

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013751.D
 Acq On : 16 May 2023 11:58
 Operator : KP/MD
 Sample : VY0516SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBL01

Quant Time: May 17 07:43:22 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)

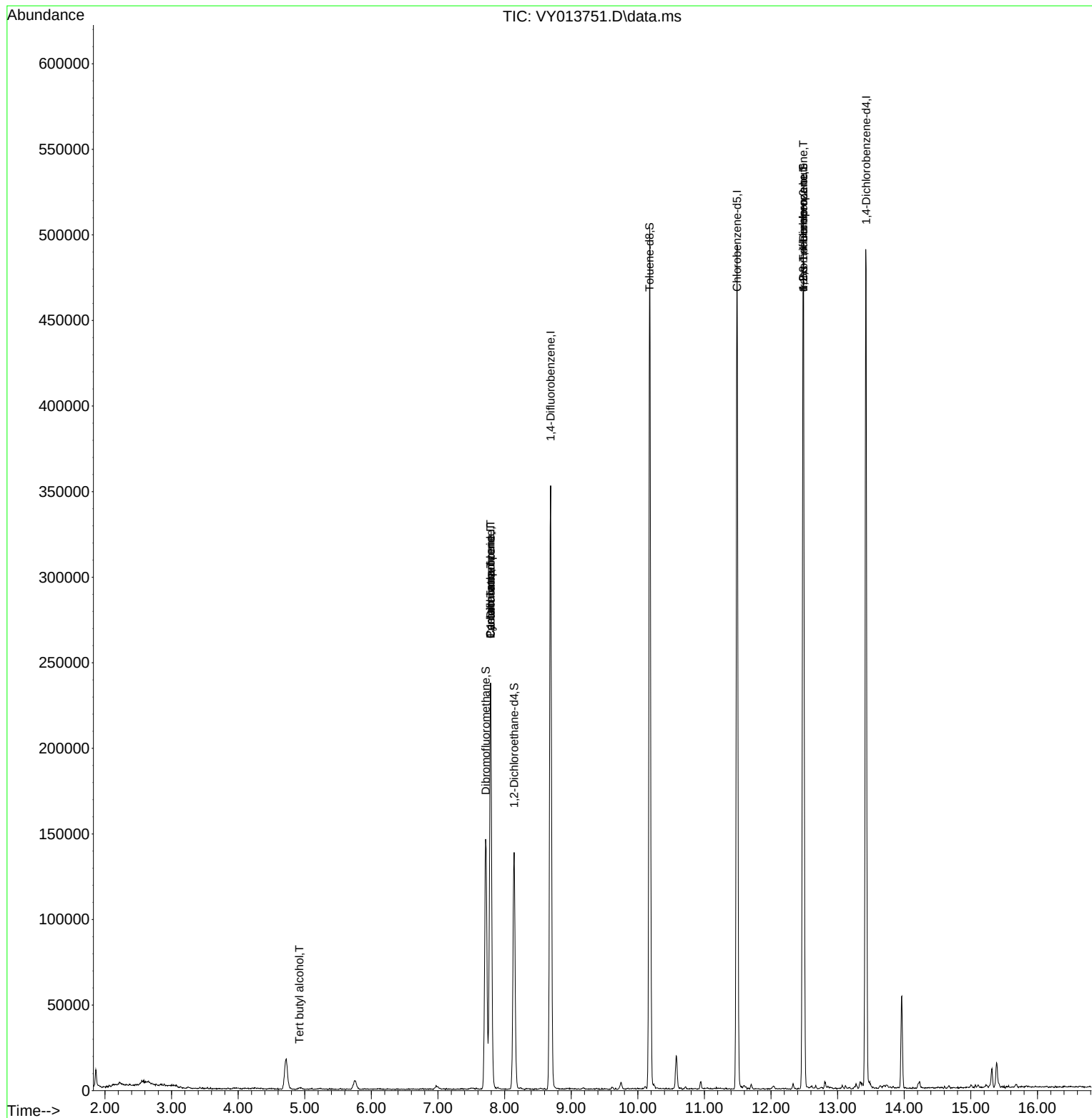
Internal Standards						
1) Pentafluorobenzene	7.789	168	179229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	258349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	110579	56.282	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.560%
35) Dibromofluoromethane	7.716	113	102089	56.812	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.620%
50) Toluene-d8	10.179	98	314996	49.276	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.560%
62) 4-Bromofluorobenzene	12.483	95	111243	51.619	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.240%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	754	4.048	ug/l #	89
13) Acrolein	3.741	56	42	Below Cal	#	10
20) Methylene Chloride	4.722	84	12719	Below Cal	#	78
31) Cyclohexane	7.789	56	4404	1.252	ug/l #	29
36) 1,1-Dichloropropene	7.789	75	14042	4.708	ug/l #	49
38) Carbon Tetrachloride	7.789	117	17969	5.749	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	60744	36.053	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	60744	73.749	ug/l #	13

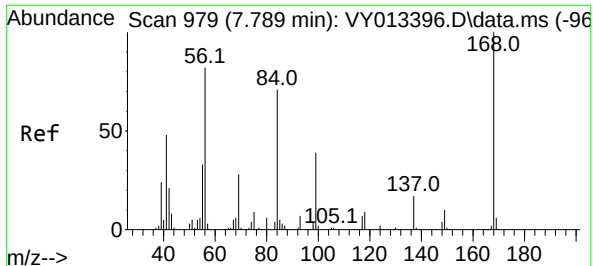
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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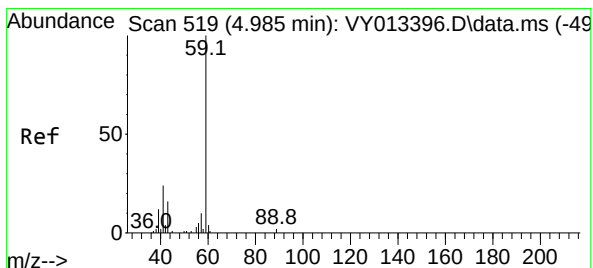
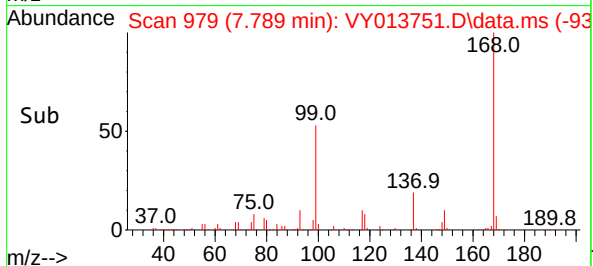
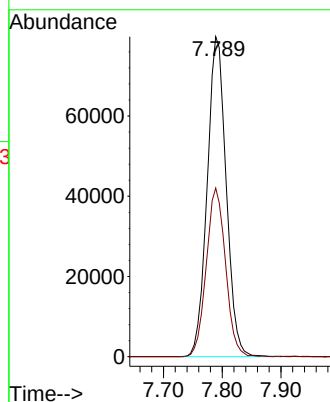
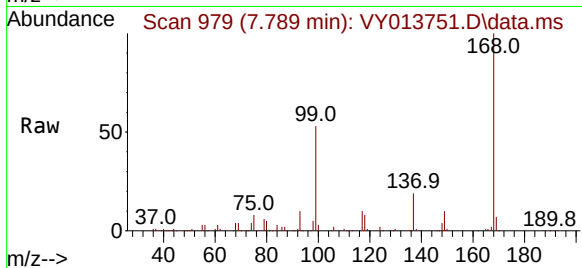




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013751.D
Acq: 16 May 2023 11:58

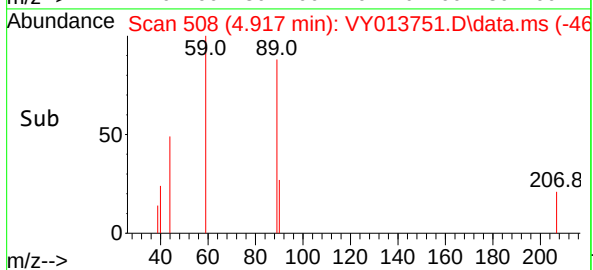
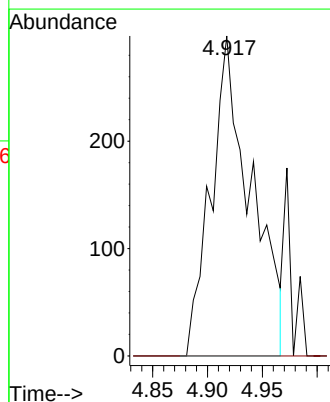
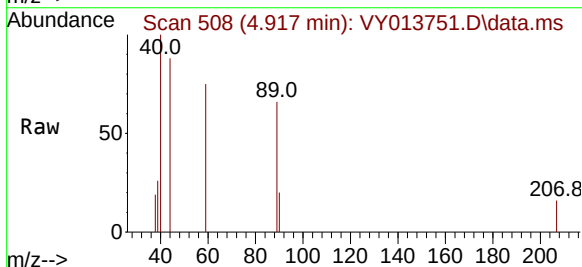
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

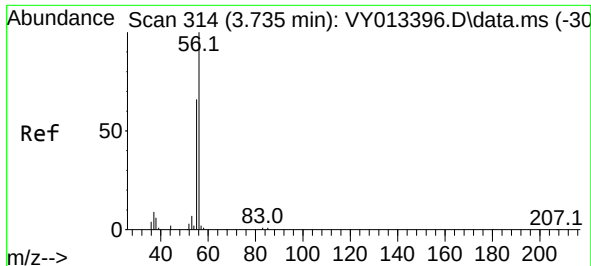
Tgt Ion:168 Resp: 179229
Ion Ratio Lower Upper
168 100
99 52.7 41.8 62.6



#11
Tert butyl alcohol
Concen: 4.048 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.061 min
Lab File: VY013751.D
Acq: 16 May 2023 11:58

Tgt Ion: 59 Resp: 754
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.741 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY013751.D

Acq: 16 May 2023 11:58

Instrument :

MSVOA_Y

ClientSampleId :

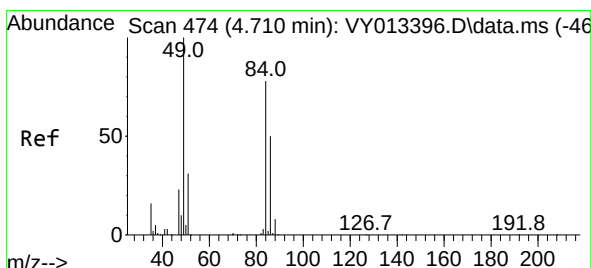
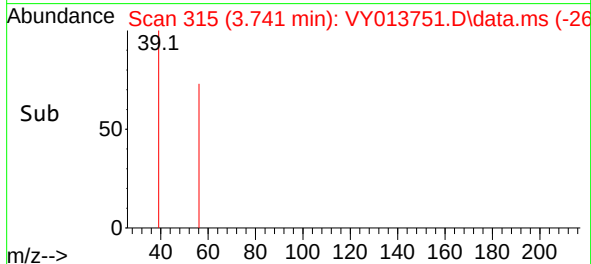
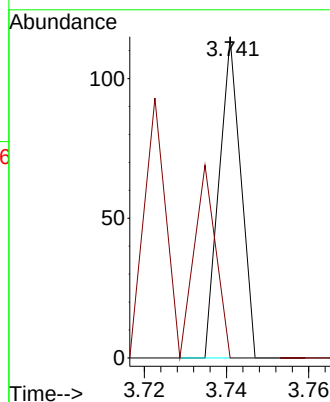
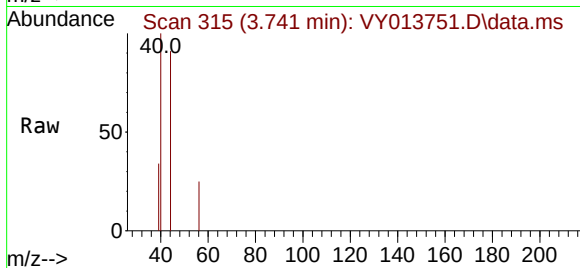
VY0516SBL01

Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 140.5 54.1 81.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY013751.D

Acq: 16 May 2023 11:58

Tgt Ion: 84 Resp: 12719

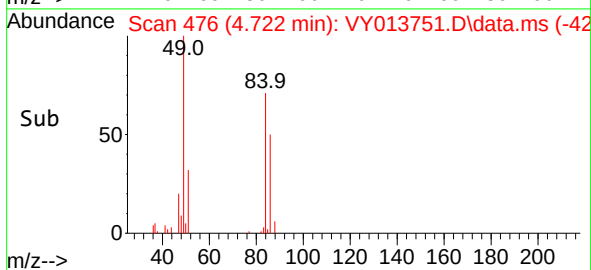
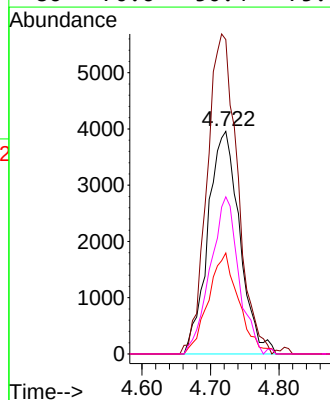
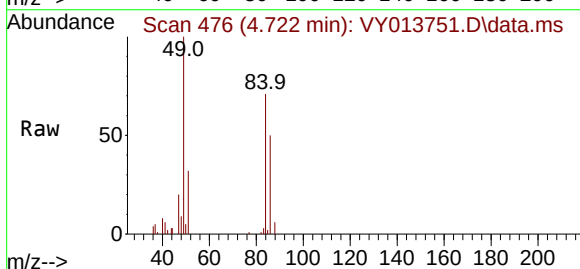
Ion Ratio Lower Upper

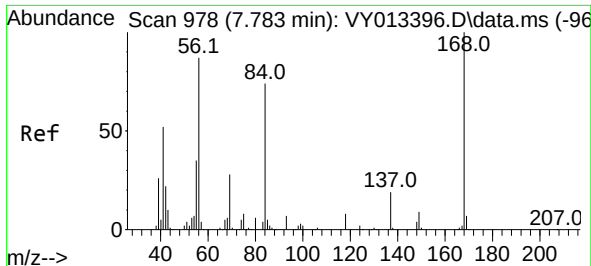
84 100

49 141.2 88.0 132.0#

51 45.4 27.4 41.0#

86 70.6 50.4 75.6

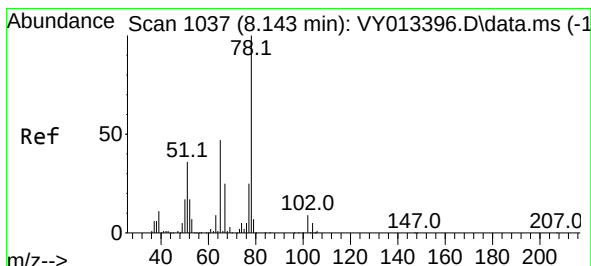
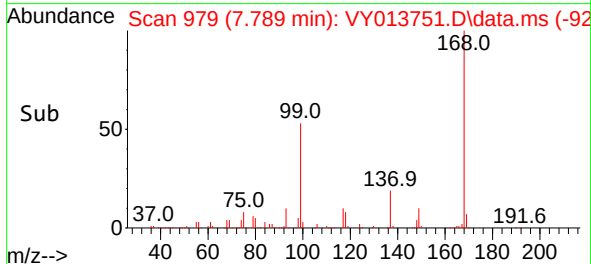
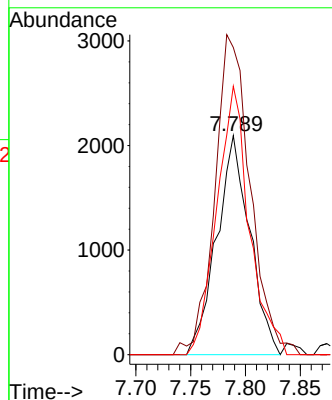
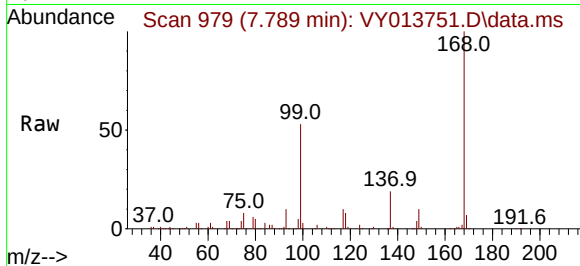




#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013751.D
Acq: 16 May 2023 11:58

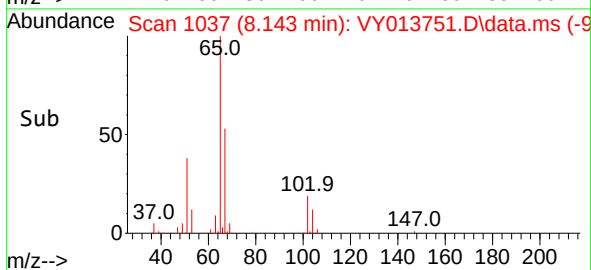
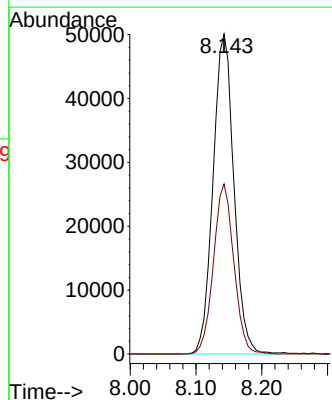
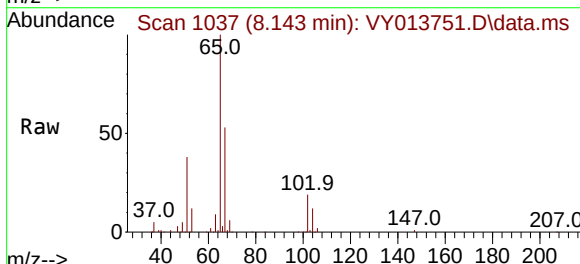
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

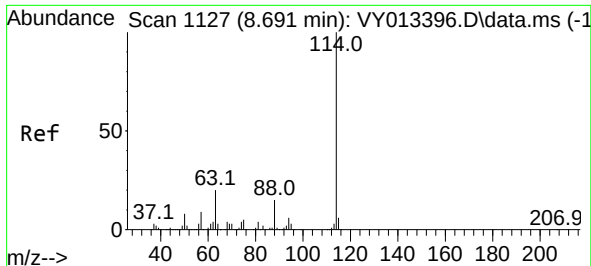
Tgt Ion: 56 Resp: 4404
Ion Ratio Lower Upper
56 100
69 135.1 29.2 43.8#
84 122.6 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 56.282 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013751.D
Acq: 16 May 2023 11:58

Tgt Ion: 65 Resp: 110579
Ion Ratio Lower Upper
65 100
67 51.9 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: VY013751.D

Acq: 16 May 2023 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBL01

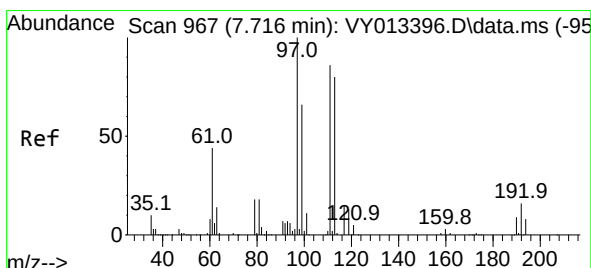
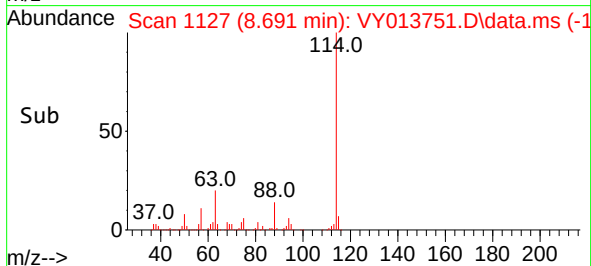
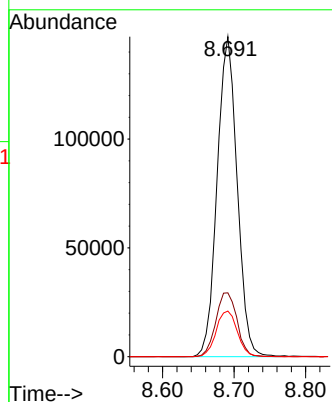
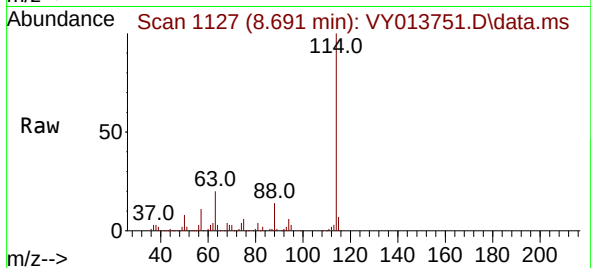
Tgt Ion:114 Resp: 285706

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.6

88 14.2 0.0 28.8



#35

Dibromofluoromethane

Concen: 56.812 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013751.D

Acq: 16 May 2023 11:58

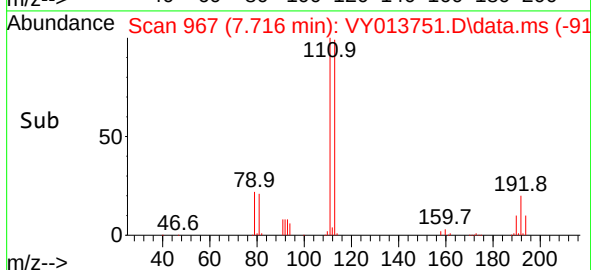
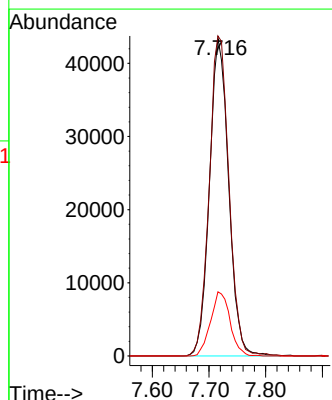
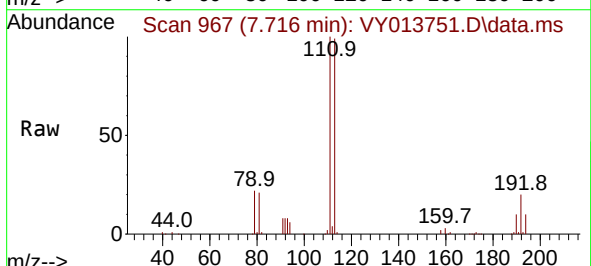
Tgt Ion:113 Resp: 102089

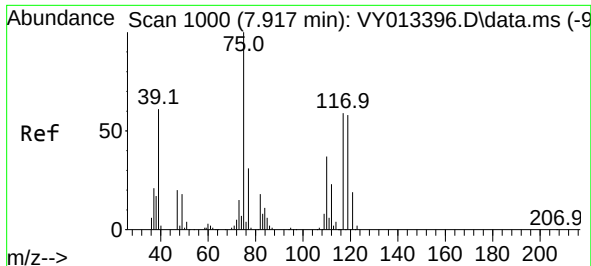
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.2

192 20.5 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.708 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013751.D

Acq: 16 May 2023 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBL01

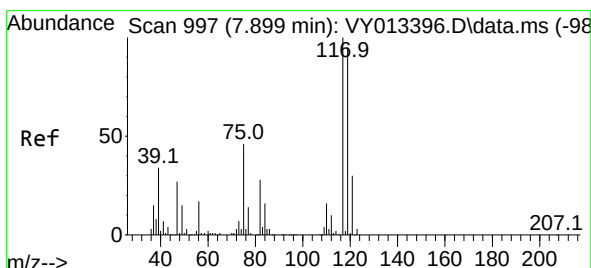
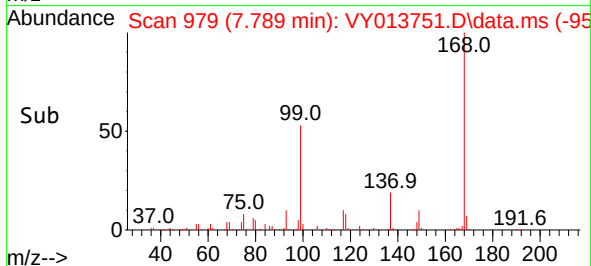
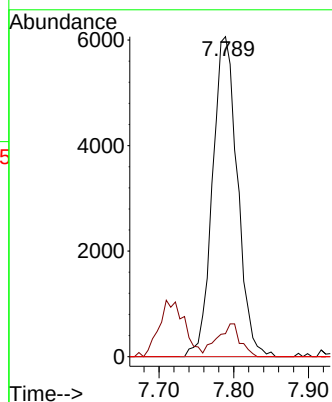
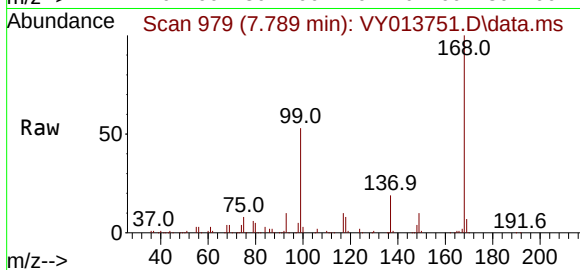
Tgt Ion: 75 Resp: 14042

Ion Ratio Lower Upper

75 100

110 9.4 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.749 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013751.D

Acq: 16 May 2023 11:58

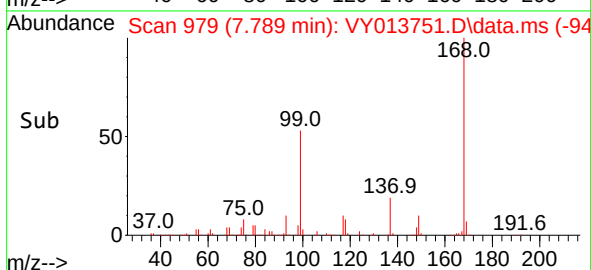
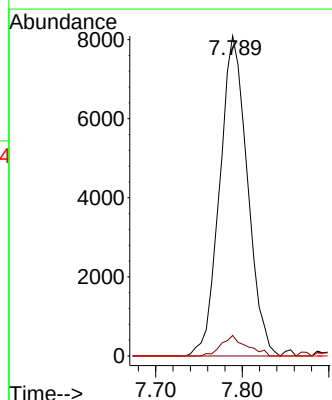
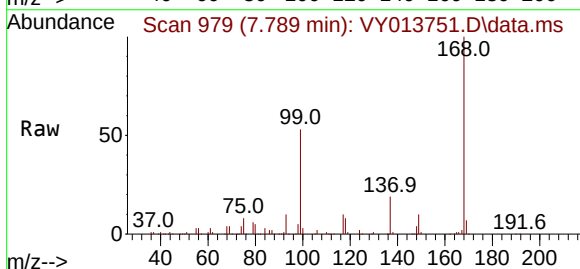
Tgt Ion: 117 Resp: 17969

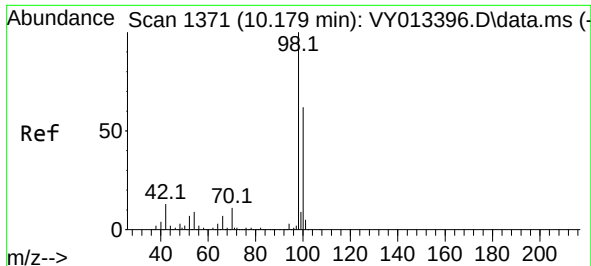
Ion Ratio Lower Upper

117 100

119 6.4 79.0 118.6#

121 0.0 26.6 40.0#

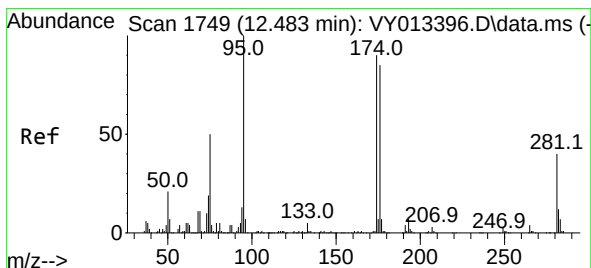
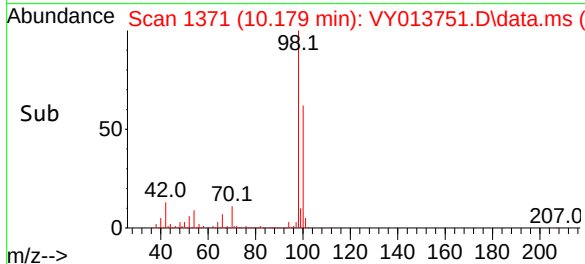
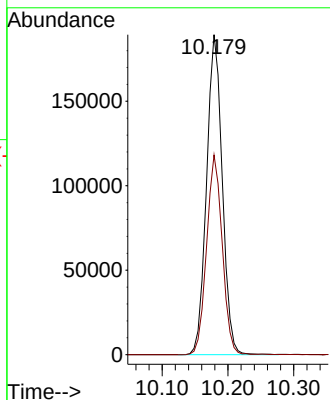
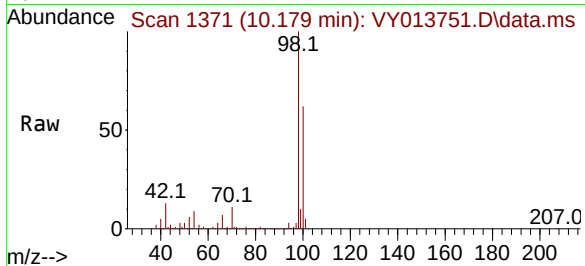




#50
Toluene-d8
Concen: 49.276 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013751.D
Acq: 16 May 2023 11:58

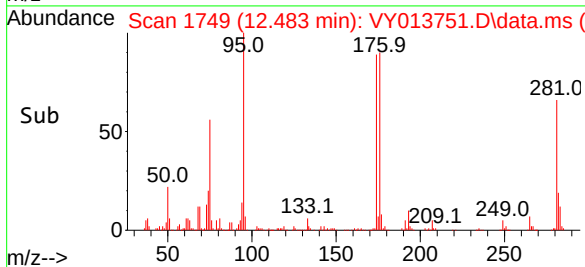
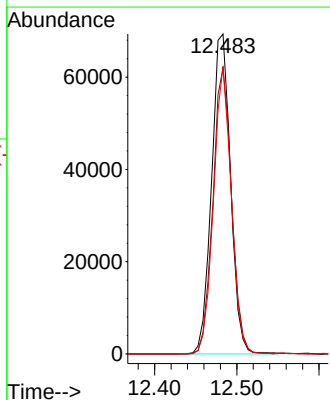
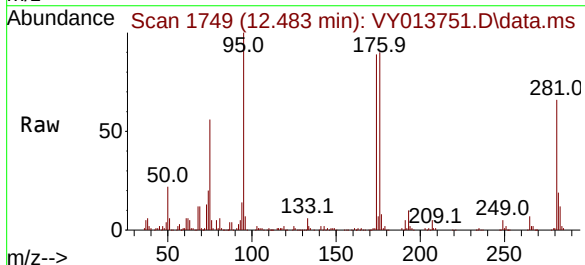
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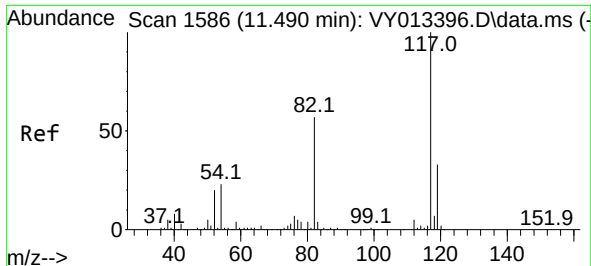
Tgt Ion: 98 Resp: 314996
Ion Ratio Lower Upper
98 100
100 62.0 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 51.619 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013751.D
Acq: 16 May 2023 11:58

Tgt Ion: 95 Resp: 111243
Ion Ratio Lower Upper
95 100
174 88.0 0.0 182.0
176 84.4 0.0 175.4

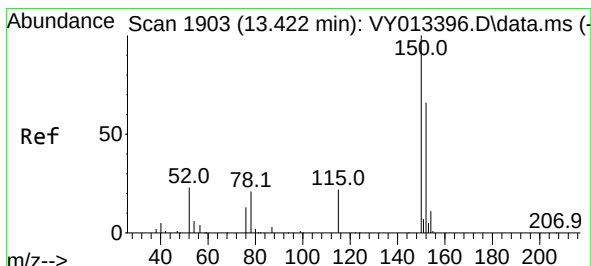
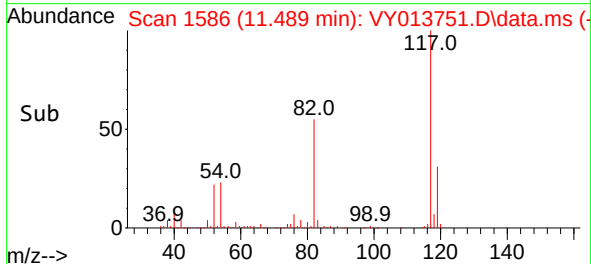
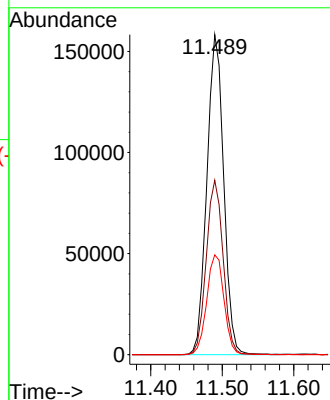
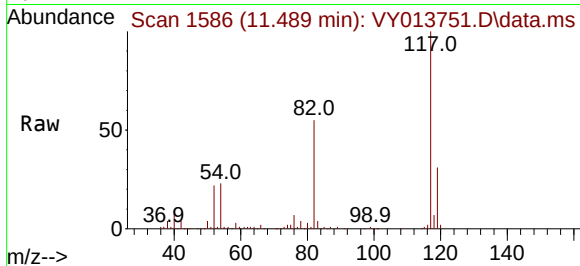




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013751.D
Acq: 16 May 2023 11:58

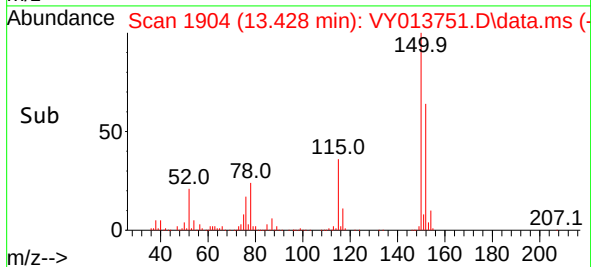
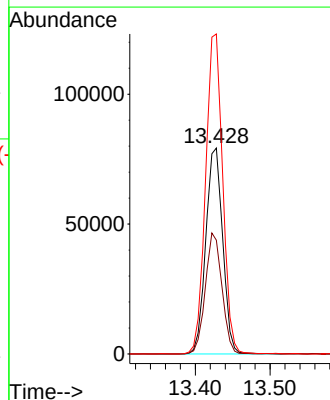
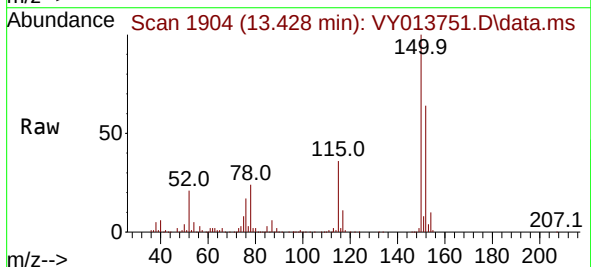
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

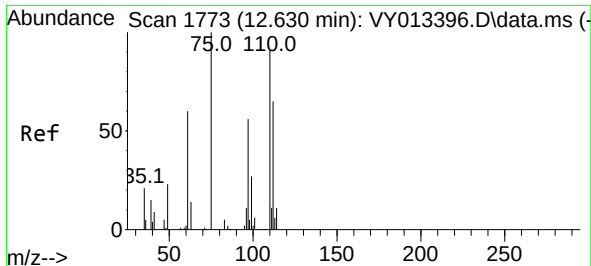
Tgt Ion:117 Resp: 258349
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.6
119 31.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013751.D
Acq: 16 May 2023 11:58

Tgt Ion:152 Resp: 124930
Ion Ratio Lower Upper
152 100
115 57.6 28.1 84.2
150 156.7 0.0 352.0

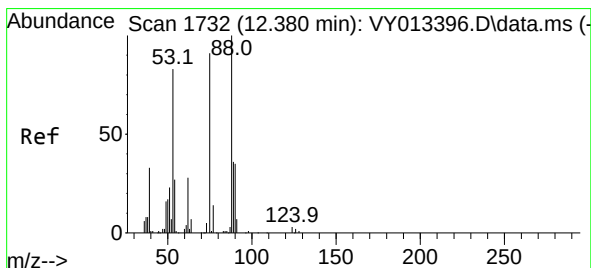
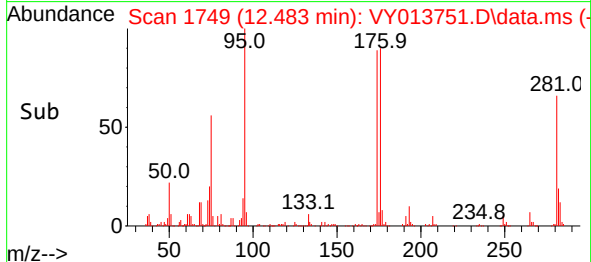
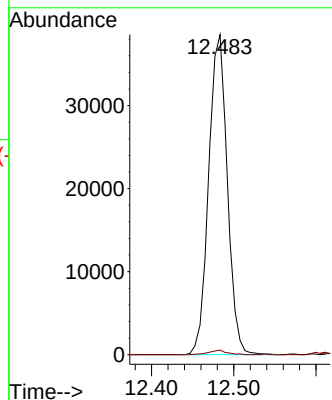
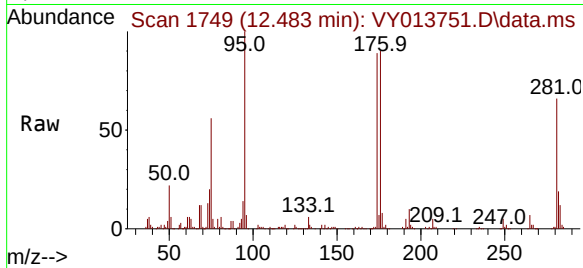




#76
 1,2,3-Trichloropropane
 Concen: 36.053 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY013751.D
 Acq: 16 May 2023 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBL01

Tgt Ion: 75 Resp: 60744
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.749 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY013751.D
 Acq: 16 May 2023 11:58

Tgt Ion: 75 Resp: 60744
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.2 109.8#
 89 0.8 38.0 57.0#

