

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051023\
 Data File : VY013691.D
 Acq On : 10 May 2023 16:30
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 11 03:29:54 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	193562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	328765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	322237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	148133	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	137772	64.930	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.860%
35) Dibromofluoromethane	7.716	113	112475	54.394	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.780%
50) Toluene-d8	10.179	98	403206	54.814	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.620%
62) 4-Bromofluorobenzene	12.483	95	130382	52.576	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.160%

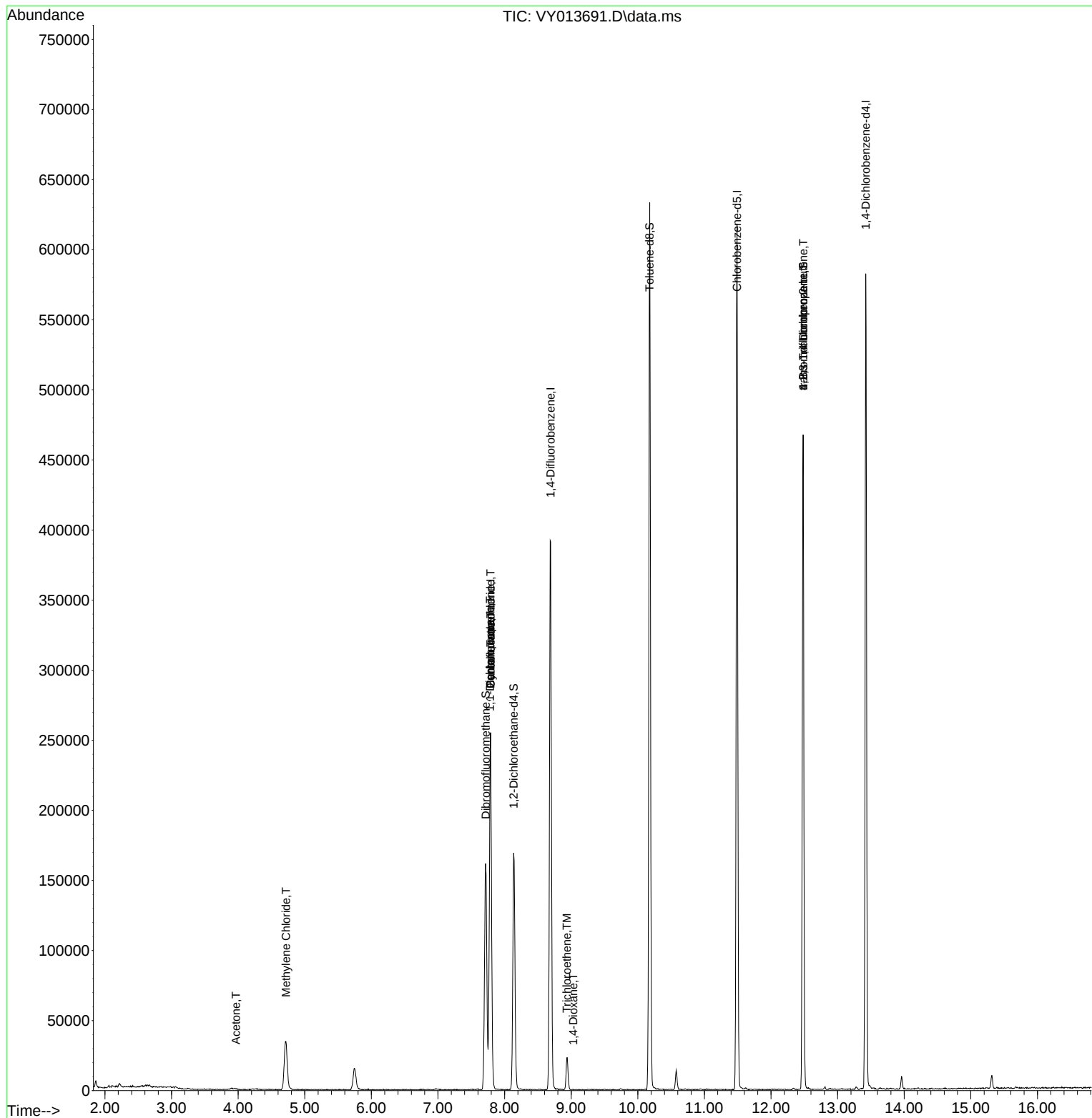
Target Compounds					Qvalue	
13) Acrolein	3.973	56	45	Below Cal	#	16
16) Acetone	3.967	43	1214	1.453	ug/l	96
20) Methylene Chloride	4.716	84	25779	2.097	ug/l	95
31) Cyclohexane	7.789	56	4632	1.219	ug/l	# 30
36) 1,1-Dichloropropene	7.783	75	14687	4.280	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	18837	5.237	ug/l	# 14
44) Trichloroethene	8.935	130	8452	3.287	ug/l	97
49) 1,4-Dioxane	9.033	88	30	1.389	ug/l	# 25
76) 1,2,3-Trichloropropane	12.483	75	71440	35.760	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	71440	73.149	ug/l	# 13

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

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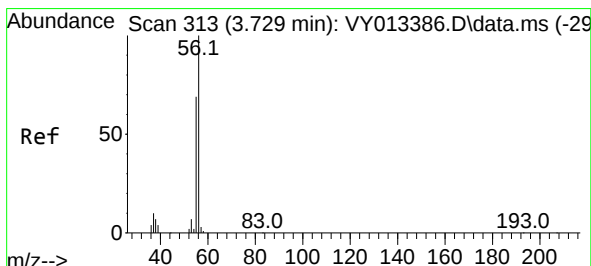
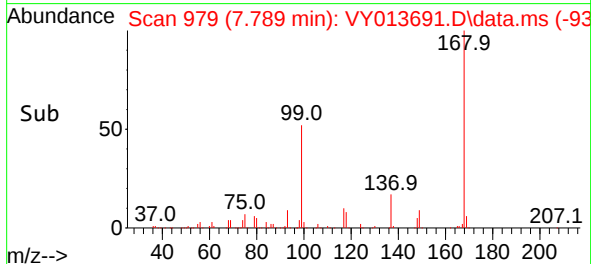
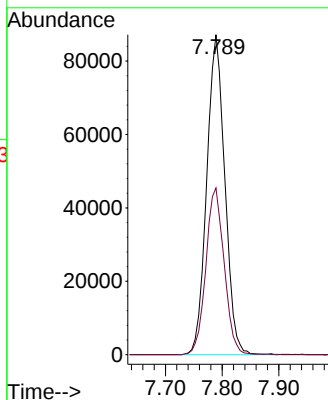
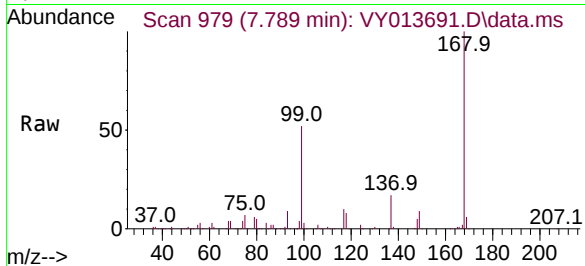




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013691.D
Acq: 10 May 2023 16:30

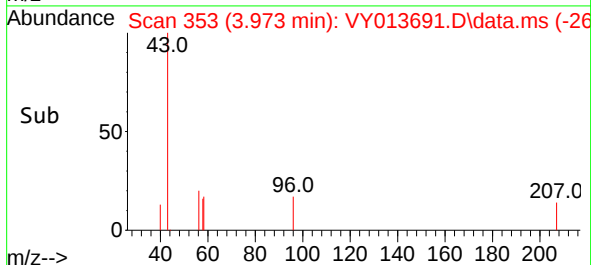
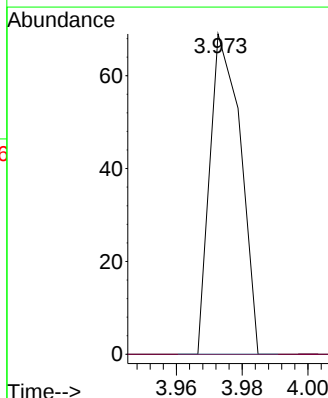
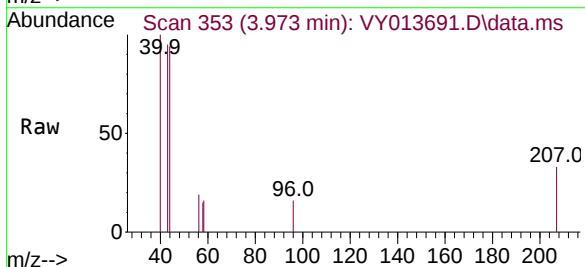
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

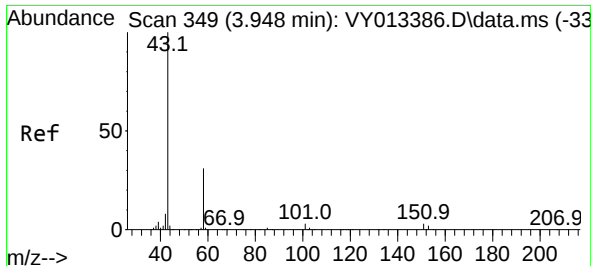
Tgt Ion:168 Resp: 193562
Ion Ratio Lower Upper
168 100
99 52.1 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.973 min Scan# 353
Delta R.T. 0.244 min
Lab File: VY013691.D
Acq: 10 May 2023 16:30

Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#





#16

Acetone

Concen: 1.453 ug/l

RT: 3.967 min Scan# 3

Delta R.T. 0.019 min

Lab File: VY013691.D

Acq: 10 May 2023 16:30

Instrument :

MSVOA_Y

ClientSampleId :

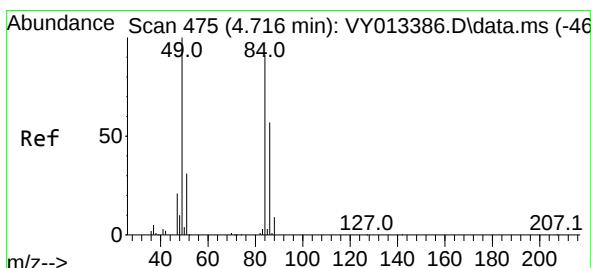
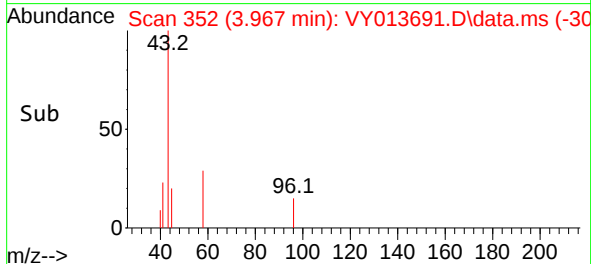
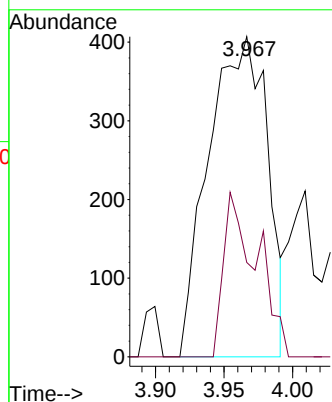
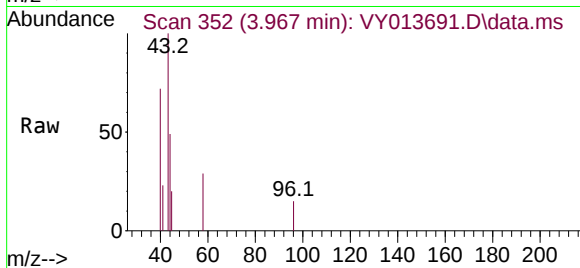
VIBLK

Tgt Ion: 43 Resp: 1214

Ion Ratio Lower Upper

43 100

58 29.5 25.4 38.0



#20

Methylene Chloride

Concen: 2.097 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013691.D

Acq: 10 May 2023 16:30

Tgt Ion: 84 Resp: 25779

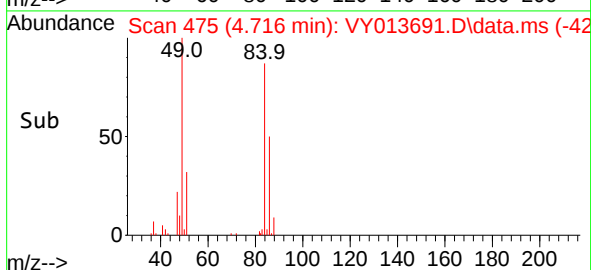
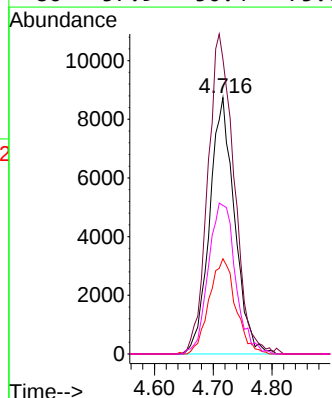
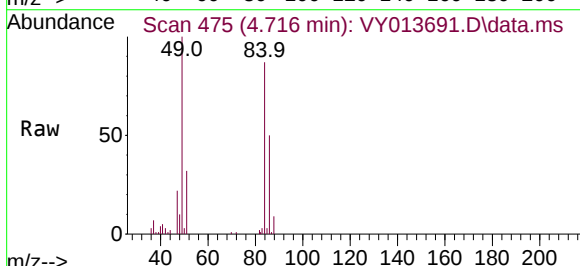
Ion Ratio Lower Upper

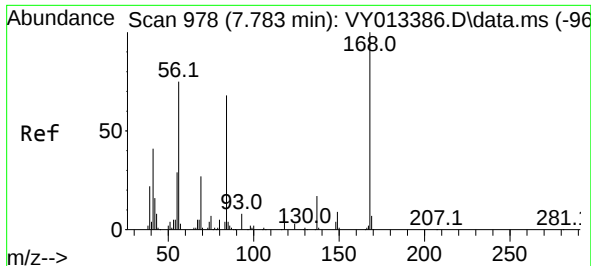
84 100

49 115.1 88.0 132.0

51 37.2 27.4 41.0

86 57.9 50.4 75.6

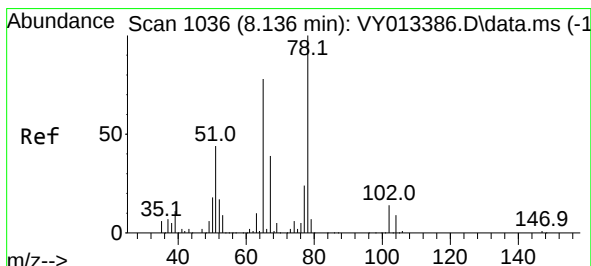
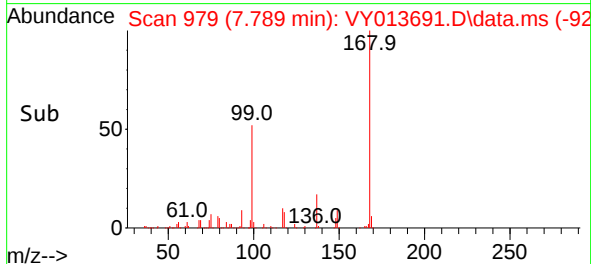
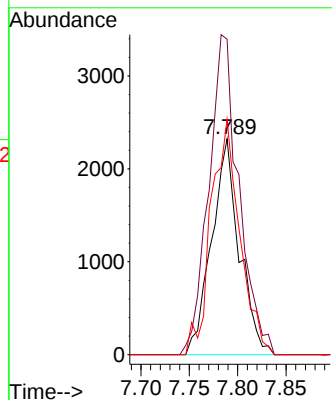
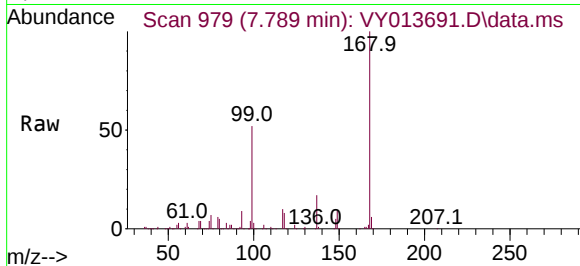




#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013691.D
Acq: 10 May 2023 16:30

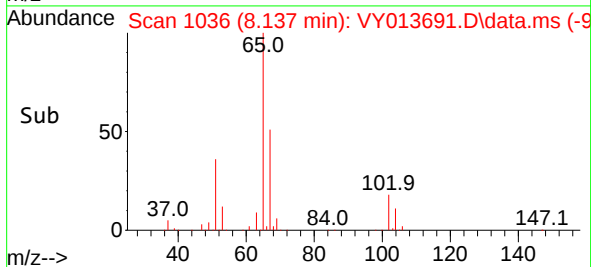
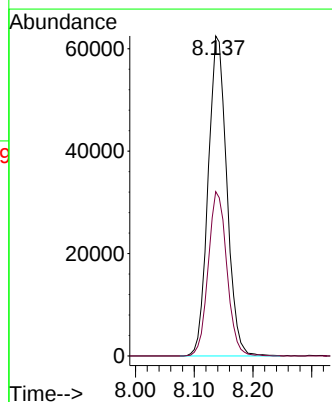
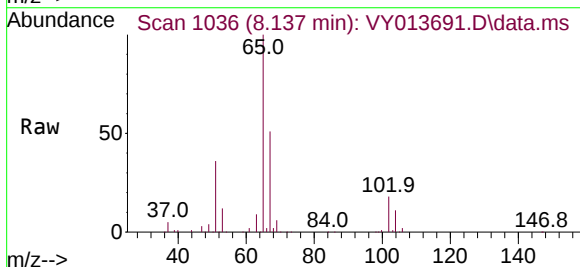
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

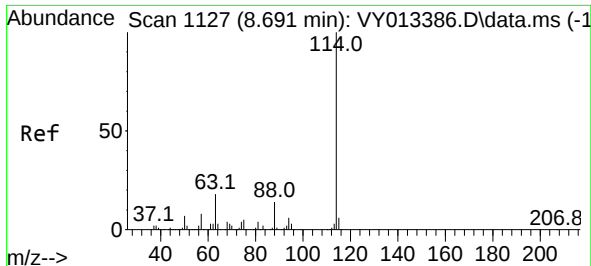
Tgt Ion: 56 Resp: 4632
Ion Ratio Lower Upper
56 100
69 146.1 29.2 43.8#
84 113.8 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 64.930 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY013691.D
Acq: 10 May 2023 16:30

Tgt Ion: 65 Resp: 137772
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.4

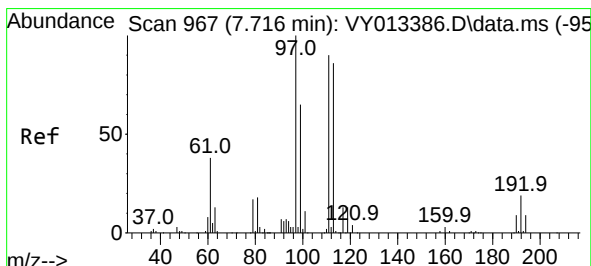
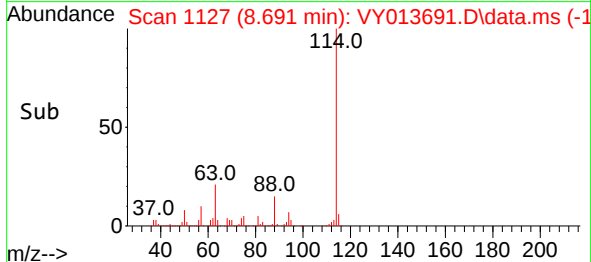
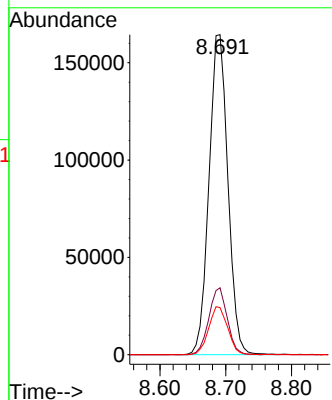
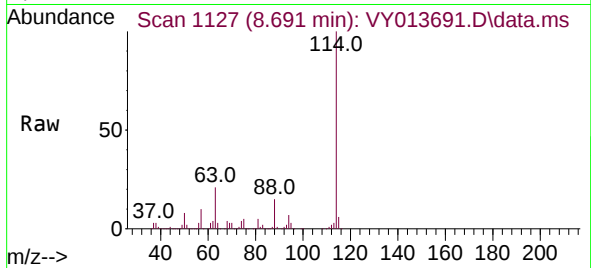




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013691.D
Acq: 10 May 2023 16:30

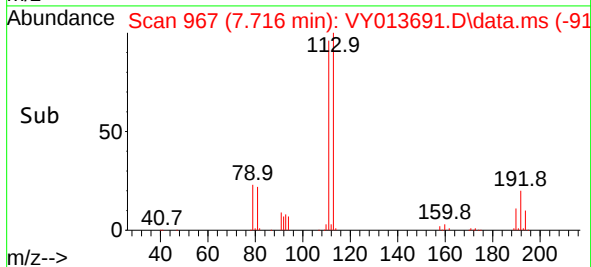
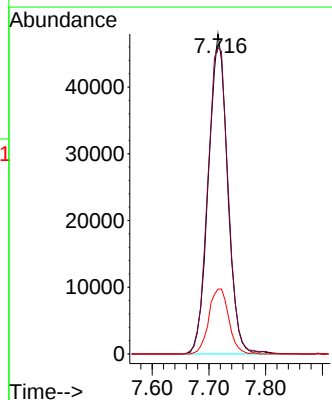
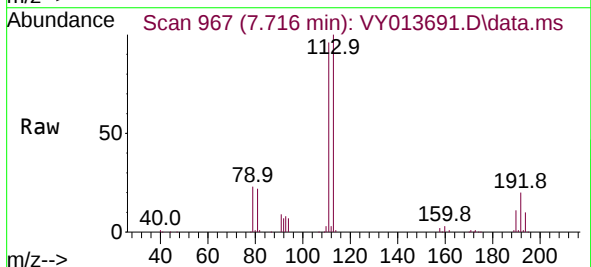
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

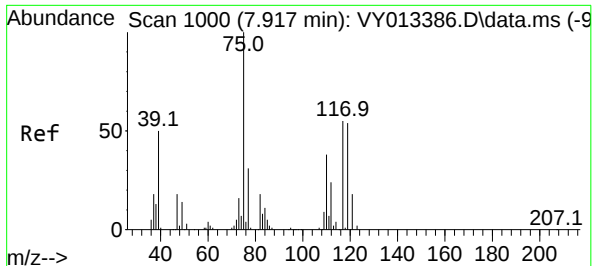
Tgt Ion:114 Resp: 328765
Ion Ratio Lower Upper
114 100
63 20.9 0.0 36.6
88 14.7 0.0 28.8



#35
Dibromofluoromethane
Concen: 54.394 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013691.D
Acq: 10 May 2023 16:30

Tgt Ion:113 Resp: 112475
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 21.1 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.280 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013691.D

Acq: 10 May 2023 16:30

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

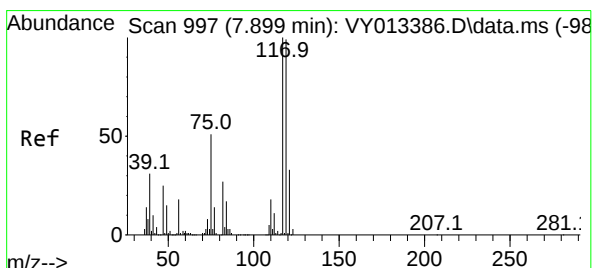
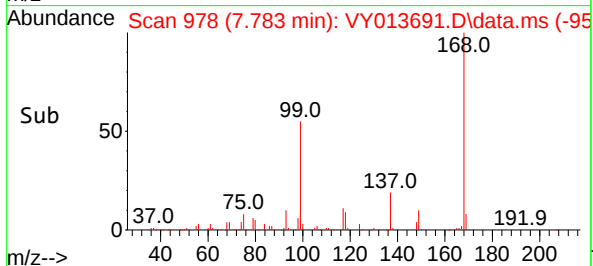
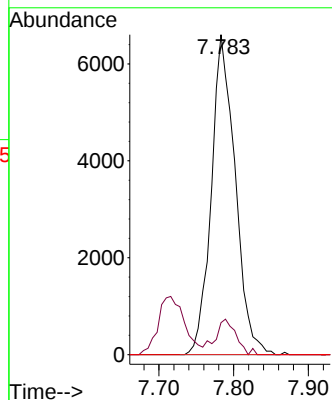
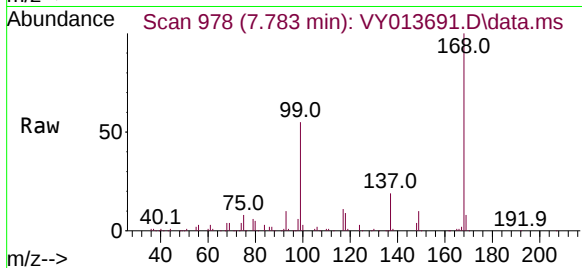
Tgt Ion: 75 Resp: 14687

Ion Ratio Lower Upper

75 100

110 9.6 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.237 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013691.D

Acq: 10 May 2023 16:30

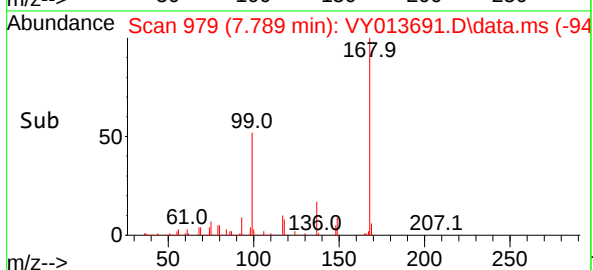
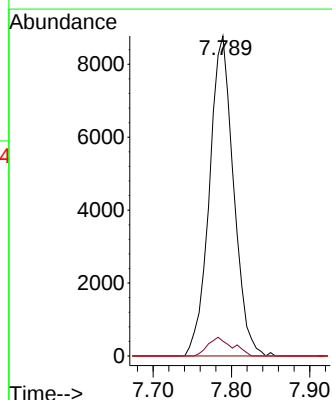
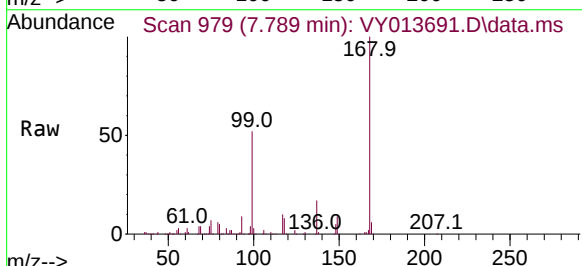
Tgt Ion: 117 Resp: 18837

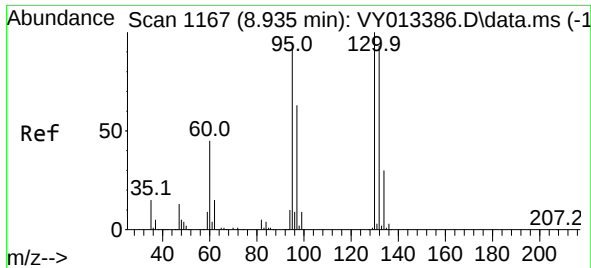
Ion Ratio Lower Upper

117 100

119 4.6 79.0 118.6#

121 0.0 26.6 40.0#

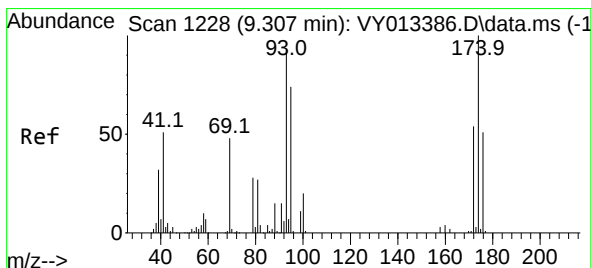
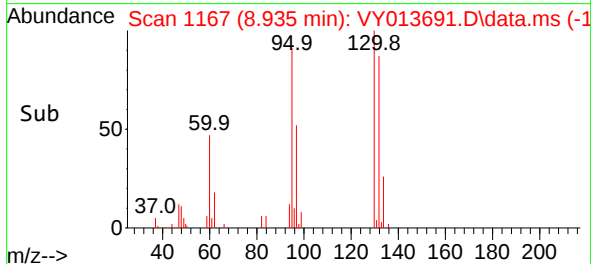
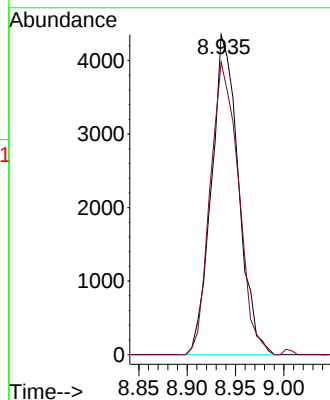
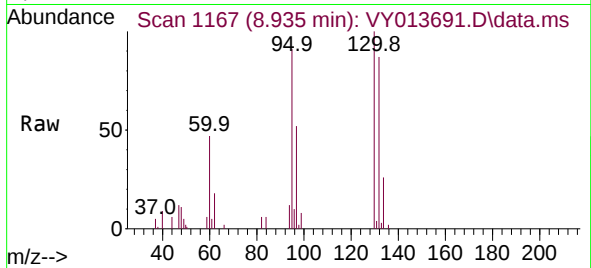




#44
Trichloroethene
Concen: 3.287 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VY013691.D
Acq: 10 May 2023 16:30

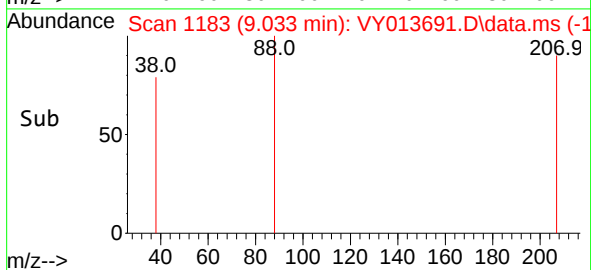
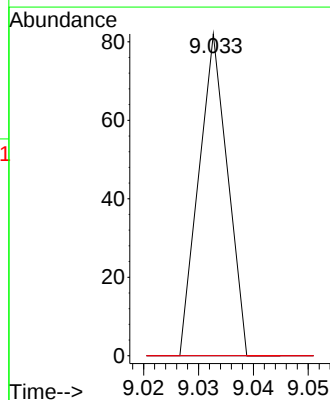
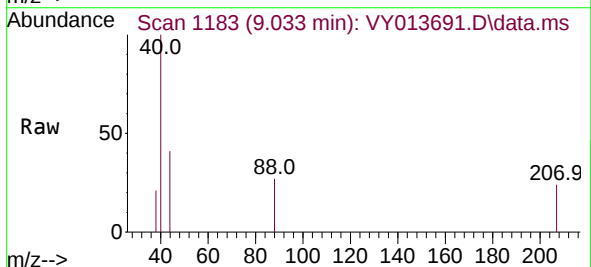
Instrument :
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VIBLK

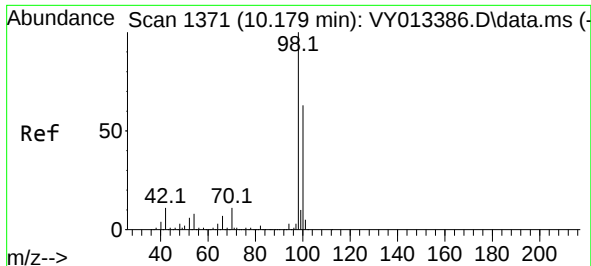
Tgt Ion:130 Resp: 8452
Ion Ratio Lower Upper
130 100
95 91.4 0.0 188.8



#49
1,4-Dioxane
Concen: 1.389 ug/l
RT: 9.033 min Scan# 1183
Delta R.T. -0.274 min
Lab File: VY013691.D
Acq: 10 May 2023 16:30

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 16.8 25.2#
58 0.0 54.3 81.5#

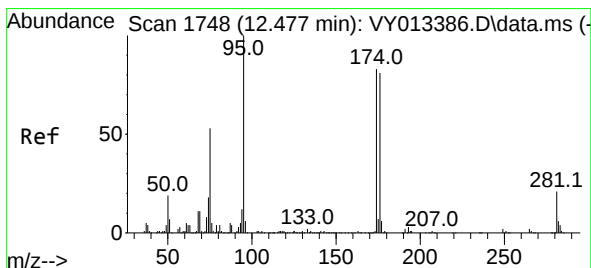
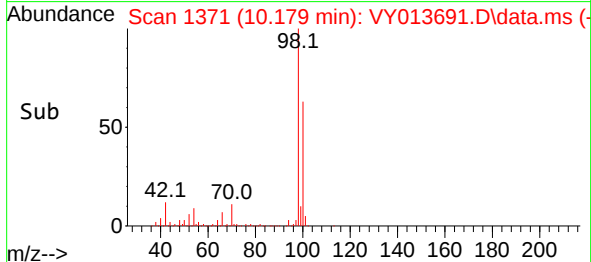
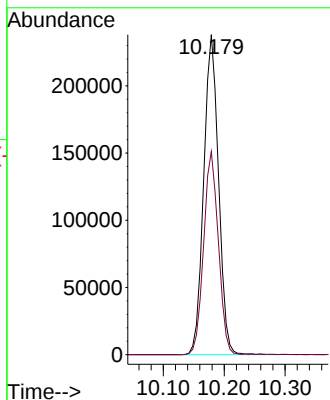
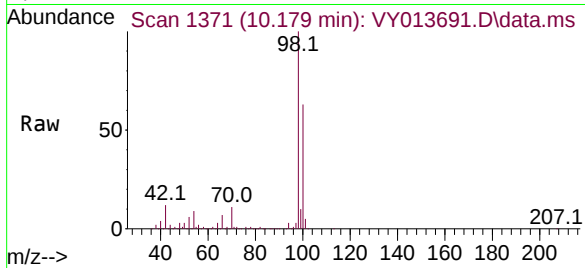




#50
Toluene-d8
Concen: 54.814 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013691.D
Acq: 10 May 2023 16:30

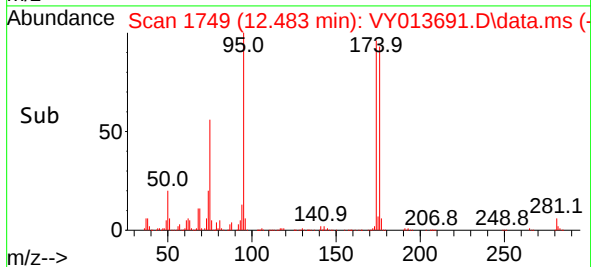
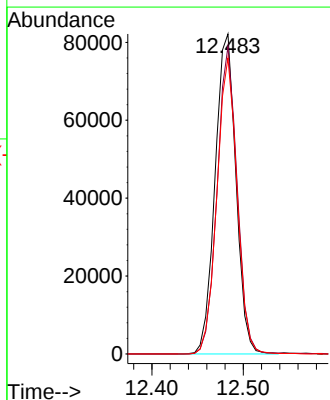
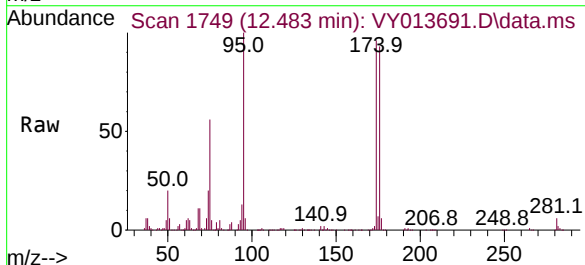
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

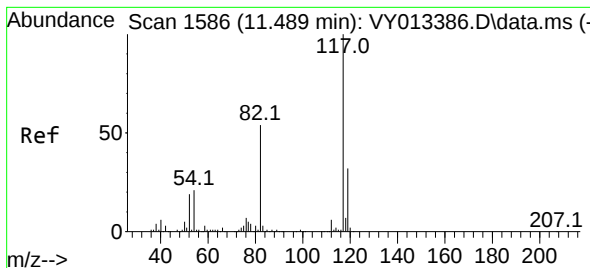
Tgt Ion: 98 Resp: 403206
Ion Ratio Lower Upper
98 100
100 63.0 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 52.576 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013691.D
Acq: 10 May 2023 16:30

Tgt Ion: 95 Resp: 130382
Ion Ratio Lower Upper
95 100
174 92.3 0.0 182.0
176 89.7 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013691.D

Acq: 10 May 2023 16:30

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

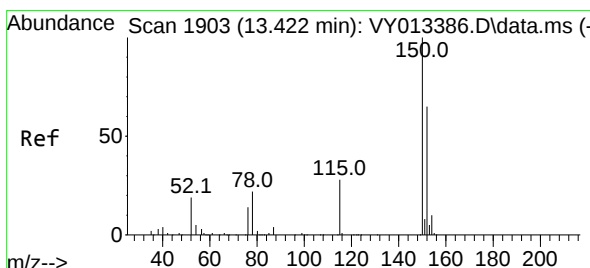
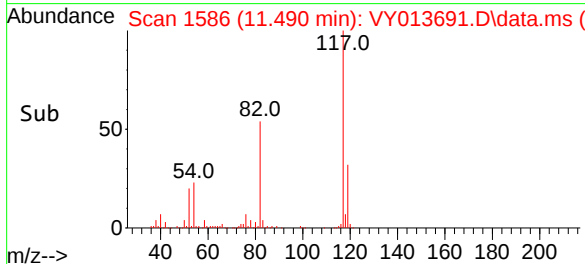
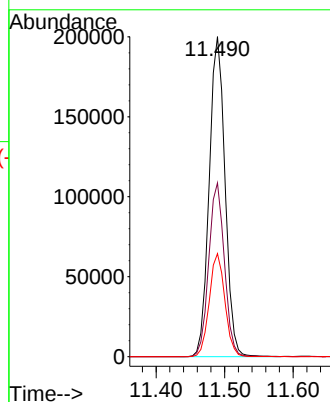
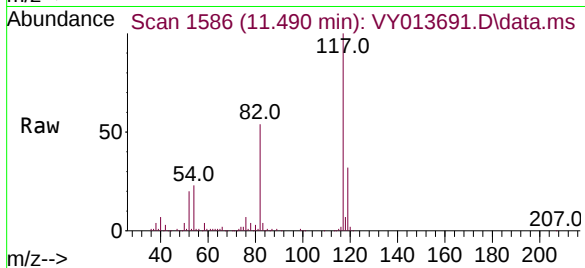
Tgt Ion:117 Resp: 322237

Ion Ratio Lower Upper

117 100

82 54.3 43.0 64.6

119 32.2 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: VY013691.D

Acq: 10 May 2023 16:30

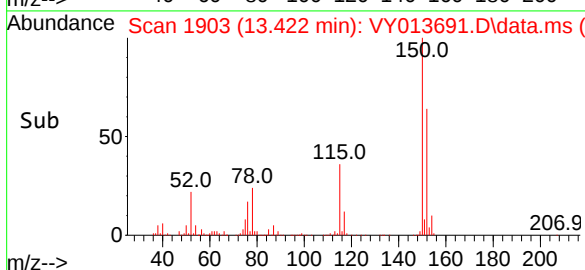
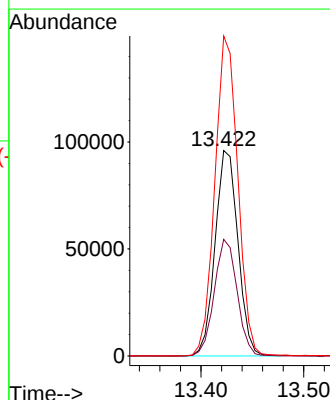
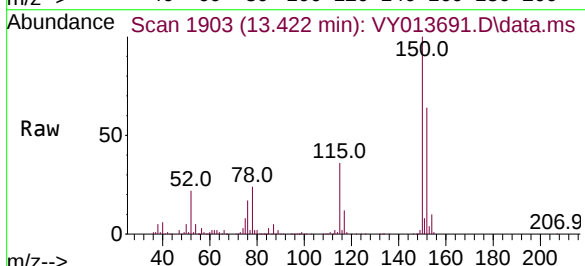
Tgt Ion:152 Resp: 148133

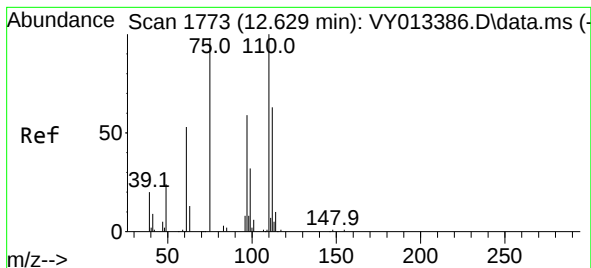
Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.2

150 156.7 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 35.760 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013691.D

Acq: 10 May 2023 16:30

Instrument :

MSVOA_Y

ClientSampleId :

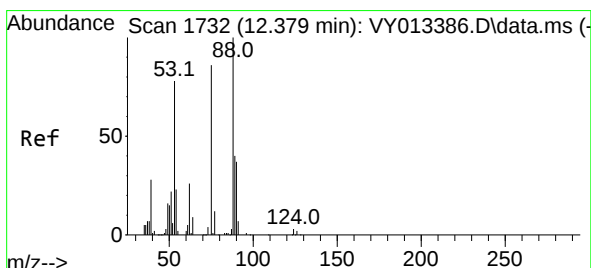
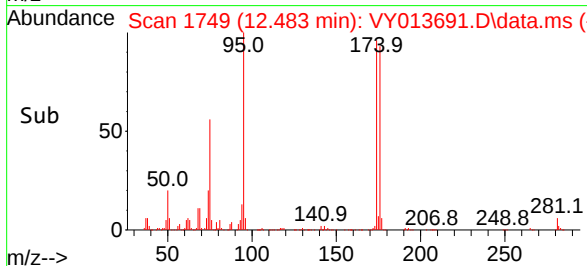
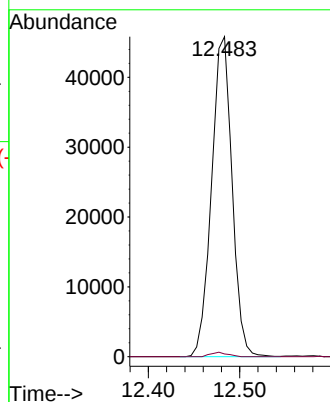
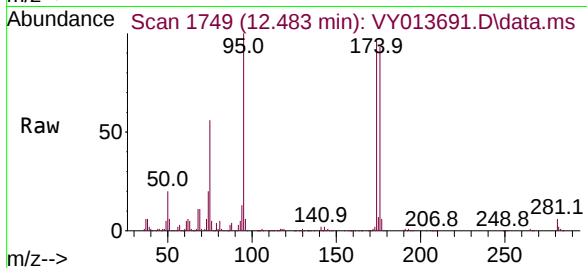
VIBLK

Tgt Ion: 75 Resp: 71440

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.149 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY013691.D

Acq: 10 May 2023 16:30

Tgt Ion: 75 Resp: 71440

Ion Ratio Lower Upper

75 100

53 0.2 73.2 109.8#

89 0.0 38.0 57.0#

