

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
 Data File : VY013185.D
 Acq On : 03 Apr 2023 18:52
 Operator : KP/MD
 Sample : 02166-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-033123

Quant Time: Apr 03 23:12:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

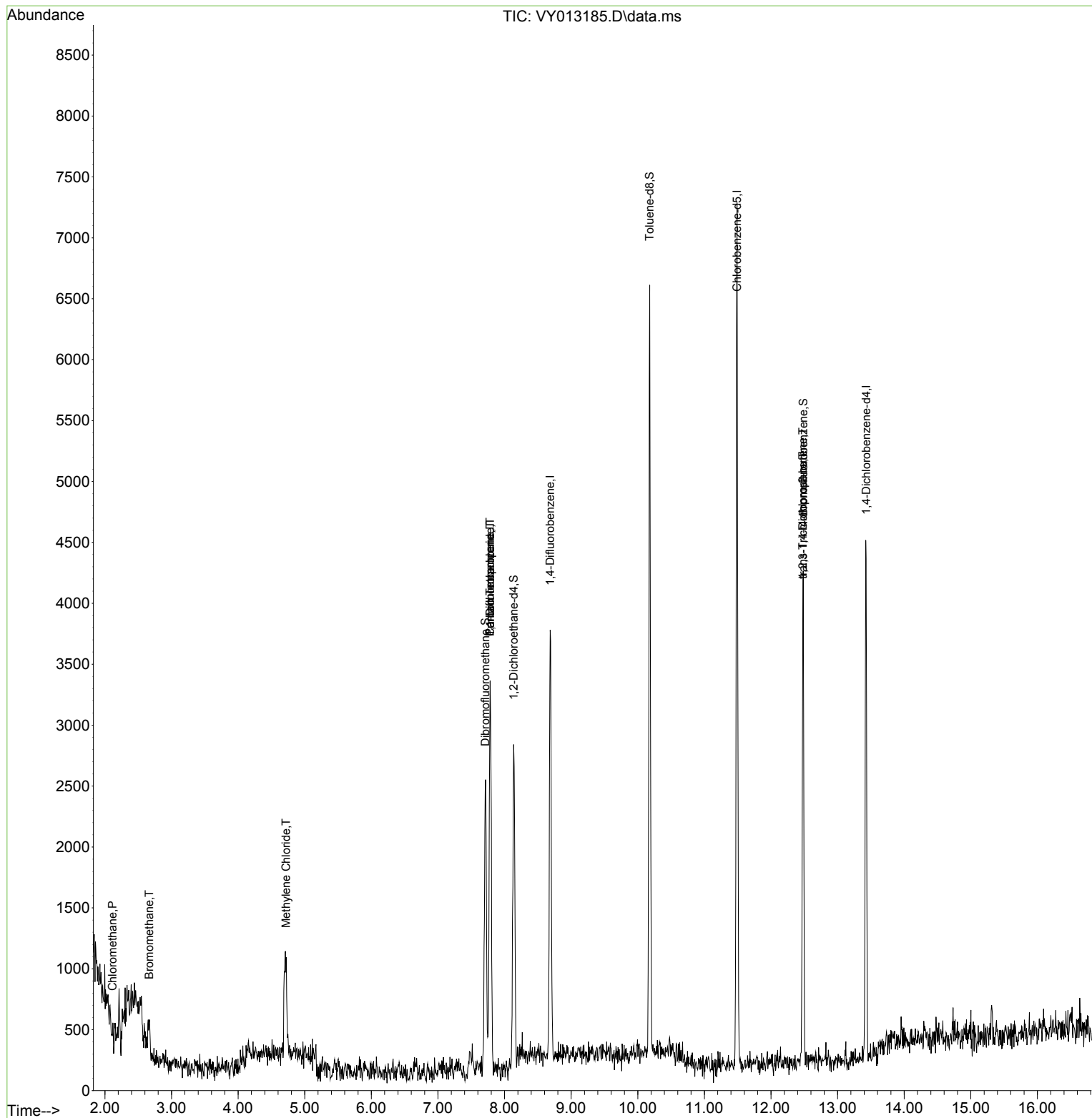
Internal Standards						
1) Pentafluorobenzene	7.783	168	3208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	3430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	4265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	2406	69.788	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.580%	
35) Dibromofluoromethane	7.710	113	1715	76.538	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 153.080%#	
50) Toluene-d8	10.179	98	3907	46.187	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.380%	
62) 4-Bromofluorobenzene	12.483	95	1424	51.718	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.440%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	127	3.873	ug/l #	42
5) Bromomethane	2.662	94	100	4.309	ug/l #	1
20) Methylene Chloride	4.716	84	623	13.162	ug/l #	77
36) 1,1-Dichloropropene	7.783	75	137	4.061	ug/l #	41
38) Carbon Tetrachloride	7.783	117	270	7.254	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	672	40.804	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	672	90.999	ug/l #	13

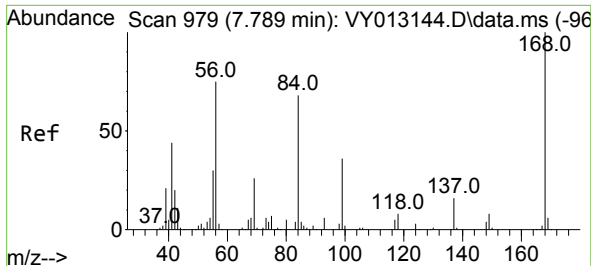
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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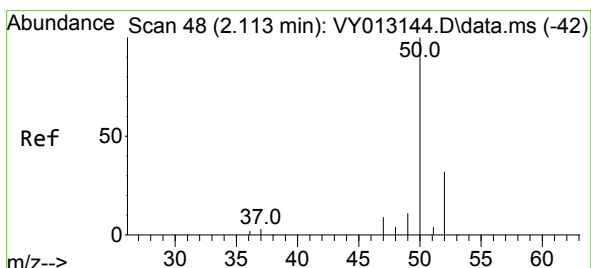
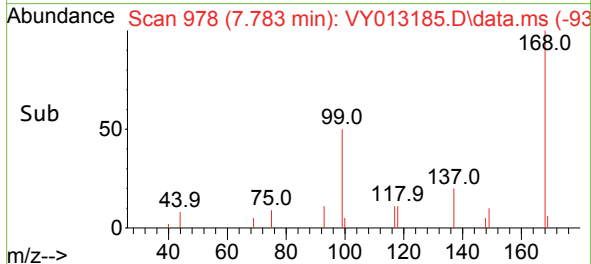
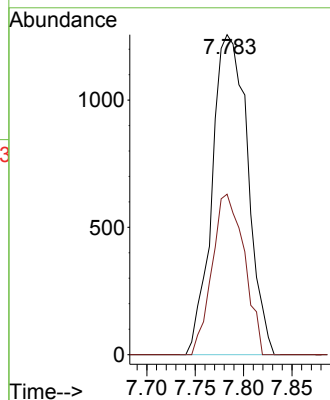
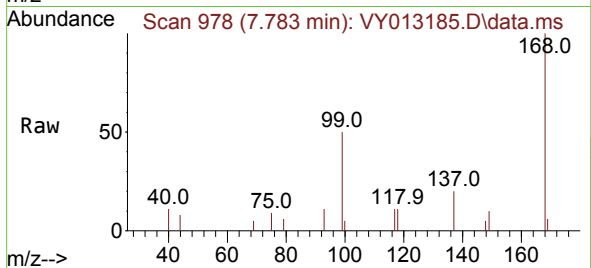




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013185.D
Acq: 03 Apr 2023 18:52

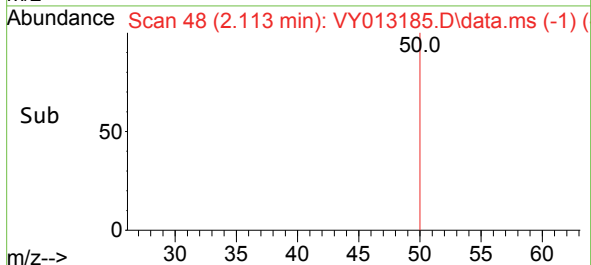
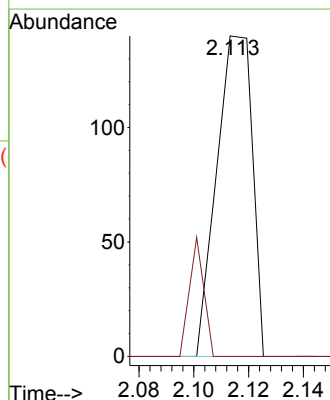
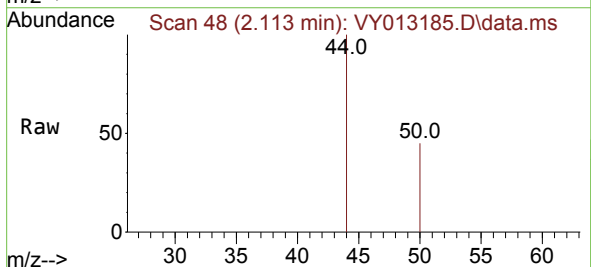
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-033123

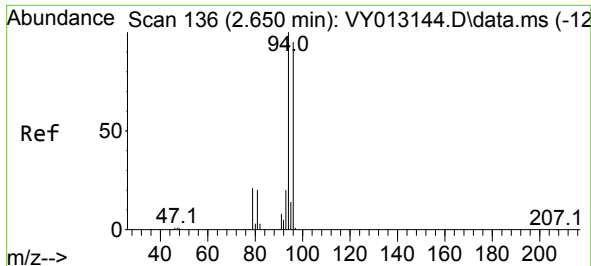
Tgt Ion:168 Resp: 3208
Ion Ratio Lower Upper
168 100
99 50.1 41.7 62.5



#3
Chloromethane
Concen: 3.873 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013185.D
Acq: 03 Apr 2023 18:52

Tgt Ion: 50 Resp: 127
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

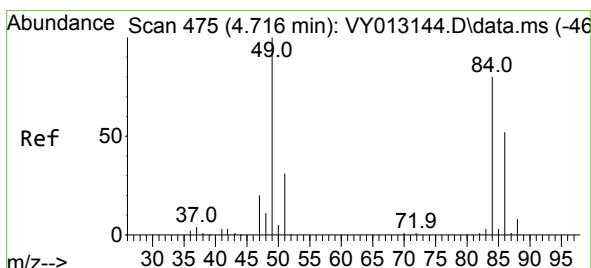
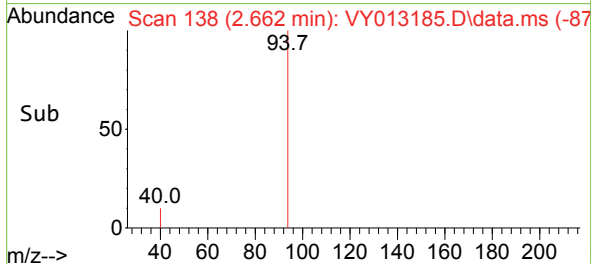
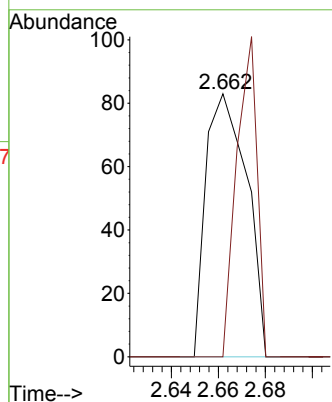
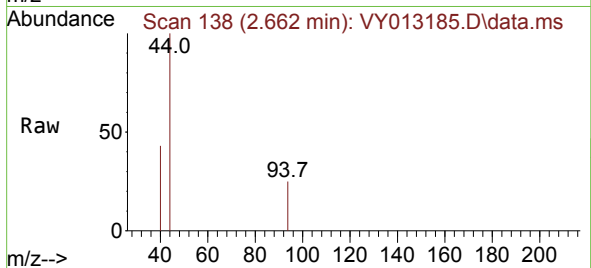




#5
Bromomethane
Concen: 4.309 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY013185.D
Acq: 03 Apr 2023 18:52

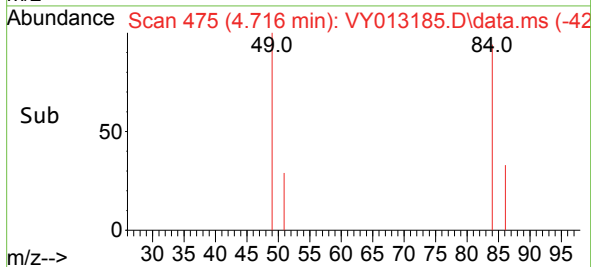
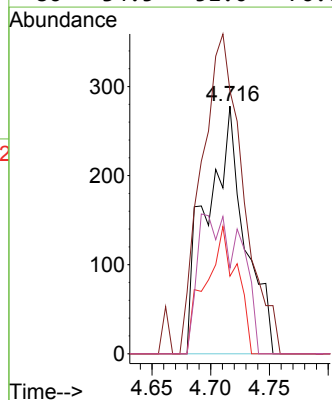
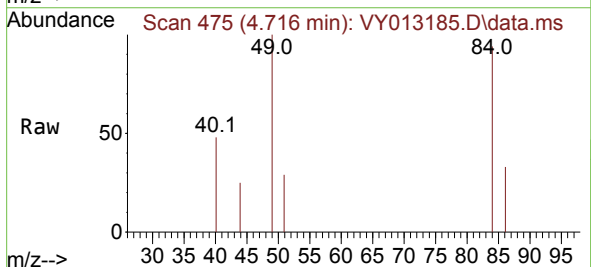
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-033123

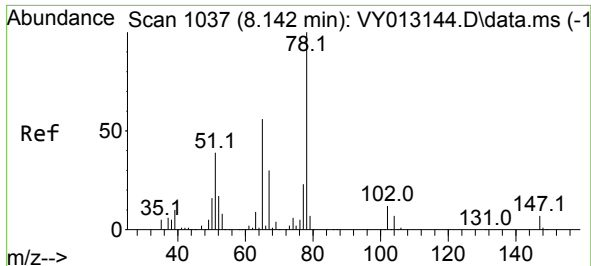
Tgt Ion: 94 Resp: 100
Ion Ratio Lower Upper
94 100
96 0.0 80.3 120.5#



#20
Methylene Chloride
Concen: 13.162 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013185.D
Acq: 03 Apr 2023 18:52

Tgt Ion: 84 Resp: 623
Ion Ratio Lower Upper
84 100
49 106.1 102.6 154.0
51 31.3 31.9 47.9#
86 34.5 51.0 76.6#

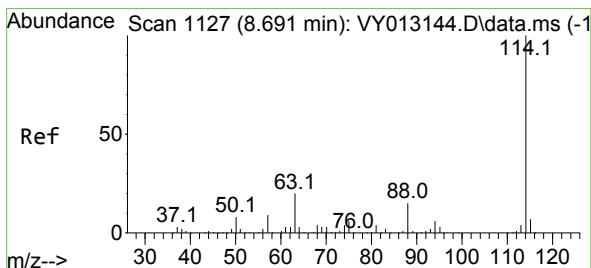
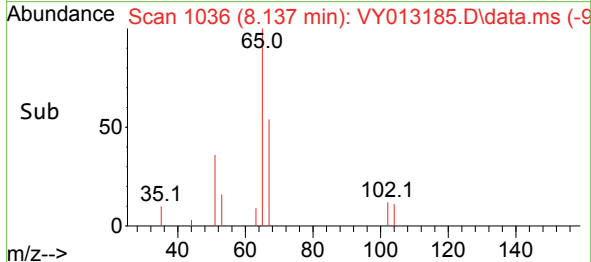
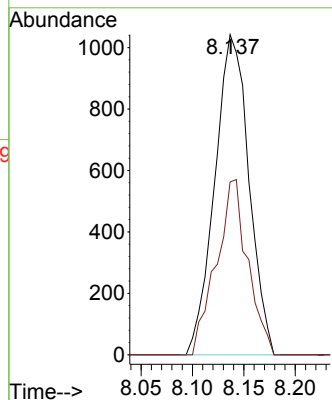
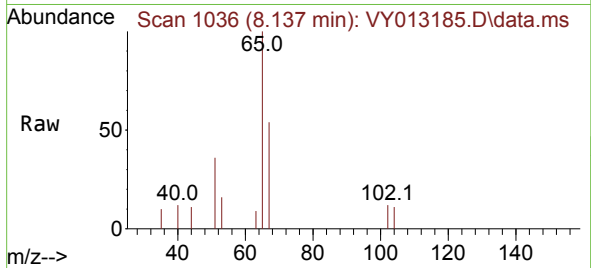




#33
 1,2-Dichloroethane-d4
 Concen: 69.788 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. -0.005 min
 Lab File: VY013185.D
 Acq: 03 Apr 2023 18:52

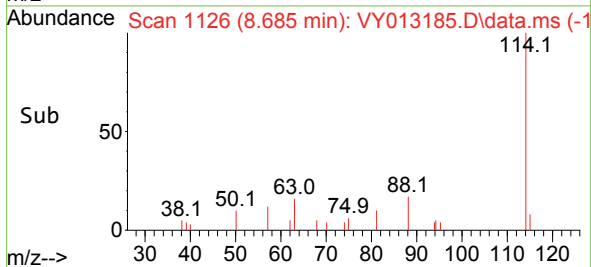
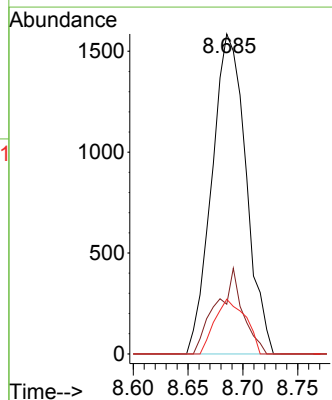
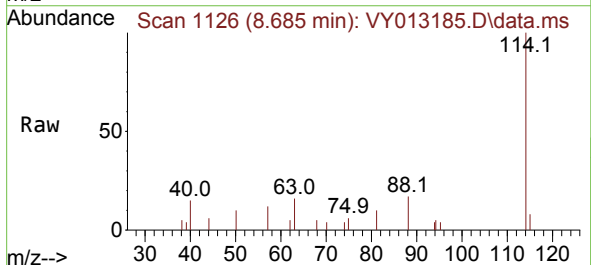
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-033123

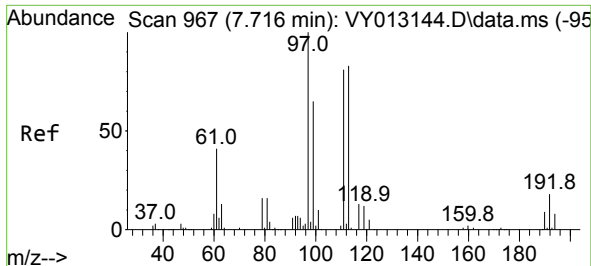
Tgt Ion: 65 Resp: 2406
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY013185.D
 Acq: 03 Apr 2023 18:52

Tgt Ion: 114 Resp: 3430
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 37.4
 88 17.1 0.0 28.6

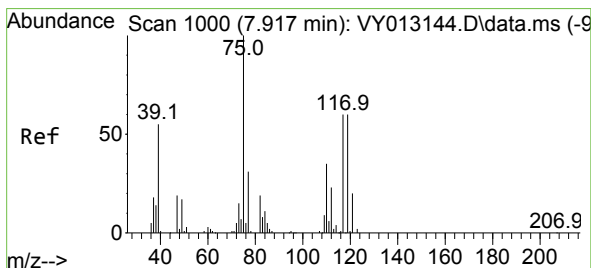
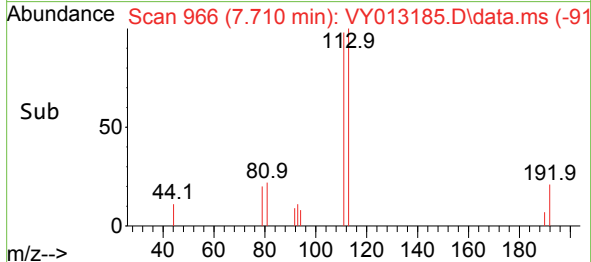
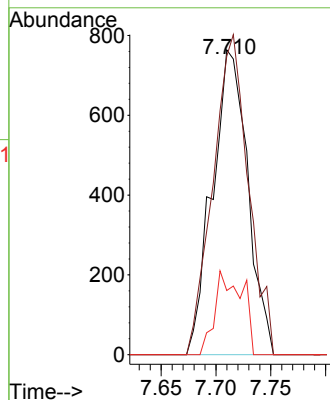
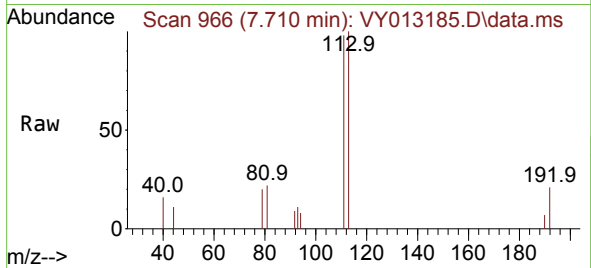




#35
 Dibromofluoromethane
 Concen: 76.538 ug/l
 RT: 7.710 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VY013185.D
 Acq: 03 Apr 2023 18:52

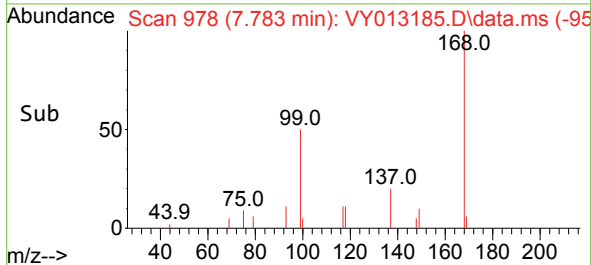
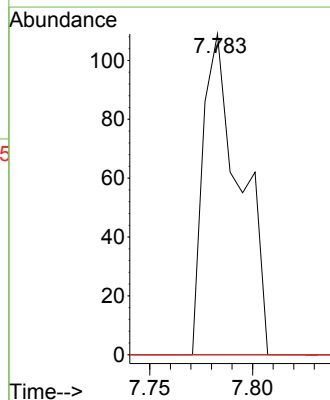
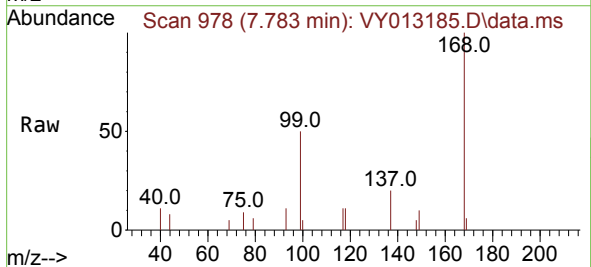
Instrument :
 MSVOA_Y
 ClientSampleId :
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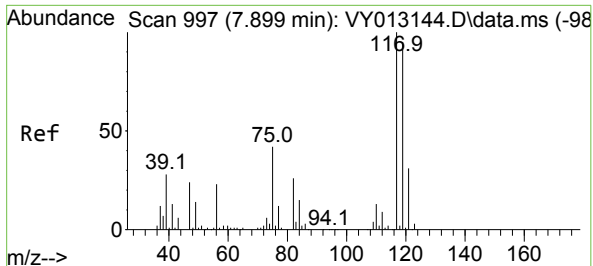
Tgt Ion:113 Resp: 1715
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.2 123.2
 192 21.2 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.061 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.134 min
 Lab File: VY013185.D
 Acq: 03 Apr 2023 18:52

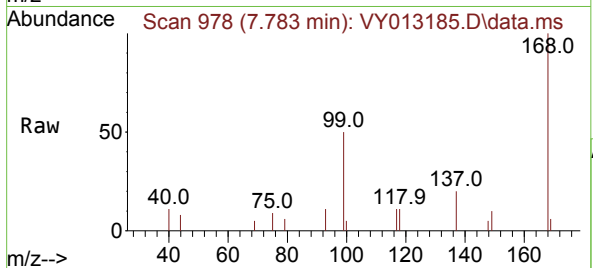
Tgt Ion: 75 Resp: 137
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.8 53.3#
 77 0.0 25.0 37.4#



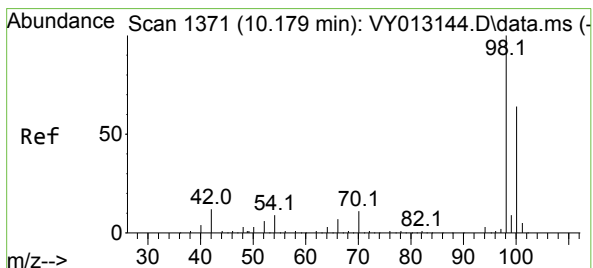
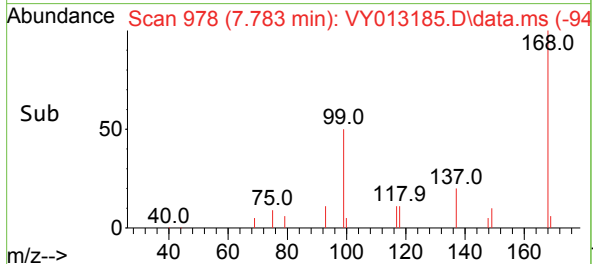
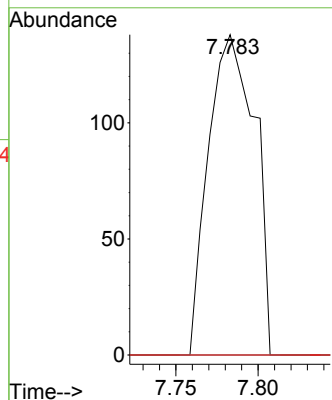


#38
Carbon Tetrachloride
Concen: 7.254 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013185.D
Acq: 03 Apr 2023 18:52

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-033123

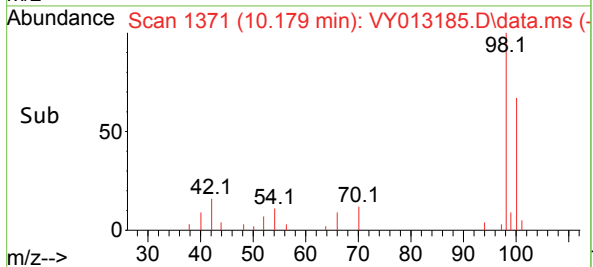
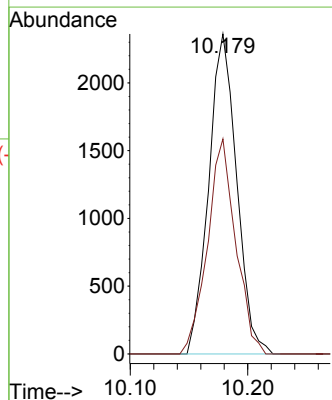
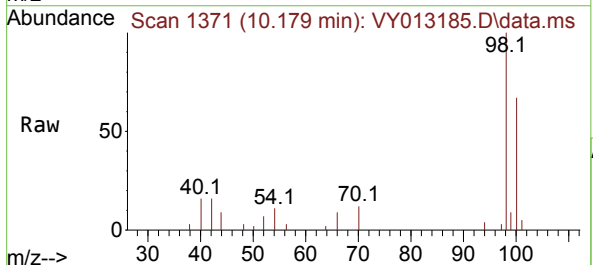


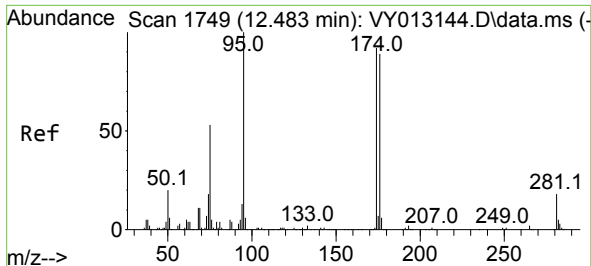
Tgt Ion:117 Resp: 270
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 46.187 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013185.D
Acq: 03 Apr 2023 18:52

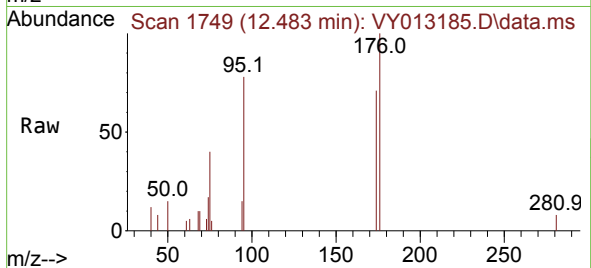
Tgt Ion: 98 Resp: 3907
Ion Ratio Lower Upper
98 100
100 67.8 50.9 76.3



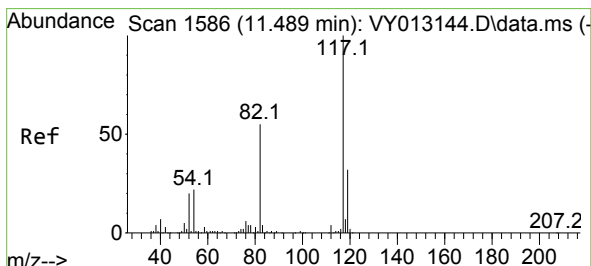
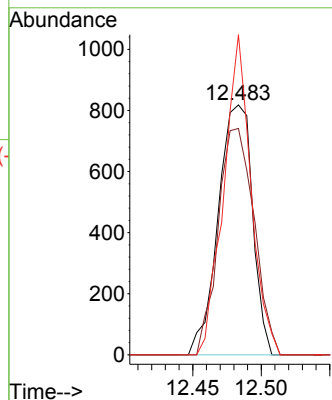
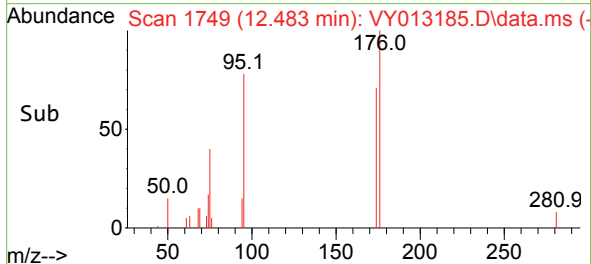


#62
4-Bromofluorobenzene
Concen: 51.718 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013185.D
Acq: 03 Apr 2023 18:52

Instrument :
MSVOA_Y
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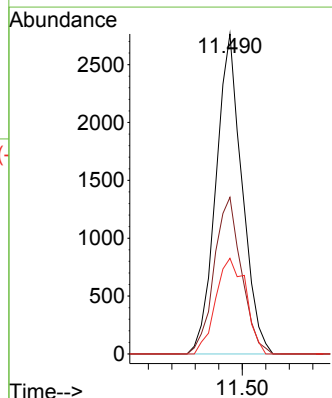
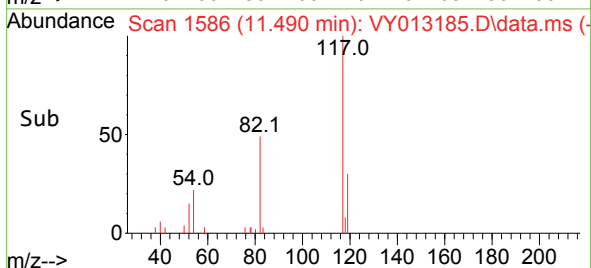
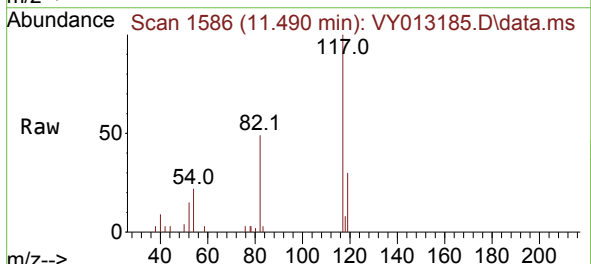


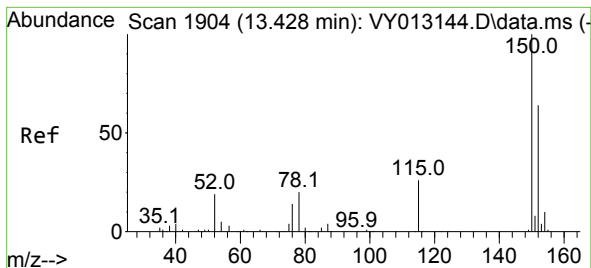
Tgt Ion:	95	Resp:	1424
Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	176.6
176	102.0	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013185.D
Acq: 03 Apr 2023 18:52

Tgt Ion:	117	Resp:	4265
Ion	Ratio	Lower	Upper
117	100		
82	49.0	45.4	68.0
119	29.9	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: VY013185.D

Acq: 03 Apr 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-033123

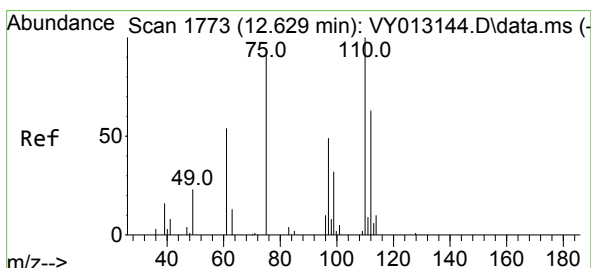
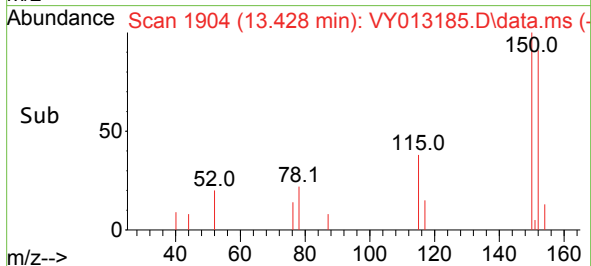
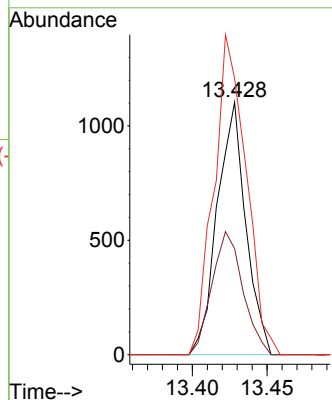
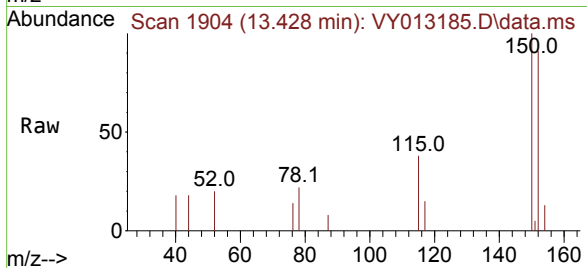
Tgt Ion:152 Resp: 1466

Ion Ratio Lower Upper

152 100

115 52.9 27.1 81.3

150 142.6 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 40.804 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013185.D

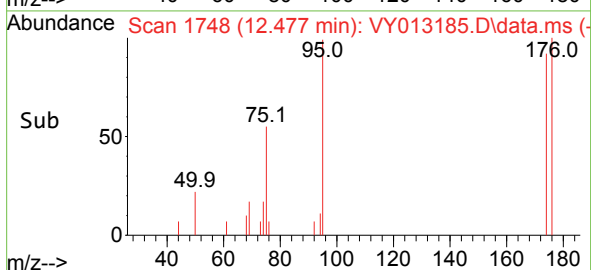
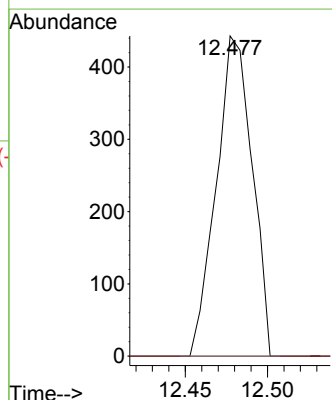
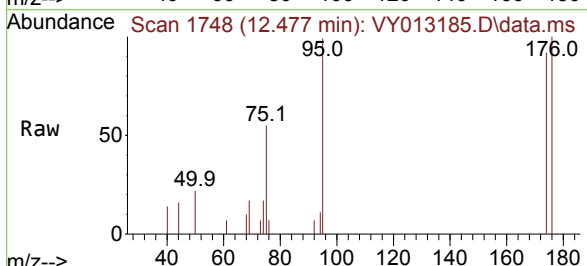
Acq: 03 Apr 2023 18:52

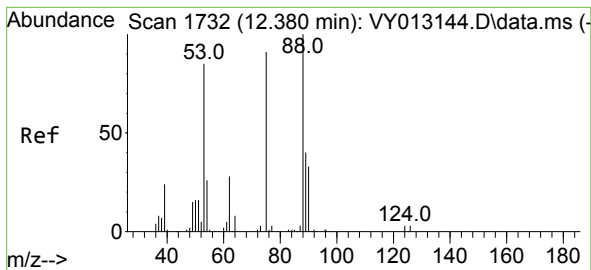
Tgt Ion: 75 Resp: 672

Ion Ratio Lower Upper

75 100

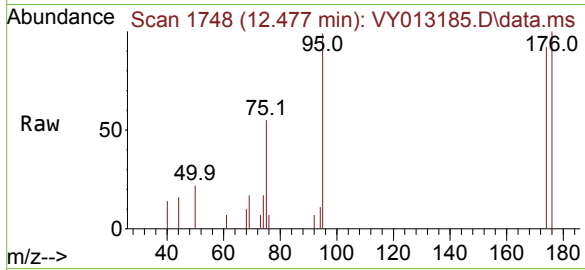
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.999 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY013185.D
 Acq: 03 Apr 2023 18:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-033123



Tgt Ion: 75 Resp: 672
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

