

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012896.D
 Acq On : 09 Mar 2023 14:06
 Operator : KP/MD
 Sample : 01834-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9

Quant Time: Mar 10 00:30:24 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)

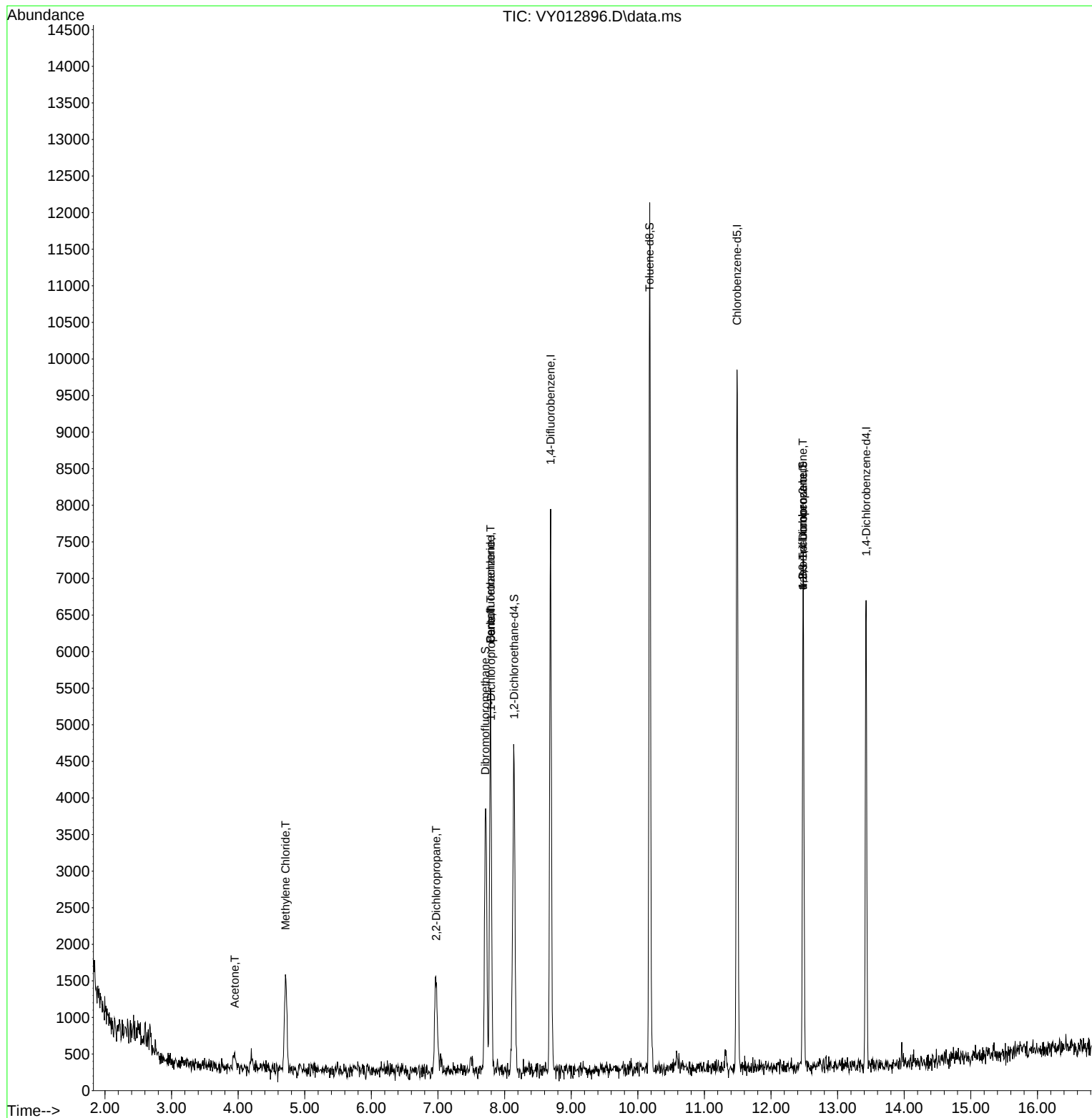
Internal Standards						
1) Pentafluorobenzene	7.789	168	4339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	6617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	5980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	3253	75.510	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.020%	
35) Dibromofluoromethane	7.710	113	2844	71.218	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 142.440%	
50) Toluene-d8	10.179	98	7531	51.586	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.180%	
62) 4-Bromofluorobenzene	12.477	95	1961	39.797	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.600%	
Target Compounds						Qvalue
16) Acetone	3.948	43	455	26.908	ug/l #	44
20) Methylene Chloride	4.710	84	974	15.129	ug/l #	66
26) 2,2-Dichloropropane	6.972	77	86	1.134	ug/l #	52
36) 1,1-Dichloropropene	7.795	75	354	5.290	ug/l #	41
38) Carbon Tetrachloride	7.789	117	415	6.005	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	1065	50.132	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	1065	103.874	ug/l #	13

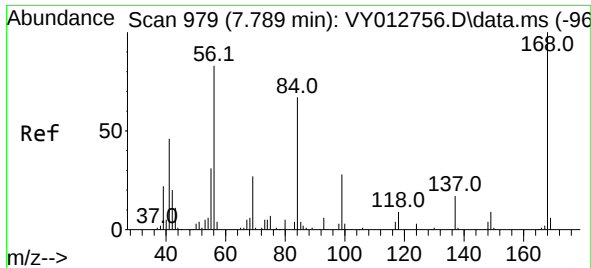
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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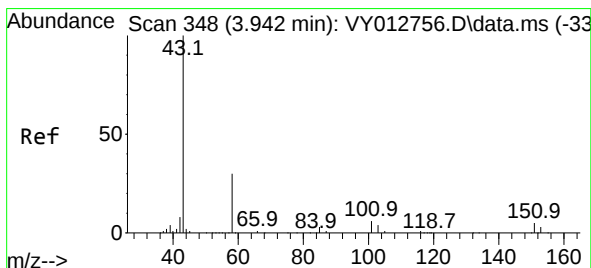
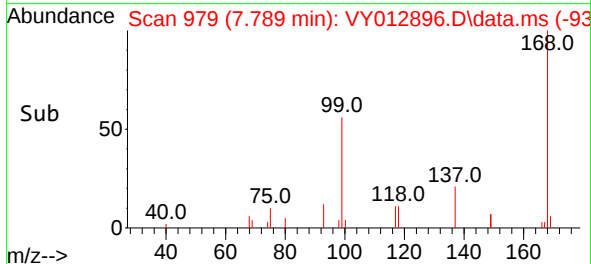
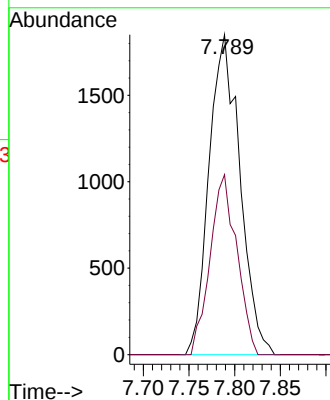
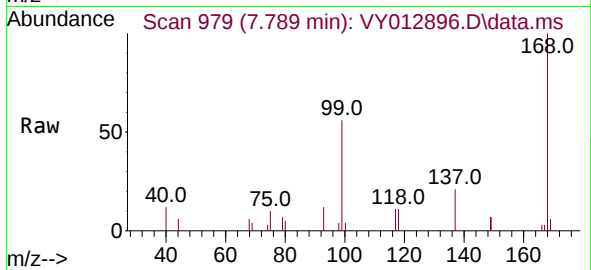




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012896.D
Acq: 09 Mar 2023 14:06

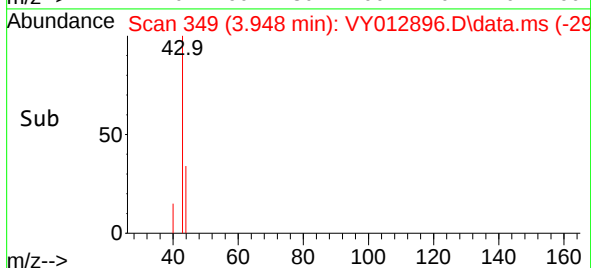
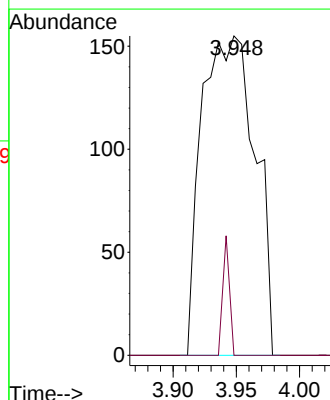
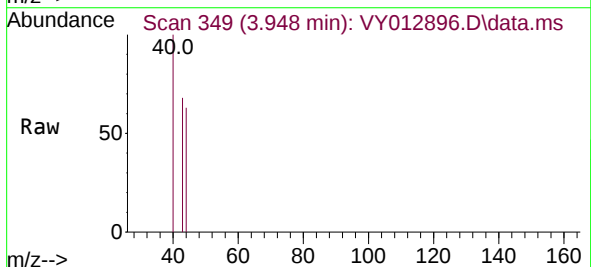
Instrument :
MSVOA_Y
ClientSampleId :
TP-9

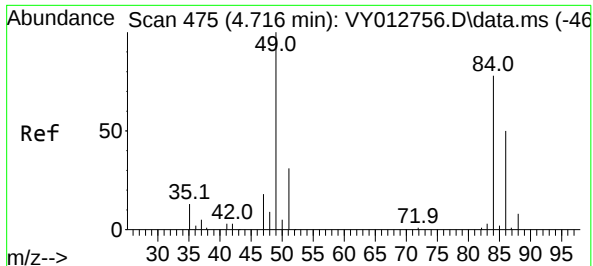
Tgt Ion:168 Resp: 4339
Ion Ratio Lower Upper
168 100
99 56.2 41.7 62.5



#16
Acetone
Concen: 26.908 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012896.D
Acq: 09 Mar 2023 14:06

Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#





#20

Methylene Chloride

Concen: 15.129 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY012896.D

Acq: 09 Mar 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :

TP-9

Tgt Ion: 84 Resp: 974

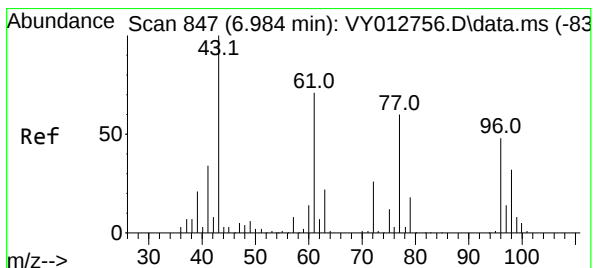
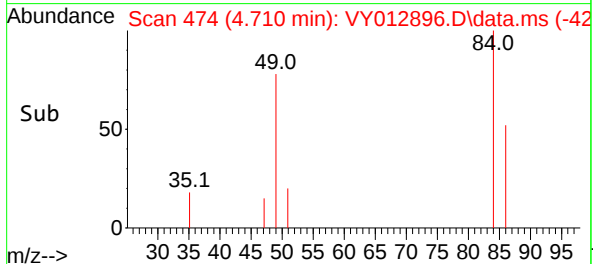
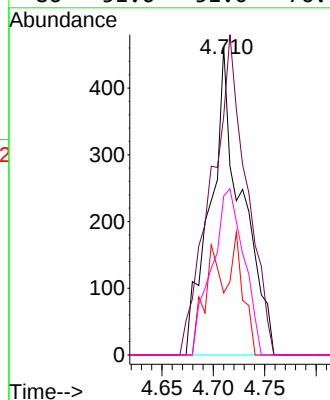
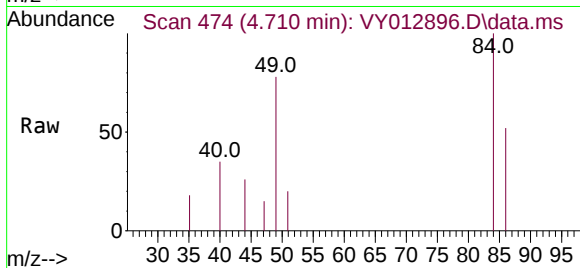
Ion Ratio Lower Upper

84 100

49 77.7 102.6 154.0#

51 20.2 31.9 47.9#

86 51.6 51.0 76.6



#26

2,2-Dichloropropane

Concen: 1.134 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY012896.D

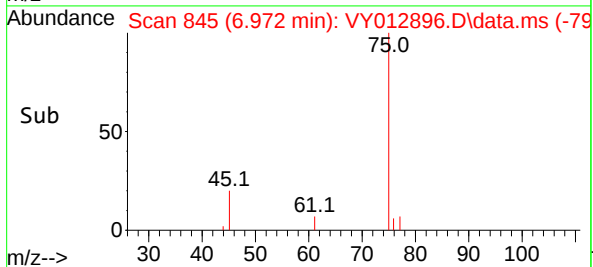
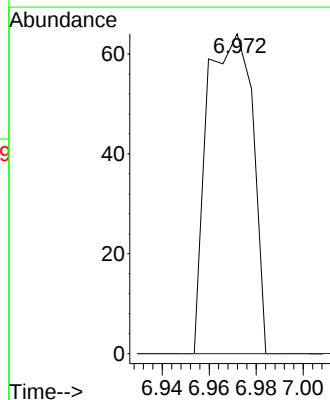
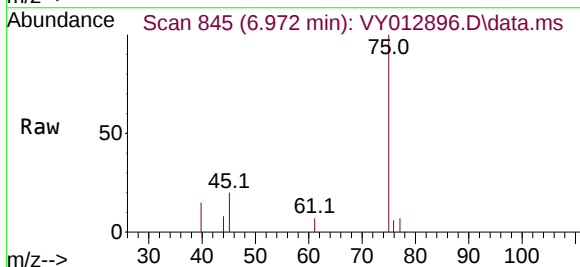
Acq: 09 Mar 2023 14:06

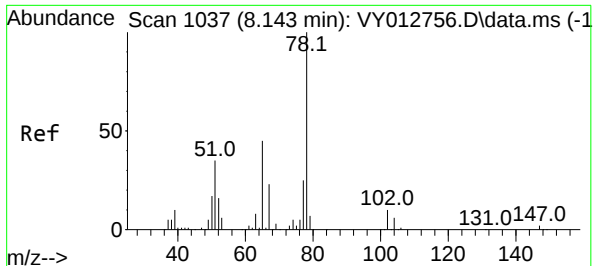
Tgt Ion: 77 Resp: 86

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#





#33

1,2-Dichloroethane-d4

Concen: 75.510 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY012896.D

Acq: 09 Mar 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :

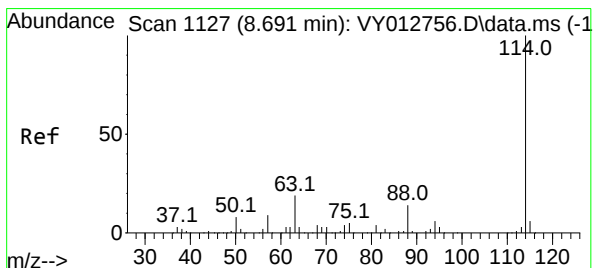
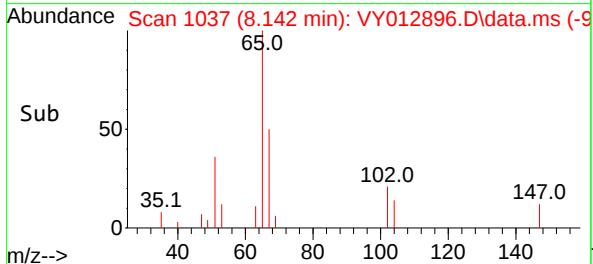
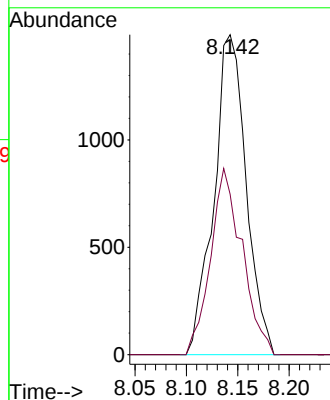
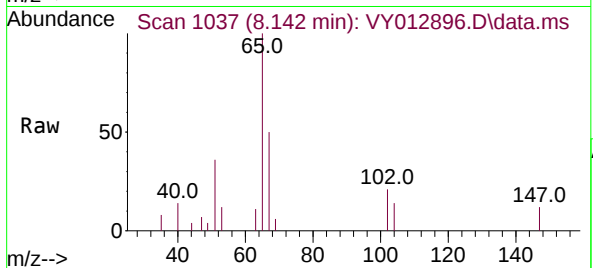
TP-9

Tgt Ion: 65 Resp: 3253

Ion Ratio Lower Upper

65 100

67 56.7 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: VY012896.D

Acq: 09 Mar 2023 14:06

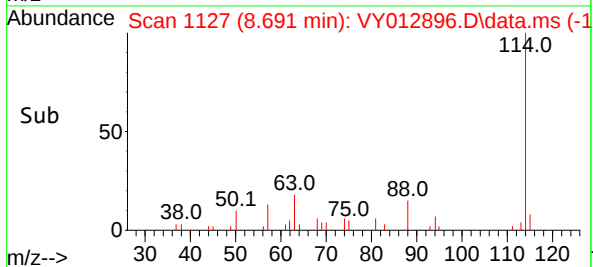
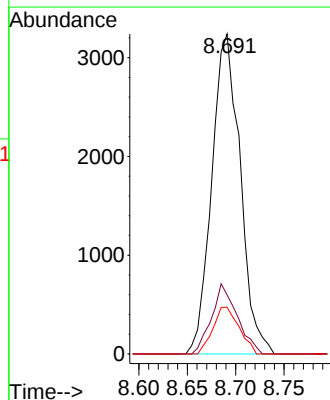
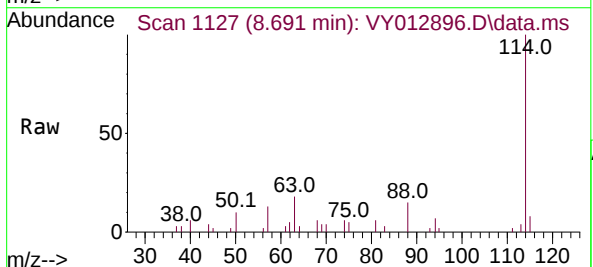
Tgt Ion: 114 Resp: 6617

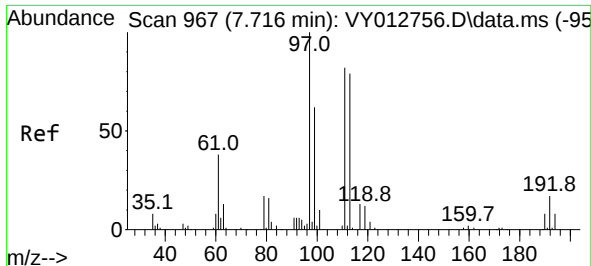
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.4

88 14.6 0.0 28.6





#35

Dibromofluoromethane

Concen: 71.218 ug/l

RT: 7.710 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY012896.D

Acq: 09 Mar 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :

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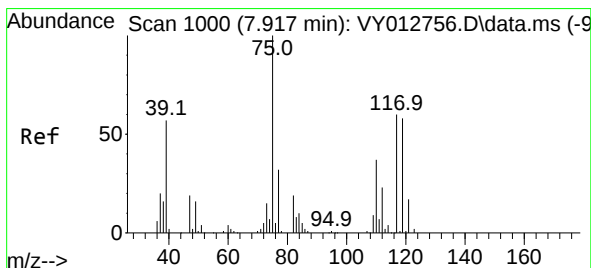
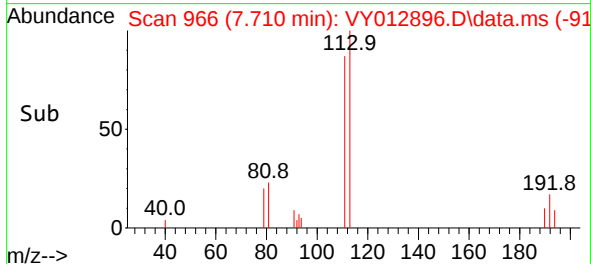
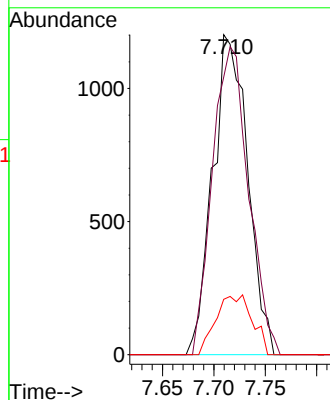
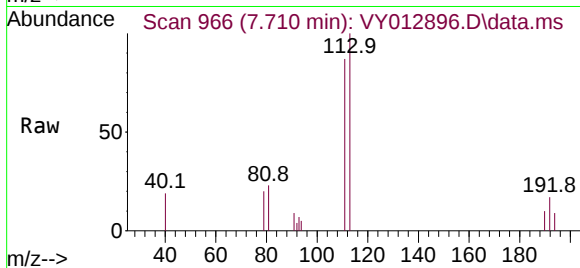
Tgt Ion:113 Resp: 2844

Ion Ratio Lower Upper

113 100

111 99.7 82.2 123.2

192 19.3 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.290 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.122 min

Lab File: VY012896.D

Acq: 09 Mar 2023 14:06

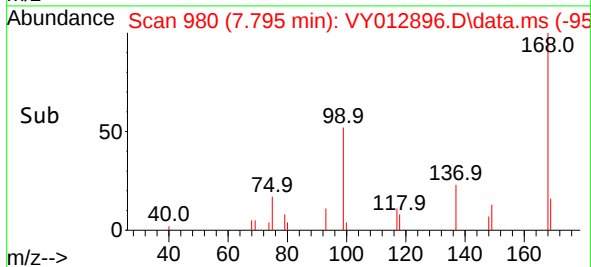
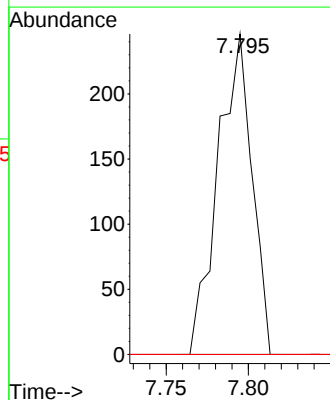
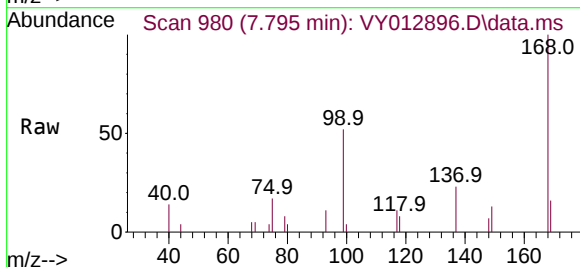
Tgt Ion: 75 Resp: 354

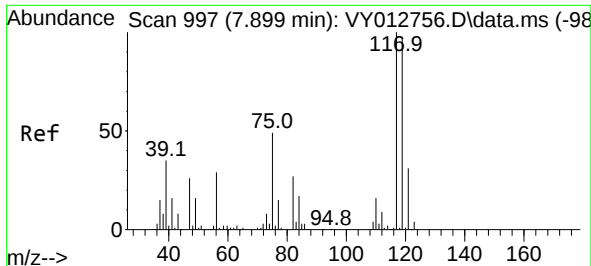
Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.3#

77 0.0 25.0 37.4#

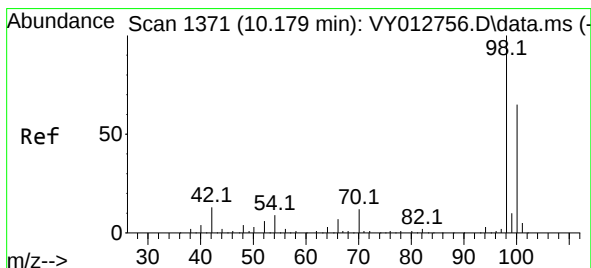
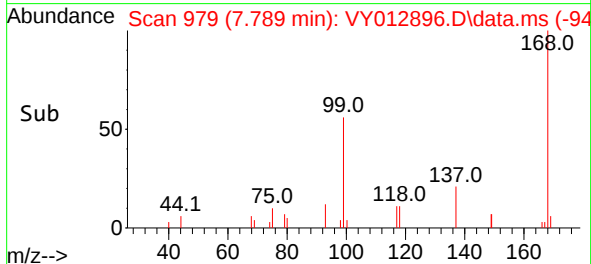
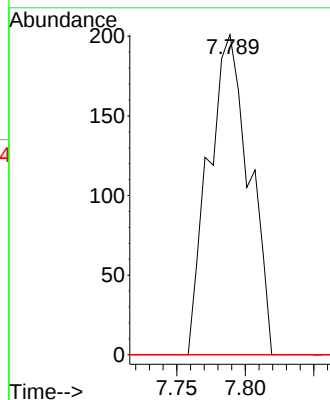
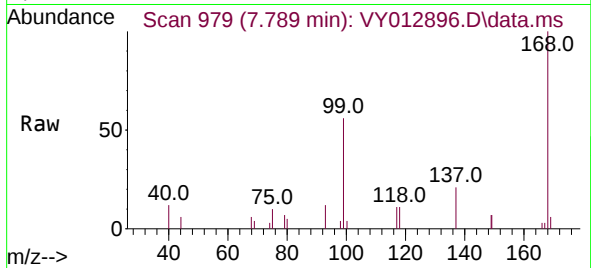




#38
Carbon Tetrachloride
Concen: 6.005 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012896.D
Acq: 09 Mar 2023 14:06

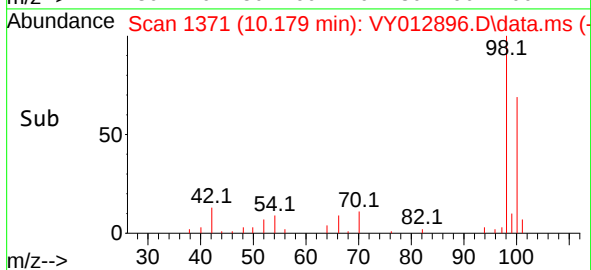
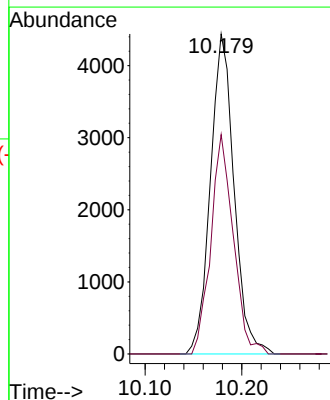
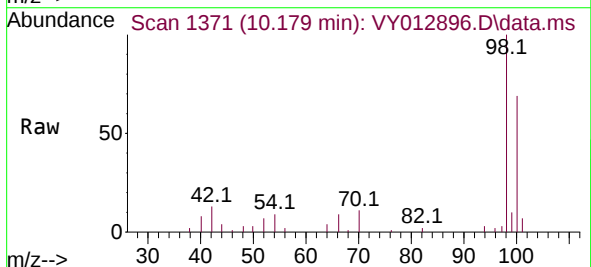
Instrument :
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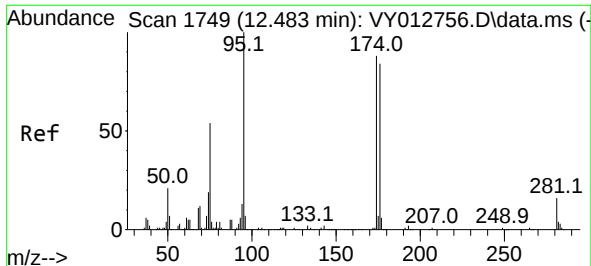
Tgt Ion:117 Resp: 415
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.586 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012896.D
Acq: 09 Mar 2023 14:06

Tgt Ion: 98 Resp: 7531
Ion Ratio Lower Upper
98 100
100 65.4 50.9 76.3

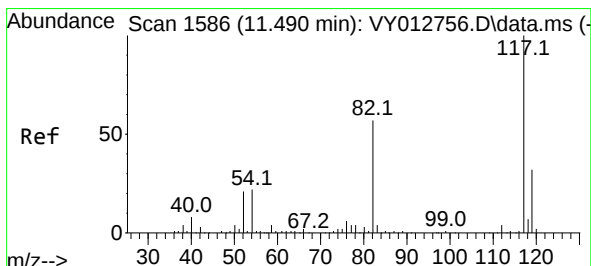
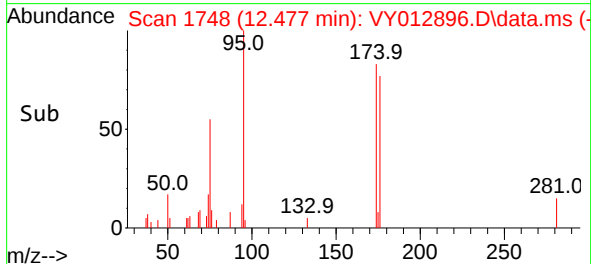
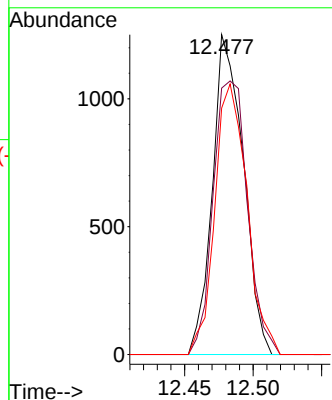
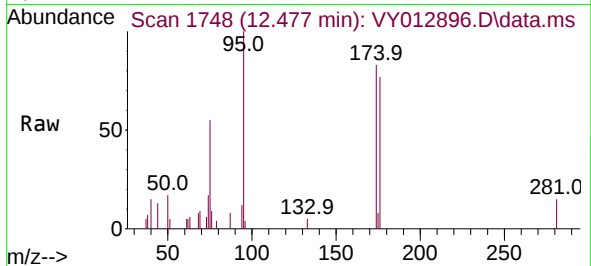




#62
4-Bromofluorobenzene
Concen: 39.797 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012896.D
Acq: 09 Mar 2023 14:06

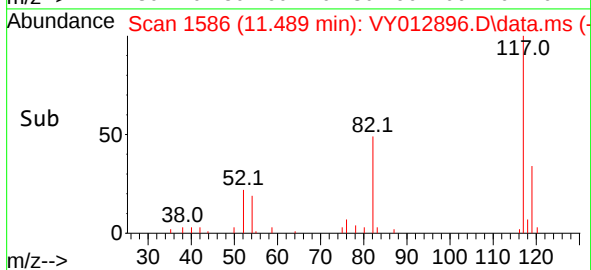
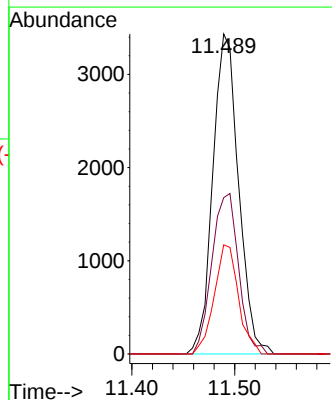
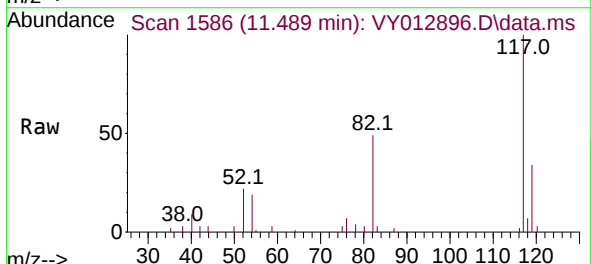
Instrument :
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ClientSampleId :
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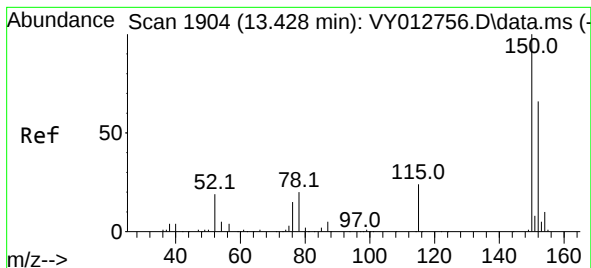
Tgt Ion: 95 Resp: 1961
Ion Ratio Lower Upper
95 100
174 95.2 0.0 176.6
176 88.3 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012896.D
Acq: 09 Mar 2023 14:06

Tgt Ion: 117 Resp: 5980
Ion Ratio Lower Upper
117 100
82 48.8 45.4 68.0
119 34.1 25.6 38.4

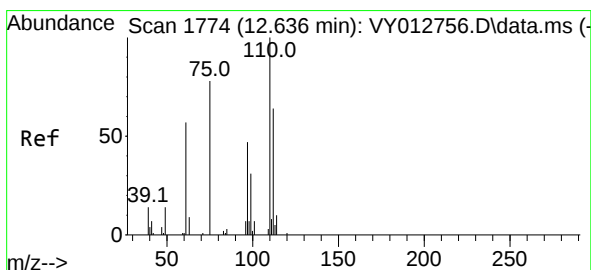
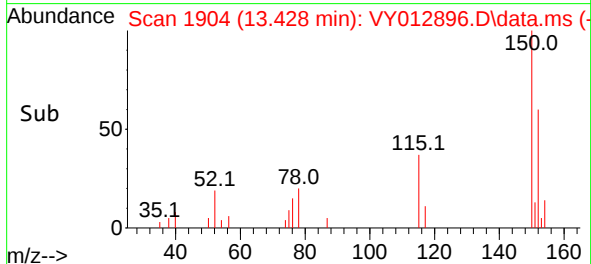
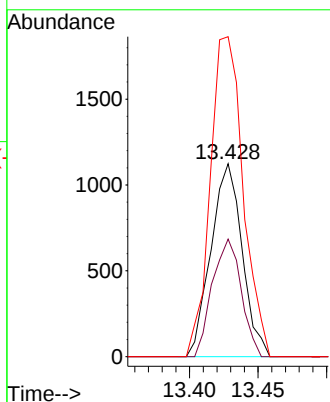
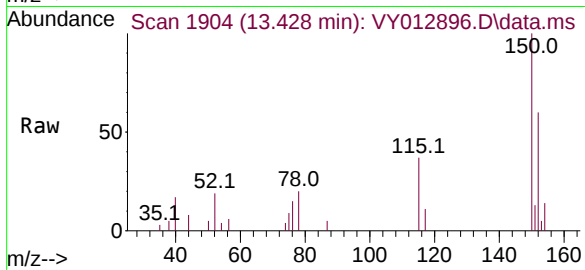




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY012896.D
 Acq: 09 Mar 2023 14:06

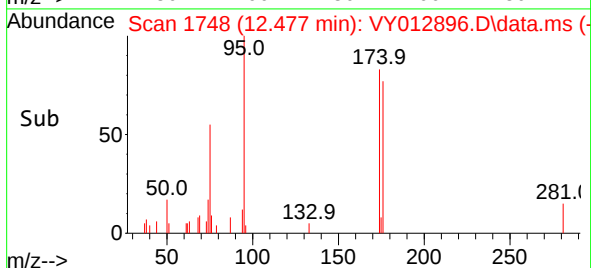
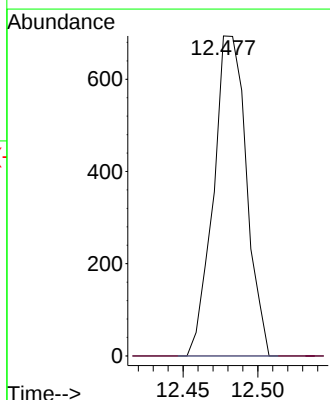
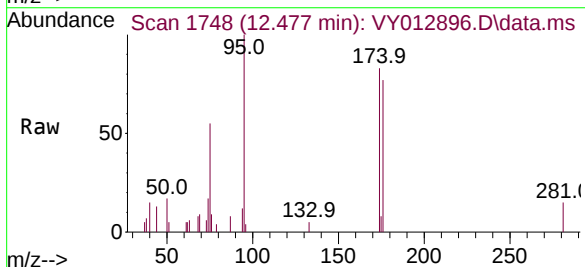
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9

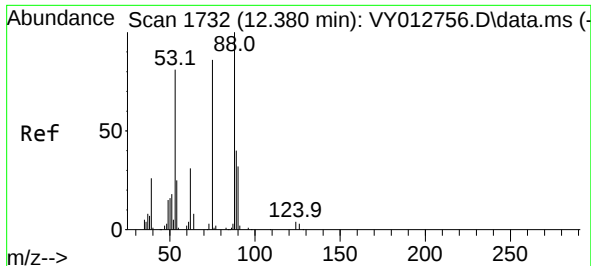
Tgt Ion:152 Resp: 1779
 Ion Ratio Lower Upper
 152 100
 115 56.2 27.1 81.3
 150 174.6 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 50.132 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY012896.D
 Acq: 09 Mar 2023 14:06

Tgt Ion: 75 Resp: 1065
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.874 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY012896.D
 Acq: 09 Mar 2023 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9

Tgt Ion: 75 Resp: 1065
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

