

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013673.D
 Acq On : 09 May 2023 17:08
 Operator : KP/MD
 Sample : 02624-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WZ-3

Quant Time: May 10 05:40:05 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)

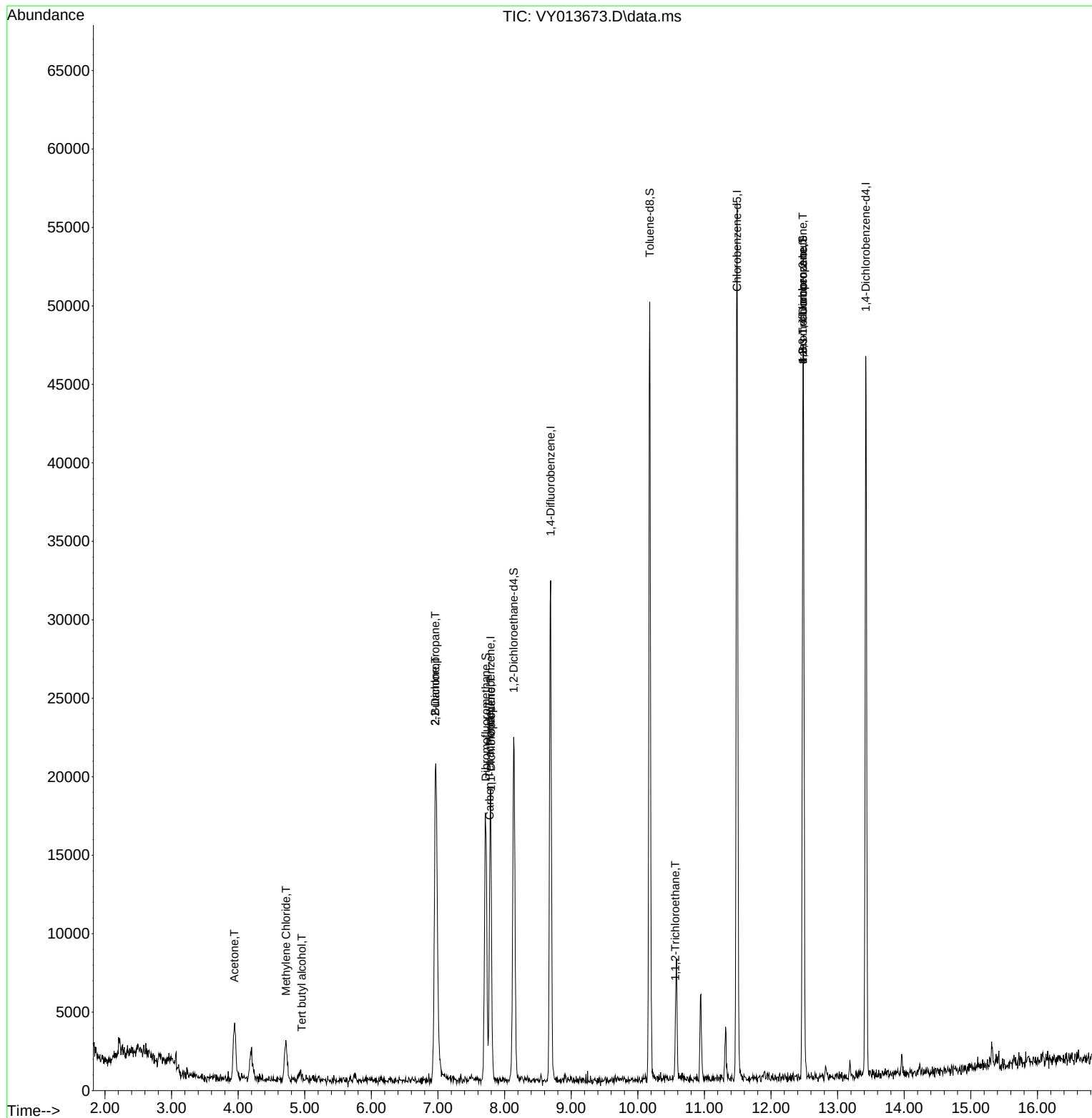
Internal Standards						
1) Pentafluorobenzene	7.789	168	13786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	26687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	31272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	12439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	17300	114.475	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 228.940%#		
35) Dibromofluoromethane	7.716	113	11896	70.873	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 141.740%		
50) Toluene-d8	10.179	98	32904	55.106	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 110.220%		
62) 4-Bromofluorobenzene	12.477	95	11159	55.435	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 110.860%		
Target Compounds						
11) Tert butyl alcohol	4.954	59	249	15.240	ug/l #	89
13) Acrolein	3.790	56	37	Below Cal	#	16
16) Acetone	3.942	43	6540	109.889	ug/l	95
20) Methylene Chloride	4.716	84	1729	1.412	ug/l #	79
25) 2-Butanone	6.960	43	1439	19.065	ug/l #	47
26) 2,2-Dichloropropane	6.960	77	1690	6.772	ug/l #	52
36) 1,1-Dichloropropene	7.795	75	1363	4.893	ug/l #	45
38) Carbon Tetrachloride	7.777	117	637	2.182	ug/l #	11
55) 1,1,2-Trichloroethane	10.563	97	181	1.113	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	6223	37.096	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	6223	75.881	ug/l #	12

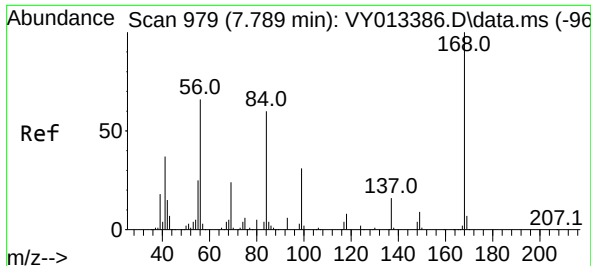
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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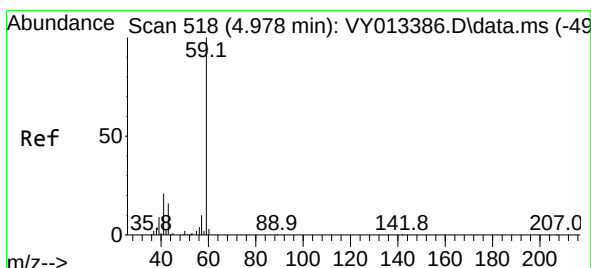
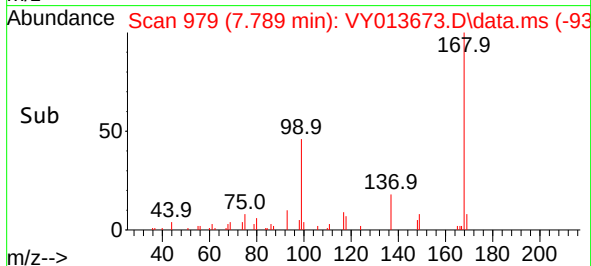
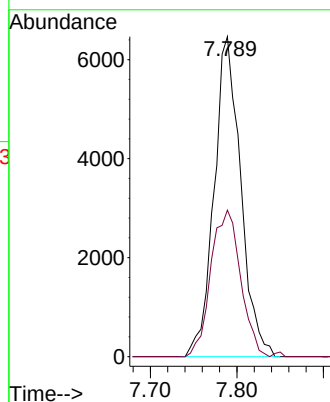
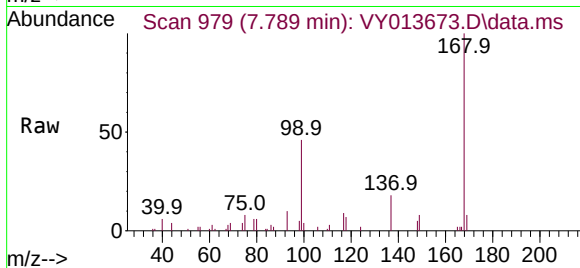




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013673.D
Acq: 09 May 2023 17:08

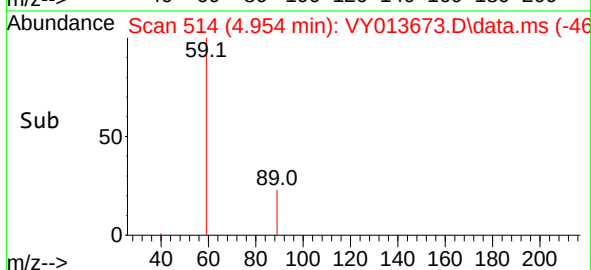
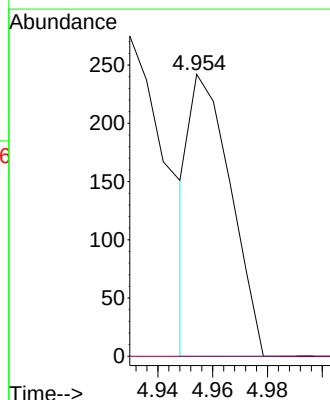
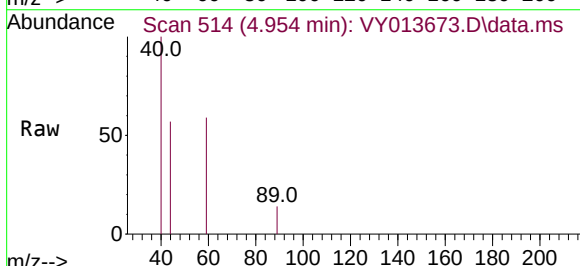
Instrument :
MSVOA_Y
ClientSampleId :
WZ-3

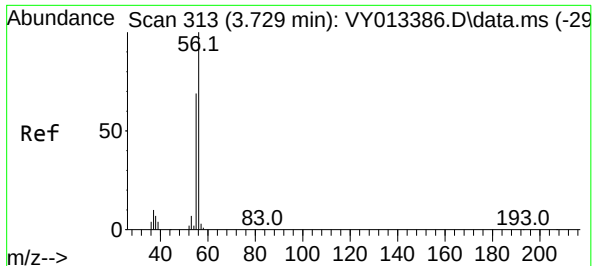
Tgt Ion:168 Resp: 13786
Ion Ratio Lower Upper
168 100
99 45.8 41.8 62.6



#11
Tert butyl alcohol
Concen: 15.240 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY013673.D
Acq: 09 May 2023 17:08

Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.790 min Scan# 31

Delta R.T. 0.061 min

Lab File: VY013673.D

Acq: 09 May 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

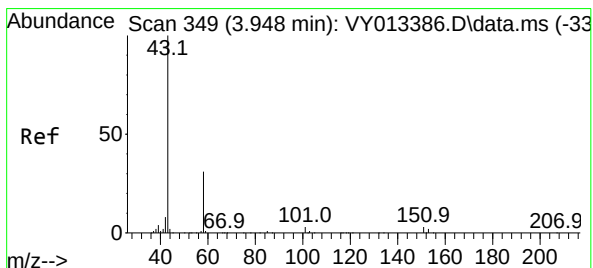
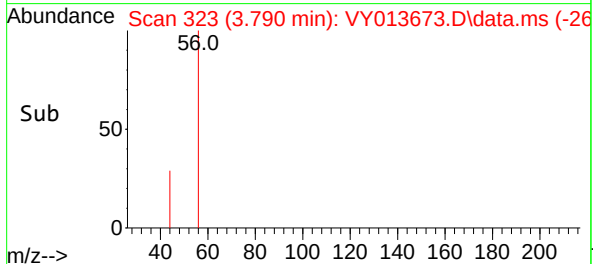
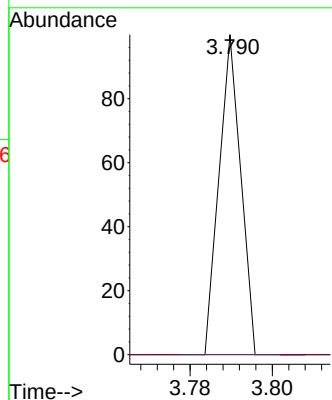
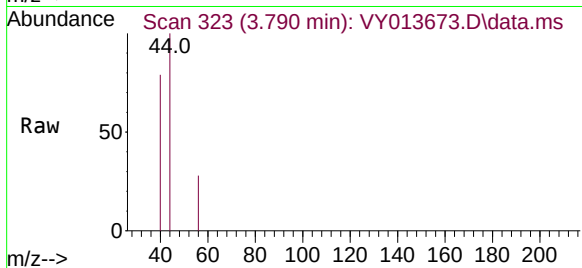
WZ-3

Tgt Ion: 56 Resp: 37

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#



#16

Acetone

Concen: 109.889 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY013673.D

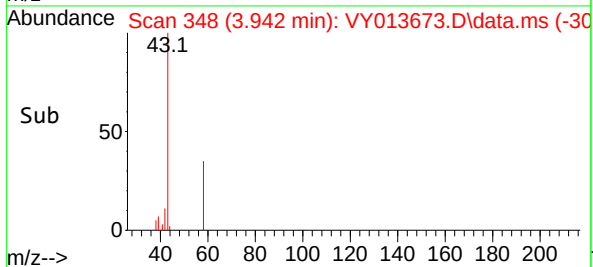
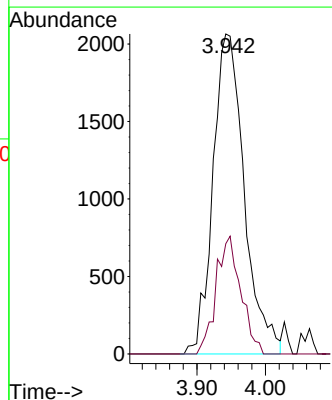
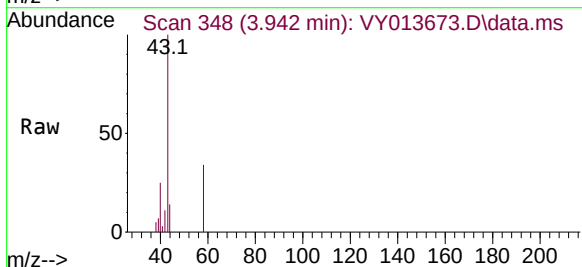
Acq: 09 May 2023 17:08

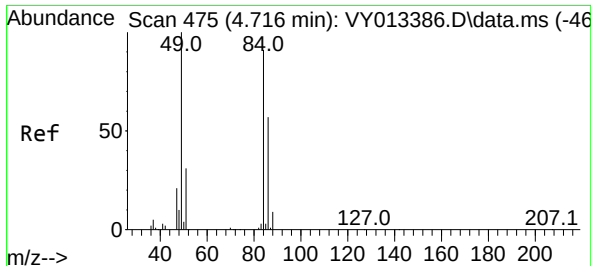
Tgt Ion: 43 Resp: 6540

Ion Ratio Lower Upper

43 100

58 34.4 25.4 38.0

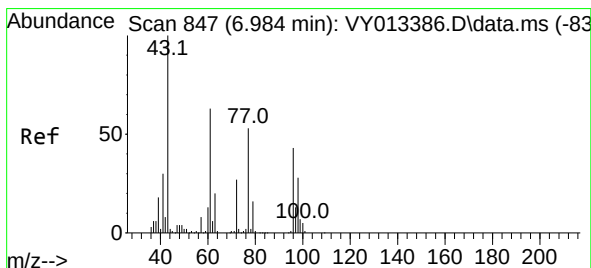
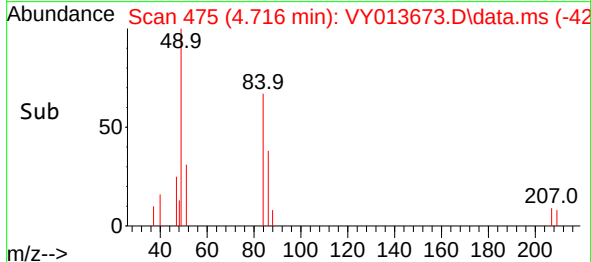
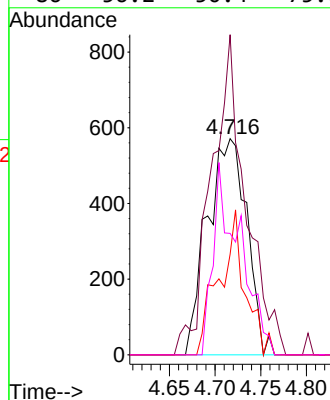
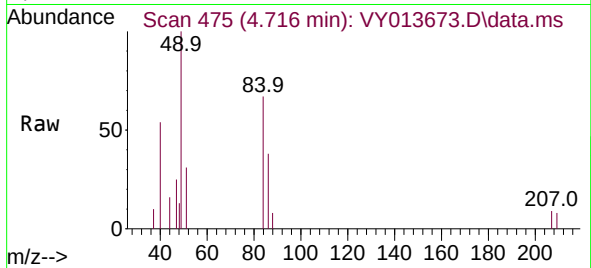




#20
Methylene Chloride
Concen: 1.412 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013673.D
Acq: 09 May 2023 17:08

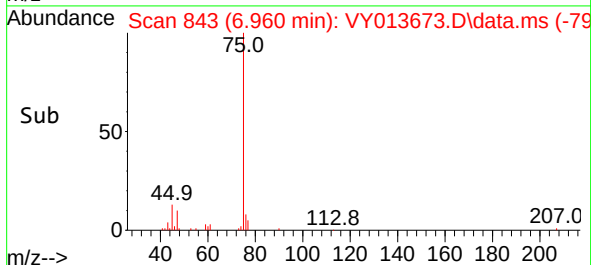
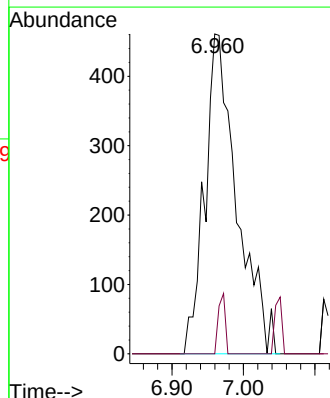
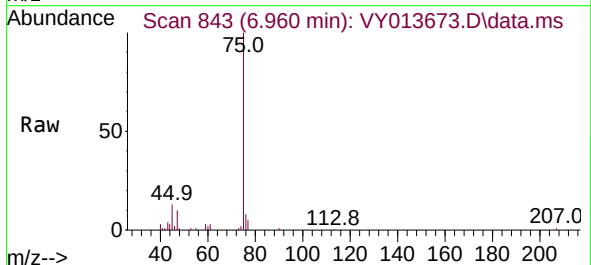
Instrument :
MSVOA_Y
ClientSampleId :
WZ-3

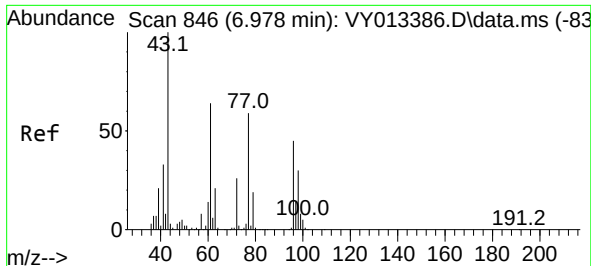
Tgt Ion:	84	Resp:	1729
Ion	Ratio	Lower	Upper
84	100		
49	139.1	88.0	132.0#
51	46.6	27.4	41.0#
86	56.2	50.4	75.6



#25
2-Butanone
Concen: 19.065 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.024 min
Lab File: VY013673.D
Acq: 09 May 2023 17:08

Tgt Ion:	43	Resp:	1439
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.9	32.9#





#26

2,2-Dichloropropane

Concen: 6.772 ug/l

RT: 6.960 min Scan# 846

Delta R.T. -0.018 min

Lab File: VY013673.D

Acq: 09 May 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

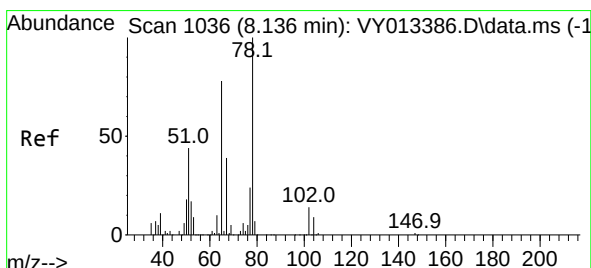
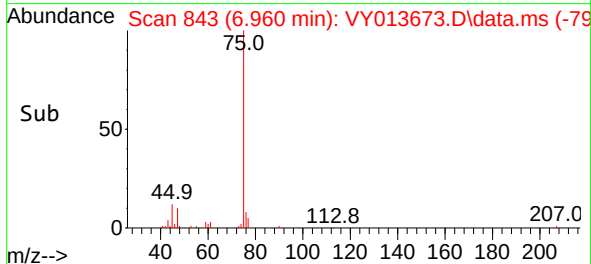
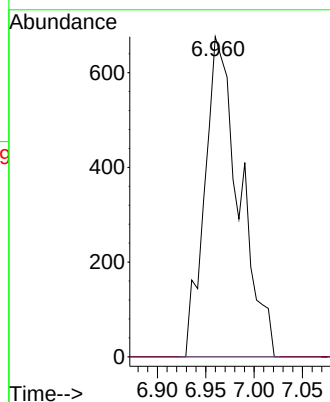
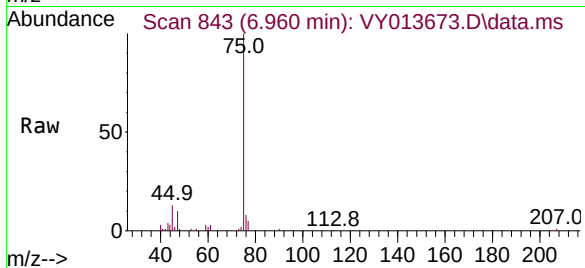
WZ-3

Tgt Ion: 77 Resp: 1690

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#33

1,2-Dichloroethane-d4

Concen: 114.475 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013673.D

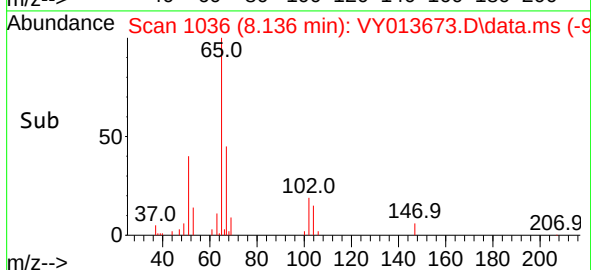
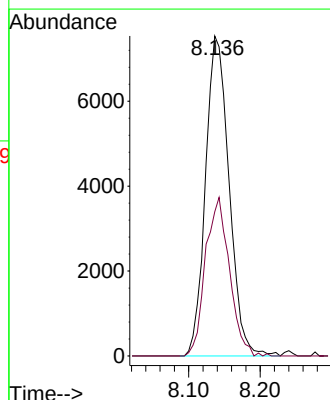
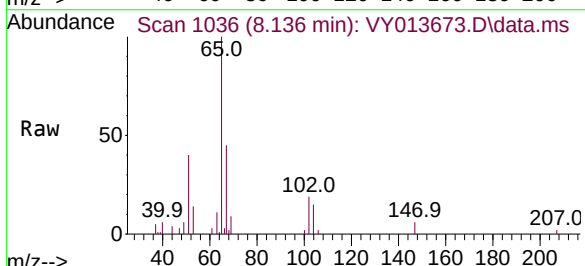
Acq: 09 May 2023 17:08

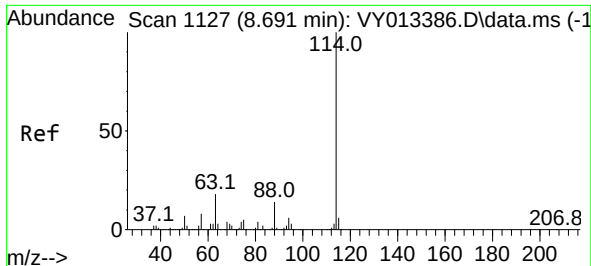
Tgt Ion: 65 Resp: 17300

Ion Ratio Lower Upper

65 100

67 50.4 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: VY013673.D

Acq: 09 May 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

WZ-3

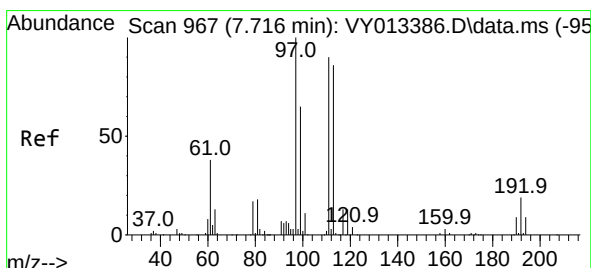
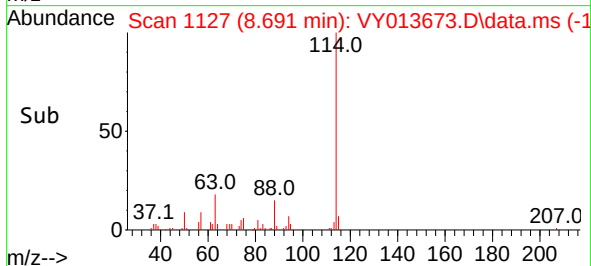
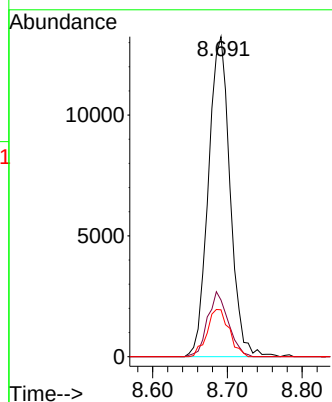
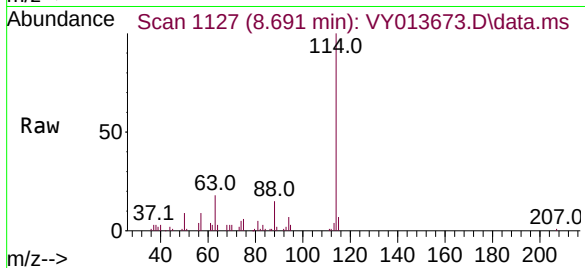
Tgt Ion:114 Resp: 26687

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

88 14.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 70.873 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013673.D

Acq: 09 May 2023 17:08

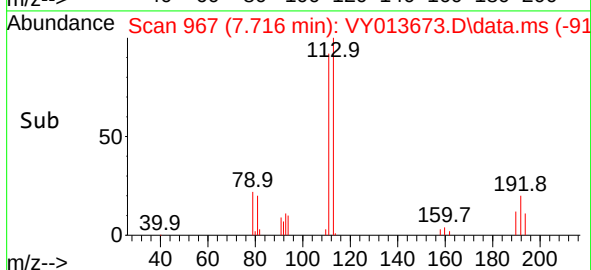
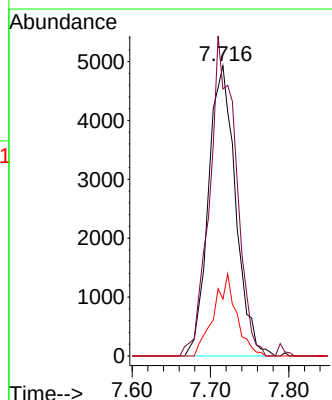
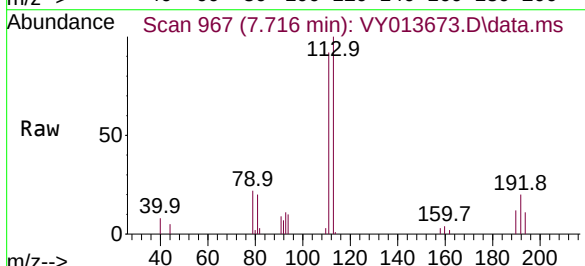
Tgt Ion:113 Resp: 11896

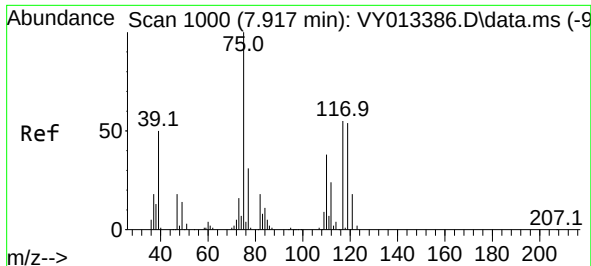
Ion Ratio Lower Upper

113 100

111 107.2 82.2 123.2

192 23.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY013673.D

Acq: 09 May 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

WZ-3

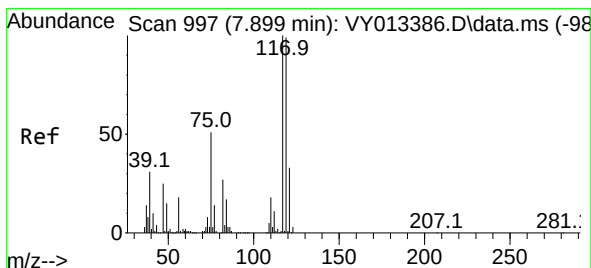
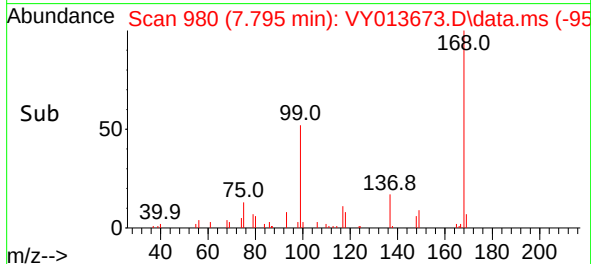
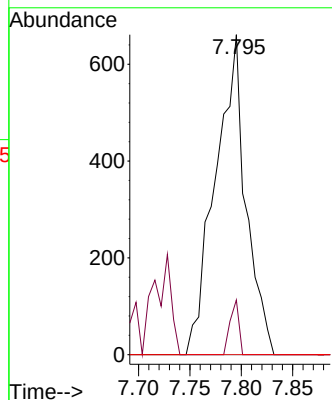
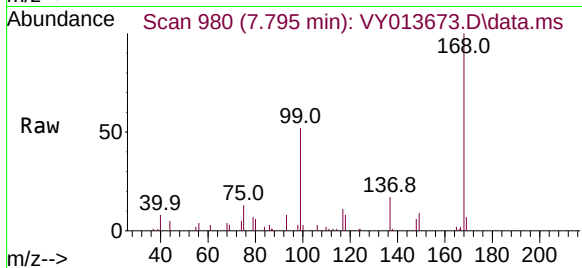
Tgt Ion: 75 Resp: 1363

Ion Ratio Lower Upper

75 100

110 4.9 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 2.182 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.122 min

Lab File: VY013673.D

Acq: 09 May 2023 17:08

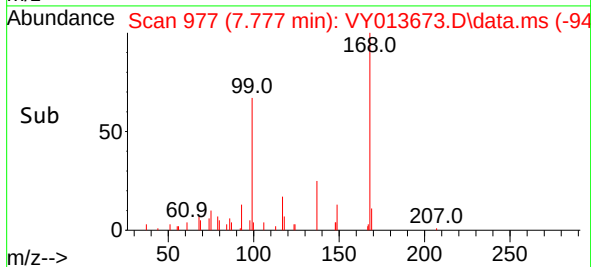
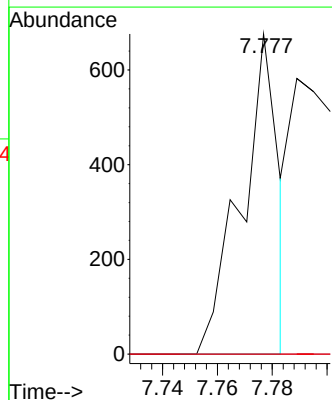
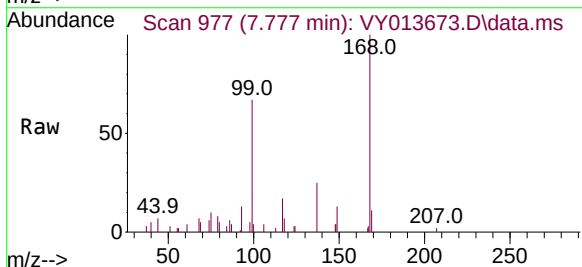
Tgt Ion: 117 Resp: 637

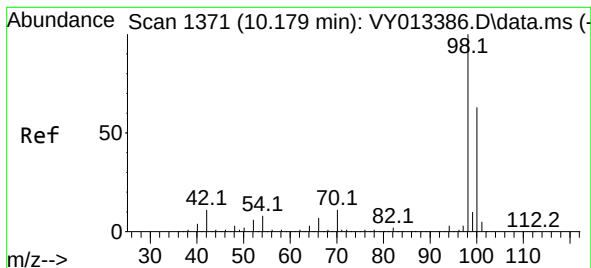
Ion Ratio Lower Upper

117 100

119 0.0 79.0 118.6#

121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 55.106 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013673.D

Acq: 09 May 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

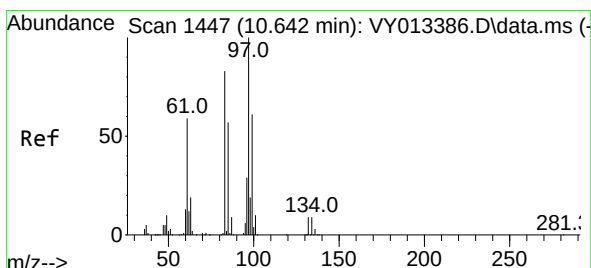
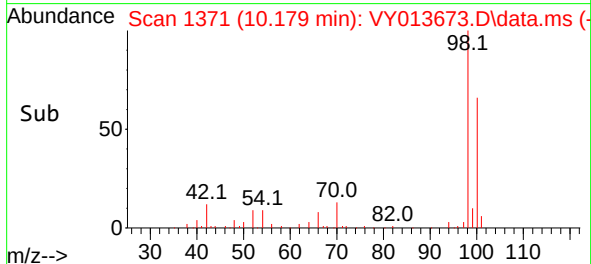
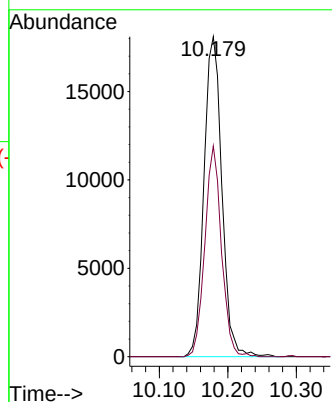
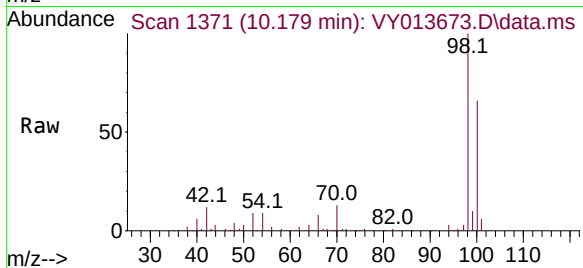
WZ-3

Tgt Ion: 98 Resp: 32904

Ion Ratio Lower Upper

98 100

100 61.2 50.5 75.7



#55

1,1,2-Trichloroethane

Concen: 1.113 ug/l

RT: 10.563 min Scan# 1434

Delta R.T. -0.079 min

Lab File: VY013673.D

Acq: 09 May 2023 17:08

Tgt Ion: 97 Resp: 181

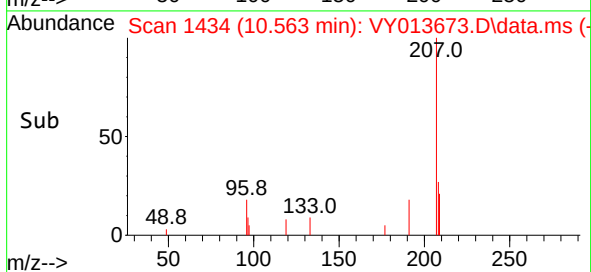
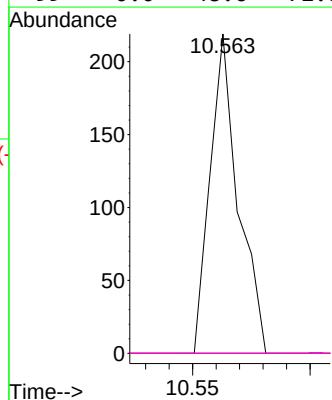
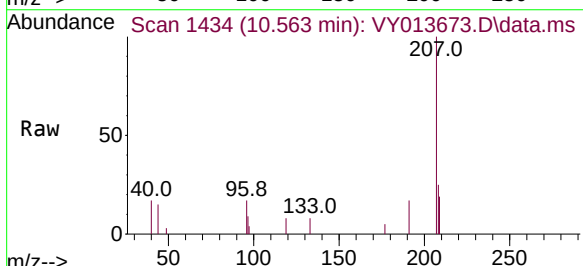
Ion Ratio Lower Upper

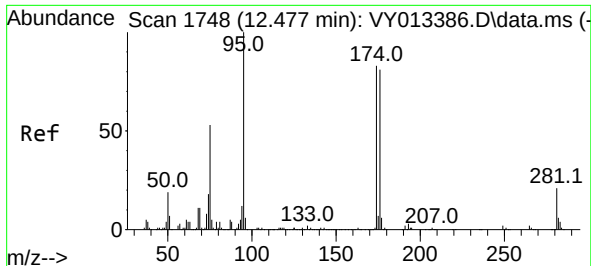
97 100

83 0.0 66.4 99.6#

85 0.0 45.6 68.4#

99 0.0 48.6 72.8#

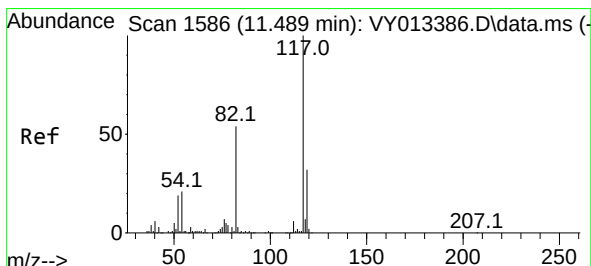
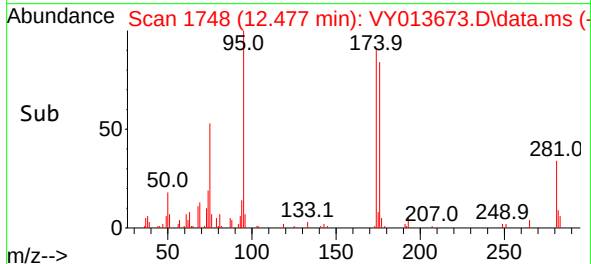
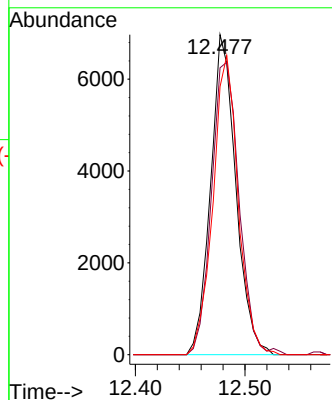
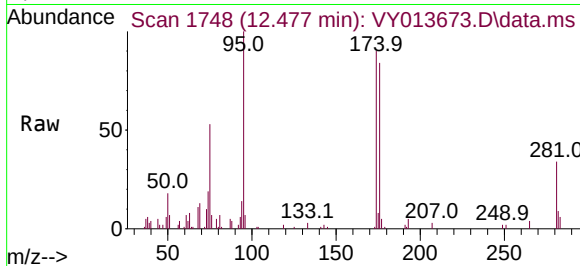




#62
4-Bromofluorobenzene
Concen: 55.435 ug/l
RT: 12.477 min Scan# 11159
Delta R.T. 0.000 min
Lab File: VY013673.D
Acq: 09 May 2023 17:08

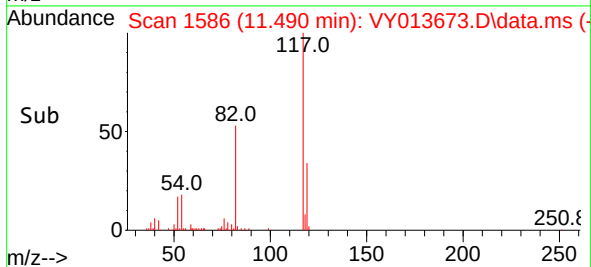
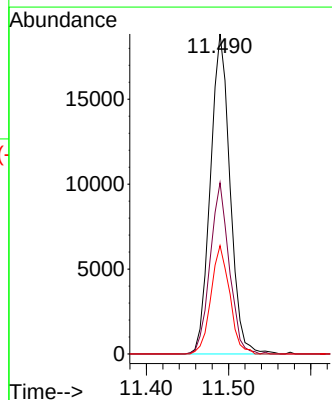
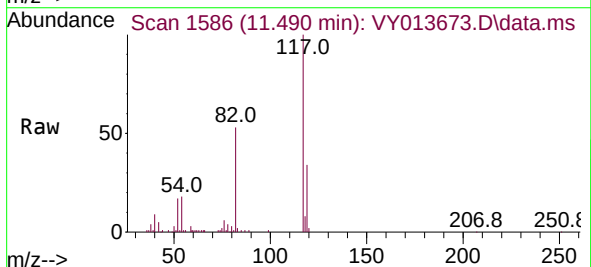
Instrument :
MSVOA_Y
ClientSampleId :
WZ-3

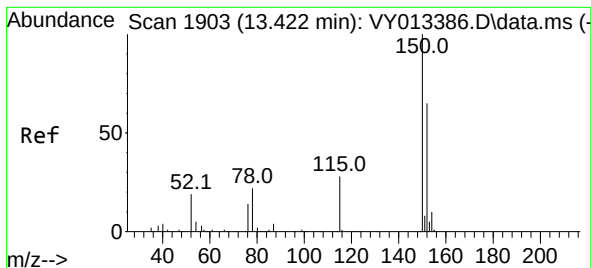
Tgt Ion:	95	Resp:	11159
Ion Ratio	Lower	Upper	
95	100		
174	99.7	0.0	182.0
176	93.6	0.0	175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013673.D
Acq: 09 May 2023 17:08

Tgt Ion:	117	Resp:	31272
Ion Ratio	Lower	Upper	
117	100		
82	53.5	43.0	64.6
119	33.8	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: VY013673.D

Acq: 09 May 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

WZ-3

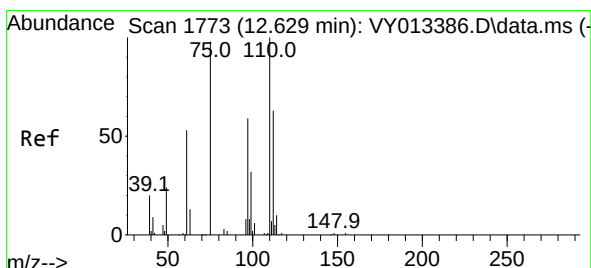
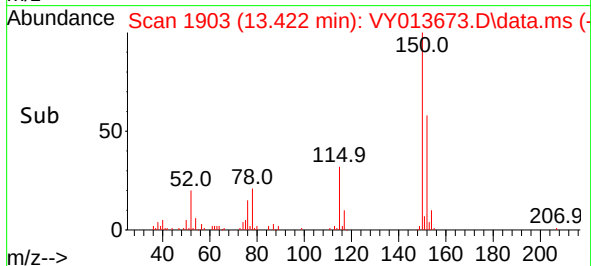
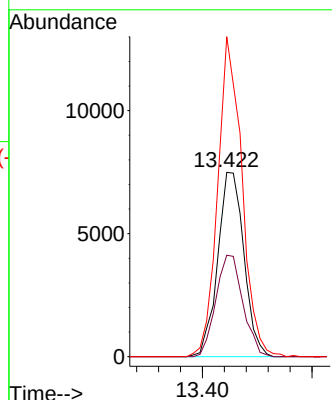
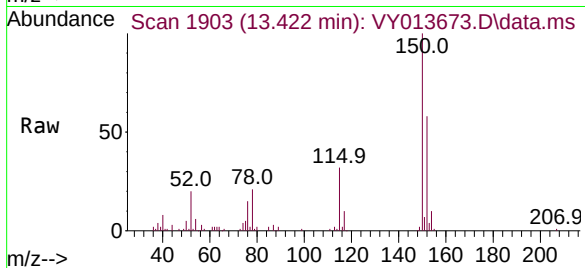
Tgt Ion:152 Resp: 12439

Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.2

150 160.7 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 37.096 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013673.D

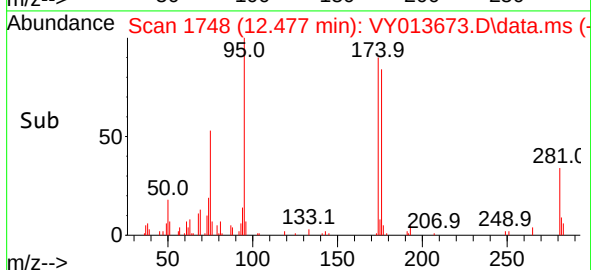
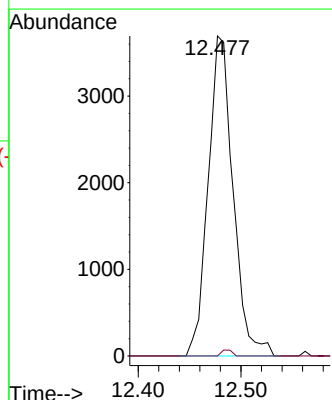
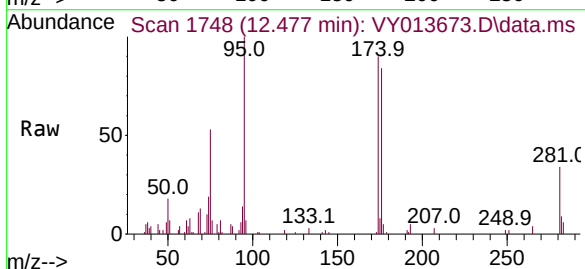
Acq: 09 May 2023 17:08

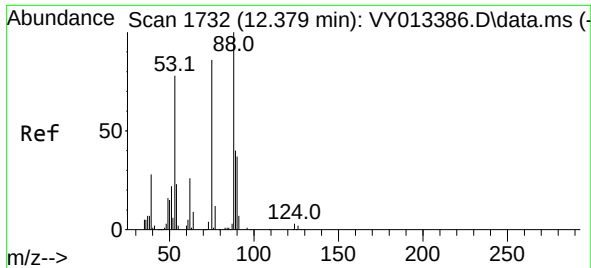
Tgt Ion: 75 Resp: 6223

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.881 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013673.D
 Acq: 09 May 2023 17:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 WZ-3

Tgt Ion: 75 Resp: 6223
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 38.0 57.0#

