

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012903.D
 Acq On : 09 Mar 2023 16:50
 Operator : KP/MD
 Sample : 01833-07
 Misc : 5.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 11

Quant Time: Mar 10 00:32:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	80902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	135130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	123553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55208	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50469	62.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.660%
35) Dibromofluoromethane	7.716	113	46738	57.312	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.620%
50) Toluene-d8	10.179	98	161390	54.133	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.260%
62) 4-Bromofluorobenzene	12.483	95	48316	48.015	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.020%

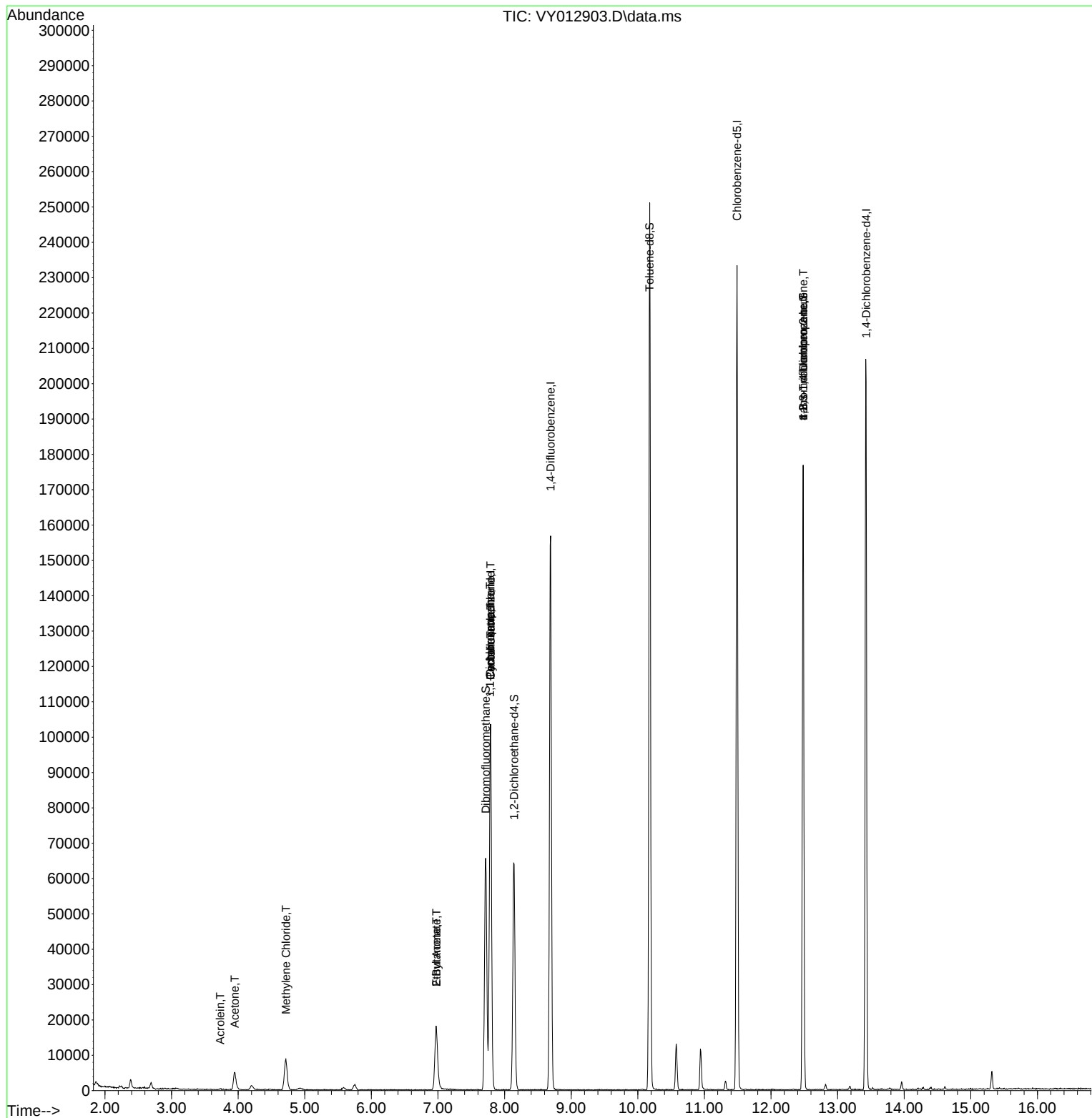
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	493	Below Cal	#	74
13) Acrolein	3.729	56	271	1.926	ug/l #	40
16) Acetone	3.948	43	8897	28.219	ug/l	97
20) Methylene Chloride	4.716	84	6450	1.491	ug/l	91
25) 2-Butanone	6.978	43	3613	9.252	ug/l	93
31) Cyclohexane	7.789	56	1754	1.140	ug/l #	13
36) 1,1-Dichloropropene	7.783	75	6283	4.598	ug/l #	49
37) Ethyl Acetate	6.978	43	3613	4.195	ug/l #	70
38) Carbon Tetrachloride	7.789	117	8072	5.720	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	25560	38.770	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25560	80.333	ug/l #	13

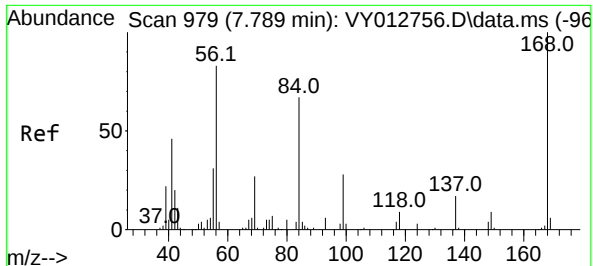
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration

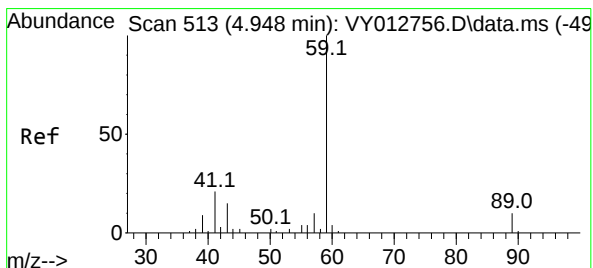
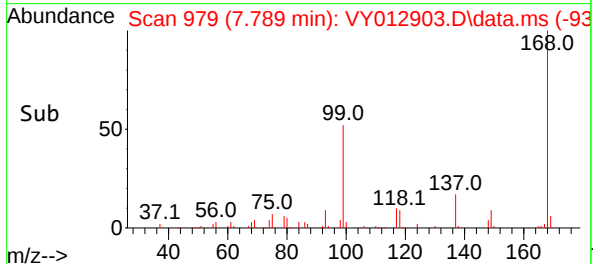
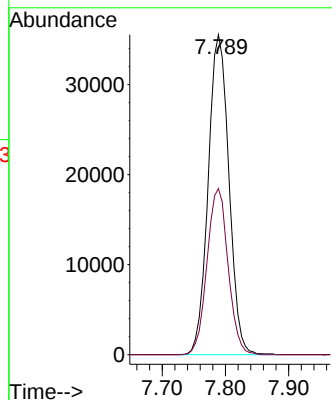
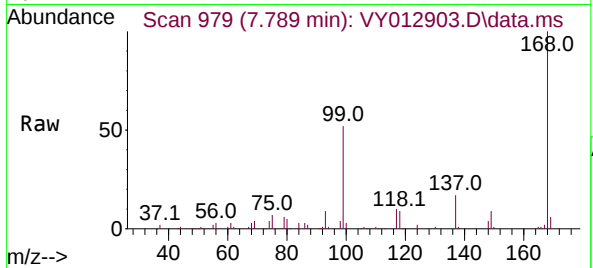




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012903.D
Acq: 09 Mar 2023 16:50

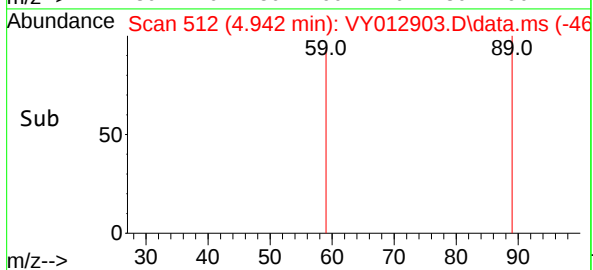
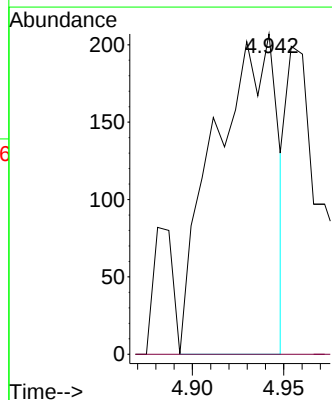
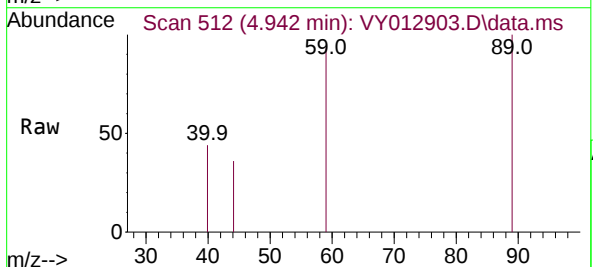
Instrument :
MSVOA_Y
ClientSampleId :
11

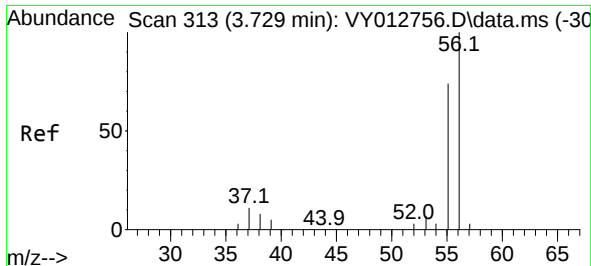
Tgt Ion:168 Resp: 80902
Ion Ratio Lower Upper
168 100
99 51.9 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012903.D
Acq: 09 Mar 2023 16:50

Tgt Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#13

Acrolein

Concen: 1.926 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY012903.D

Acq: 09 Mar 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

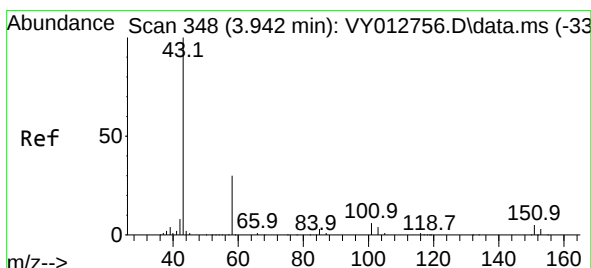
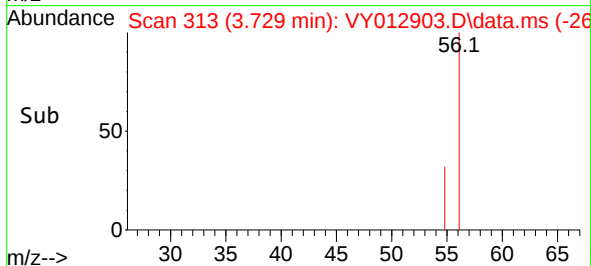
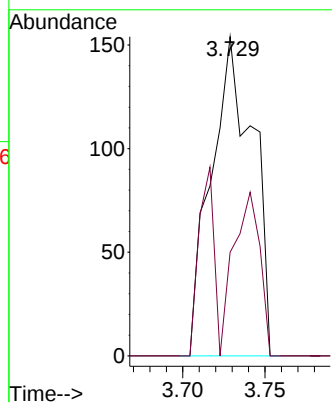
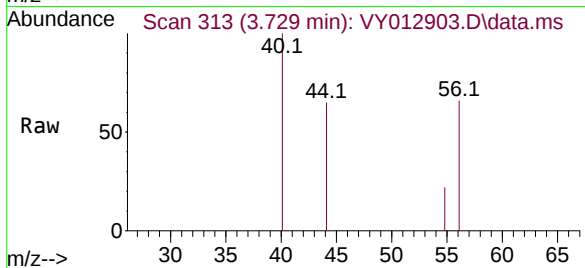
11

Tgt Ion: 56 Resp: 271

Ion Ratio Lower Upper

56 100

55 21.4 56.8 85.2#



#16

Acetone

Concen: 28.219 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY012903.D

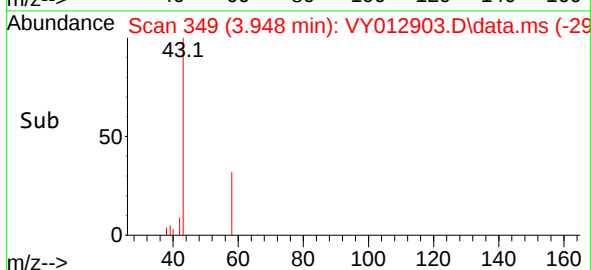
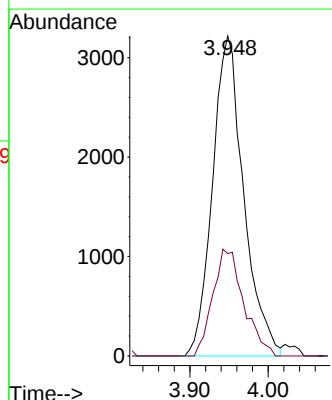
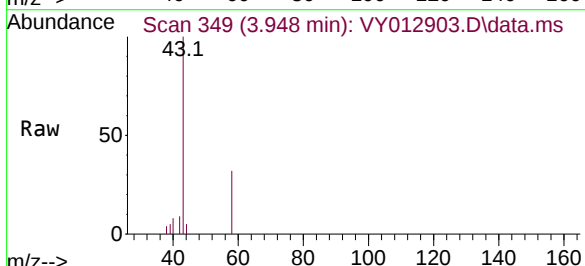
Acq: 09 Mar 2023 16:50

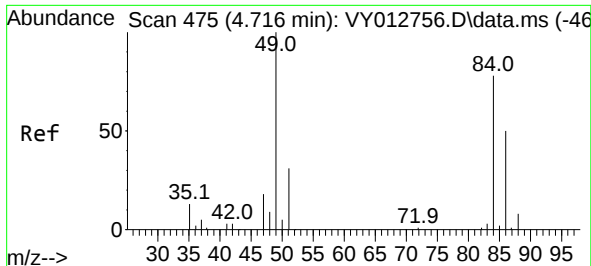
Tgt Ion: 43 Resp: 8897

Ion Ratio Lower Upper

43 100

58 32.0 24.2 36.2



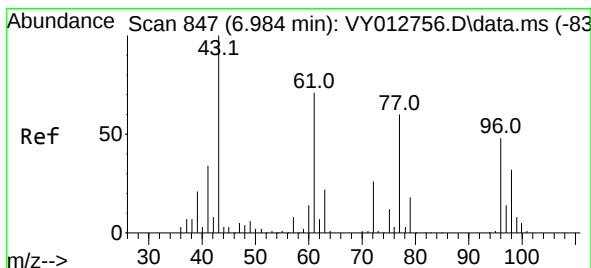
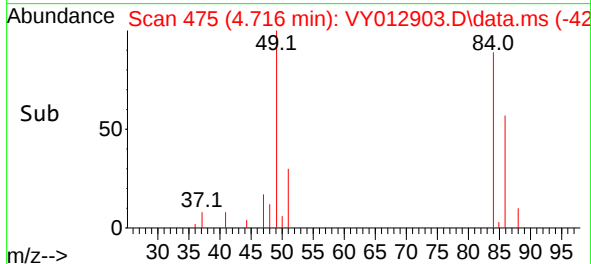
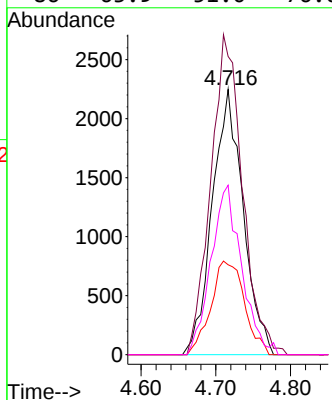
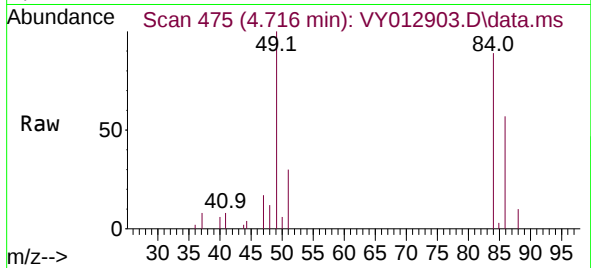


#20
Methylene Chloride
Concen: 1.491 ug/l
RT: 4.716 min Scan# 411
Delta R.T. 0.000 min
Lab File: VY012903.D
Acq: 09 Mar 2023 16:50

Instrument :
MSVOA_Y
ClientSampleId :
11

Tgt Ion: 84 Resp: 6450

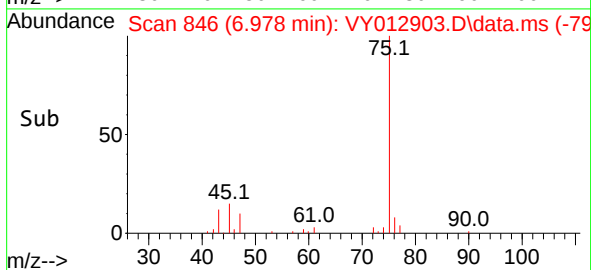
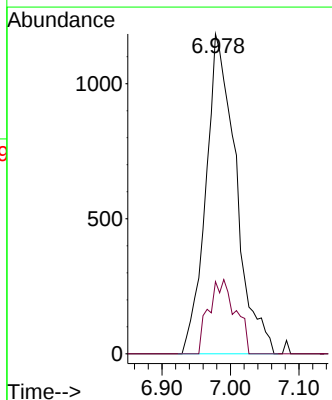
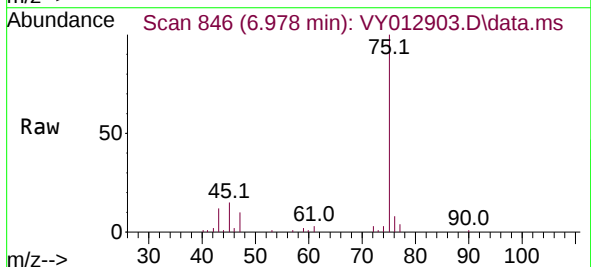
Ion	Ratio	Lower	Upper
84	100		
49	112.5	102.6	154.0
51	33.9	31.9	47.9
86	63.9	51.0	76.6

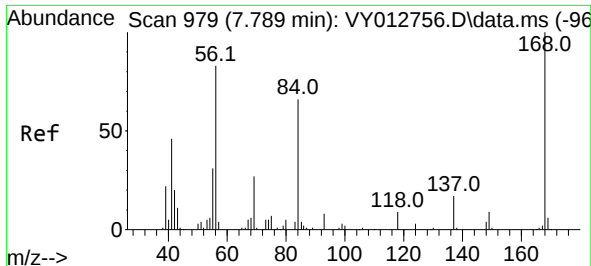


#25
2-Butanone
Concen: 9.252 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012903.D
Acq: 09 Mar 2023 16:50

Tgt Ion: 43 Resp: 3613

Ion	Ratio	Lower	Upper
43	100		
72	22.6	21.0	31.4

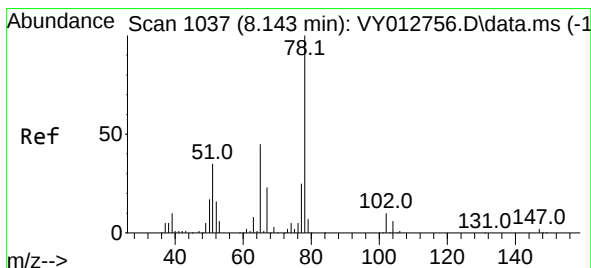
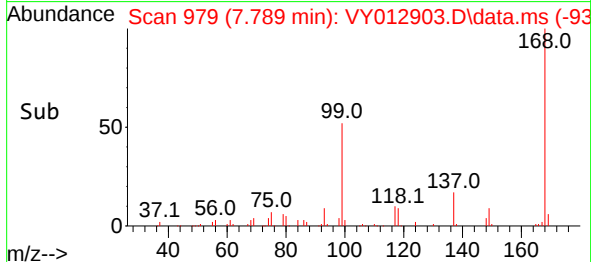
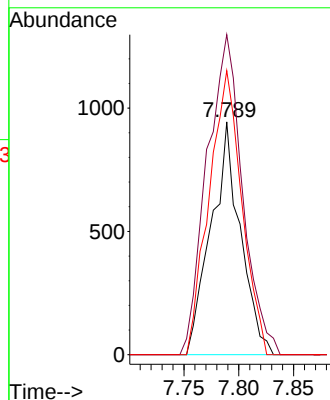
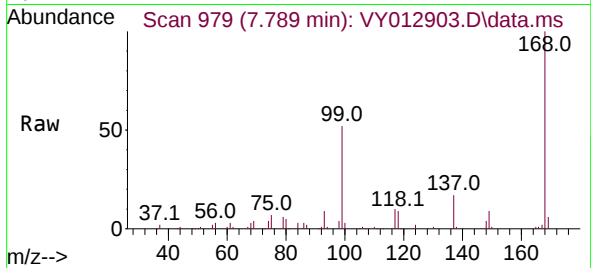




#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012903.D
Acq: 09 Mar 2023 16:50

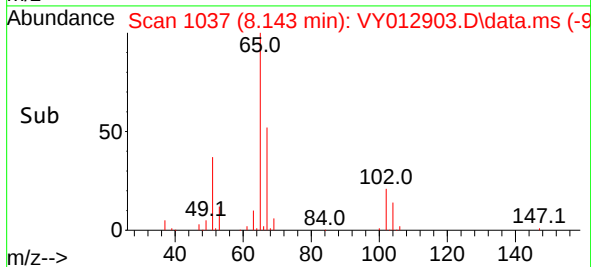
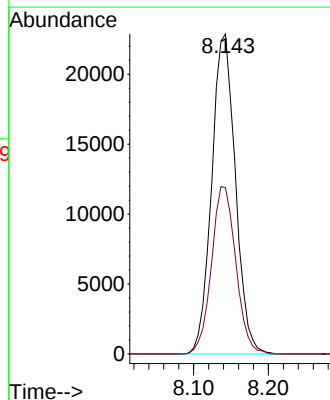
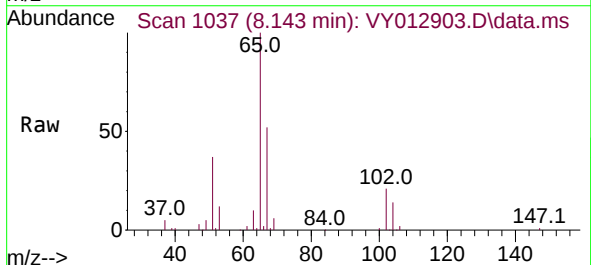
Instrument :
MSVOA_Y
ClientSampleId :
11

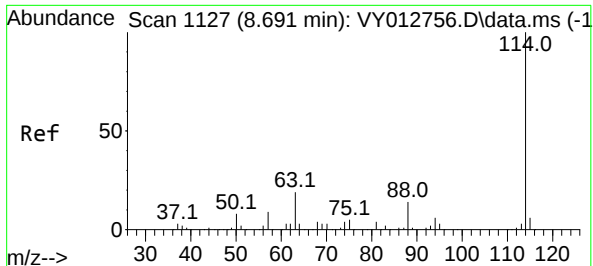
Tgt Ion: 56 Resp: 1754
Ion Ratio Lower Upper
56 100
69 137.5 25.7 38.5#
84 122.0 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 62.831 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012903.D
Acq: 09 Mar 2023 16:50

Tgt Ion: 65 Resp: 50469
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012903.D

Acq: 09 Mar 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

11

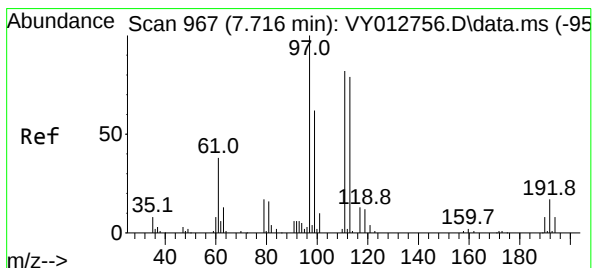
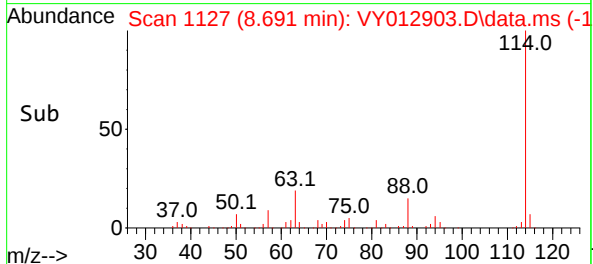
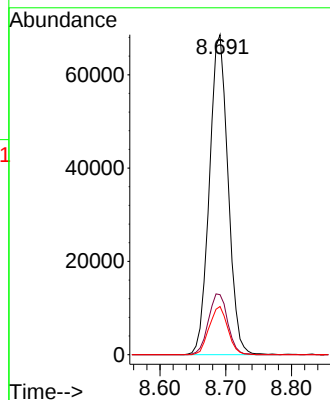
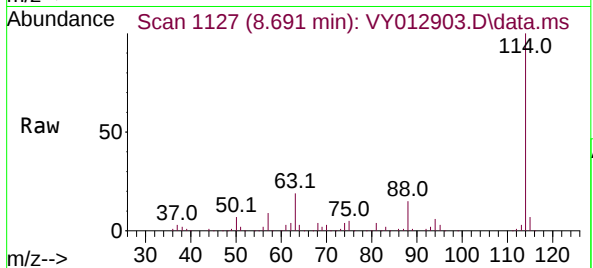
Tgt Ion:114 Resp: 135130

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.4

88 15.1 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.312 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012903.D

Acq: 09 Mar 2023 16:50

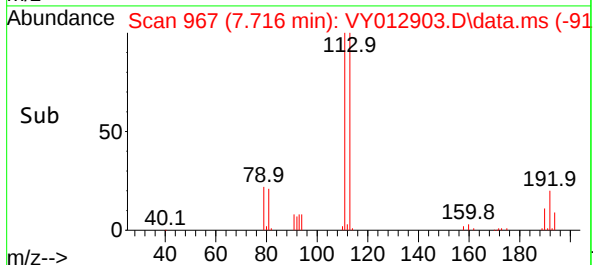
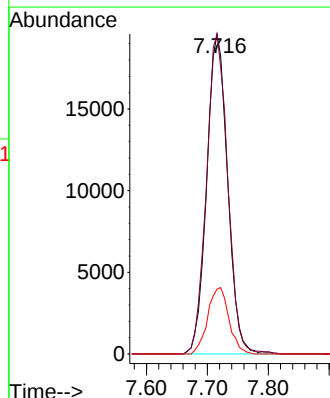
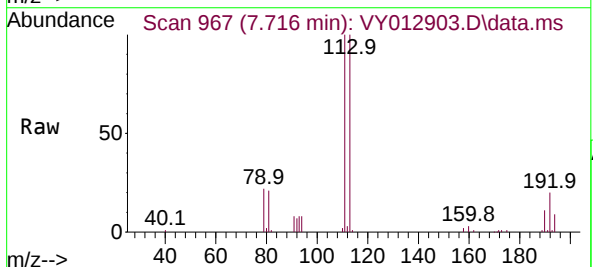
Tgt Ion:113 Resp: 46738

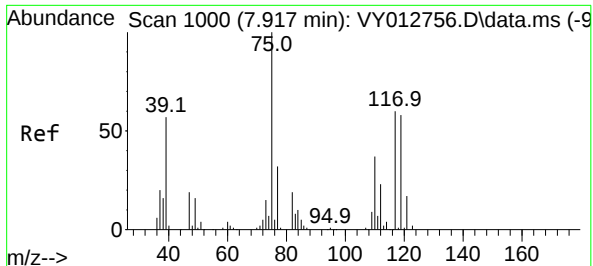
Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.2

192 21.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 7.783 min Scan# 911

Delta R.T. -0.134 min

Lab File: VY012903.D

Acq: 09 Mar 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

11

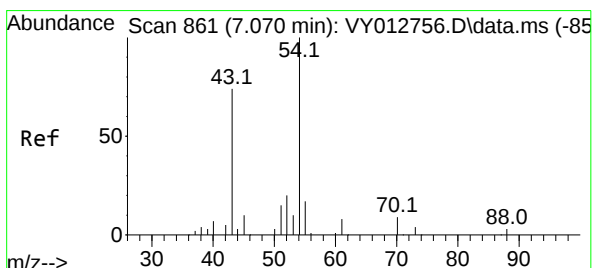
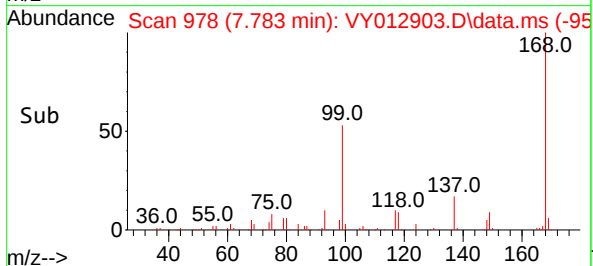
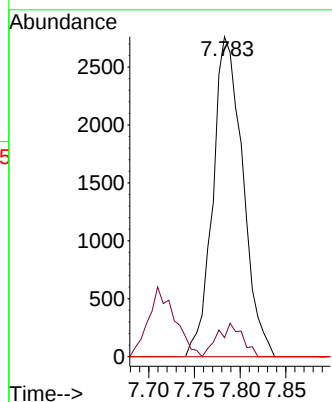
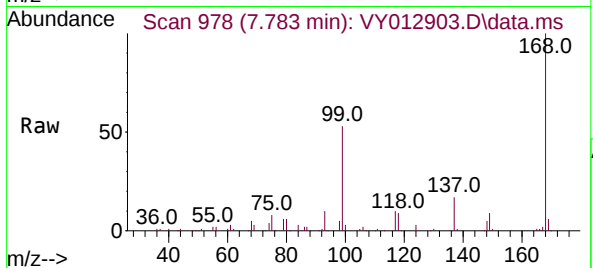
Tgt Ion: 75 Resp: 6283

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 4.195 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.091 min

Lab File: VY012903.D

Acq: 09 Mar 2023 16:50

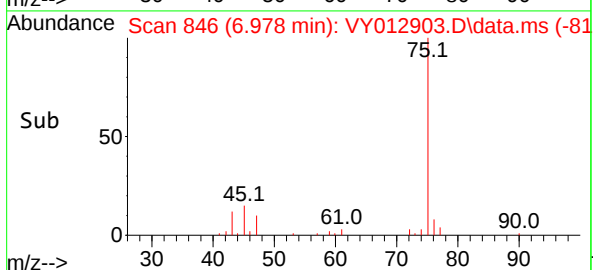
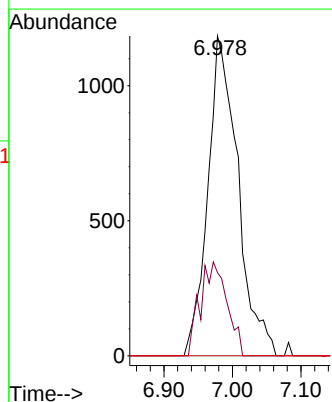
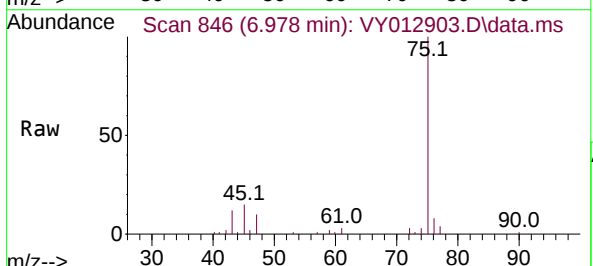
Tgt Ion: 43 Resp: 3613

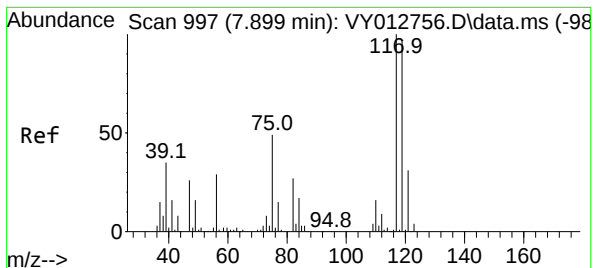
Ion Ratio Lower Upper

43 100

61 26.2 10.7 16.1#

70 0.0 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 5.720 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY012903.D

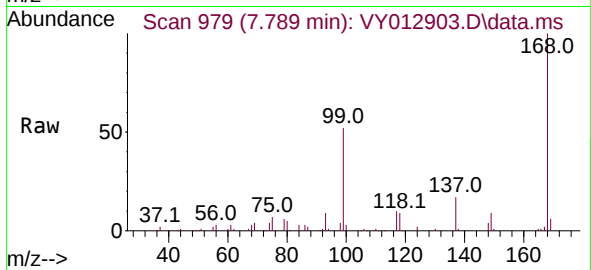
Acq: 09 Mar 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

11



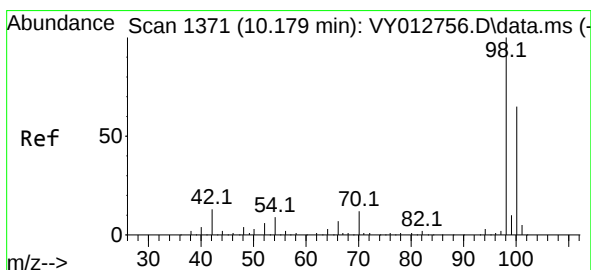
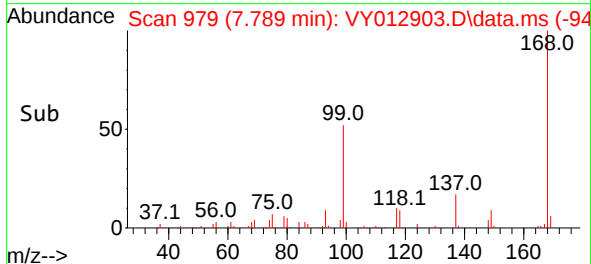
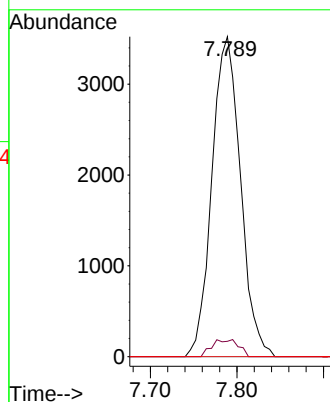
Tgt Ion:117 Resp: 8072

Ion Ratio Lower Upper

117 100

119 4.8 77.2 115.8#

121 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 54.133 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012903.D

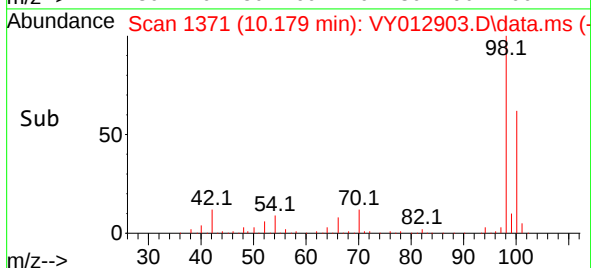
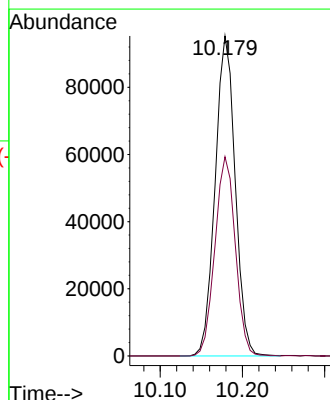
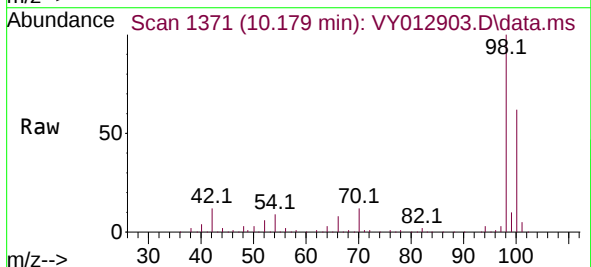
Acq: 09 Mar 2023 16:50

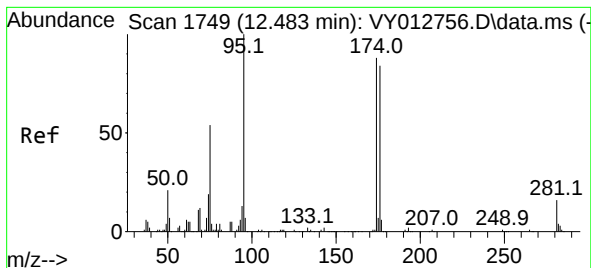
Tgt Ion: 98 Resp: 161390

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3

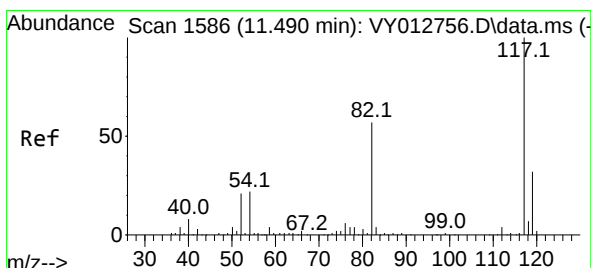
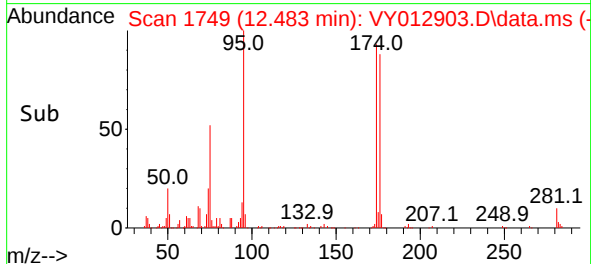
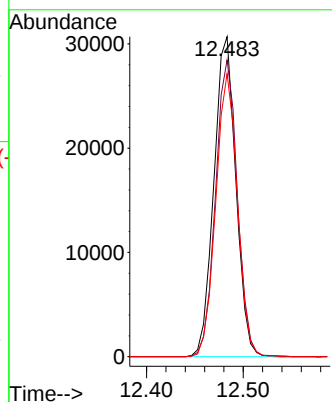
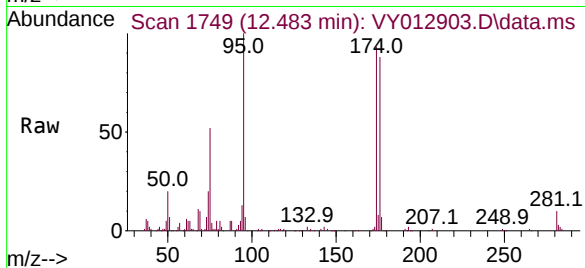




#62
4-Bromofluorobenzene
Concen: 48.015 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012903.D
Acq: 09 Mar 2023 16:50

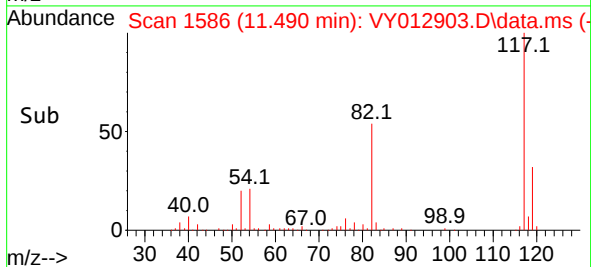
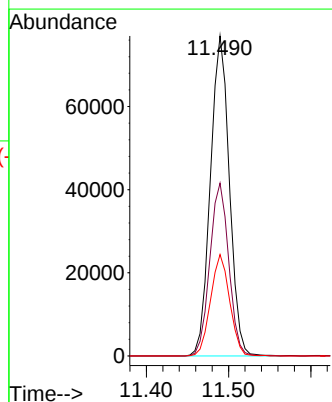
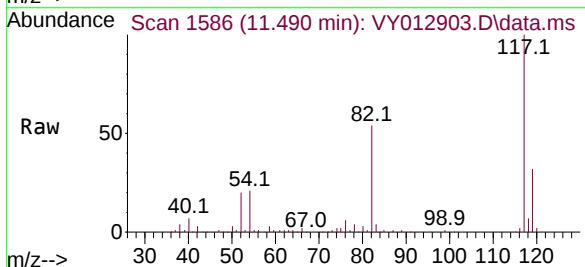
Instrument :
MSVOA_Y
ClientSampleId :
11

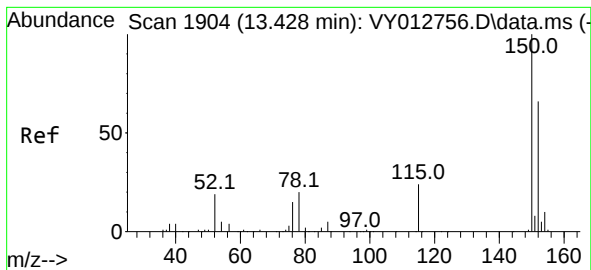
Tgt Ion: 95 Resp: 48316
Ion Ratio Lower Upper
95 100
174 92.2 0.0 176.6
176 87.1 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012903.D
Acq: 09 Mar 2023 16:50

Tgt Ion: 117 Resp: 123553
Ion Ratio Lower Upper
117 100
82 54.0 45.4 68.0
119 31.7 25.6 38.4

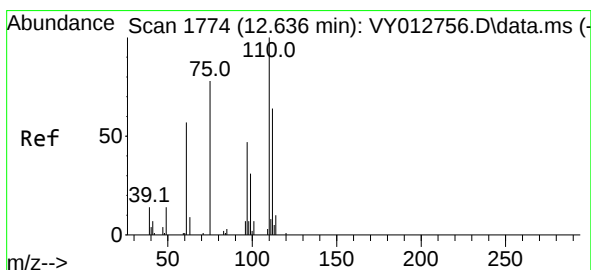
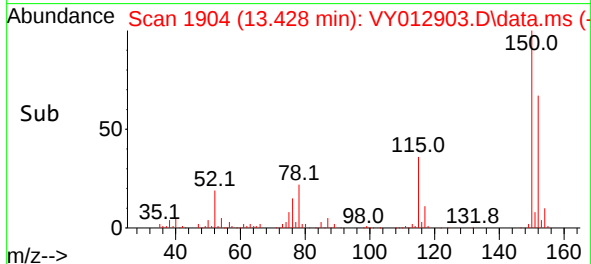
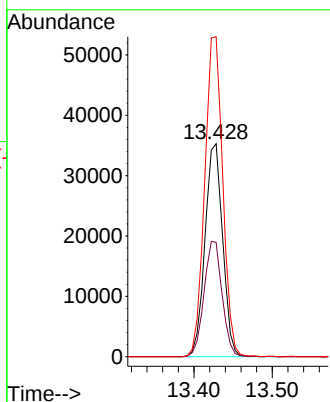
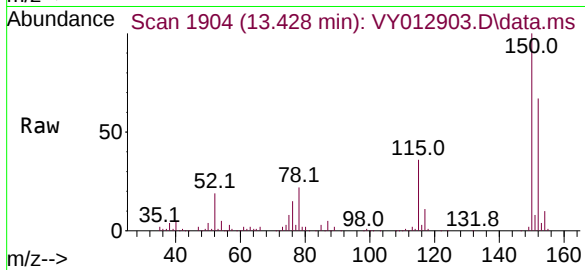




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012903.D
 Acq: 09 Mar 2023 16:50

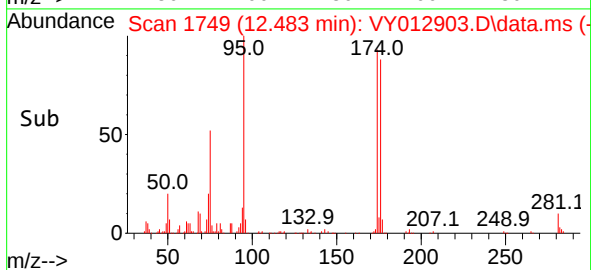
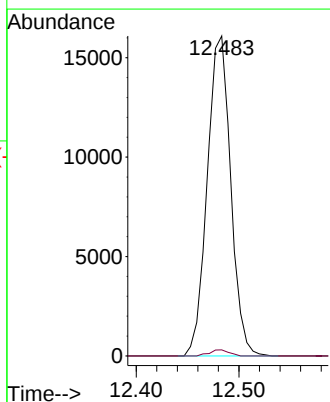
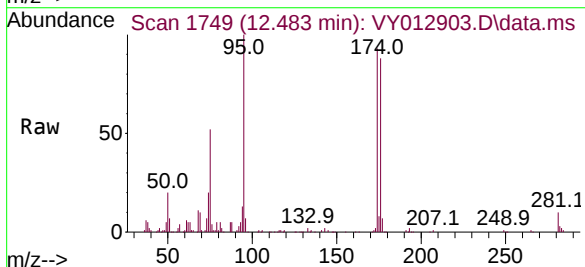
Instrument :
 MSVOA_Y
 ClientSampleId :
 11

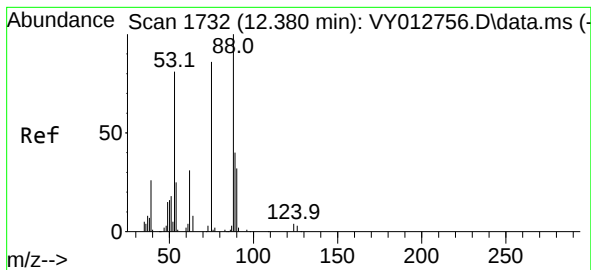
Tgt Ion:152 Resp: 55208
 Ion Ratio Lower Upper
 152 100
 115 55.4 27.1 81.3
 150 153.4 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 38.770 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012903.D
 Acq: 09 Mar 2023 16:50

Tgt Ion: 75 Resp: 25560
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.333 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012903.D
 Acq: 09 Mar 2023 16:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 11

Tgt Ion: 75 Resp: 25560
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.0#
 89 0.1 36.6 55.0#

