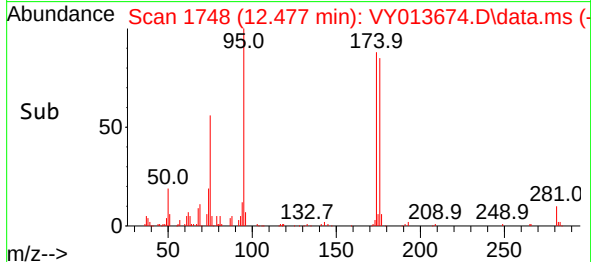
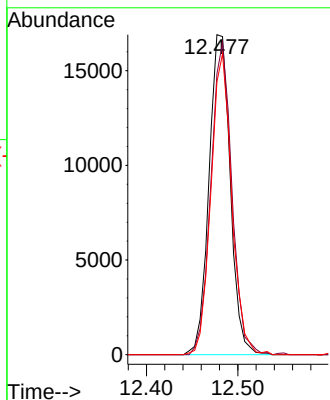
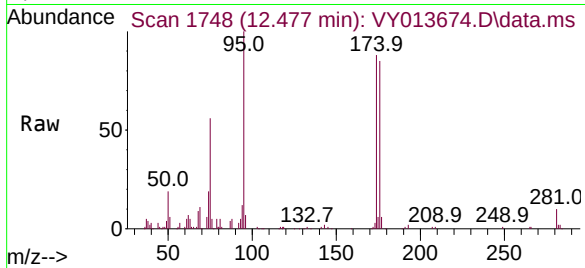




#62
4-Bromofluorobenzene
Concen: 41.578 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013674.D
Acq: 09 May 2023 17:32

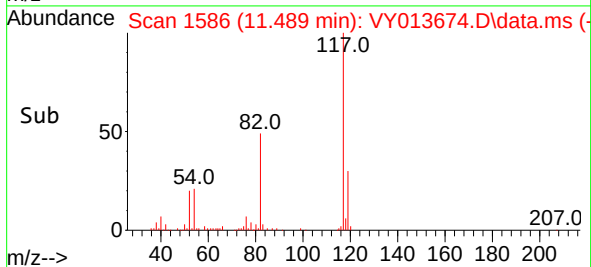
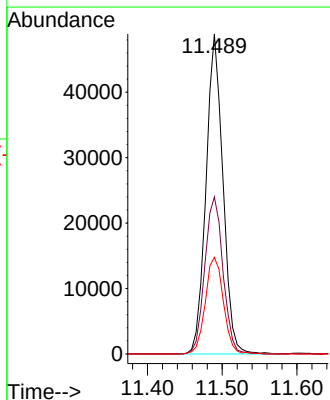
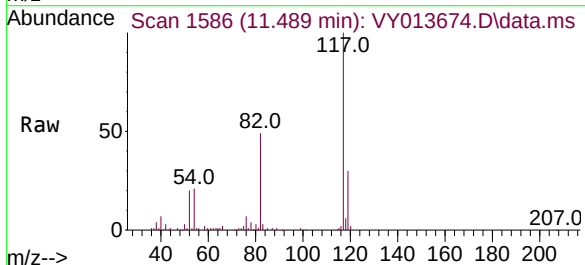
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2ARE

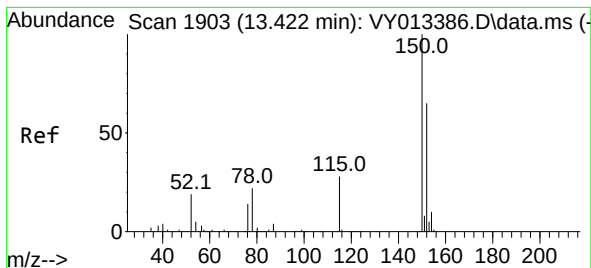
Tgt Ion: 95 Resp: 27291
Ion Ratio Lower Upper
95 100
174 96.5 0.0 182.0
176 92.0 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013674.D
Acq: 09 May 2023 17:32

Tgt Ion: 117 Resp: 76771
Ion Ratio Lower Upper
117 100
82 49.1 43.0 64.6
119 30.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013674.D

Acq: 09 May 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

WZ-2ARE

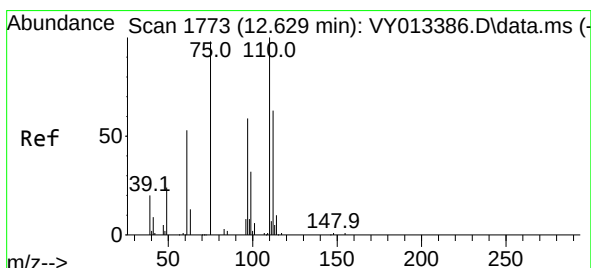
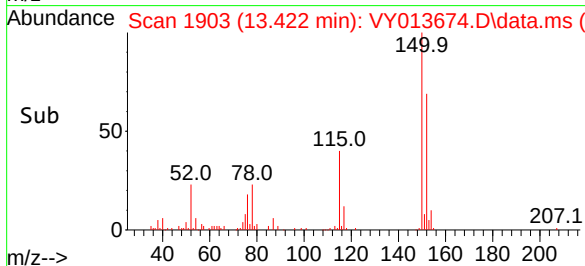
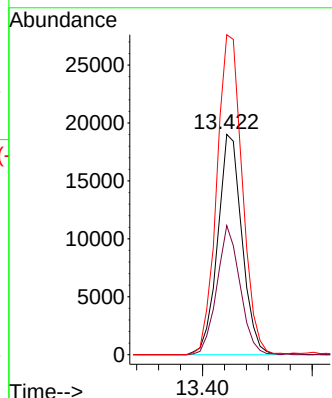
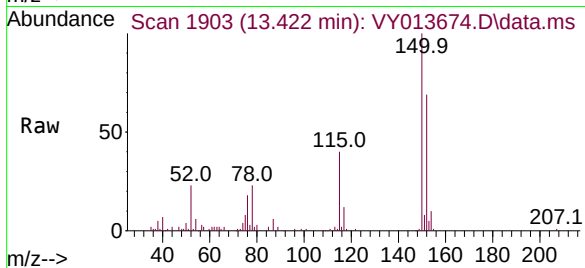
Tgt Ion:152 Resp: 29225

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.2

150 152.4 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 36.640 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013674.D

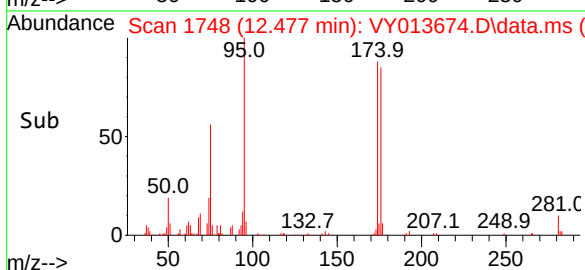
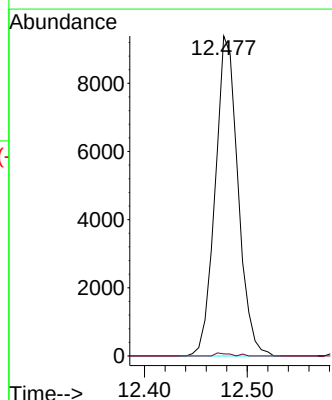
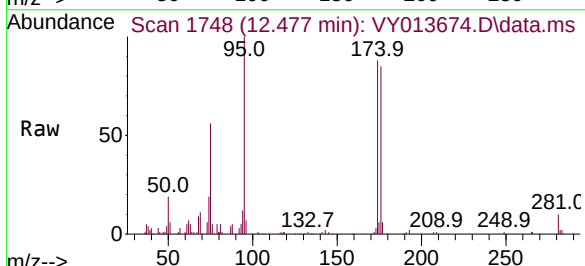
Acq: 09 May 2023 17:32

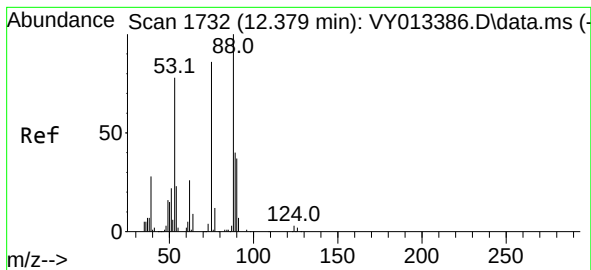
Tgt Ion: 75 Resp: 14441

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.949 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013674.D
 Acq: 09 May 2023 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 WZ-2ARE

Tgt Ion: 75 Resp: 14441
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 38.0 57.0#

