

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013732.D
 Acq On : 15 May 2023 13:19
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 16 01:30:08 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)

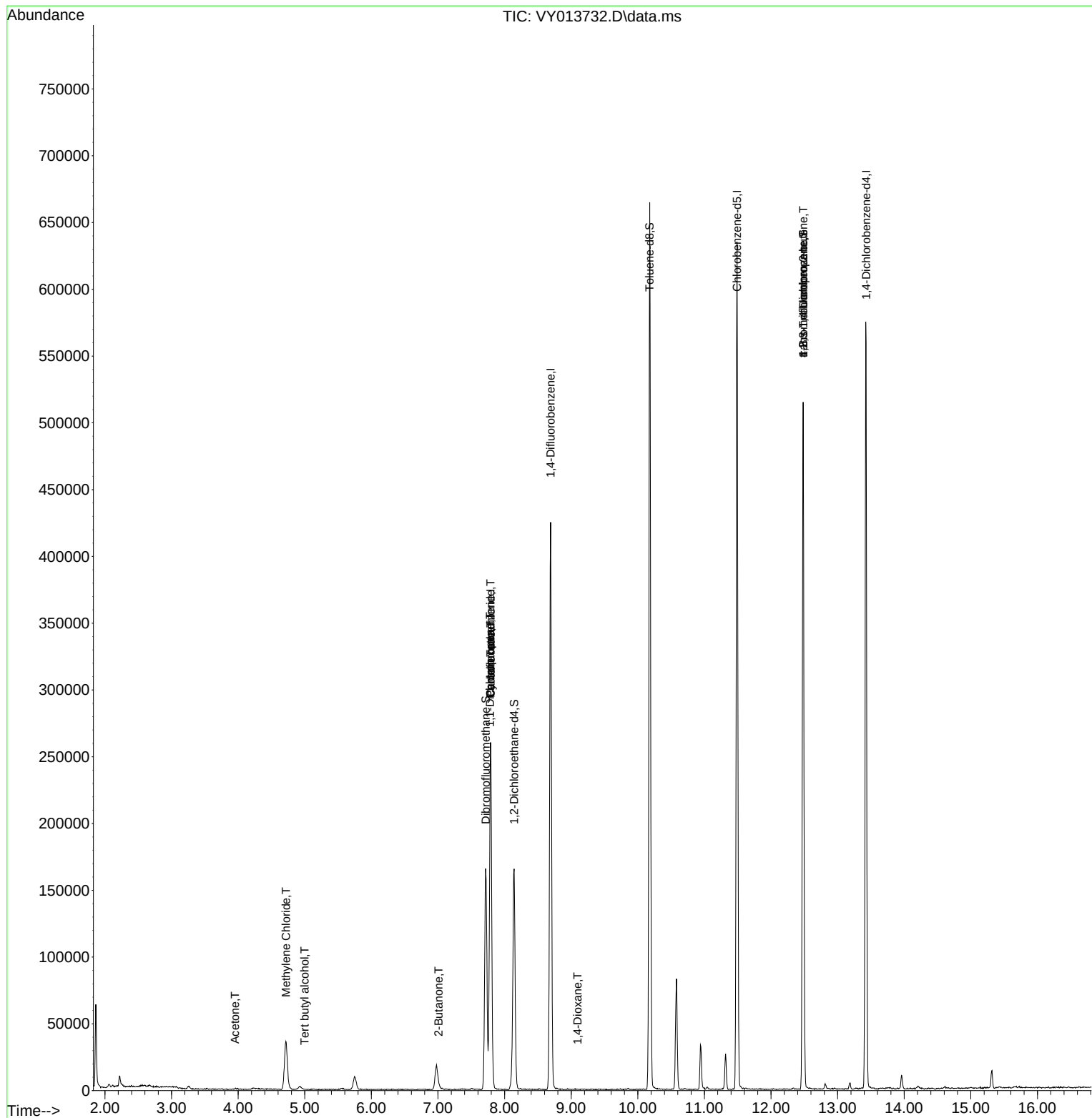
Internal Standards						
1) Pentafluorobenzene	7.789	168	203493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	347733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	333836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	127452	57.135	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.260%			
35) Dibromofluoromethane	7.716	113	116091	53.080	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.160%			
50) Toluene-d8	10.179	98	419182	53.877	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.760%			
62) 4-Bromofluorobenzene	12.483	95	133772	51.001	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.000%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.997	59	144	1.222	ug/l #	89
13) Acrolein	3.838	56	19	Below Cal	#	16
16) Acetone	3.954	43	1177	1.340	ug/l #	43
20) Methylene Chloride	4.716	84	25991	1.616	ug/l	92
25) 2-Butanone	7.009	43	1439	1.292	ug/l #	65
31) Cyclohexane	7.789	56	4422	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15212	4.191	ug/l #	49
38) Carbon Tetrachloride	7.789	117	19525	5.132	ug/l #	14
49) 1,4-Dioxane	9.094	88	25	1.094	ug/l #	6
76) 1,2,3-Trichloropropane	12.483	75	72275	36.610	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	72275	74.889	ug/l #	13

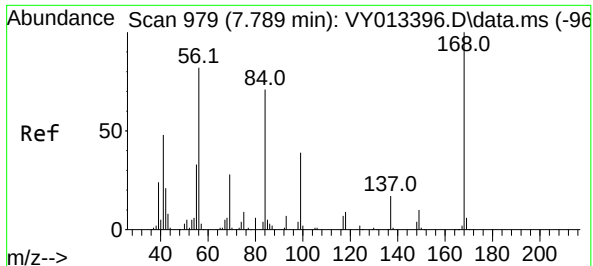
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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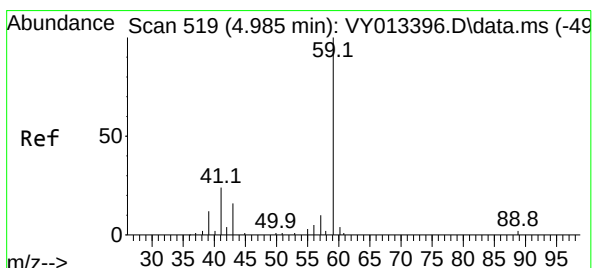
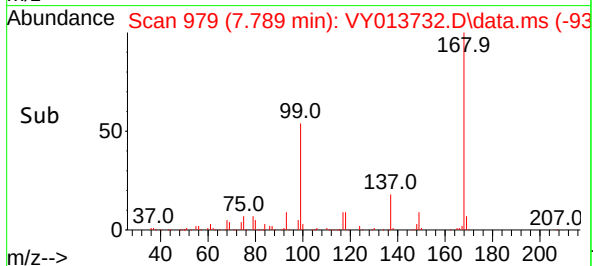
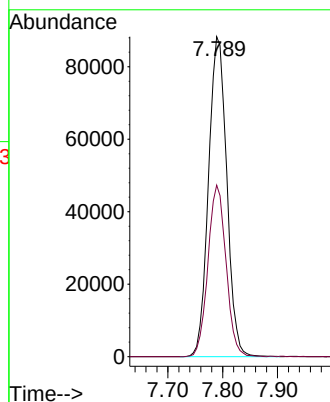
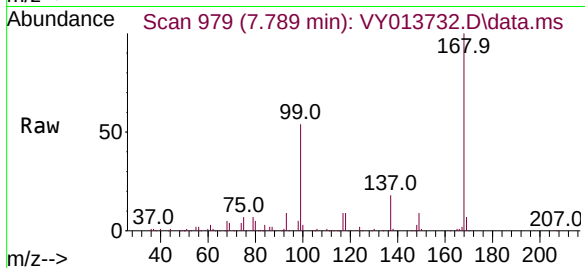




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

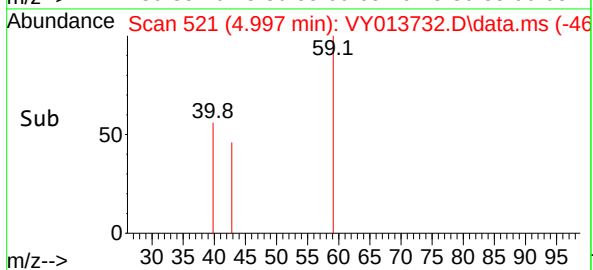
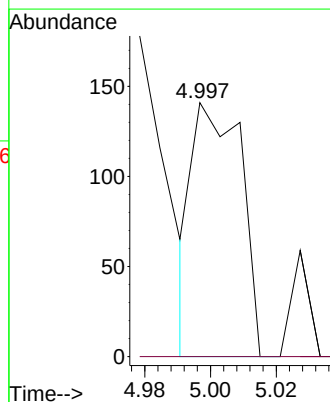
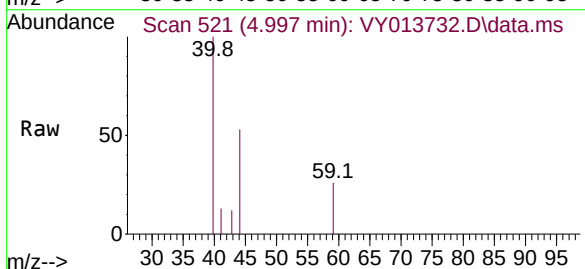
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

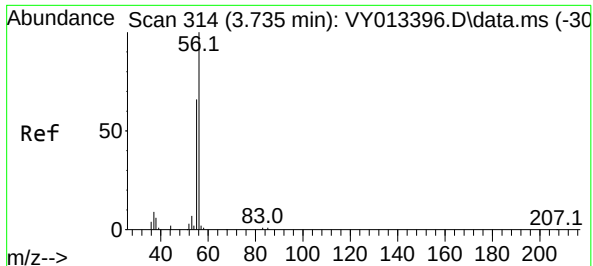
Tgt Ion:168 Resp: 203493
Ion Ratio Lower Upper
168 100
99 53.6 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.222 ug/l
RT: 4.997 min Scan# 521
Delta R.T. 0.019 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

Tgt Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

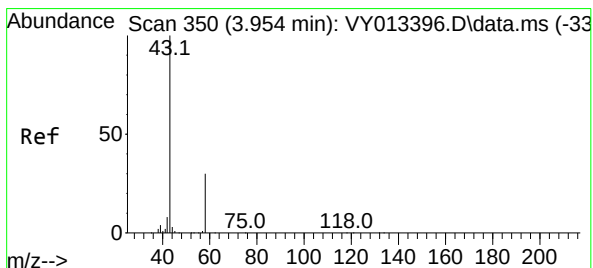
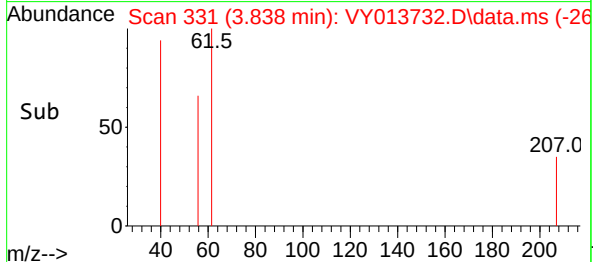
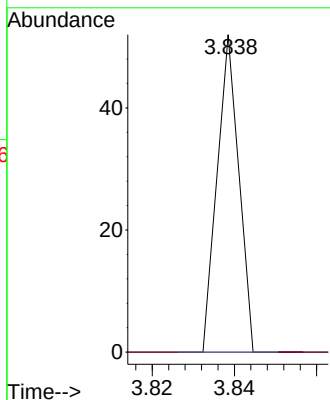
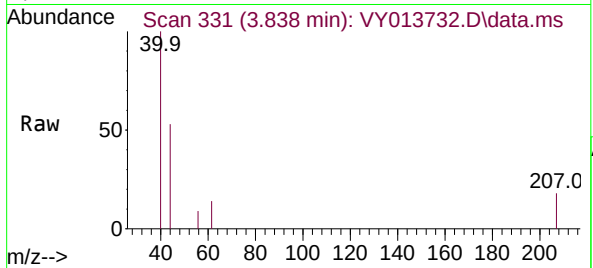




#13
Acrolein
Concen: Below Cal
RT: 3.838 min Scan# 314
Delta R.T. 0.109 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

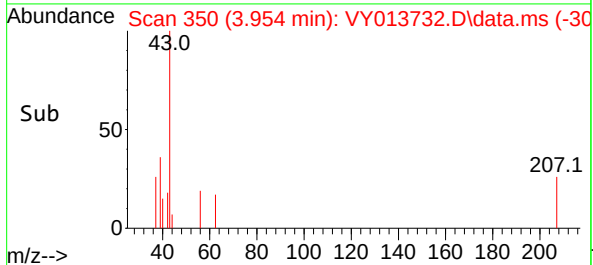
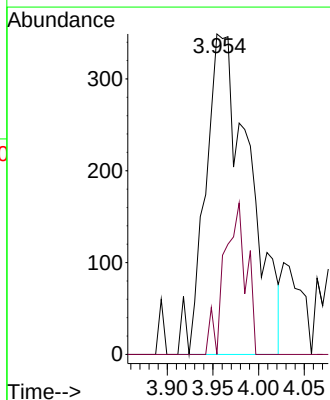
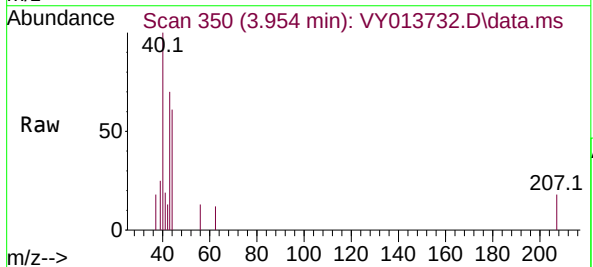
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

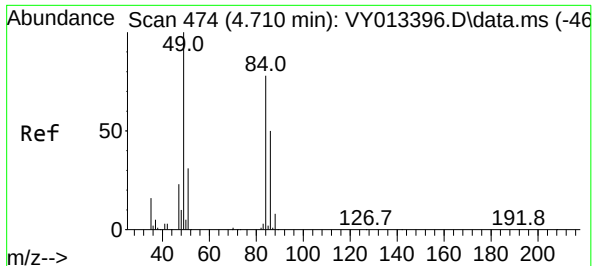
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 1.340 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

Tgt Ion: 43 Resp: 1177
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#

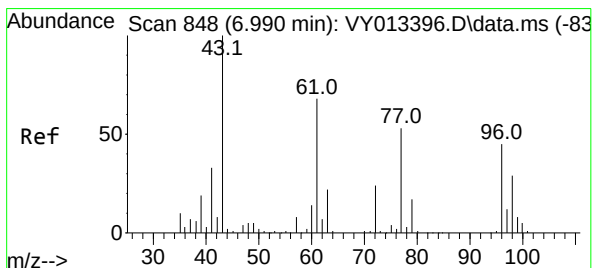
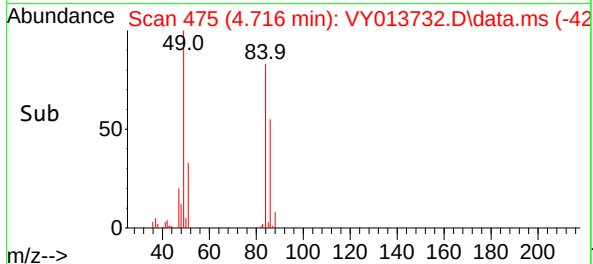
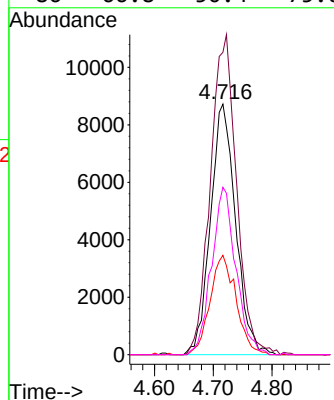
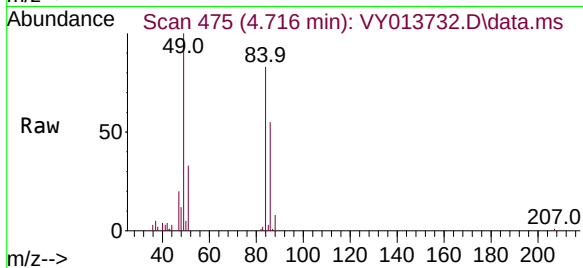




#20
Methylene Chloride
Concen: 1.616 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

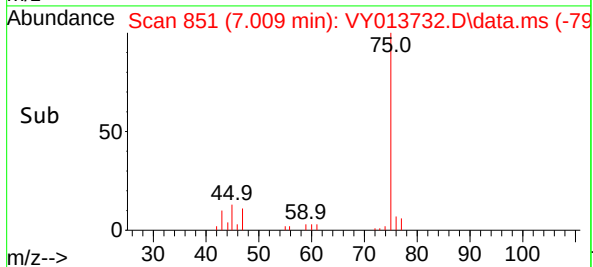
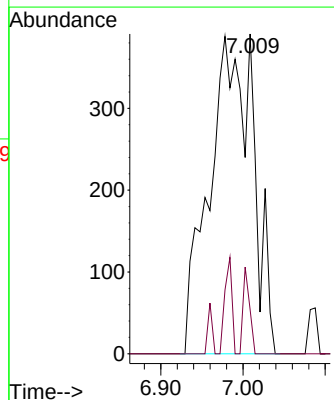
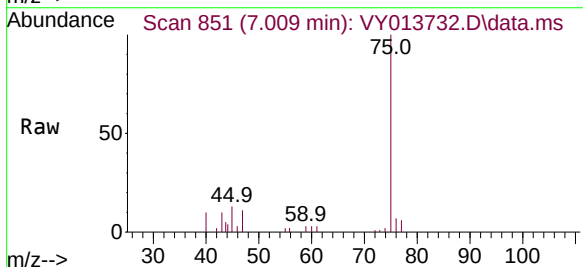
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

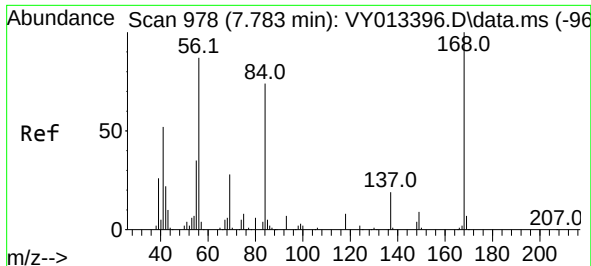
Tgt Ion:	84	Resp:	25991
Ion	Ratio	Lower	Upper
84	100		
49	120.6	88.0	132.0
51	39.6	27.4	41.0
86	66.8	50.4	75.6



#25
2-Butanone
Concen: 1.292 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.025 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

Tgt Ion:	43	Resp:	1439
Ion	Ratio	Lower	Upper
43	100		
72	9.1	21.9	32.9#

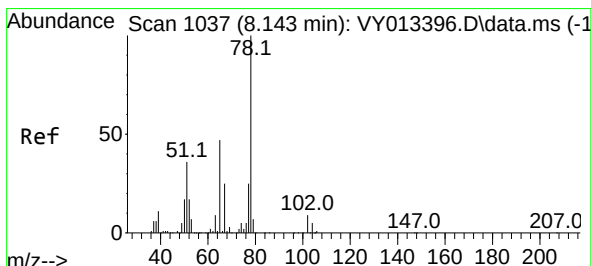
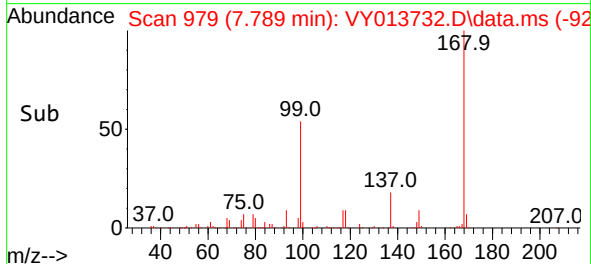
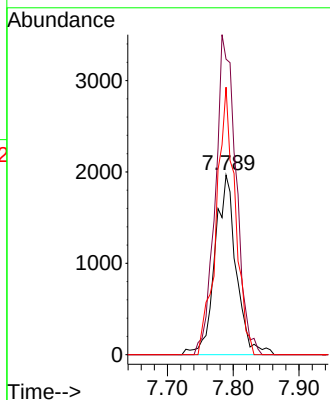
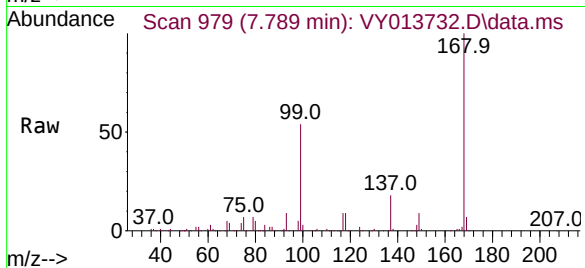




#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

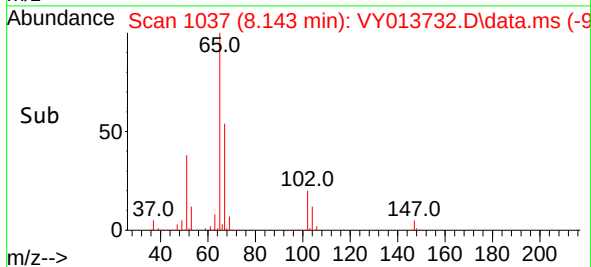
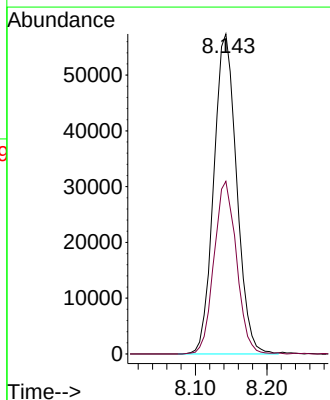
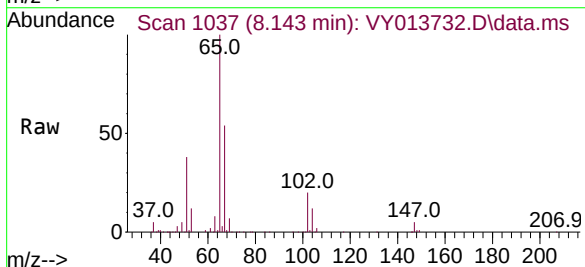
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

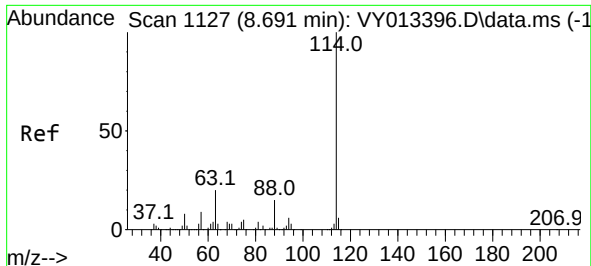
Tgt Ion: 56 Resp: 4422
Ion Ratio Lower Upper
56 100
69 164.7 29.2 43.8#
84 149.1 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 57.135 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

Tgt Ion: 65 Resp: 127452
Ion Ratio Lower Upper
65 100
67 53.0 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: VY013732.D

Acq: 15 May 2023 13:19

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

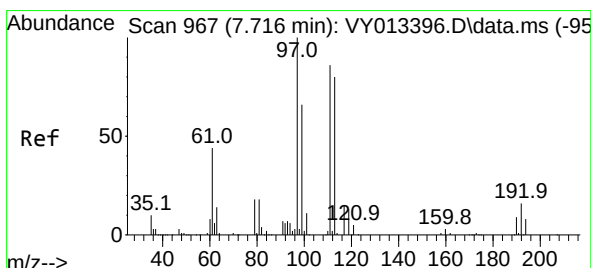
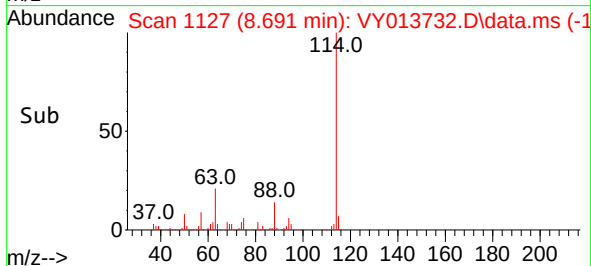
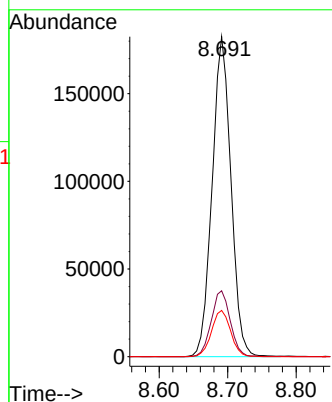
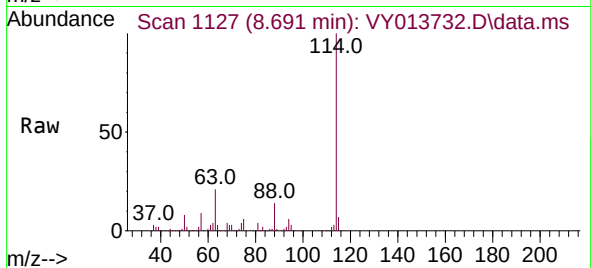
Tgt Ion:114 Resp: 347733

Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.6

88 14.4 0.0 28.8



#35

Dibromofluoromethane

Concen: 53.080 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013732.D

Acq: 15 May 2023 13:19

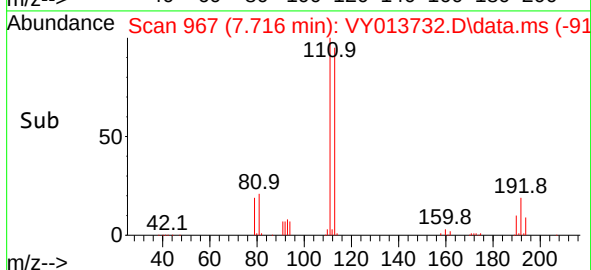
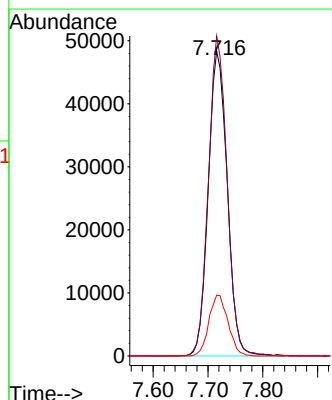
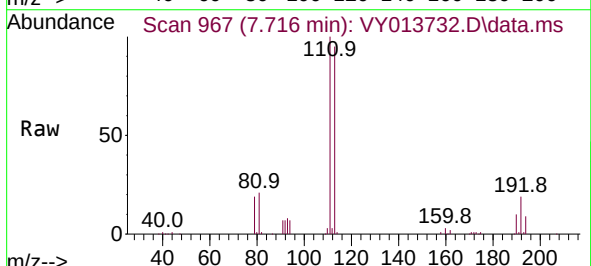
Tgt Ion:113 Resp: 116091

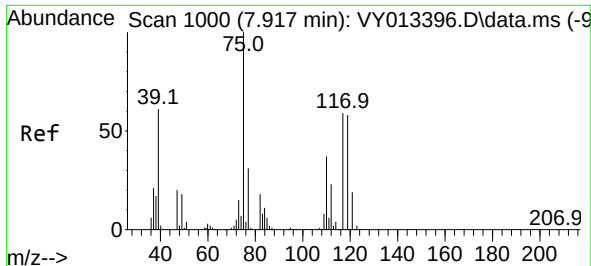
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 20.1 16.7 25.1

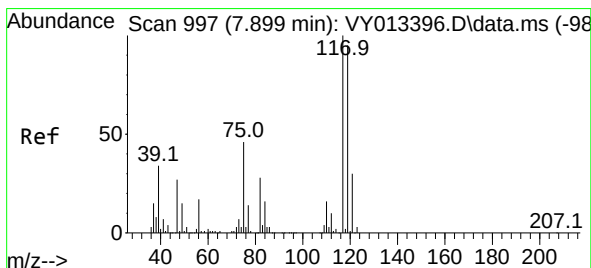
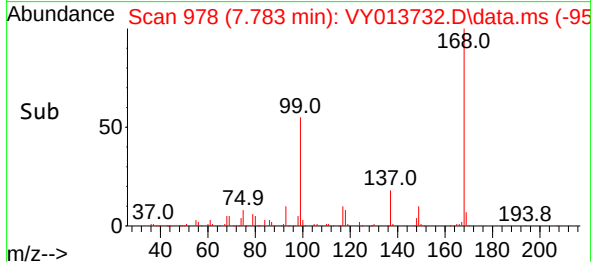
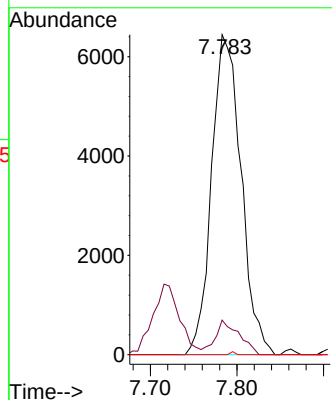
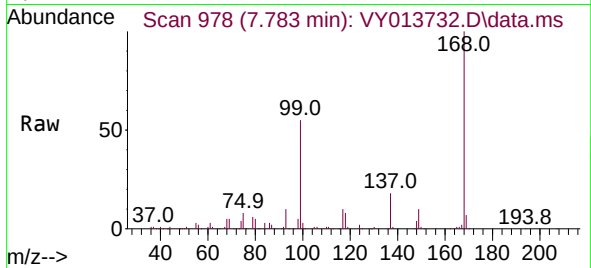




#36
1,1-Dichloropropene
Concen: 4.191 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

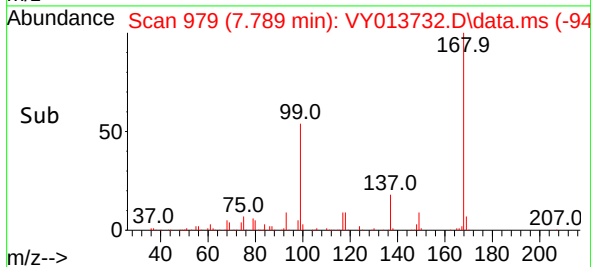
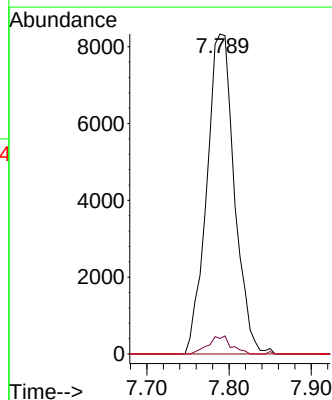
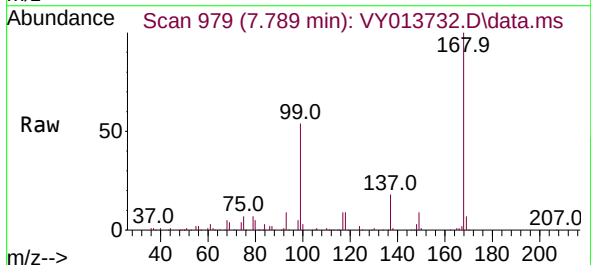
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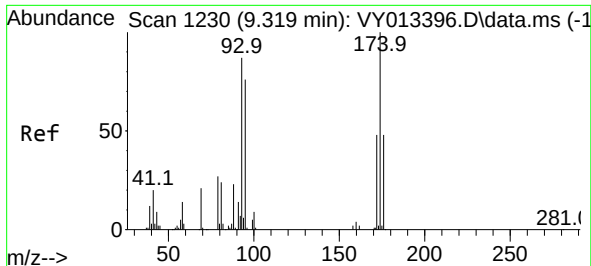
Tgt Ion: 75 Resp: 15212
Ion Ratio Lower Upper
75 100
110 8.8 18.7 56.1#
77 0.1 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.132 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

Tgt Ion: 117 Resp: 19525
Ion Ratio Lower Upper
117 100
119 4.8 79.0 118.6#
121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 1.094 ug/l

RT: 9.094 min Scan# 1193

Delta R.T. -0.213 min

Lab File: VY013732.D

Acq: 15 May 2023 13:19

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

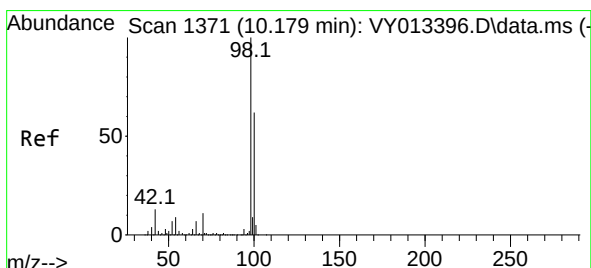
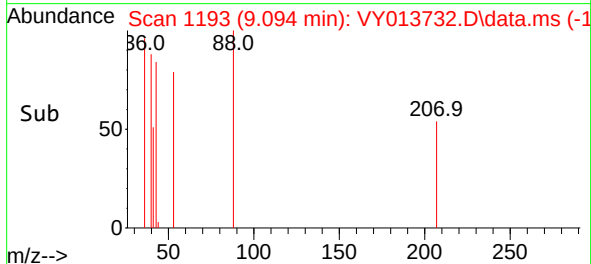
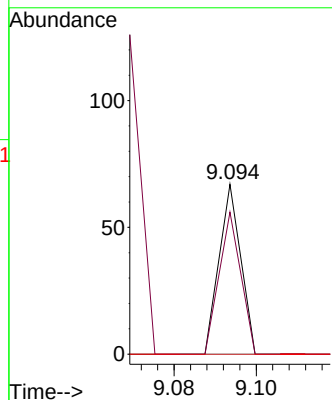
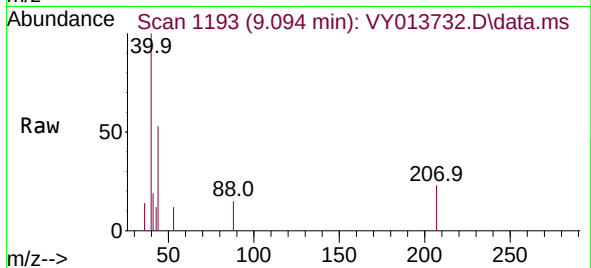
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 80.0 16.8 25.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 53.877 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013732.D

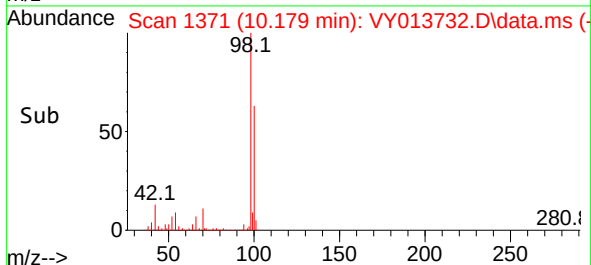
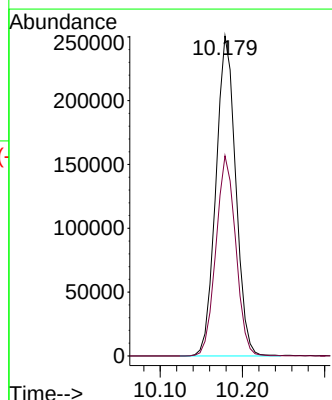
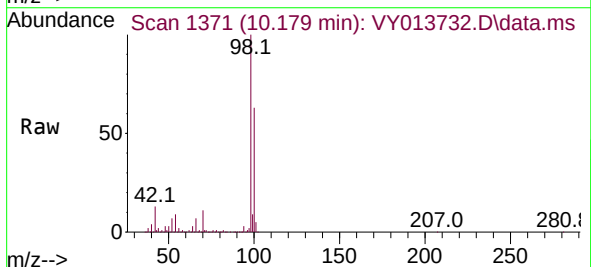
Acq: 15 May 2023 13:19

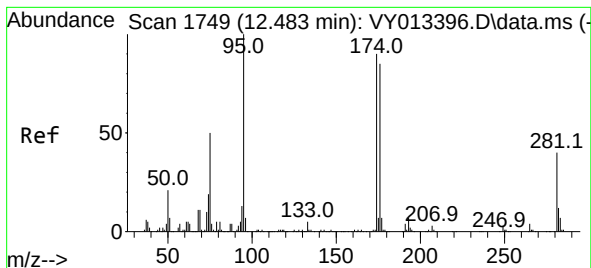
Tgt Ion: 98 Resp: 419182

Ion Ratio Lower Upper

98 100

100 62.6 50.5 75.7

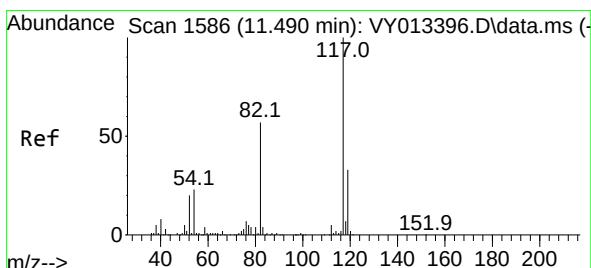
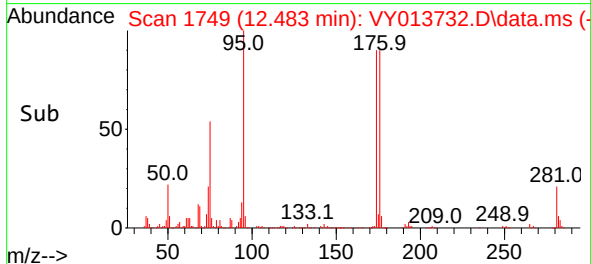
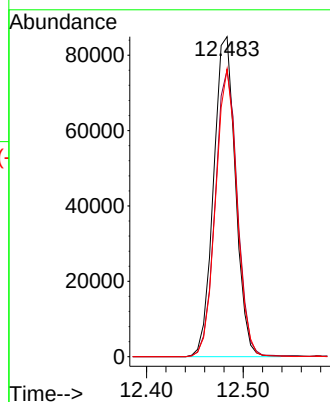
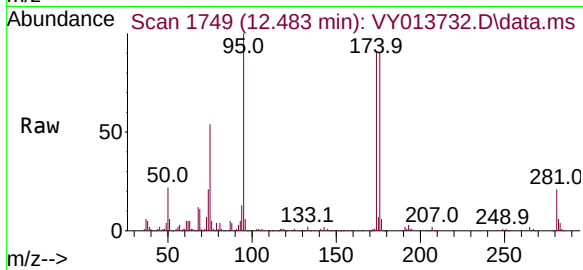




#62
4-Bromofluorobenzene
Concen: 51.001 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

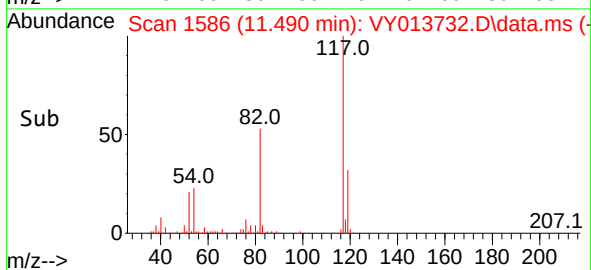
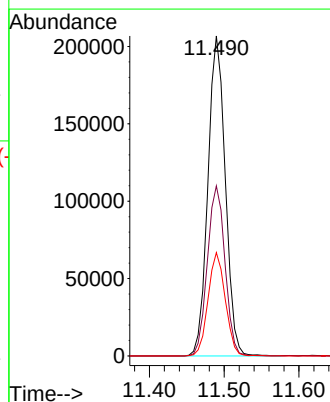
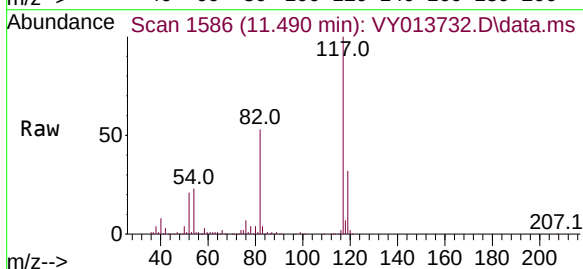
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

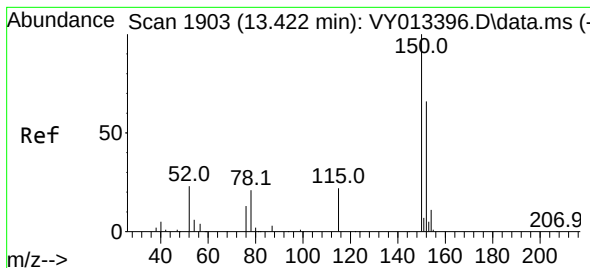
Tgt Ion: 95 Resp: 133772
Ion Ratio Lower Upper
95 100
174 90.5 0.0 182.0
176 87.7 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013732.D
Acq: 15 May 2023 13:19

Tgt Ion: 117 Resp: 333836
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.6
119 32.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013732.D

Acq: 15 May 2023 13:19

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

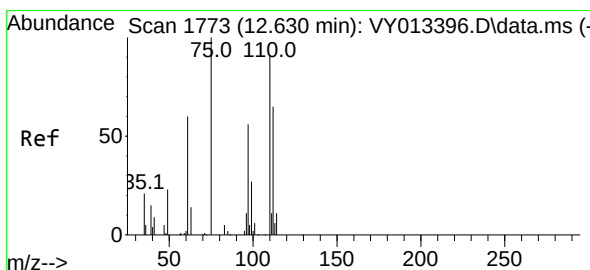
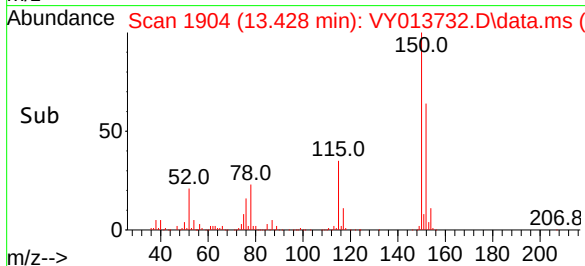
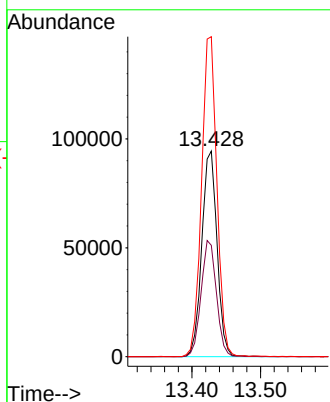
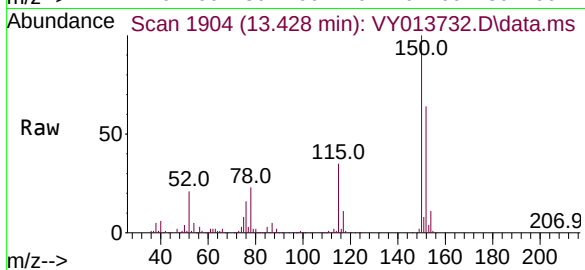
Tgt Ion:152 Resp: 146384

Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.2

150 156.2 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 36.610 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013732.D

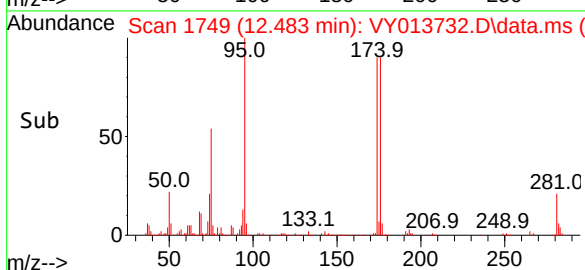
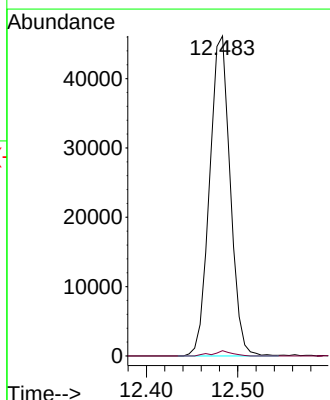
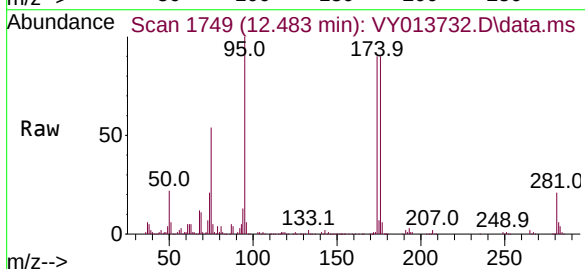
Acq: 15 May 2023 13:19

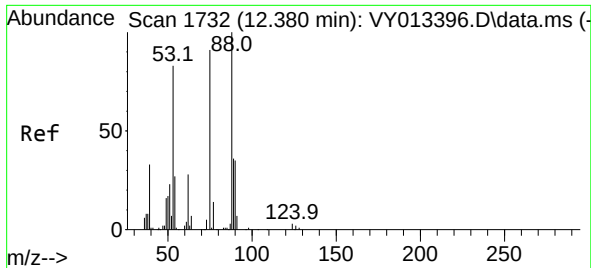
Tgt Ion: 75 Resp: 72275

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.889 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013732.D
 Acq: 15 May 2023 13:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 72275
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.2 109.8#
 89 0.2 38.0 57.0#

