

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051023\
 Data File : VY013692.D
 Acq On : 10 May 2023 16:53
 Operator : KP/MD
 Sample : 02721-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: May 11 03:30:15 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)

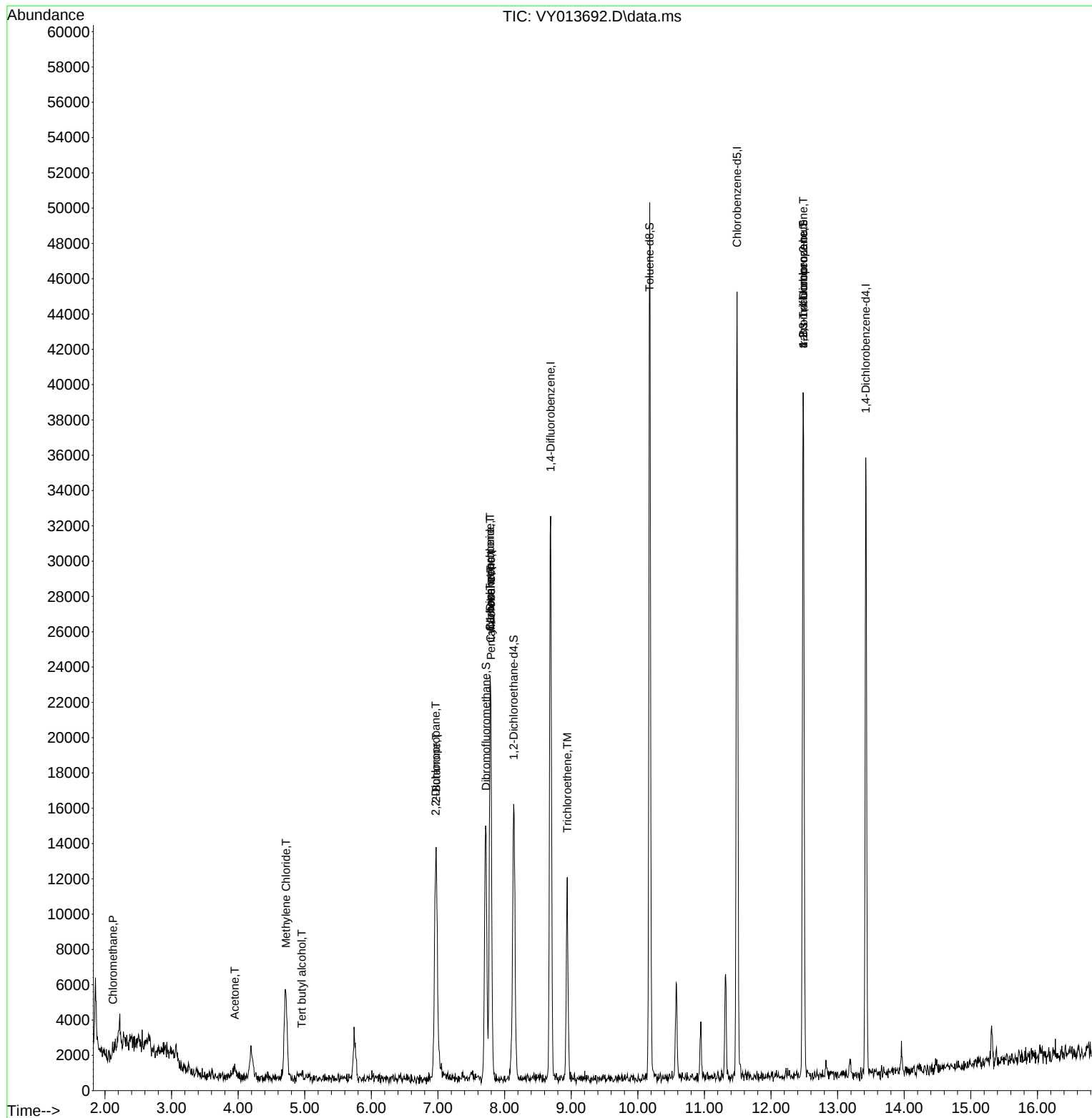
Internal Standards						
1) Pentafluorobenzene	7.795	168	17963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	27387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	24566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	8971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	12233	62.124	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.240%	
35) Dibromofluoromethane	7.722	113	10525	61.102	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.200%	
50) Toluene-d8	10.179	98	32842	53.596	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.200%	
62) 4-Bromofluorobenzene	12.483	95	9532	46.142	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	287	1.254	ug/l #	42
11) Tert butyl alcohol	4.954	59	601	27.677	ug/l #	96
13) Acrolein	3.729	56	22	Below Cal	#	16
16) Acetone	3.948	43	822	10.600	ug/l #	83
20) Methylene Chloride	4.716	84	3780	8.912	ug/l	97
25) 2-Butanone	6.972	43	738	7.504	ug/l #	47
26) 2,2-Dichloropropane	6.966	77	1221	3.755	ug/l #	52
31) Cyclohexane	7.789	56	478	1.356	ug/l #	39
36) 1,1-Dichloropropene	7.783	75	1635	5.719	ug/l #	40
38) Carbon Tetrachloride	7.783	117	1955	6.525	ug/l #	11
44) Trichloroethene	8.941	130	3681	17.185	ug/l	80
76) 1,2,3-Trichloropropane	12.483	75	4841	40.013	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4841	81.849	ug/l #	12

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

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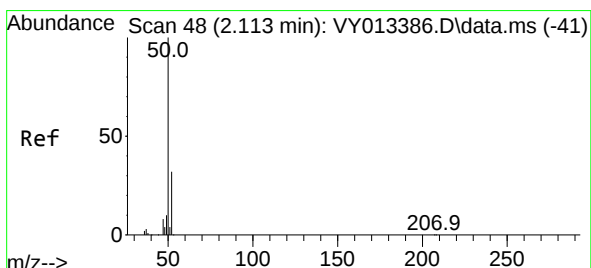
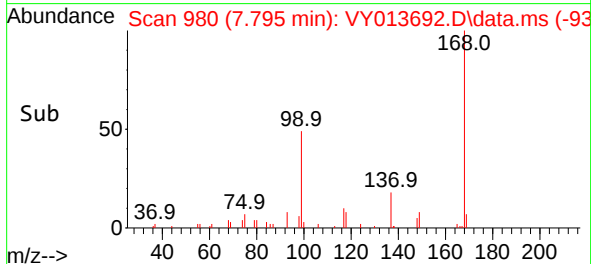
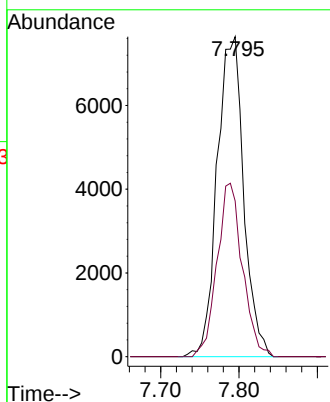
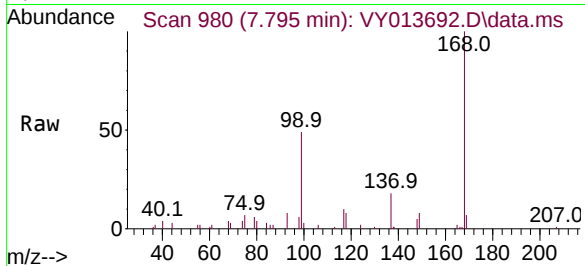




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

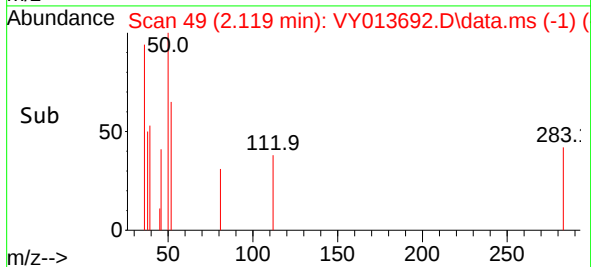
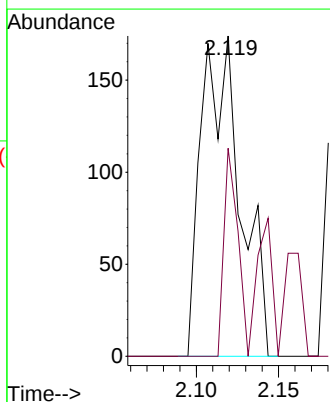
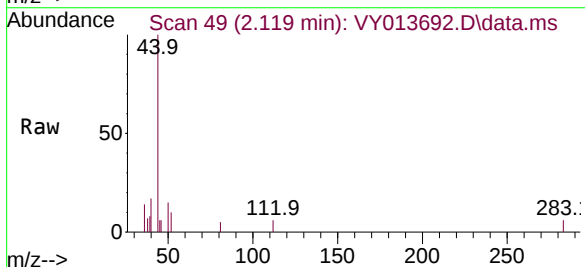
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

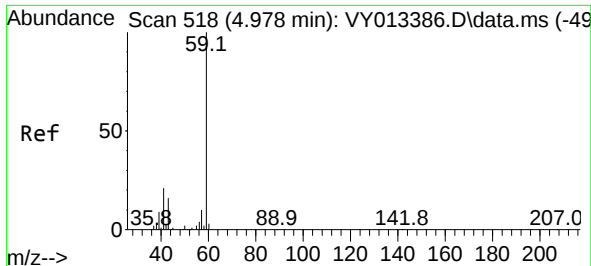
Tgt Ion:168 Resp: 17963
Ion Ratio Lower Upper
168 100
99 48.7 41.8 62.6



#3
Chloromethane
Concen: 1.254 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

Tgt Ion: 50 Resp: 287
Ion Ratio Lower Upper
50 100
52 64.9 25.9 38.9#

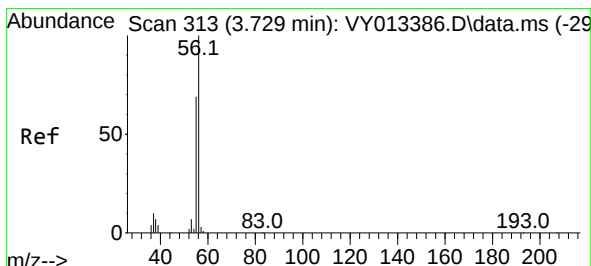
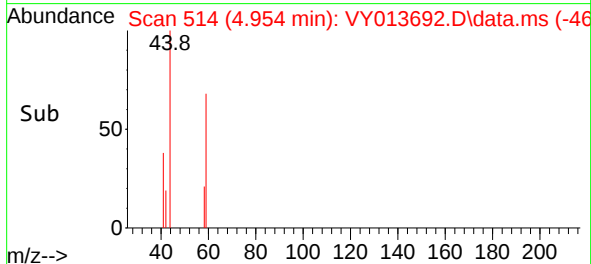
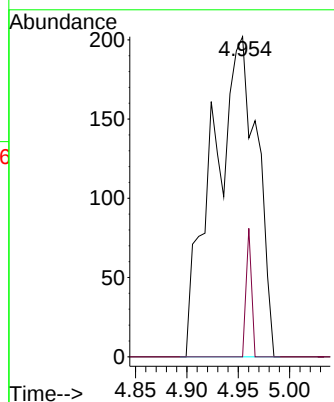
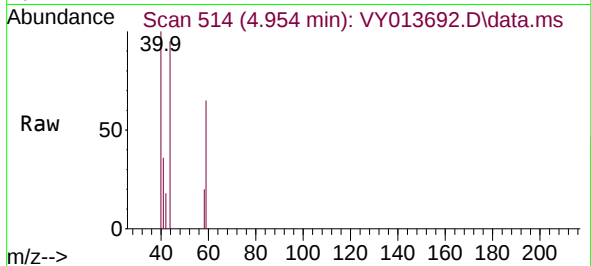




#11
Tert butyl alcohol
Concen: 27.677 ug/l
RT: 4.954 min Scan# 518
Delta R.T. -0.024 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

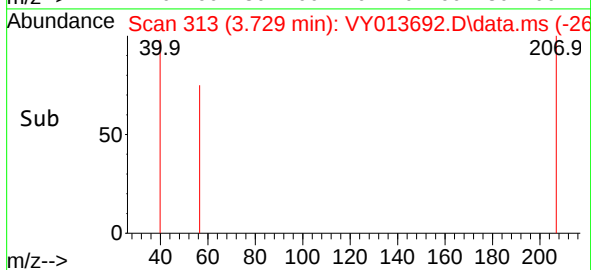
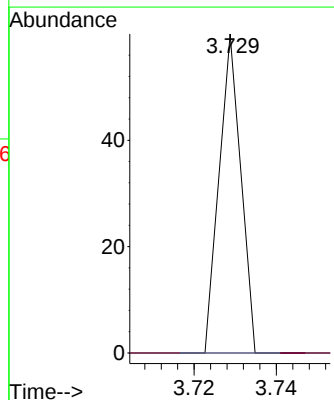
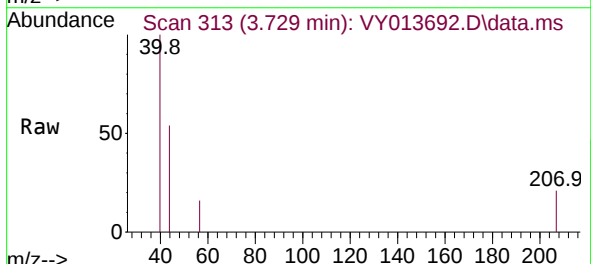
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

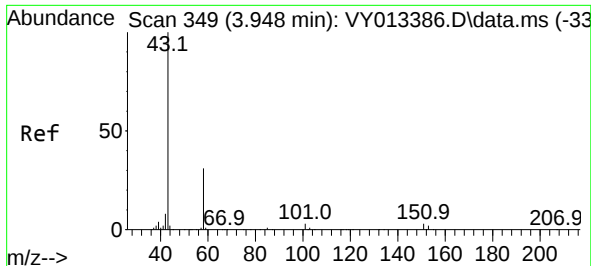
Tgt Ion: 59 Resp: 601
Ion Ratio Lower Upper
59 100
57 5.0 3.0 4.4#



#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

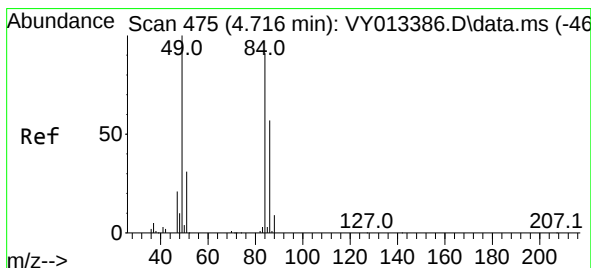
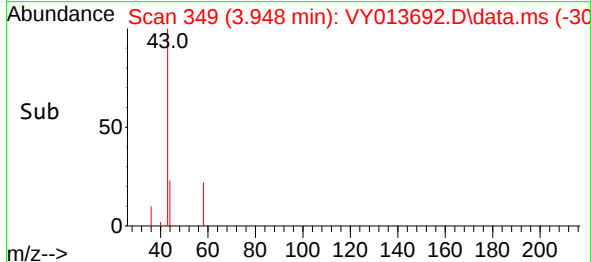
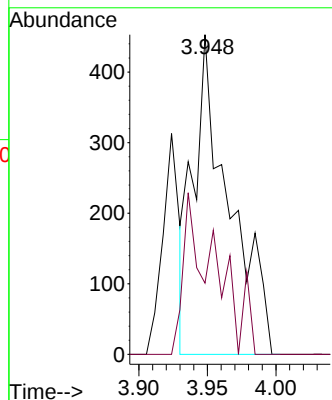
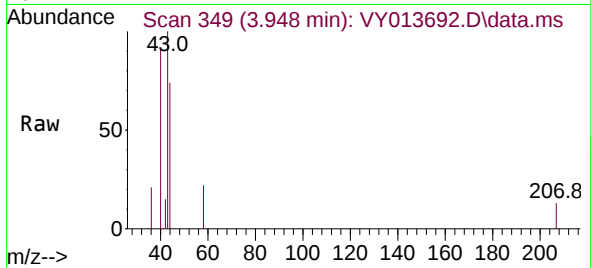




#16
Acetone
Concen: 10.600 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

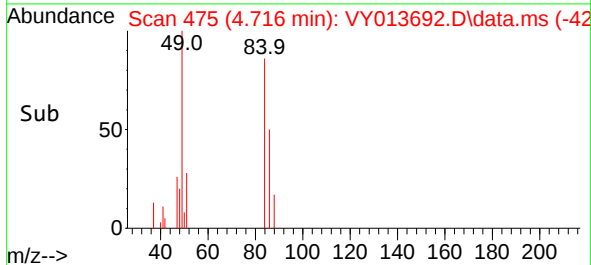
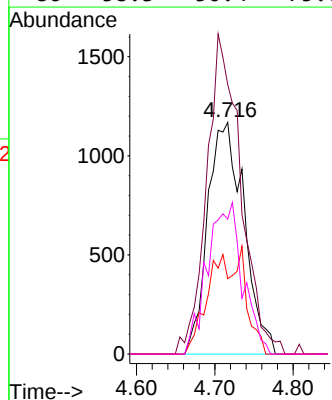
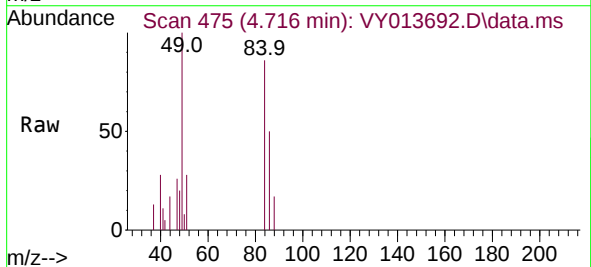
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

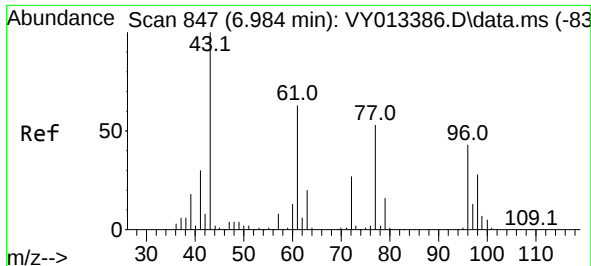
Tgt Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
58 22.3 25.4 38.0#



#20
Methylene Chloride
Concen: 8.912 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

Tgt Ion: 84 Resp: 3780
Ion Ratio Lower Upper
84 100
49 110.8 88.0 132.0
51 32.6 27.4 41.0
86 58.3 50.4 75.6





#25

2-Butanone

Concen: 7.504 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY013692.D

Acq: 10 May 2023 16:53

Instrument :

MSVOA_Y

ClientSampleId :

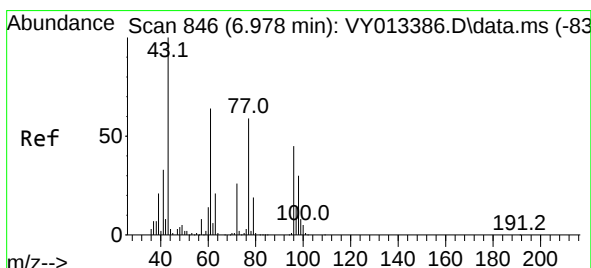
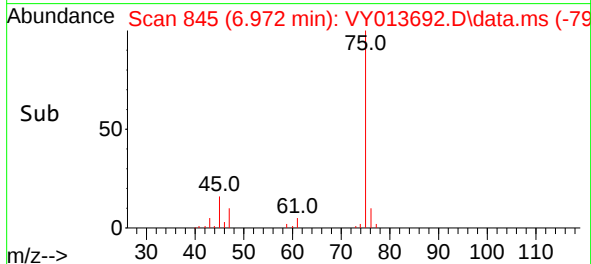
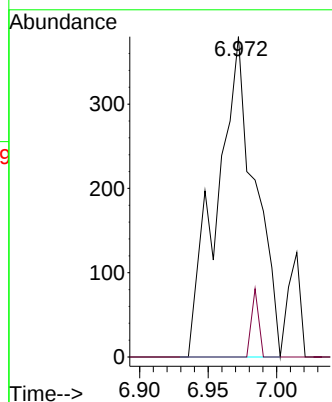
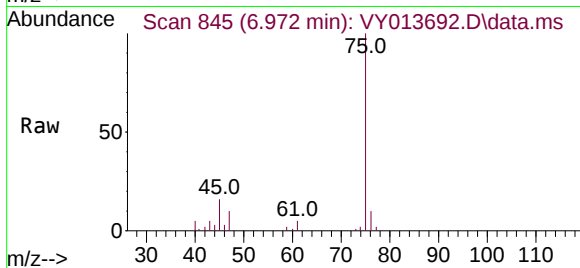
WC-1

Tgt Ion: 43 Resp: 738

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#



#26

2,2-Dichloropropane

Concen: 3.755 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY013692.D

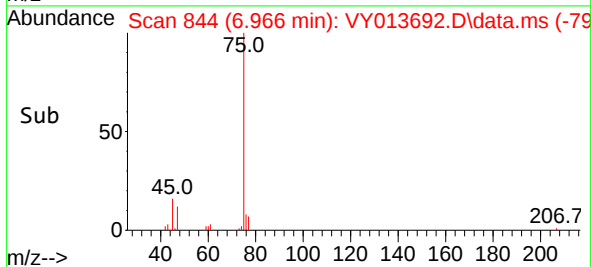
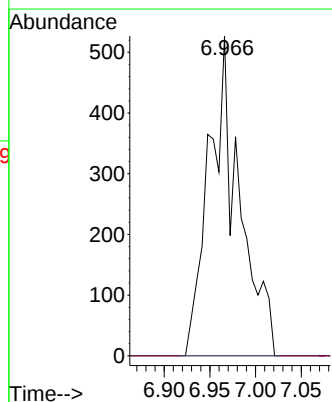
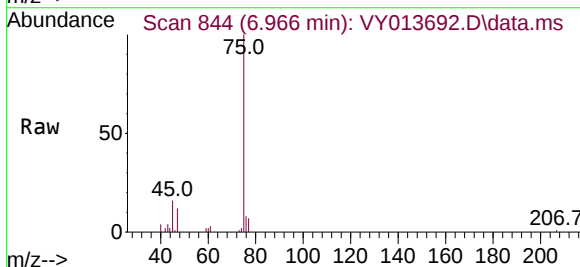
Acq: 10 May 2023 16:53

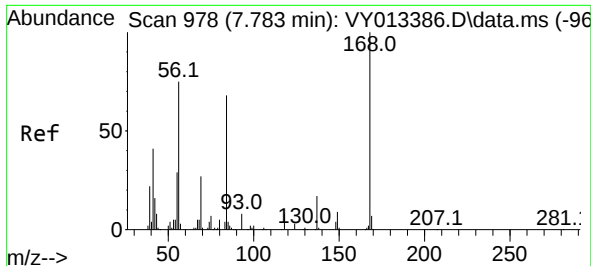
Tgt Ion: 77 Resp: 1221

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#

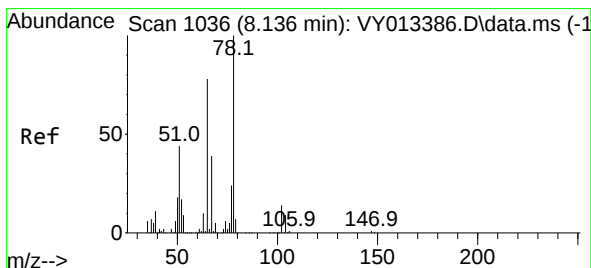
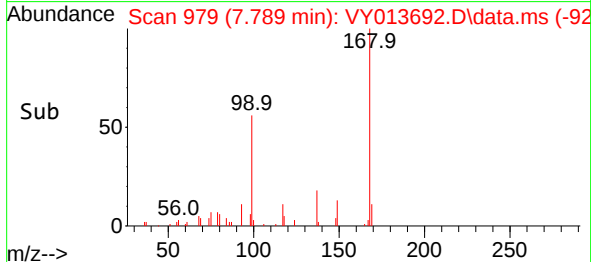
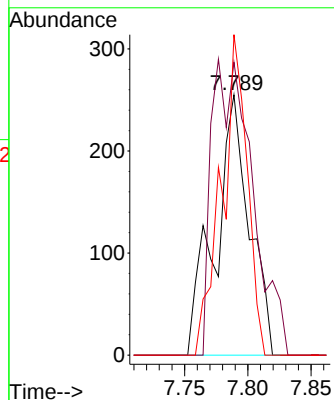
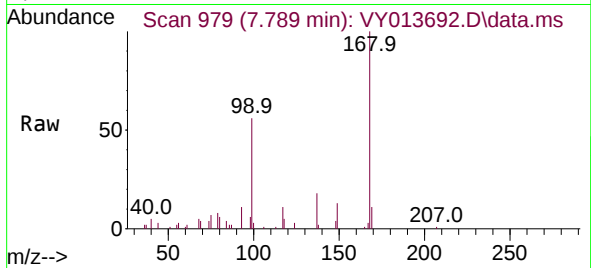




#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

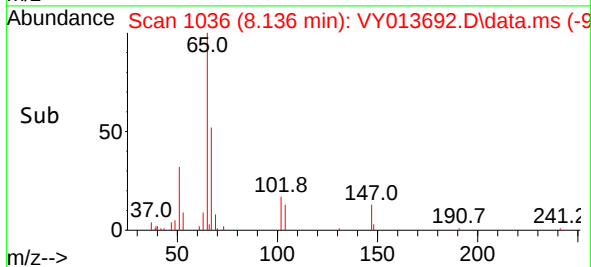
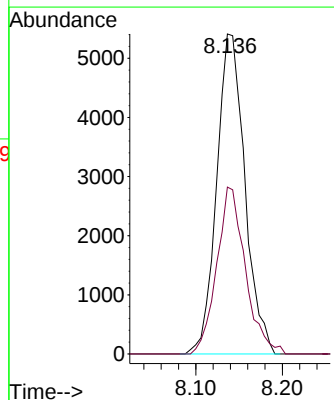
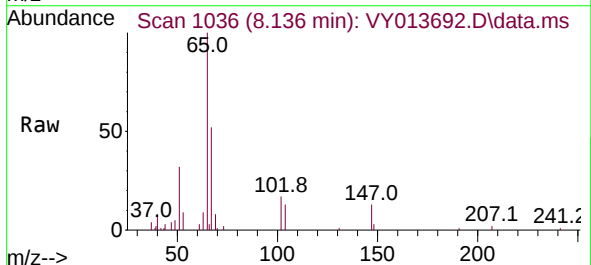
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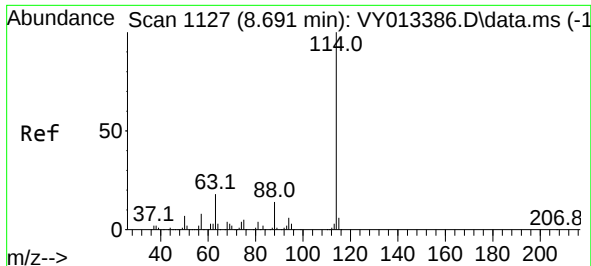
Tgt Ion: 56 Resp: 478
Ion Ratio Lower Upper
56 100
69 112.5 29.2 43.8#
84 123.1 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 62.124 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

Tgt Ion: 65 Resp: 12233
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: VY013692.D

Acq: 10 May 2023 16:53

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

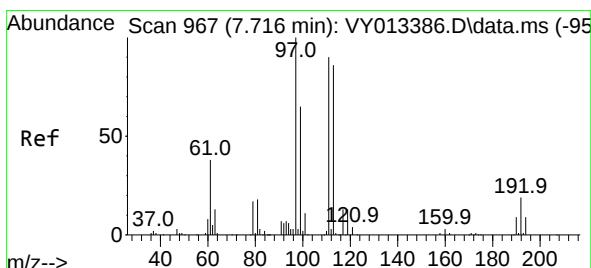
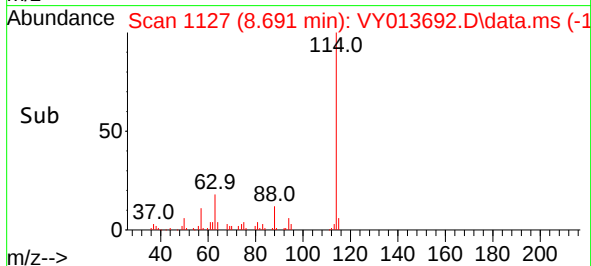
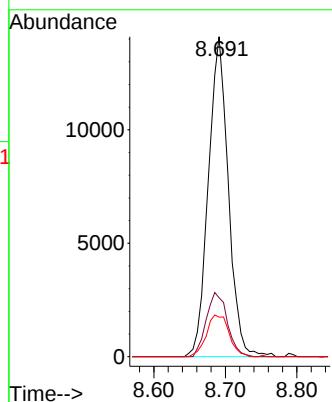
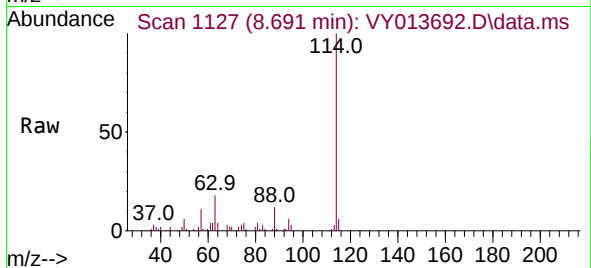
Tgt Ion:114 Resp: 27387

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.6

88 12.3 0.0 28.8



#35

Dibromofluoromethane

Concen: 61.102 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013692.D

Acq: 10 May 2023 16:53

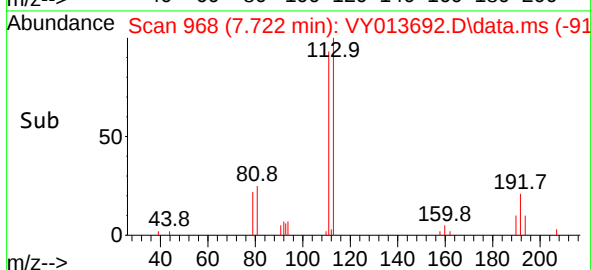
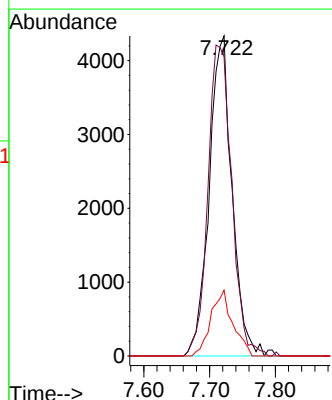
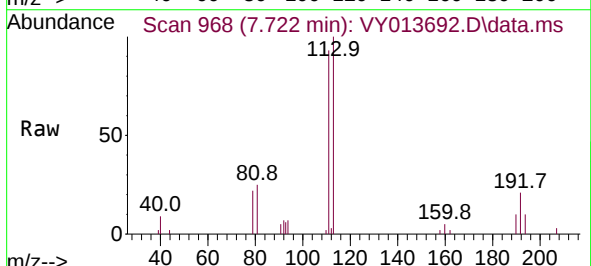
Tgt Ion:113 Resp: 10525

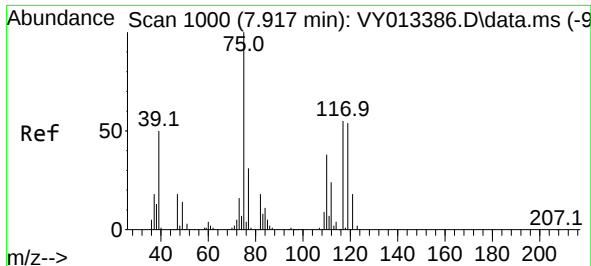
Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.2

192 19.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.719 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013692.D

Acq: 10 May 2023 16:53

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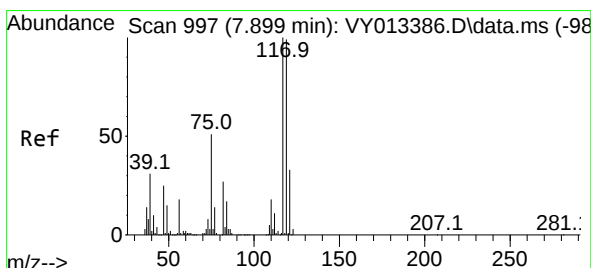
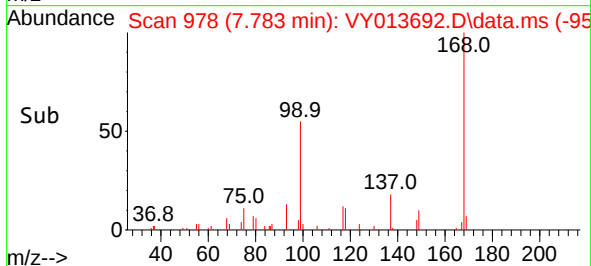
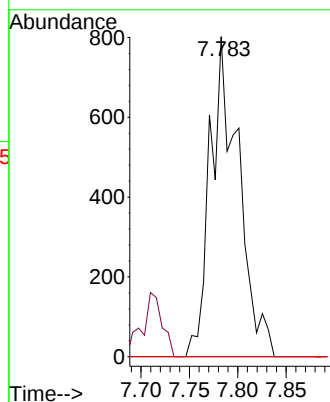
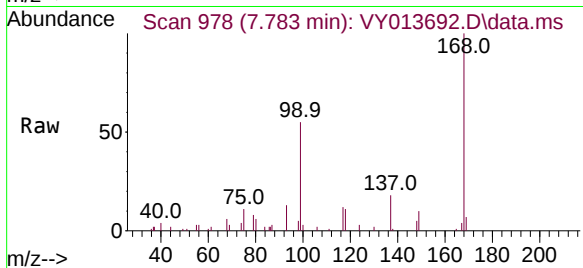
Tgt Ion: 75 Resp: 1635

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.525 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013692.D

Acq: 10 May 2023 16:53

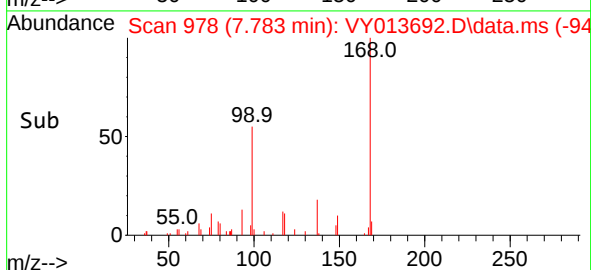
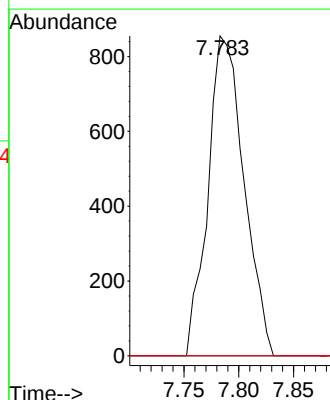
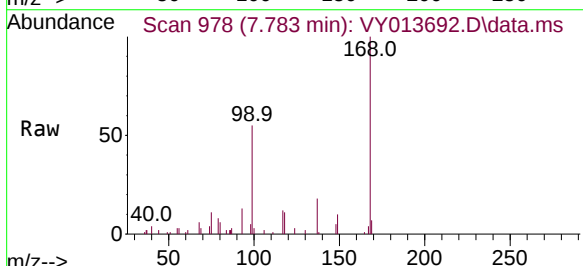
Tgt Ion: 117 Resp: 1955

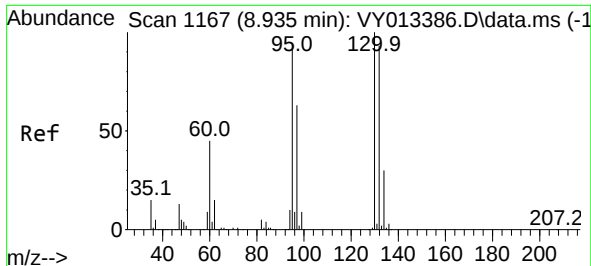
Ion Ratio Lower Upper

117 100

119 0.0 79.0 118.6#

121 0.0 26.6 40.0#

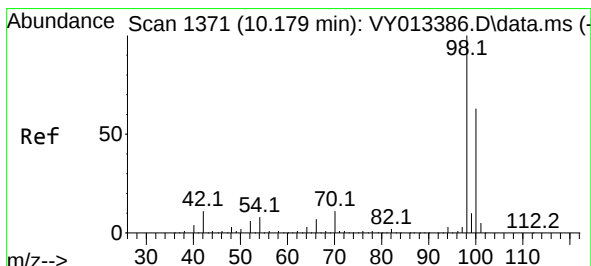
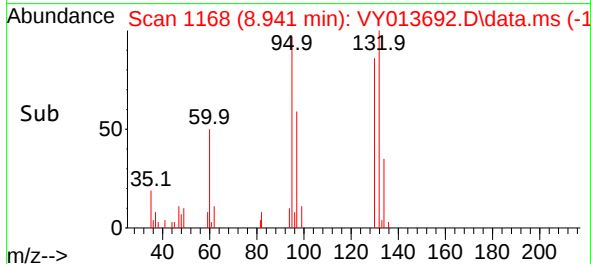
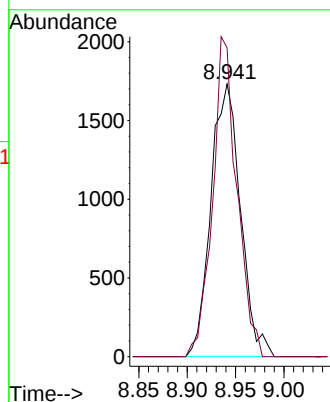
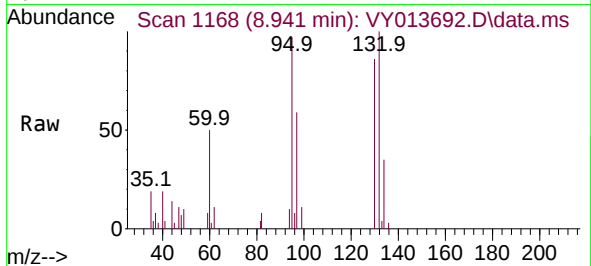




#44
Trichloroethene
Concen: 17.185 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

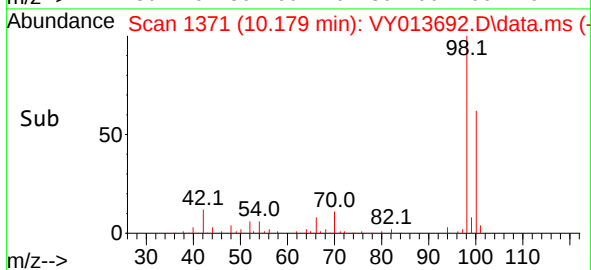
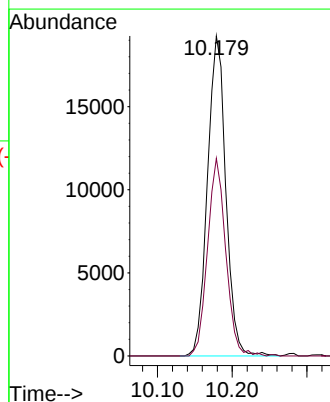
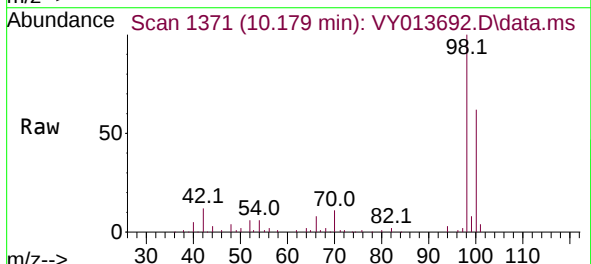
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

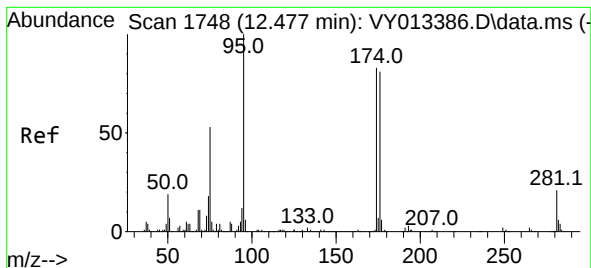
Tgt Ion:130 Resp: 3681
Ion Ratio Lower Upper
130 100
95 113.3 0.0 188.8



#50
Toluene-d8
Concen: 53.596 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

Tgt Ion: 98 Resp: 32842
Ion Ratio Lower Upper
98 100
100 61.3 50.5 75.7

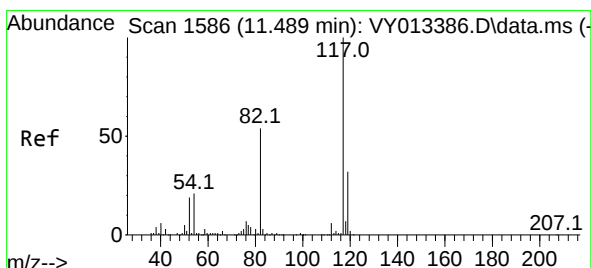
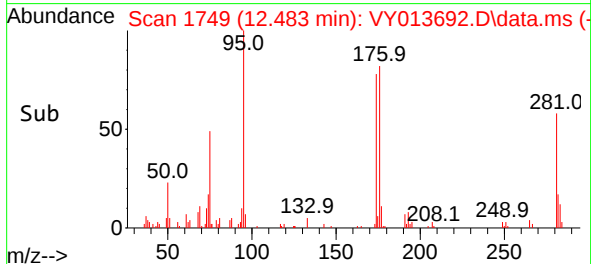
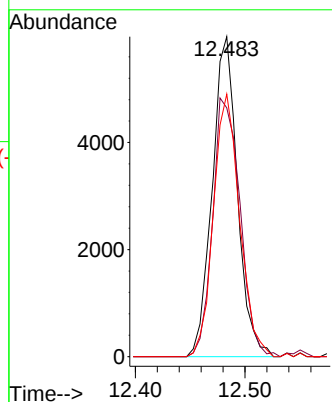
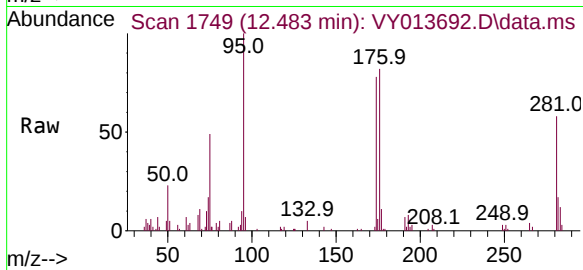




#62
4-Bromofluorobenzene
Concen: 46.142 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

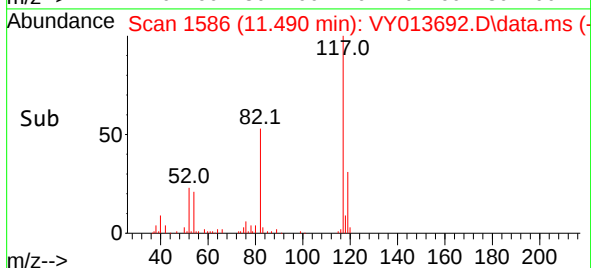
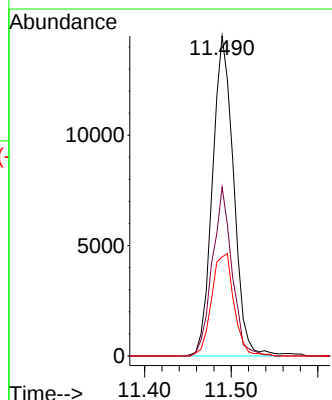
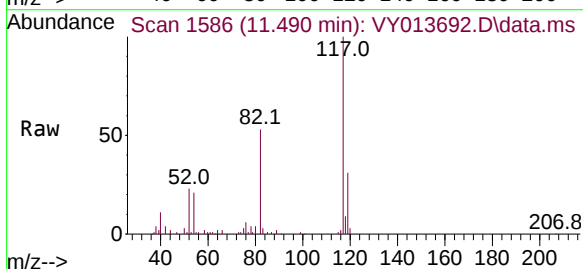
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

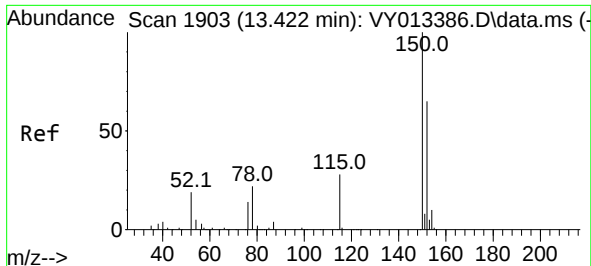
Tgt Ion: 95 Resp: 9532
Ion Ratio Lower Upper
95 100
174 87.7 0.0 182.0
176 85.4 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013692.D
Acq: 10 May 2023 16:53

Tgt Ion: 117 Resp: 24566
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.6
119 31.0 25.5 38.3

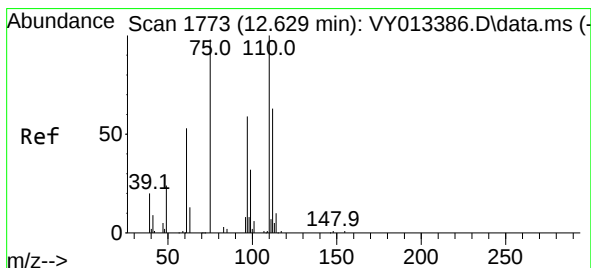
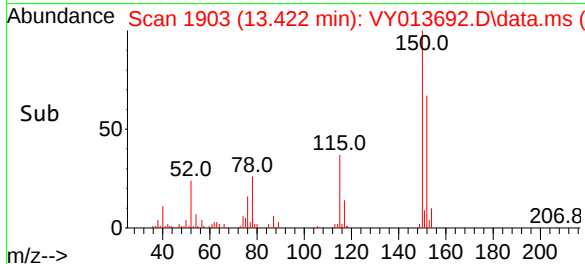
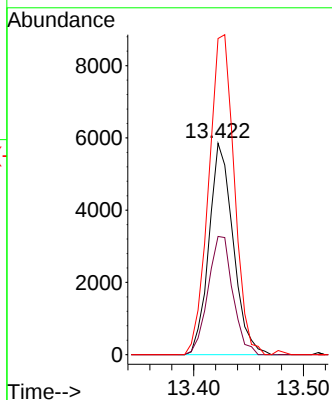
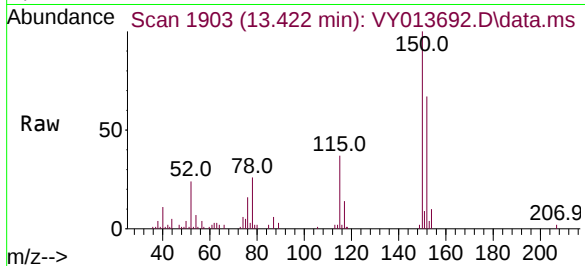




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013692.D
 Acq: 10 May 2023 16:53

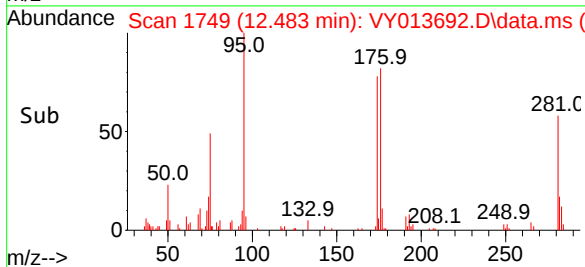
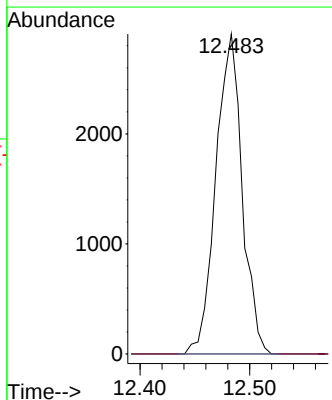
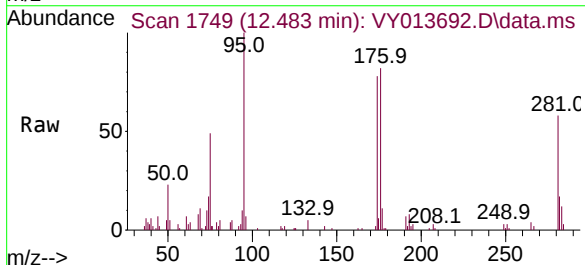
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

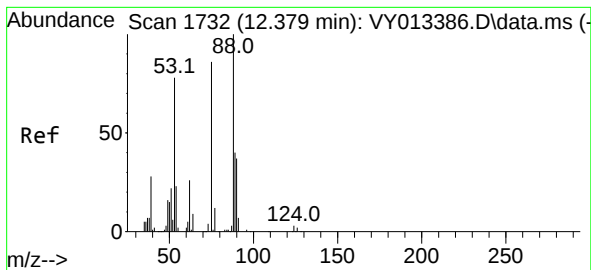
Tgt Ion:152 Resp: 8971
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.1 84.2
 150 160.0 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 40.013 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY013692.D
 Acq: 10 May 2023 16:53

Tgt Ion: 75 Resp: 4841
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.849 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013692.D
 Acq: 10 May 2023 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Tgt Ion: 75 Resp: 4841
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 38.0 57.0#

