

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013743.D
 Acq On : 15 May 2023 18:00
 Operator : KP/MD
 Sample : 02760-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-2-051123

Quant Time: May 16 01:33:53 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)

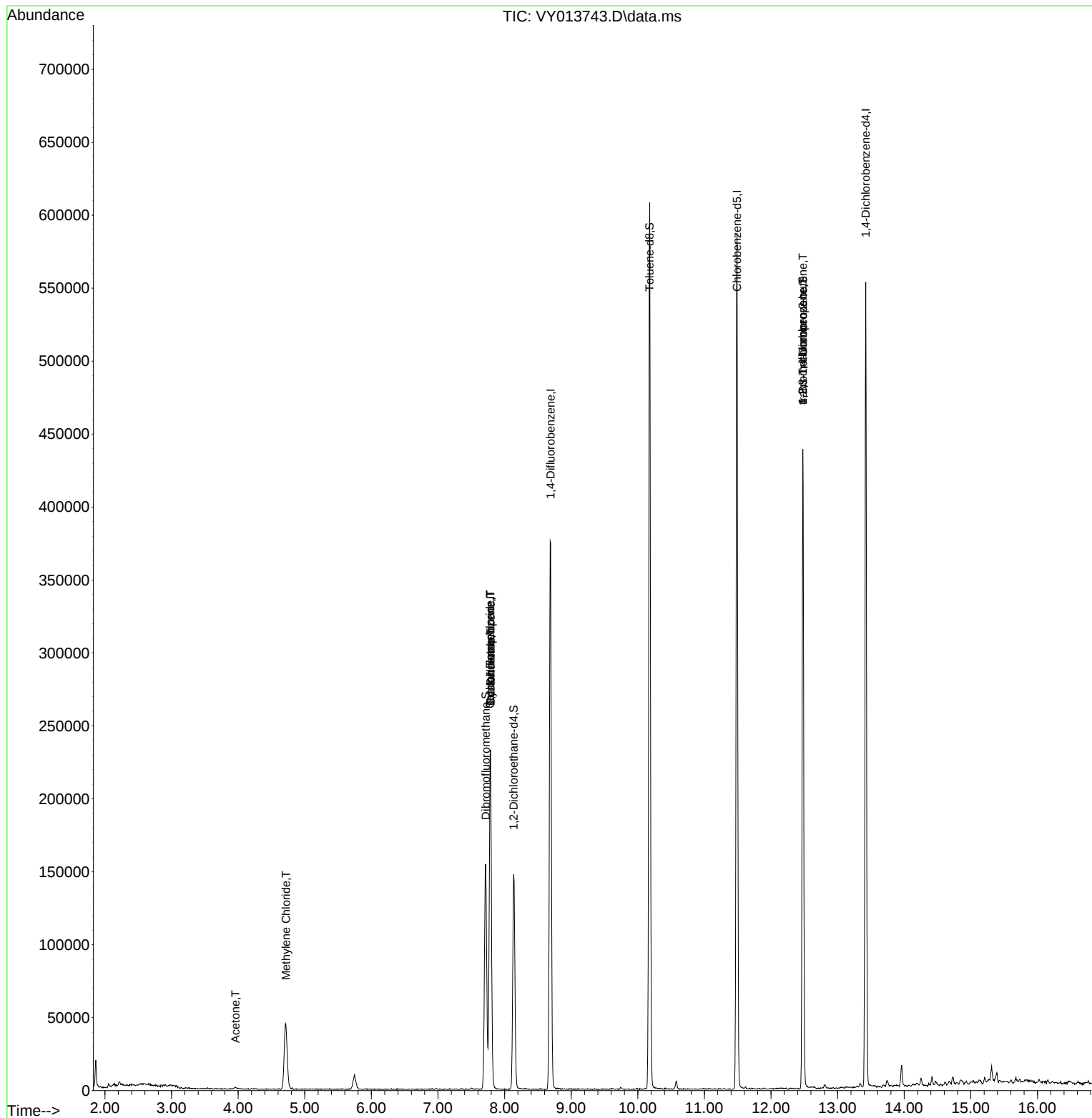
Internal Standards						
1) Pentafluorobenzene	7.789	168	177878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	314537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	304871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	118019	60.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.040%	
35) Dibromofluoromethane	7.716	113	107750	54.466	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.940%	
50) Toluene-d8	10.179	98	389893	55.401	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.800%	
62) 4-Bromofluorobenzene	12.477	95	125725	52.992	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.980%	
Target Compounds						
					Qvalue	
13) Acrolein	3.619	56	27	Below Cal	#	16
16) Acetone	3.960	43	1604	2.089	ug/l	95
20) Methylene Chloride	4.716	84	32983	6.706	ug/l	92
31) Cyclohexane	7.789	56	4361	1.249	ug/l #	35
36) 1,1-Dichloropropene	7.789	75	14574	4.439	ug/l #	50
38) Carbon Tetrachloride	7.783	117	17726	5.151	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	68928	37.194	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68928	76.083	ug/l #	13

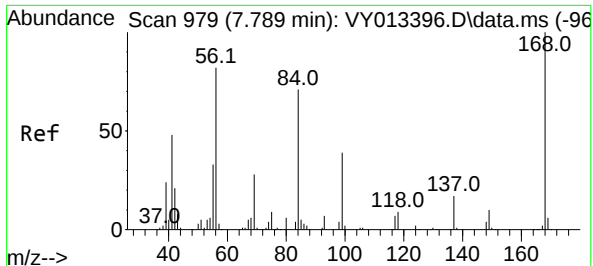
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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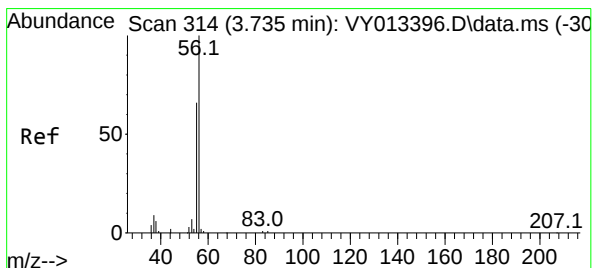
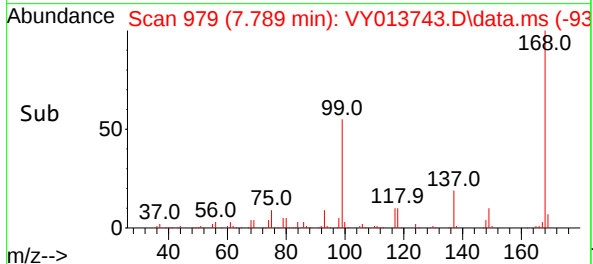
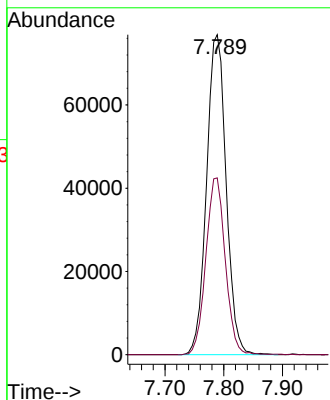
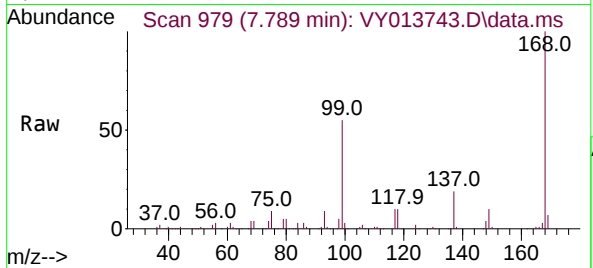




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

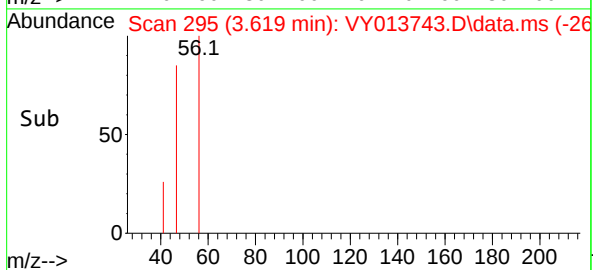
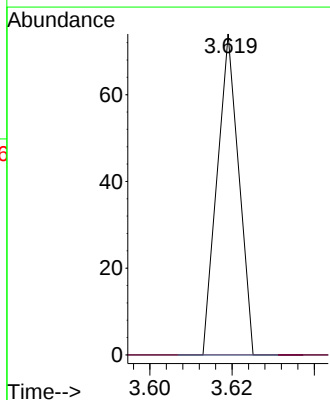
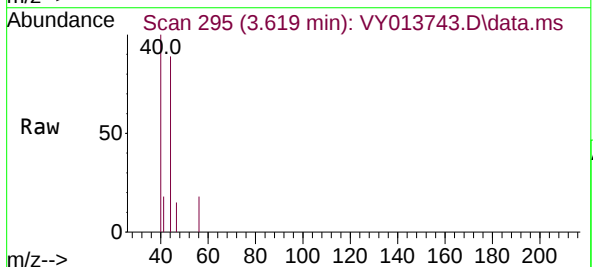
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-051123

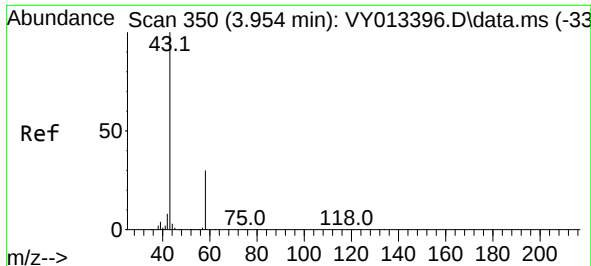
Tgt Ion:168 Resp: 177878
Ion Ratio Lower Upper
168 100
99 55.3 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.619 min Scan# 295
Delta R.T. -0.110 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#





#16

Acetone

Concen: 2.089 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY013743.D

Acq: 15 May 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

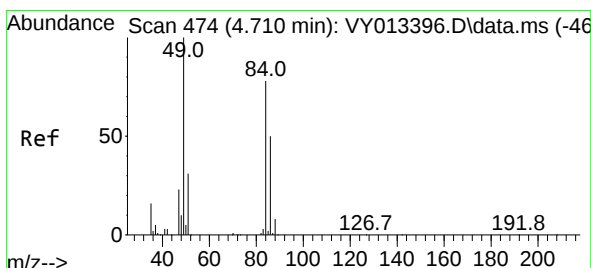
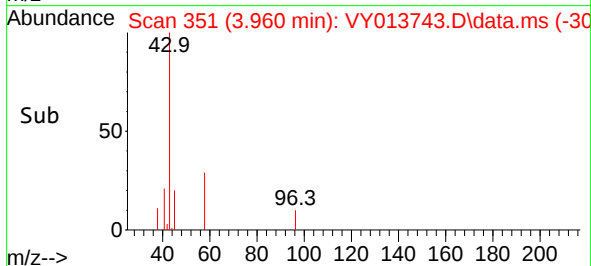
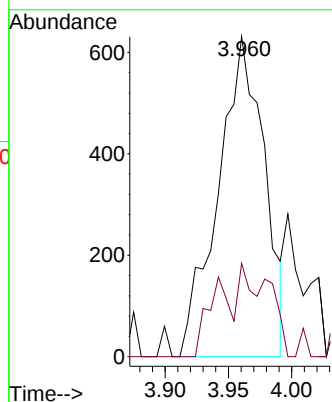
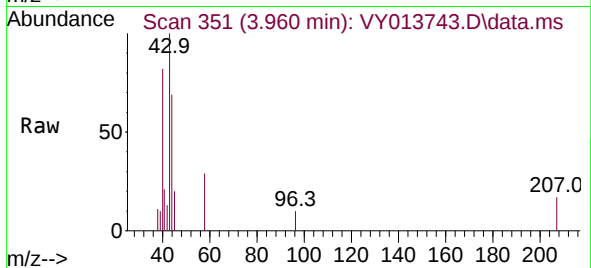
HR-2-051123

Tgt Ion: 43 Resp: 1604

Ion Ratio Lower Upper

43 100

58 29.2 25.4 38.0



#20

Methylene Chloride

Concen: 6.706 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013743.D

Acq: 15 May 2023 18:00

Tgt Ion: 84 Resp: 32983

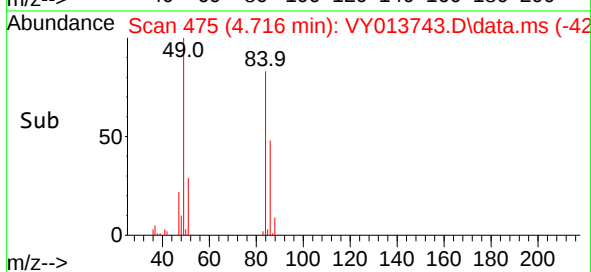
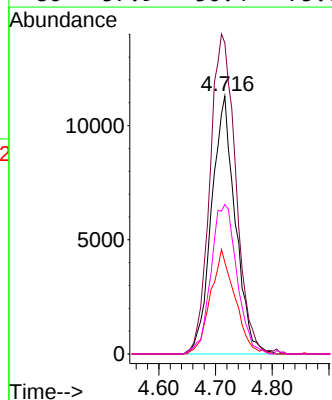
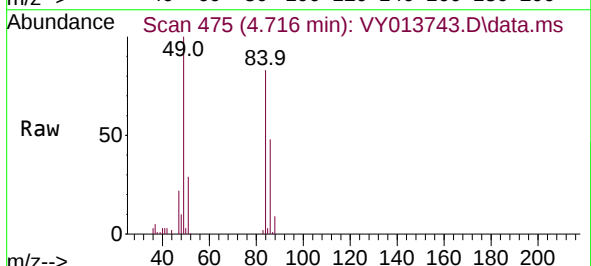
Ion Ratio Lower Upper

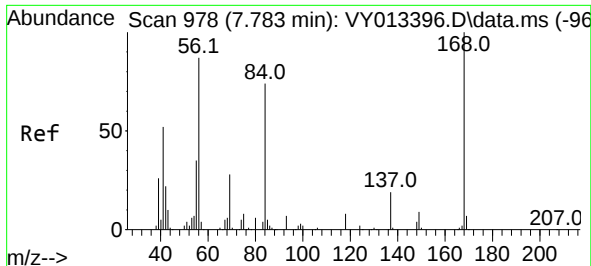
84 100

49 120.6 88.0 132.0

51 35.6 27.4 41.0

86 57.9 50.4 75.6

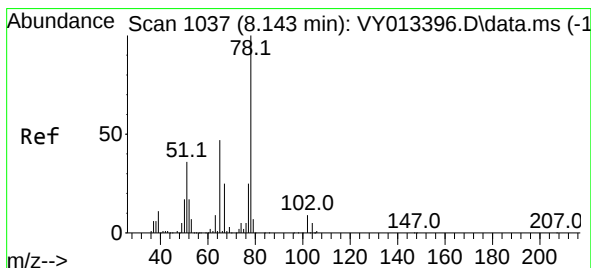
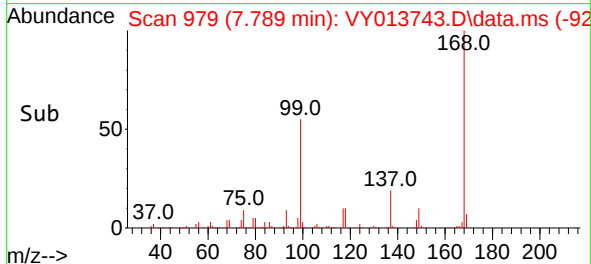
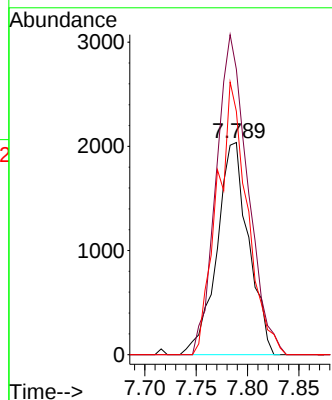
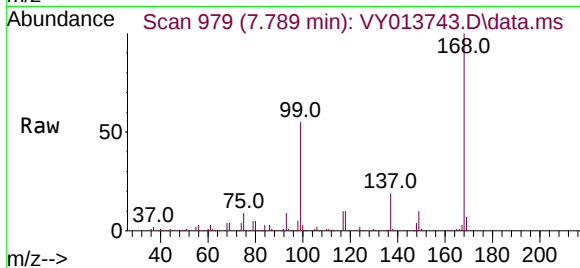




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

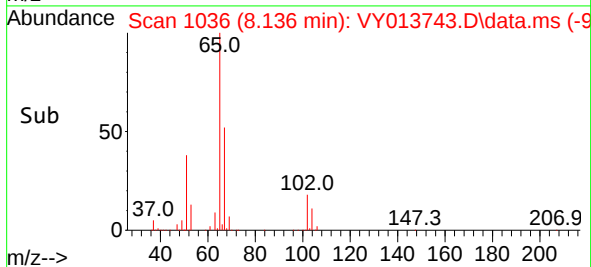
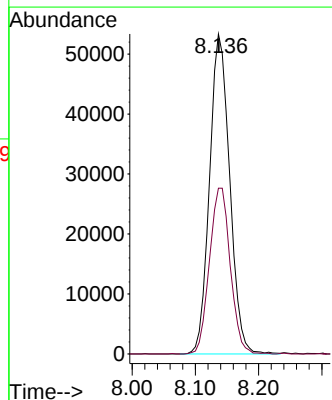
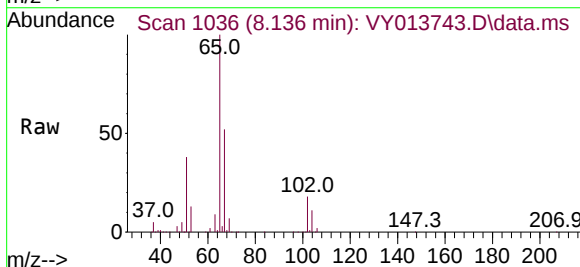
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-051123

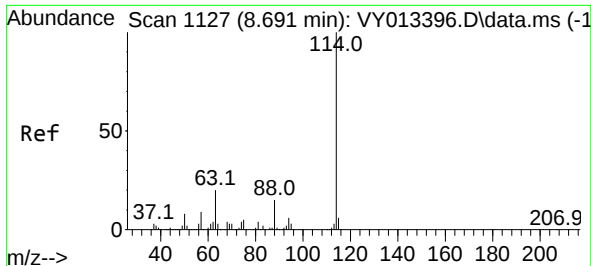
Tgt Ion: 56 Resp: 4361
Ion Ratio Lower Upper
56 100
69 134.6 29.2 43.8#
84 114.7 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 60.525 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

Tgt Ion: 65 Resp: 118019
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.4

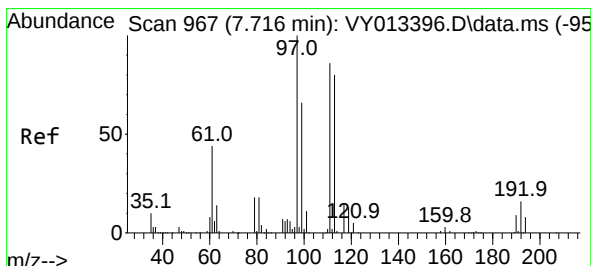
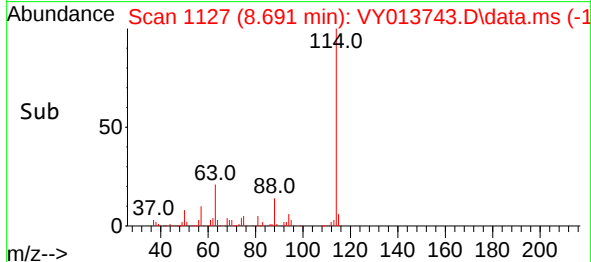
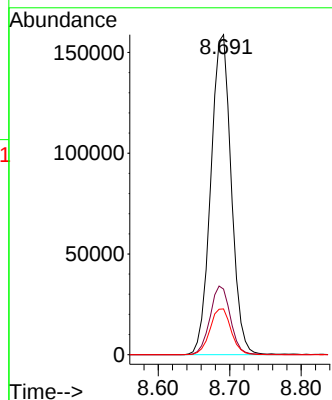
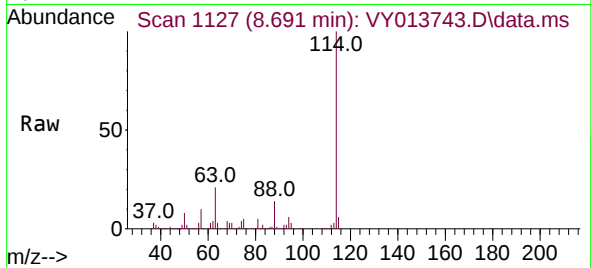




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

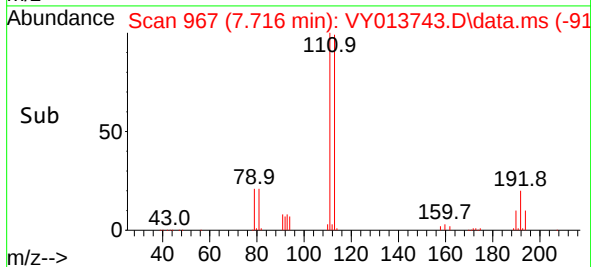
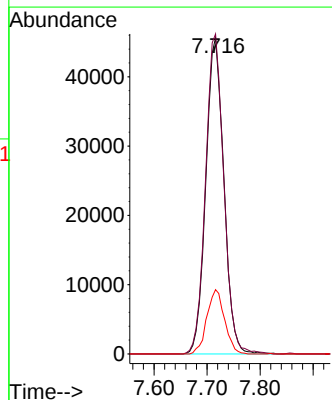
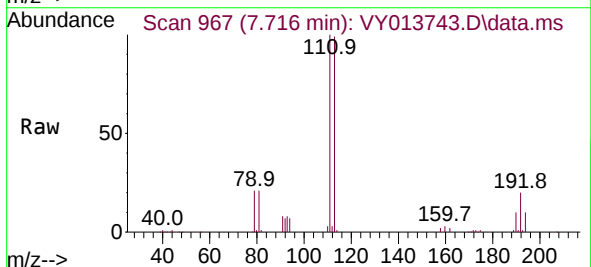
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-051123

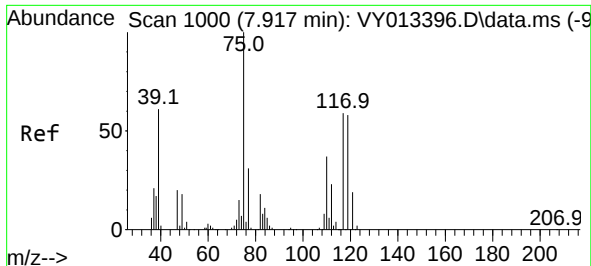
Tgt Ion:	114	Resp:	314537
Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	36.6
88	14.3	0.0	28.8



#35
Dibromofluoromethane
Concen: 54.466 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

Tgt Ion:	113	Resp:	107750
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.2
192	20.0	16.7	25.1





#36

1,1-Dichloropropene

Concen: 4.439 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013743.D

Acq: 15 May 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

HR-2-051123

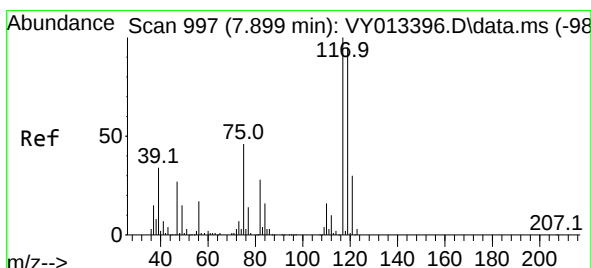
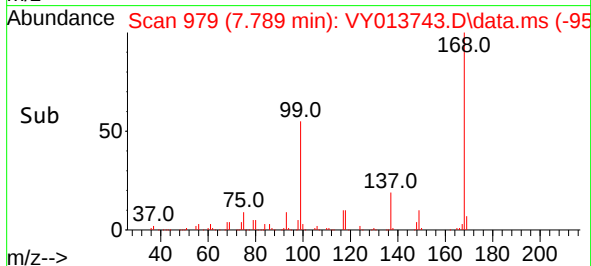
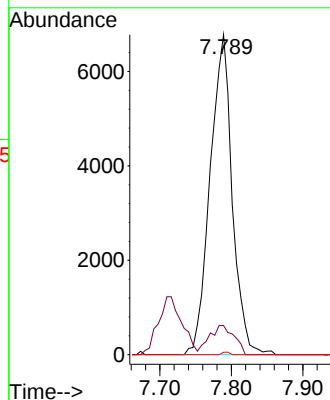
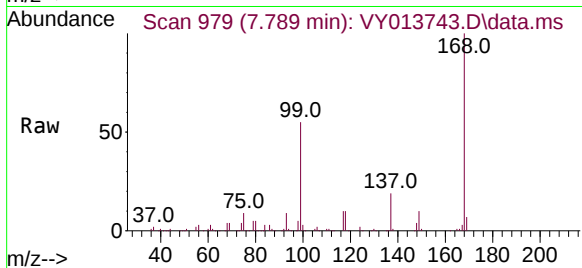
Tgt Ion: 75 Resp: 14574

Ion Ratio Lower Upper

75 100

110 10.2 18.7 56.1#

77 0.3 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.151 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013743.D

Acq: 15 May 2023 18:00

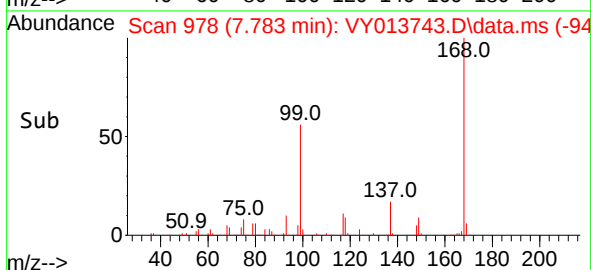
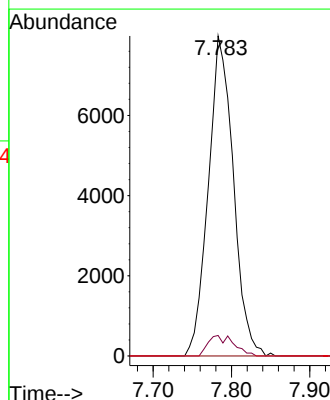
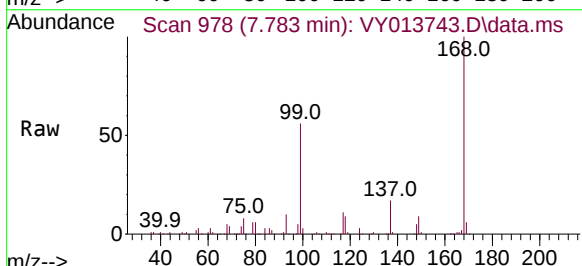
Tgt Ion: 117 Resp: 17726

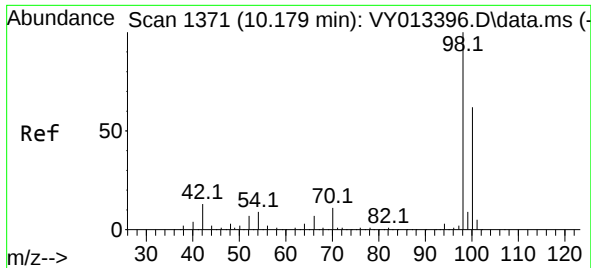
Ion Ratio Lower Upper

117 100

119 6.4 79.0 118.6#

121 0.0 26.6 40.0#

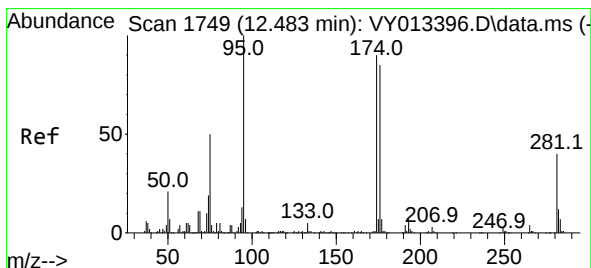
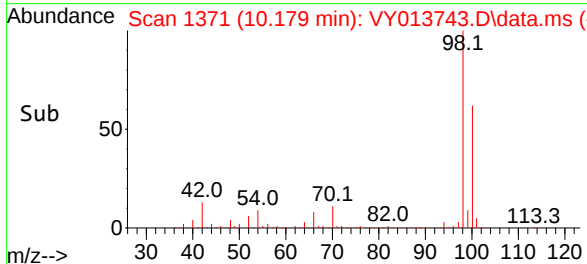
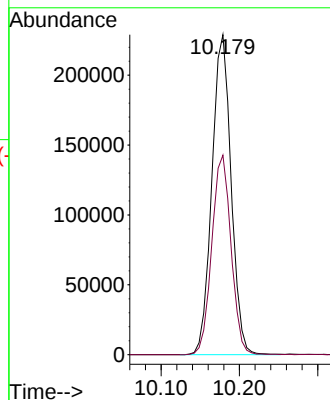
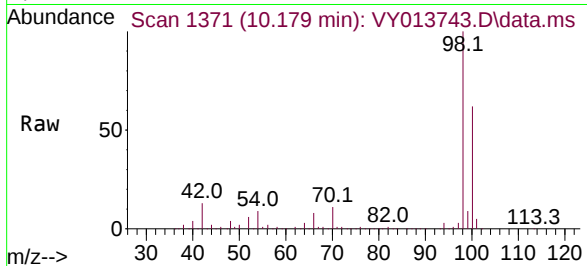




#50
Toluene-d8
Concen: 55.401 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

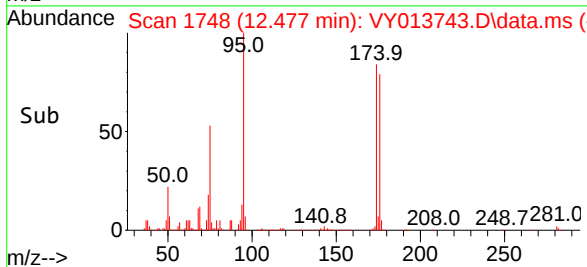
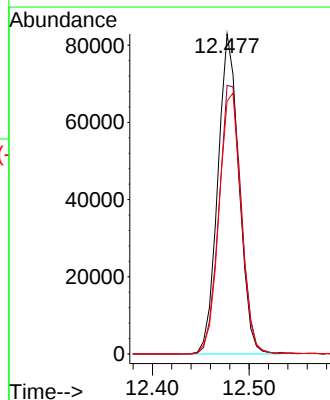
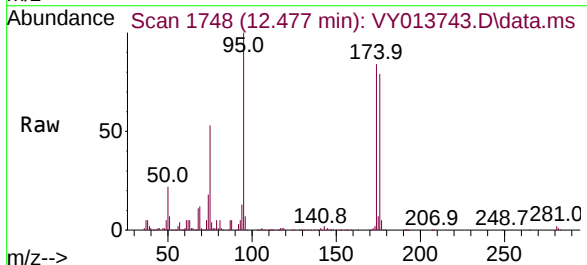
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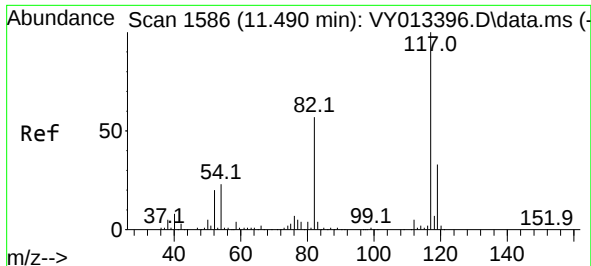
Tgt Ion: 98 Resp: 389893
Ion Ratio Lower Upper
98 100
100 62.4 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 52.992 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

Tgt Ion: 95 Resp: 125725
Ion Ratio Lower Upper
95 100
174 89.2 0.0 182.0
176 85.6 0.0 175.4

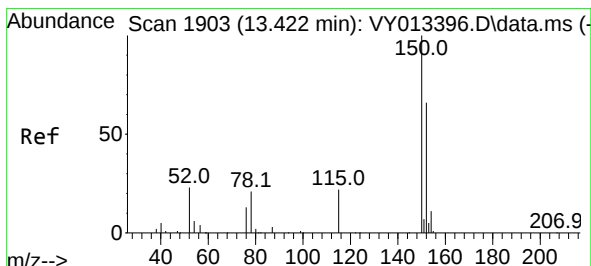
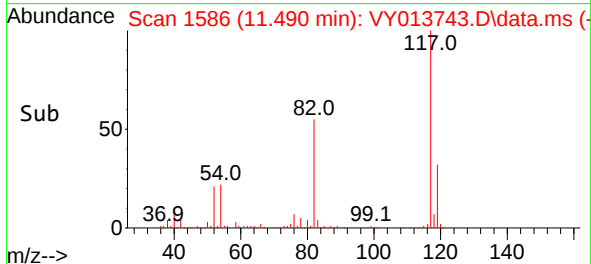
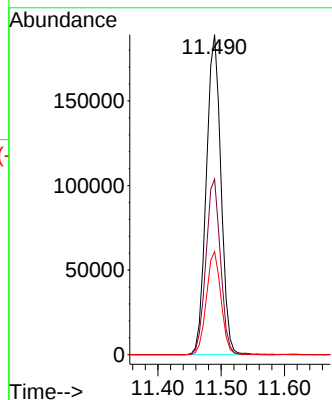
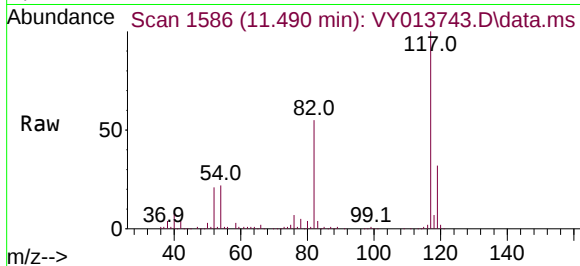




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

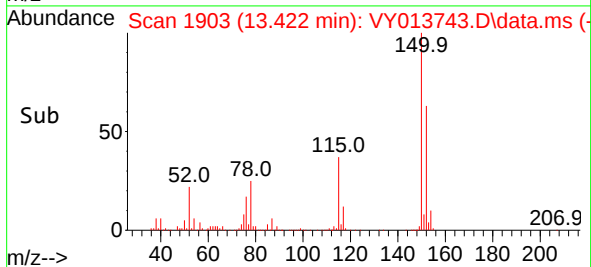
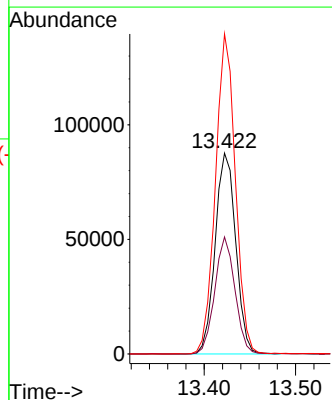
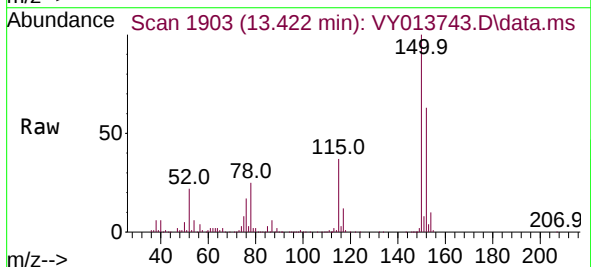
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-051123

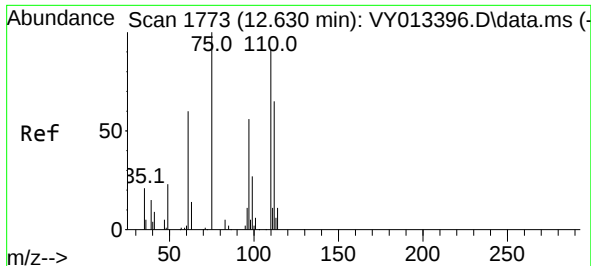
Tgt Ion:117 Resp: 304871
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.6
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

Tgt Ion:152 Resp: 137414
Ion Ratio Lower Upper
152 100
115 57.0 28.1 84.2
150 154.0 0.0 352.0

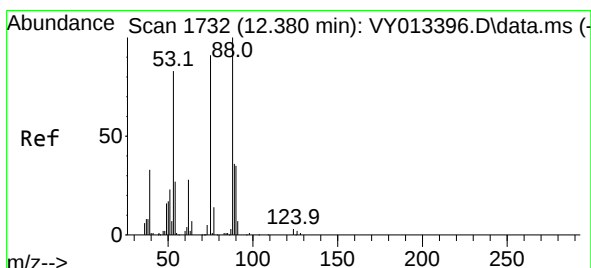
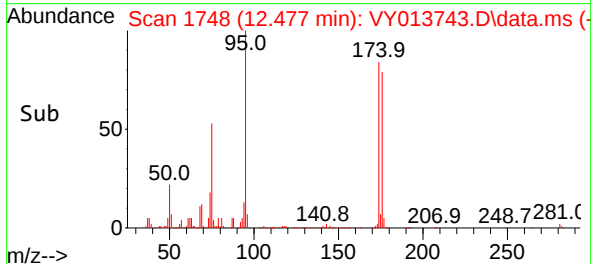
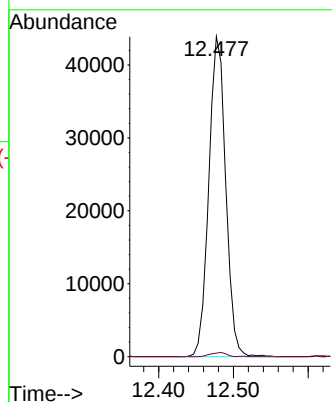
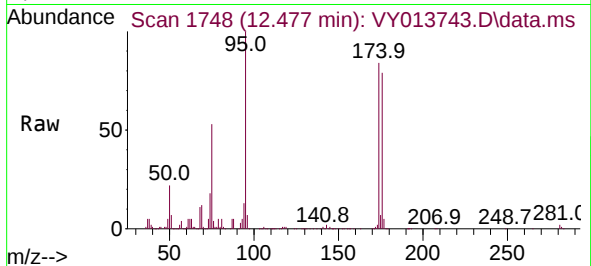




#76
1,2,3-Trichloropropane
Concen: 37.194 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

Instrument :
MSVOA_Y
ClientSampleId :
HR-2-051123

Tgt Ion: 75 Resp: 68928
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.083 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013743.D
Acq: 15 May 2023 18:00

Tgt Ion: 75 Resp: 68928
Ion Ratio Lower Upper
75 100
53 0.1 73.2 109.8#
89 0.1 38.0 57.0#

