

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012898.D
 Acq On : 09 Mar 2023 14:53
 Operator : KP/MD
 Sample : 01837-01
 Misc : 14.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-23-3.5-030723

Quant Time: Mar 10 00:31:02 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)

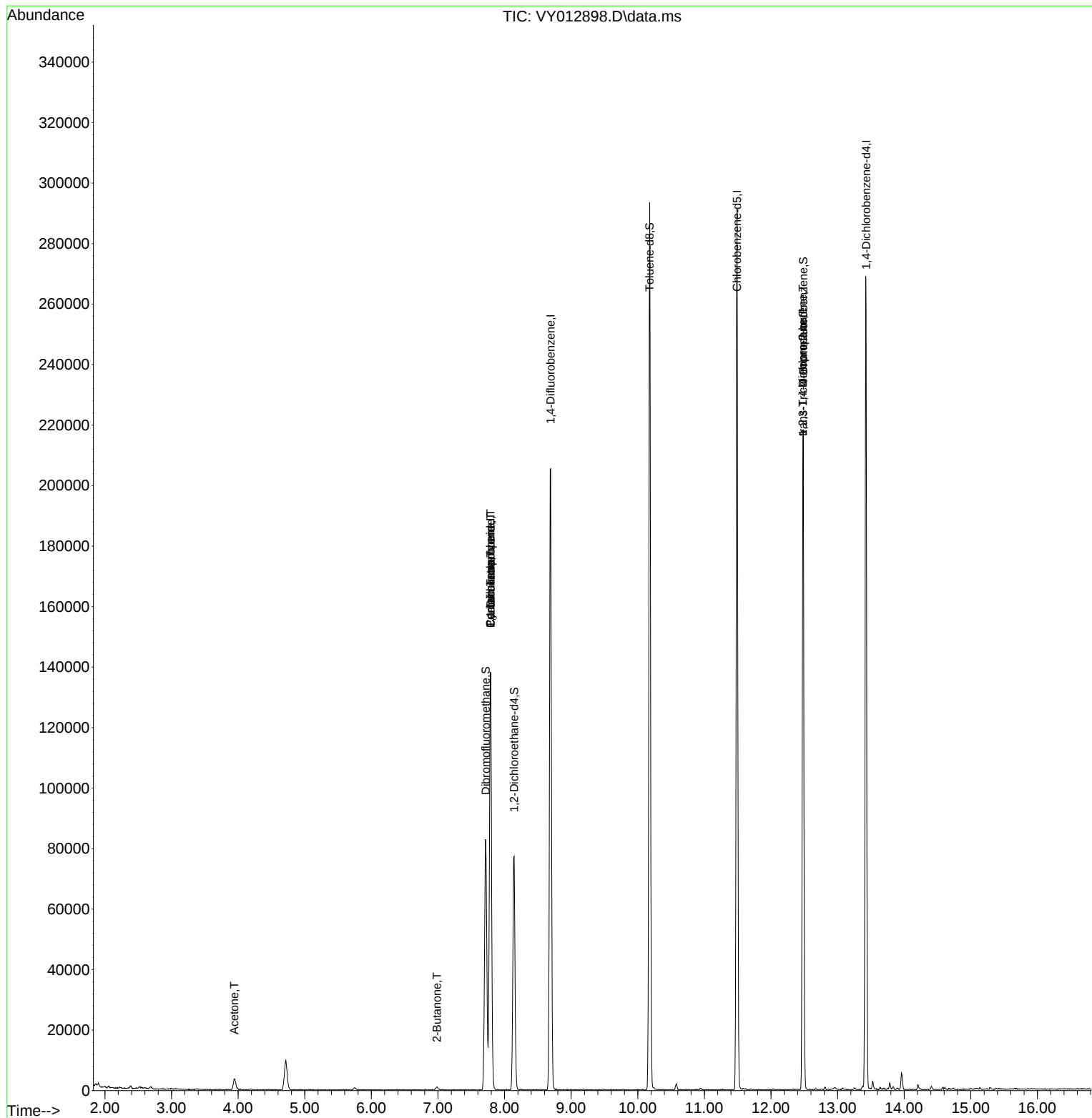
Internal Standards						
1) Pentafluorobenzene	7.789	168	107525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	175652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	152280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	61061	57.196	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.400%	
35) Dibromofluoromethane	7.716	113	57629	54.364	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.720%	
50) Toluene-d8	10.179	98	186183	48.043	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.080%	
62) 4-Bromofluorobenzene	12.483	95	60908	46.565	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.120%	
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	6642	15.851	ug/l	95
25) 2-Butanone	6.984	43	1101	2.121	ug/l	95
31) Cyclohexane	7.789	56	2447	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8195	4.613	ug/l #	50
38) Carbon Tetrachloride	7.789	117	10547	5.749	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	32240	38.928	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	32240	80.660	ug/l #	13

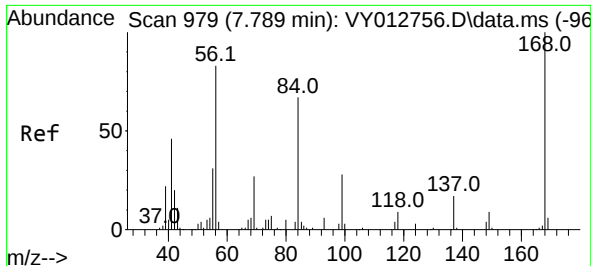
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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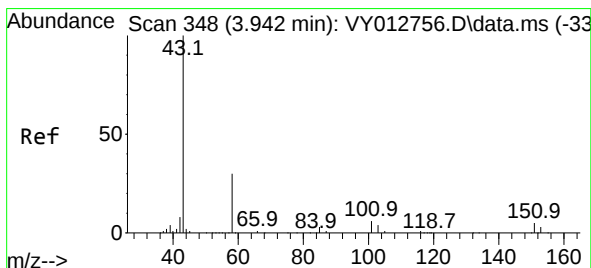
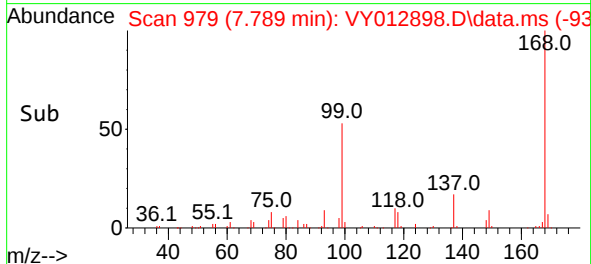
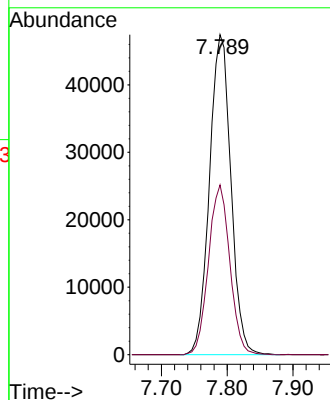
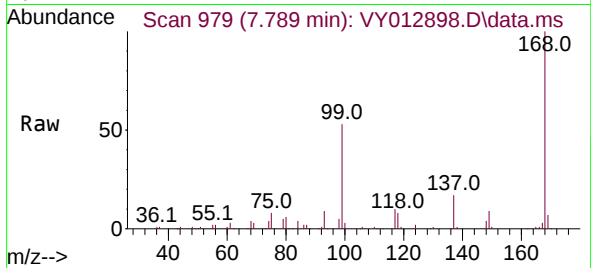




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012898.D
Acq: 09 Mar 2023 14:53

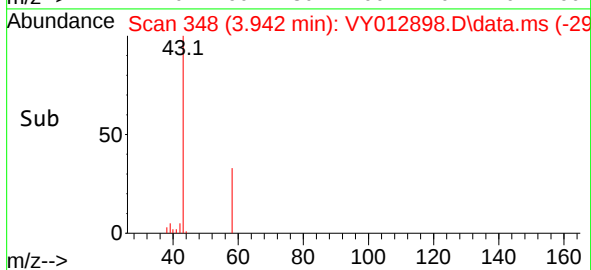
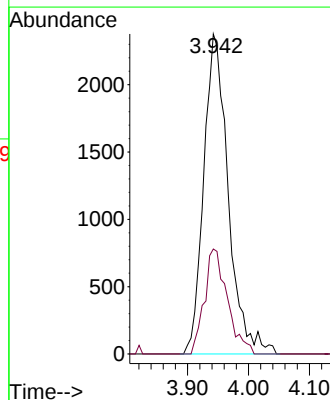
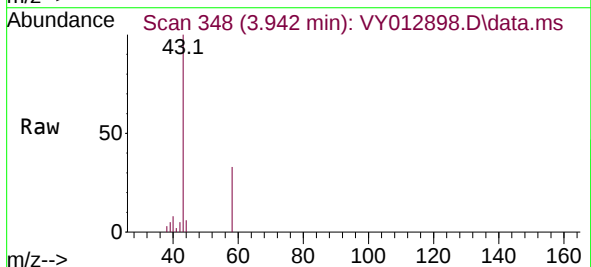
Instrument :
MSVOA_Y
ClientSampleId :
CB-23-3.5-030723

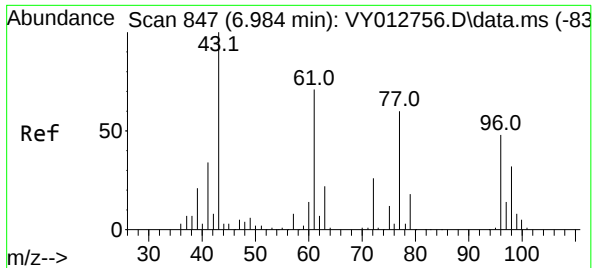
Tgt Ion:168 Resp: 107525
Ion Ratio Lower Upper
168 100
99 53.1 41.7 62.5



#16
Acetone
Concen: 15.851 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012898.D
Acq: 09 Mar 2023 14:53

Tgt Ion: 43 Resp: 6642
Ion Ratio Lower Upper
43 100
58 32.8 24.2 36.2





#25

2-Butanone

Concen: 2.121 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012898.D

Acq: 09 Mar 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :

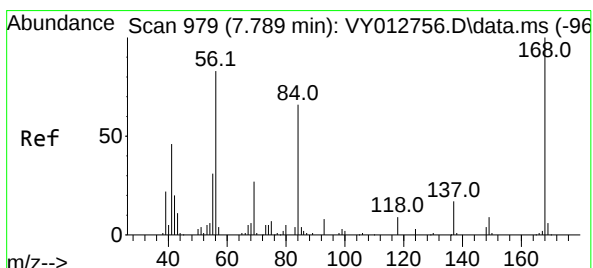
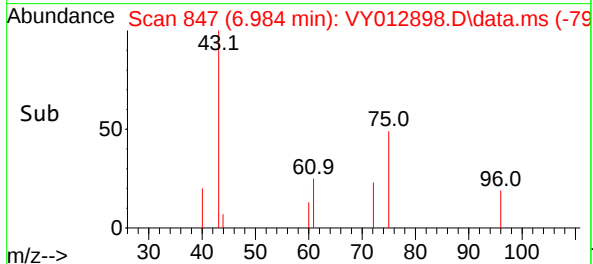
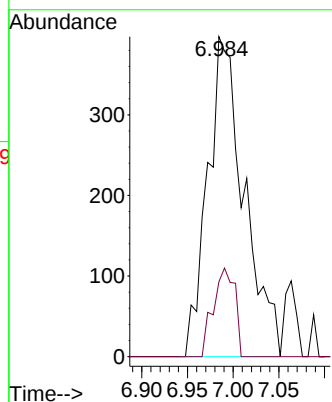
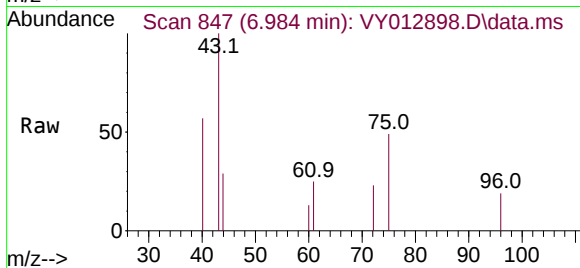
CB-23-3.5-030723

Tgt Ion: 43 Resp: 1101

Ion Ratio Lower Upper

43 100

72 23.4 21.0 31.4



#31

Cyclohexane

Concen: 1.197 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY012898.D

Acq: 09 Mar 2023 14:53

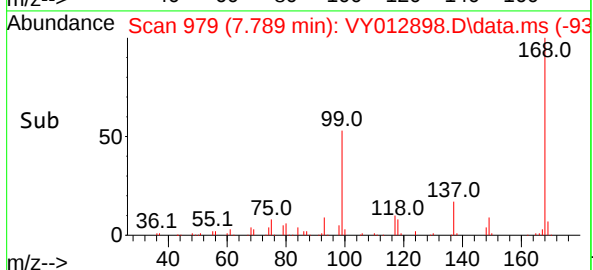
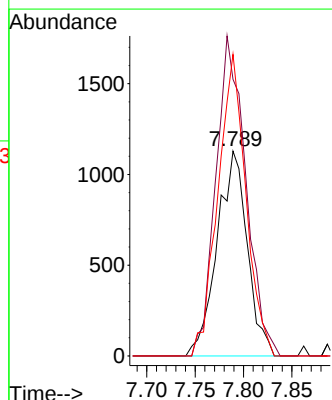
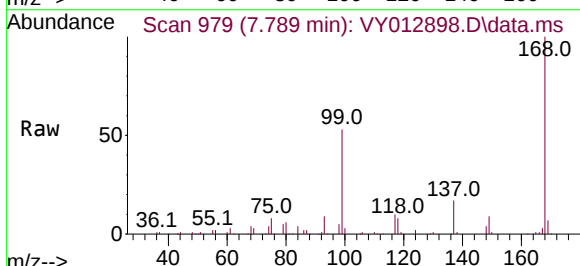
Tgt Ion: 56 Resp: 2447

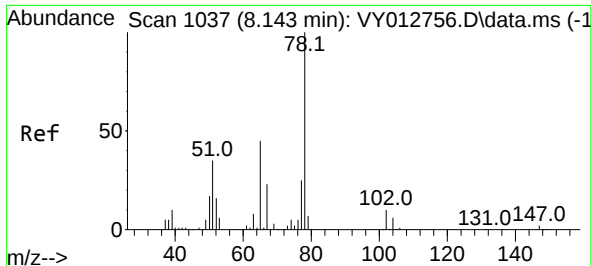
Ion Ratio Lower Upper

56 100

69 135.1 25.7 38.5#

84 147.3 64.3 96.5#

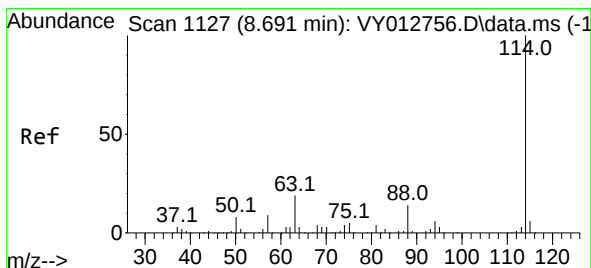
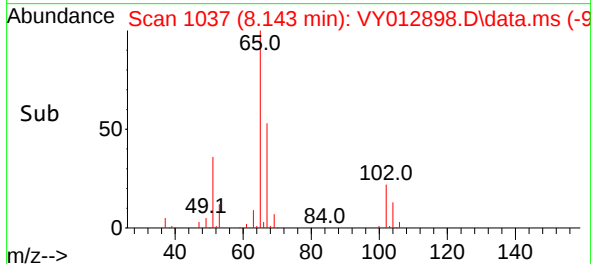
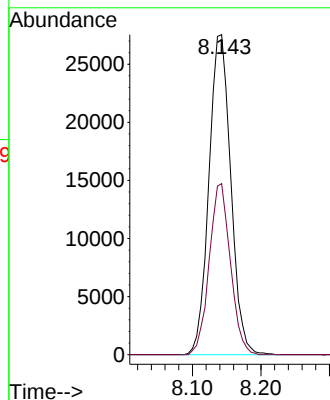
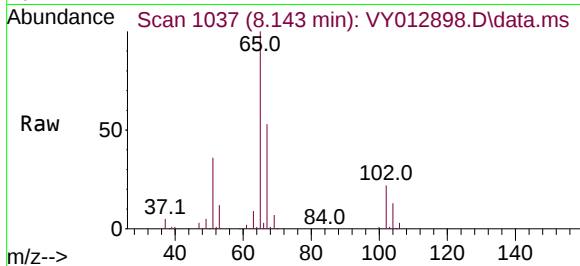




#33
 1,2-Dichloroethane-d4
 Concen: 57.196 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012898.D
 Acq: 09 Mar 2023 14:53

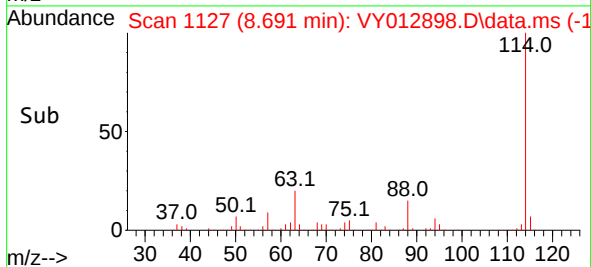
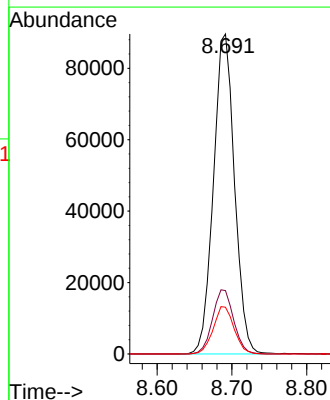
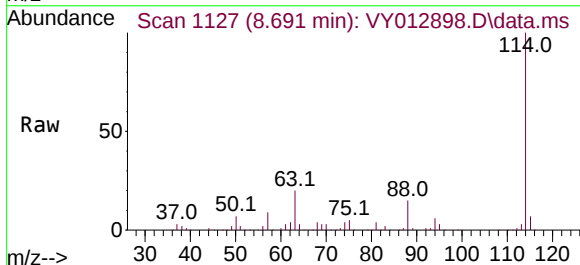
Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-23-3.5-030723

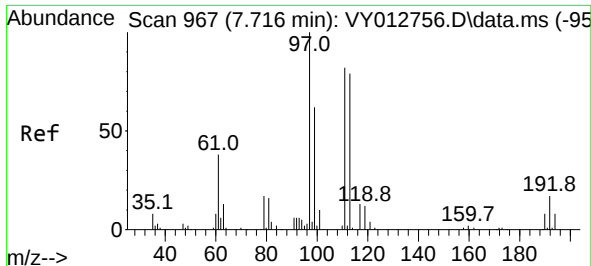
Tgt Ion: 65 Resp: 61061
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012898.D
 Acq: 09 Mar 2023 14:53

Tgt Ion: 114 Resp: 175652
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.4
 88 14.6 0.0 28.6

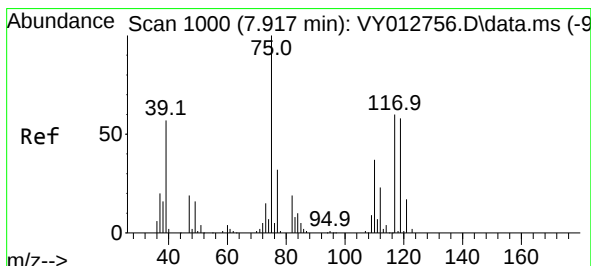
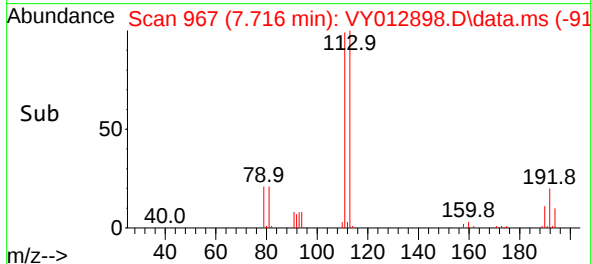
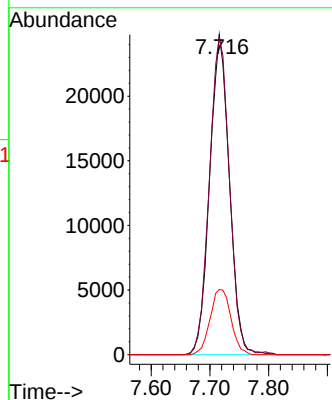
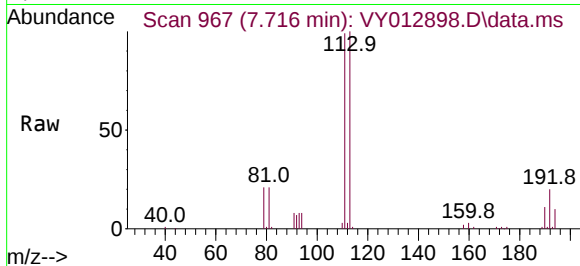




#35
Dibromofluoromethane
Concen: 54.364 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY012898.D
Acq: 09 Mar 2023 14:53

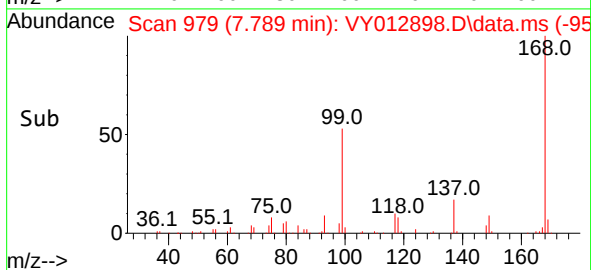
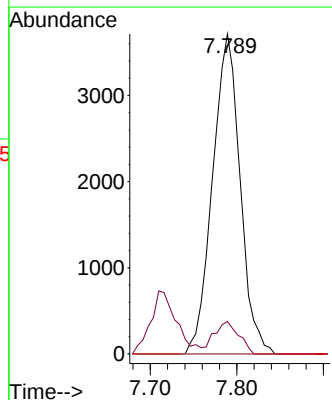
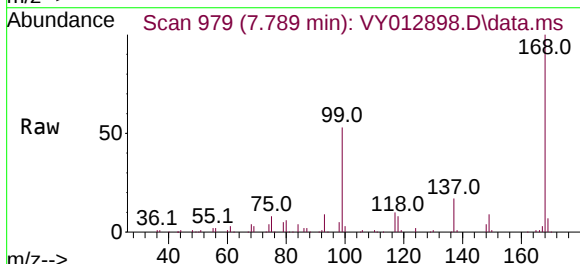
Instrument :
MSVOA_Y
ClientSampleId :
CB-23-3.5-030723

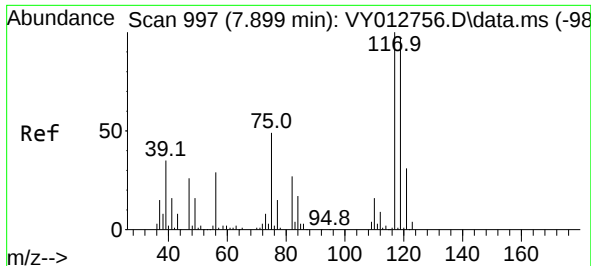
Tgt Ion:113 Resp: 57629
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.2
192 21.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.613 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012898.D
Acq: 09 Mar 2023 14:53

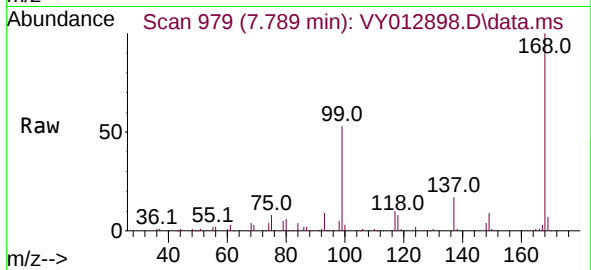
Tgt Ion: 75 Resp: 8195
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 25.0 37.4#



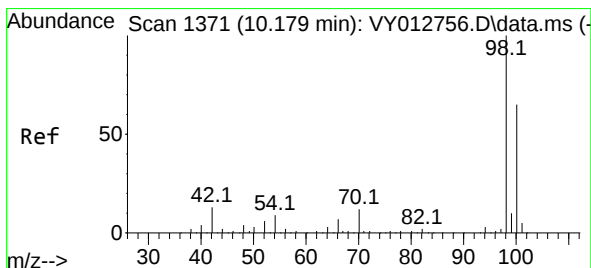
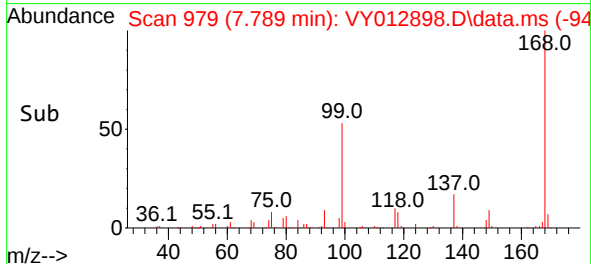
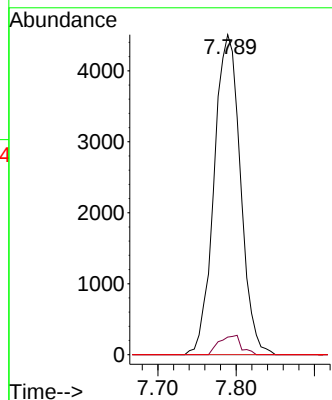


#38
Carbon Tetrachloride
Concen: 5.749 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012898.D
Acq: 09 Mar 2023 14:53

Instrument :
MSVOA_Y
ClientSampleId :
CB-23-3.5-030723

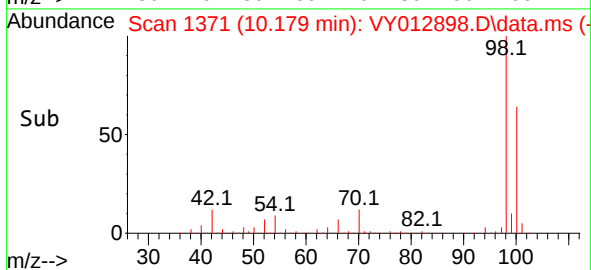
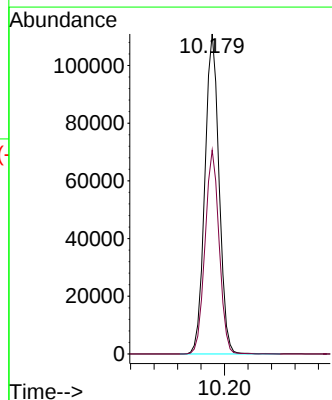
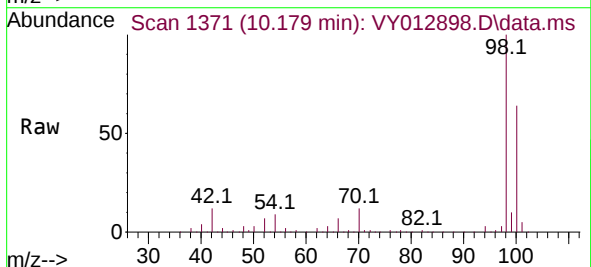


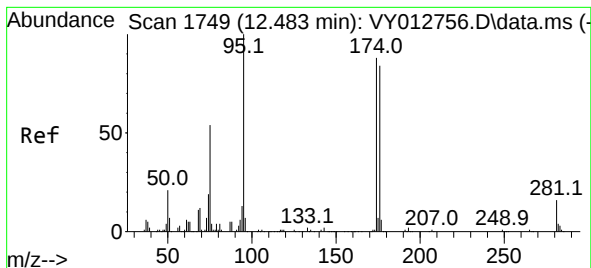
Tgt Ion:117 Resp: 10547
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.043 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012898.D
Acq: 09 Mar 2023 14:53

Tgt Ion: 98 Resp: 186183
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3

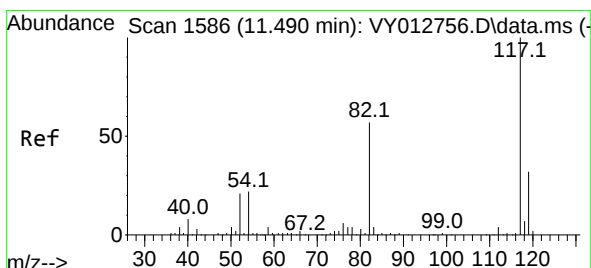
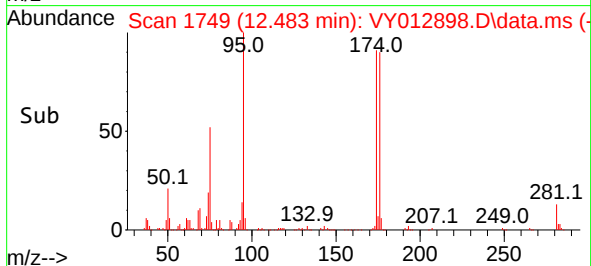
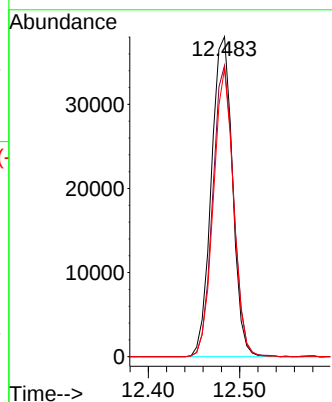
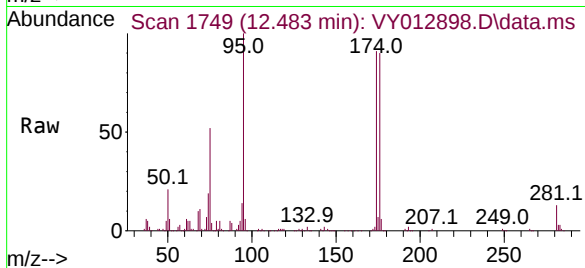




#62
4-Bromofluorobenzene
Concen: 46.565 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012898.D
Acq: 09 Mar 2023 14:53

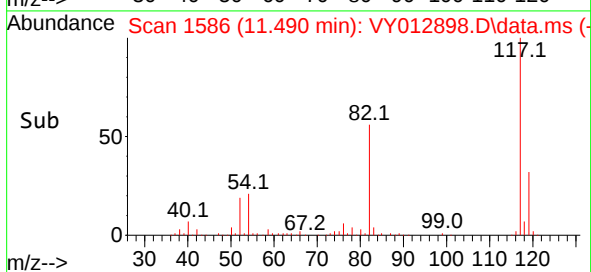
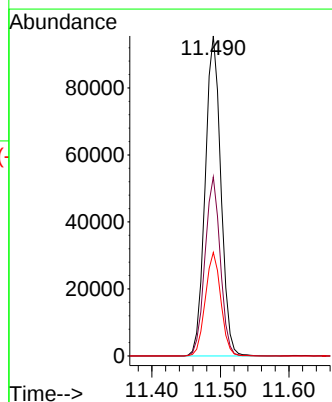
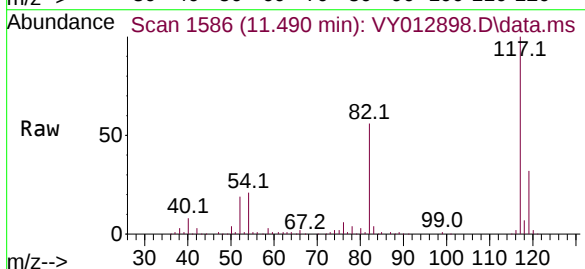
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ClientSampleId :
CB-23-3.5-030723

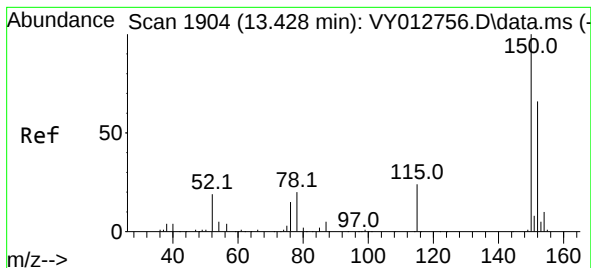
Tgt Ion: 95 Resp: 60908
Ion Ratio Lower Upper
95 100
174 89.8 0.0 176.6
176 86.2 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012898.D
Acq: 09 Mar 2023 14:53

Tgt Ion: 117 Resp: 152280
Ion Ratio Lower Upper
117 100
82 56.0 45.4 68.0
119 32.4 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: VY012898.D

Acq: 09 Mar 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :

CB-23-3.5-030723

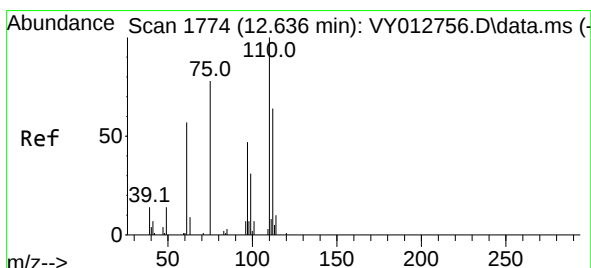
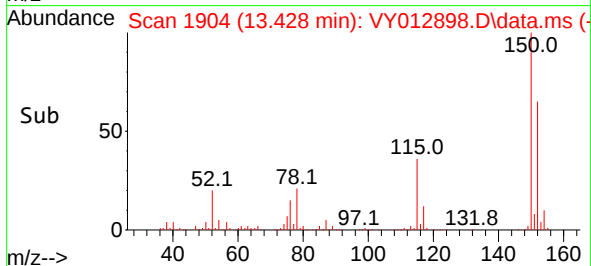
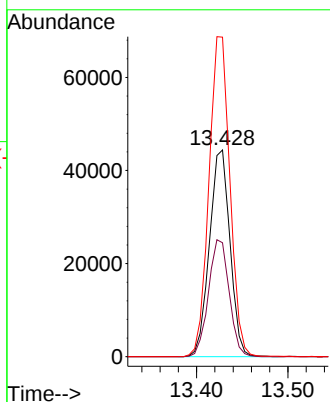
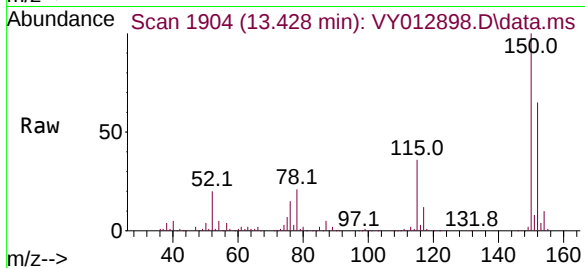
Tgt Ion:152 Resp: 69354

Ion Ratio Lower Upper

152 100

115 56.8 27.1 81.3

150 157.6 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 38.928 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY012898.D

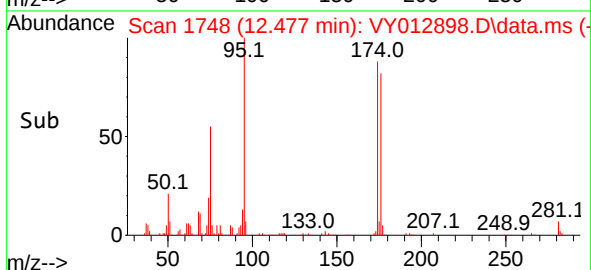
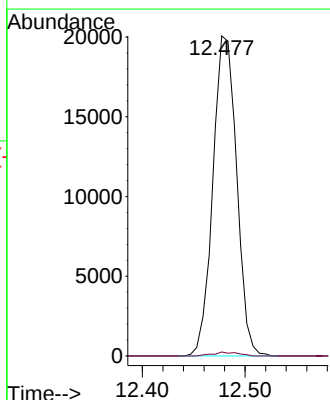
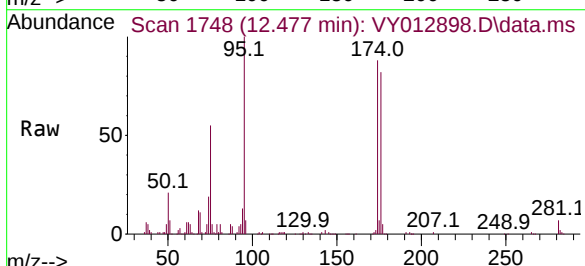
Acq: 09 Mar 2023 14:53

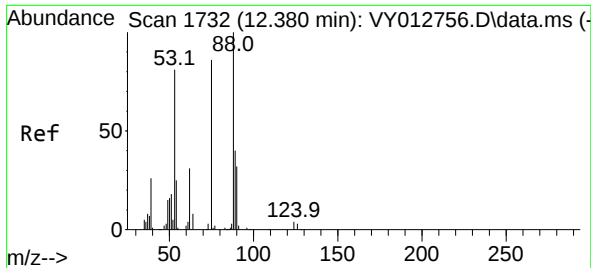
Tgt Ion: 75 Resp: 32240

Ion Ratio Lower Upper

75 100

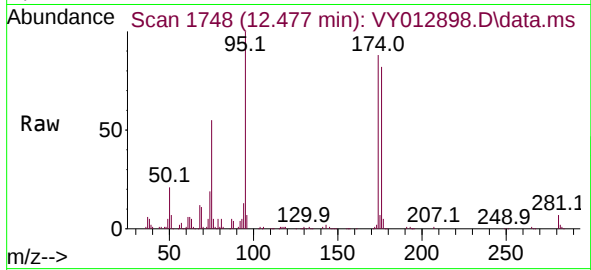
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.660 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY012898.D
 Acq: 09 Mar 2023 14:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-23-3.5-030723



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

