

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011984.D
 Acq On : 22 Dec 2022 18:55
 Operator : KP/MD
 Sample : N6183-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-3

Quant Time: Dec 23 04:33:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

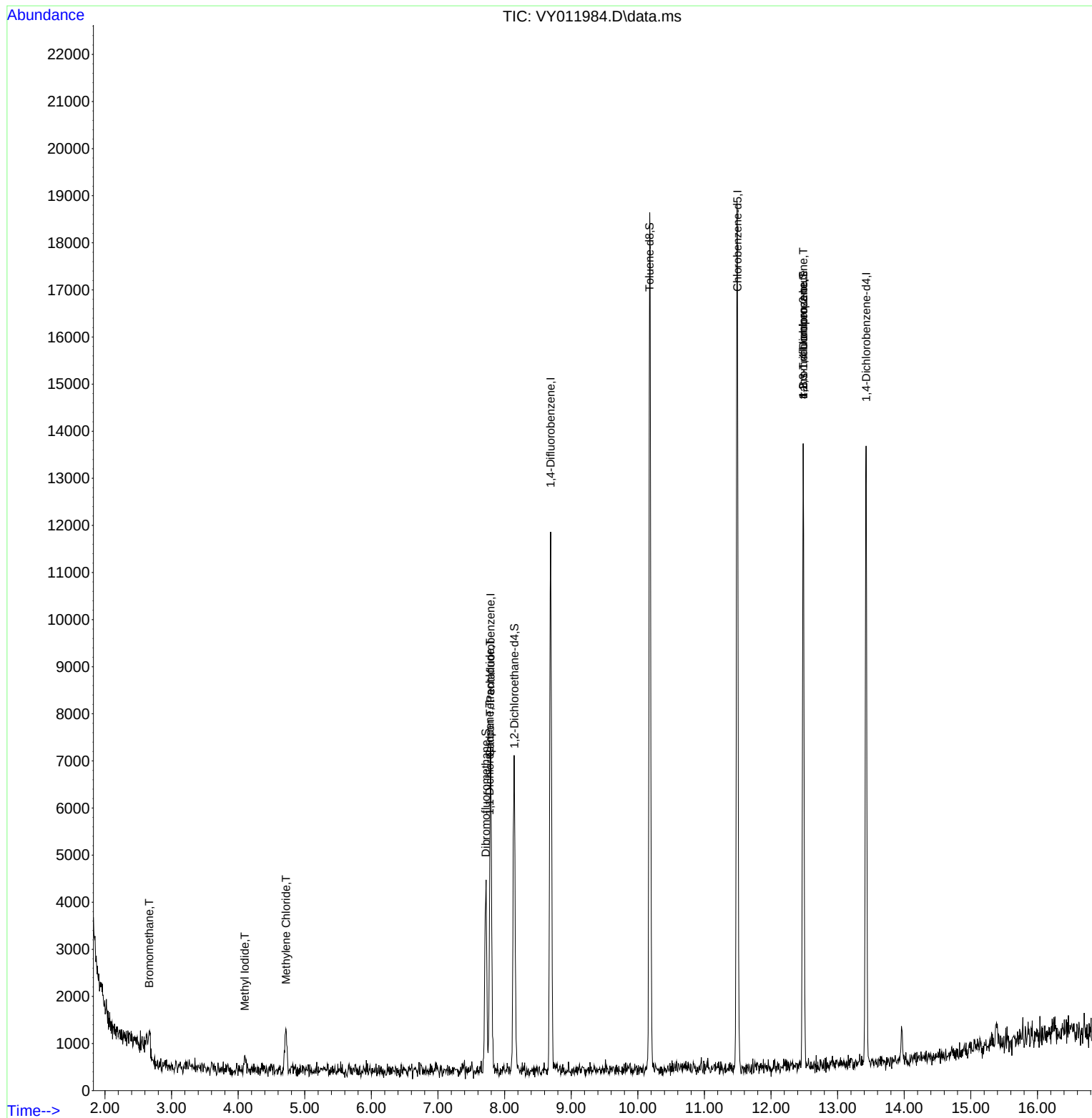
Internal Standards						
1) Pentafluorobenzene	7.789	168	5788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	10425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	10982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	5475	93.890	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 187.780%#	
35) Dibromofluoromethane	7.716	113	2810	44.773	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.540%	
50) Toluene-d8	10.179	98	13108	51.477	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.960%	
62) 4-Bromofluorobenzene	12.483	95	4126	48.178	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	155	3.835	ug/l #	61
10) Methyl Iodide	4.101	142	440	5.809	ug/l #	54
20) Methylene Chloride	4.716	84	587	3.096	ug/l	96
36) 1,1-Dichloropropene	7.777	75	463	4.599	ug/l #	41
38) Carbon Tetrachloride	7.783	117	420	3.612	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	2101	43.890	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2101	120.193	ug/l #	13

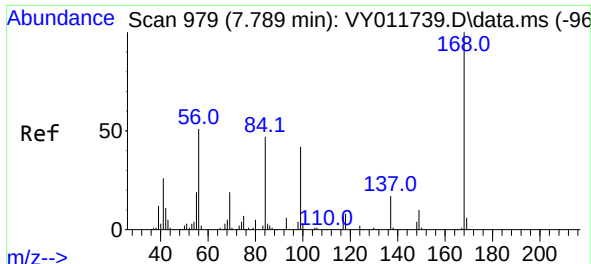
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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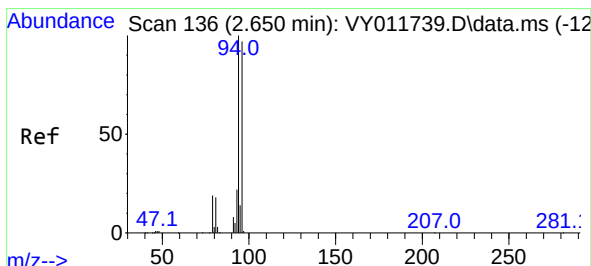
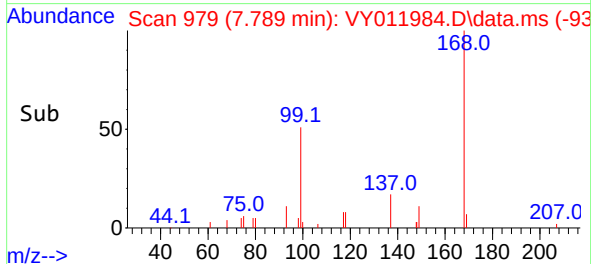
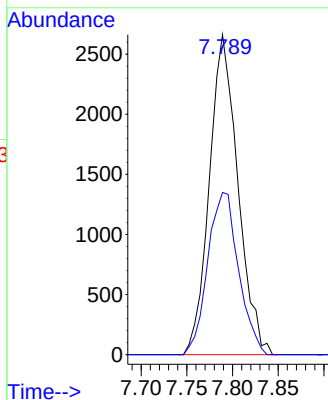
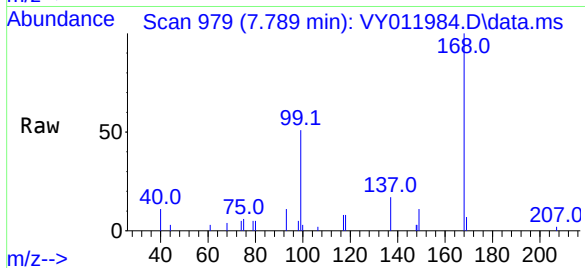




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011984.D
Acq: 22 Dec 2022 18:55

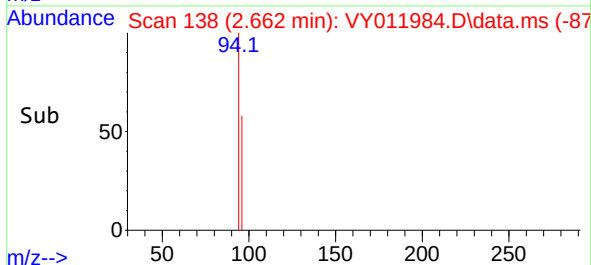
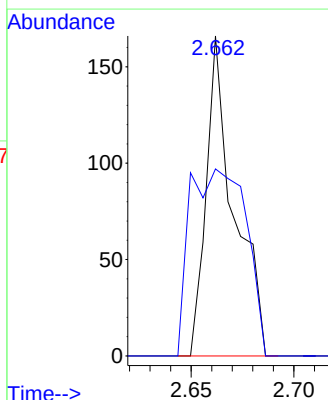
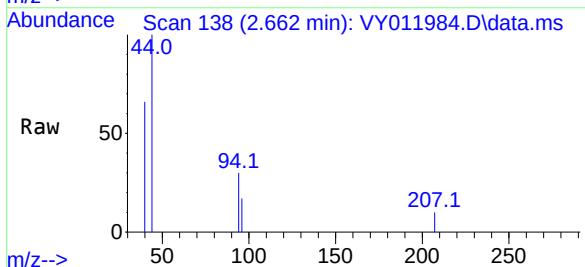
Instrument :
MSVOA_Y
ClientSampleId :
R-3

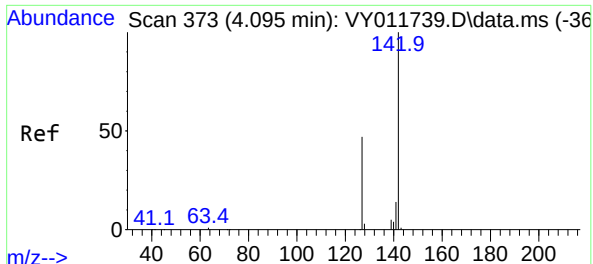
Tgt Ion:168 Resp: 5788
Ion Ratio Lower Upper
168 100
99 50.7 44.0 66.0



#5
Bromomethane
Concen: 3.835 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY011984.D
Acq: 22 Dec 2022 18:55

Tgt Ion: 94 Resp: 155
Ion Ratio Lower Upper
94 100
96 58.4 77.4 116.2#





#10

Methyl Iodide

Concen: 5.809 ug/l

RT: 4.101 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY011984.D

Acq: 22 Dec 2022 18:55

Instrument :

MSVOA_Y

ClientSampleId :

R-3

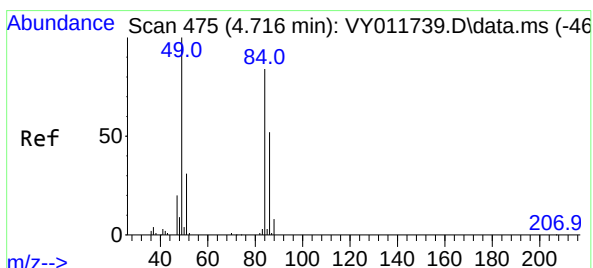
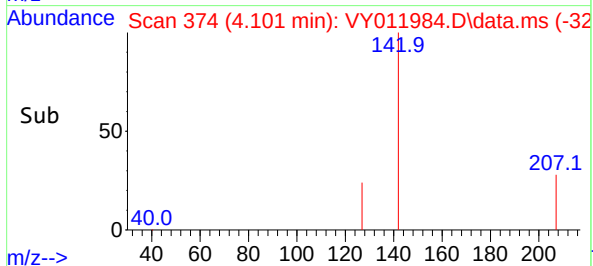
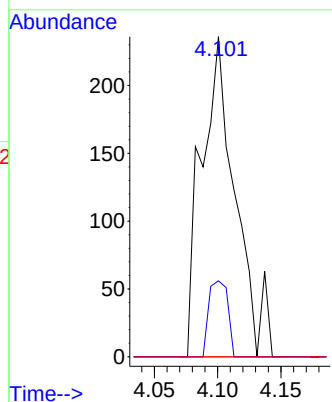
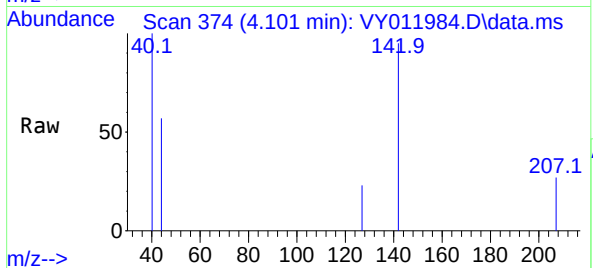
Tgt Ion:142 Resp: 440

Ion Ratio Lower Upper

142 100

127 13.2 37.0 55.4#

141 0.0 11.4 17.0#



#20

Methylene Chloride

Concen: 3.096 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011984.D

Acq: 22 Dec 2022 18:55

Tgt Ion: 84 Resp: 587

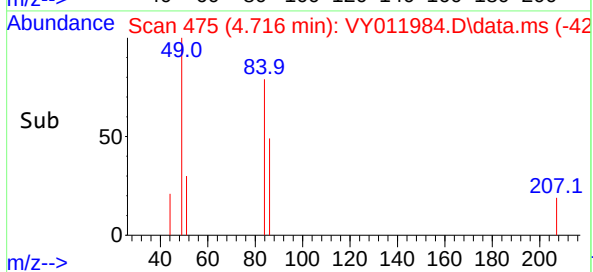
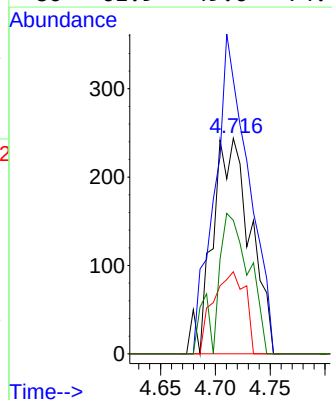
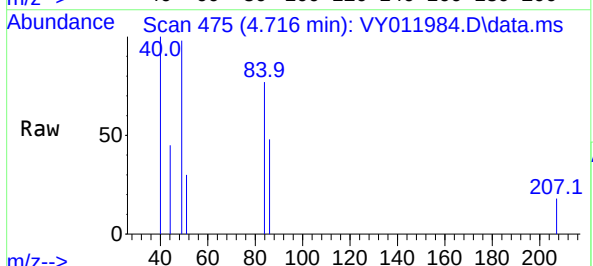
Ion Ratio Lower Upper

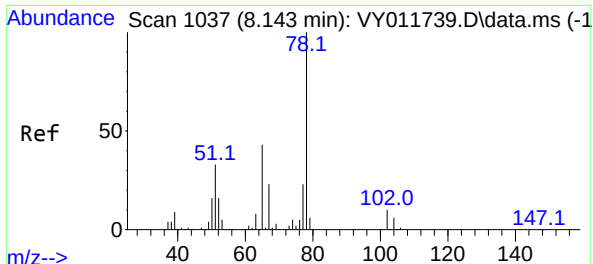
84 100

49 127.0 95.4 143.2

51 38.1 29.9 44.9

86 61.9 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 93.890 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY011984.D

Acq: 22 Dec 2022 18:55

Instrument :

MSVOA_Y

ClientSampleId :

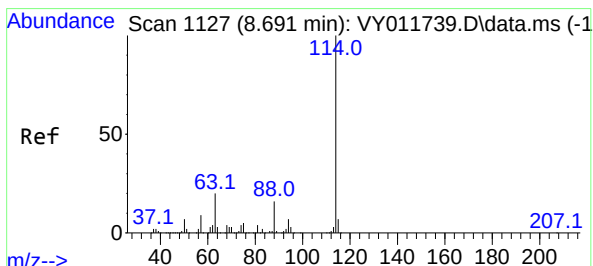
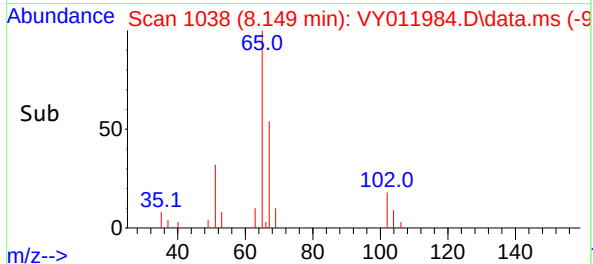
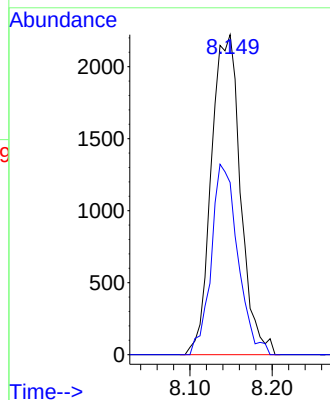
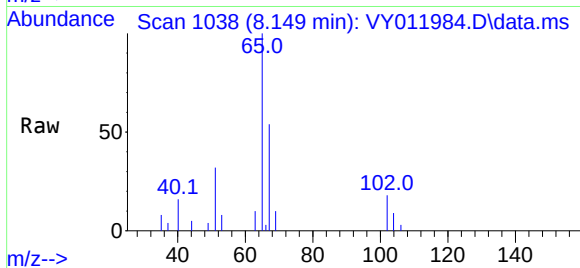
R-3

Tgt Ion: 65 Resp: 5475

Ion Ratio Lower Upper

65 100

67 54.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011984.D

Acq: 22 Dec 2022 18:55

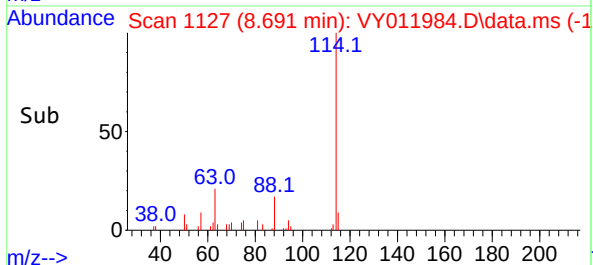
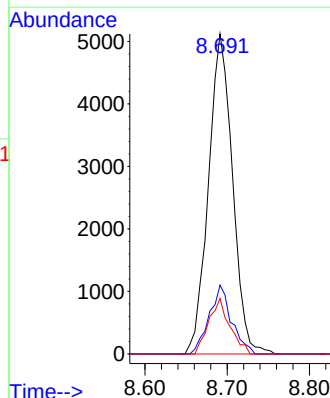
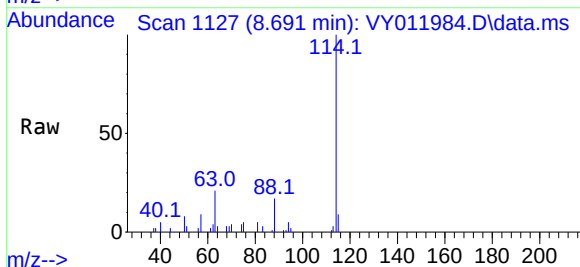
Tgt Ion: 114 Resp: 10425

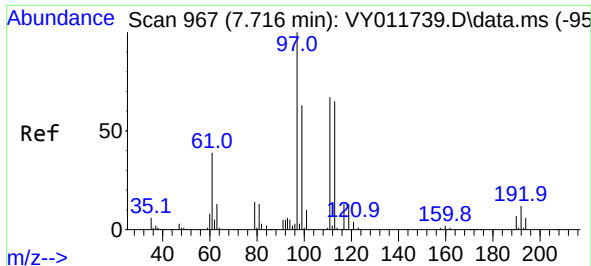
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.6

88 17.3 0.0 32.2

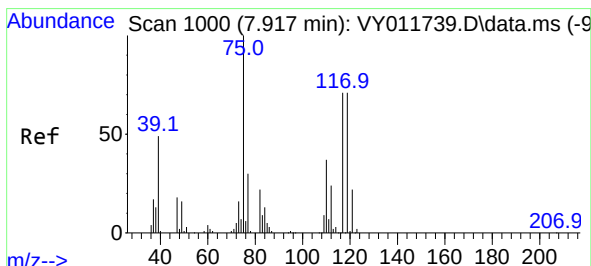
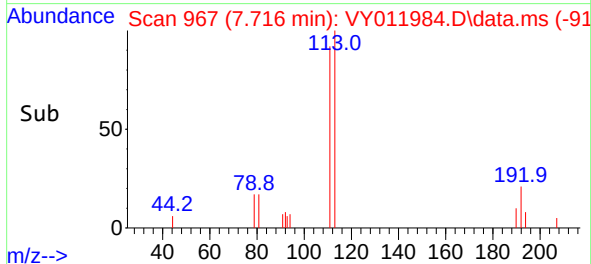
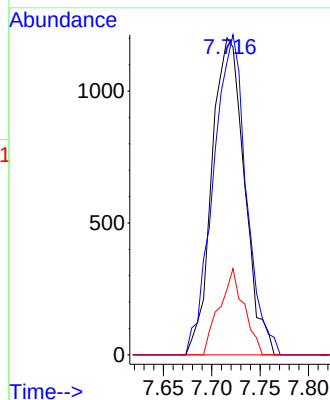
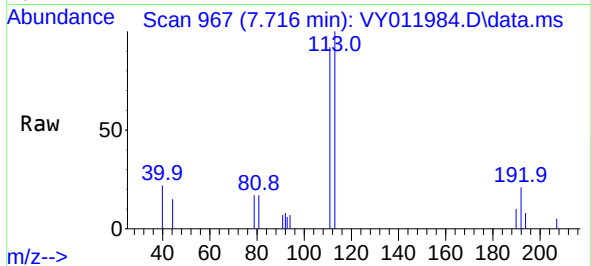




#35
Dibromofluoromethane
Concen: 44.773 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011984.D
Acq: 22 Dec 2022 18:55

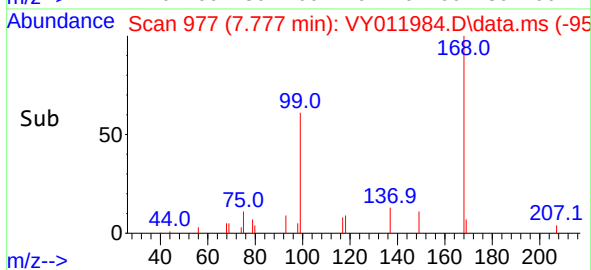
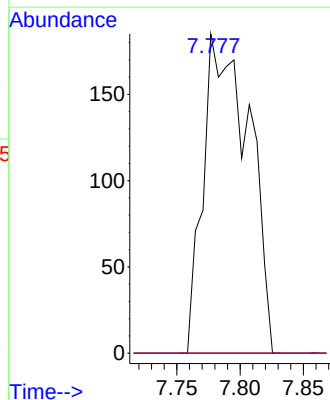
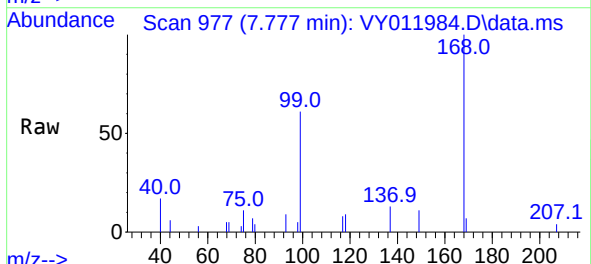
Instrument :
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ClientSampleId :
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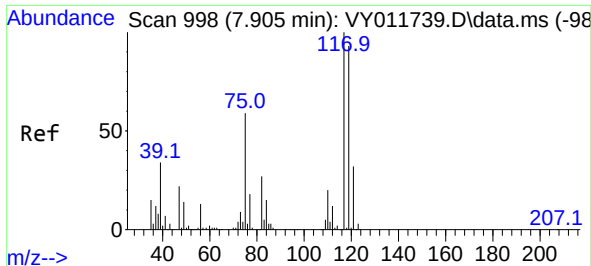
Tgt Ion:113 Resp: 2810
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.4
192 20.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.140 min
Lab File: VY011984.D
Acq: 22 Dec 2022 18:55

Tgt Ion: 75 Resp: 463
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.1#
77 0.0 25.1 37.7#

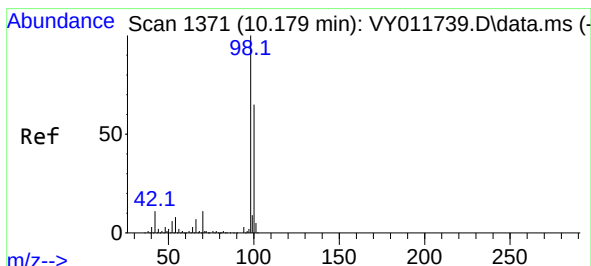
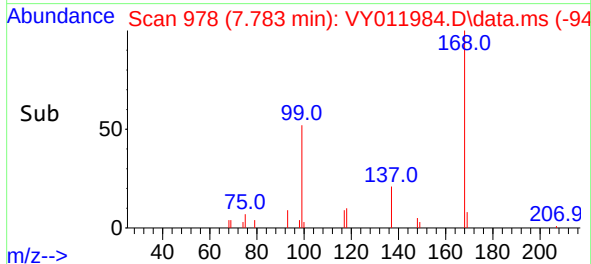
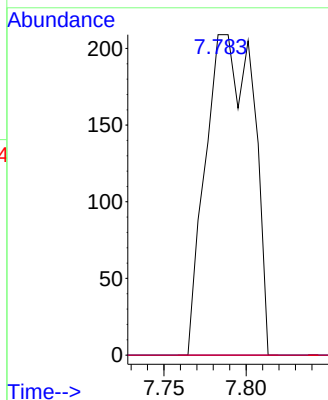
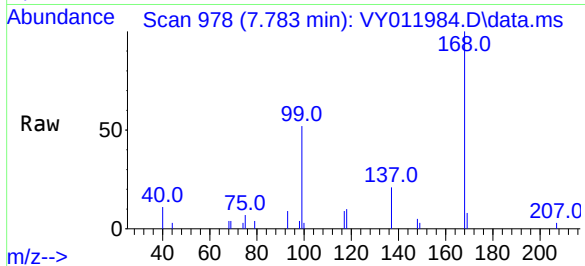




#38
Carbon Tetrachloride
Concen: 3.612 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011984.D
Acq: 22 Dec 2022 18:55

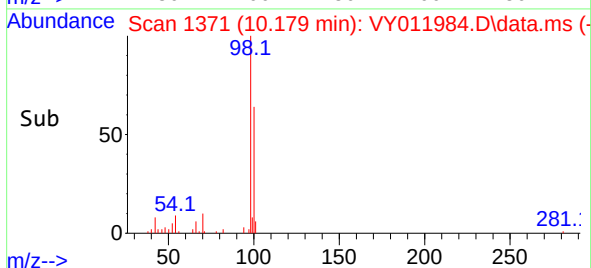
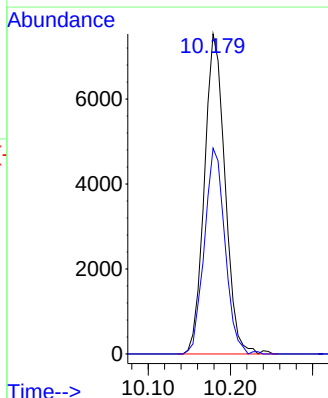
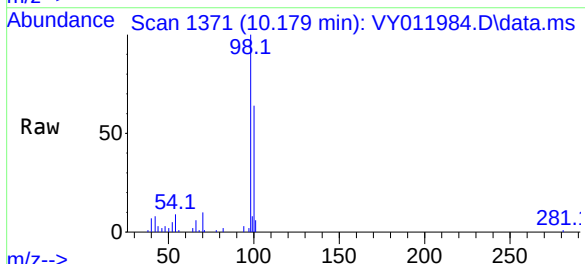
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ClientSampleId :
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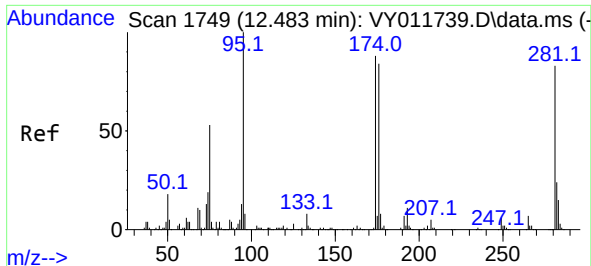
Tgt Ion:117 Resp: 420
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 51.477 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011984.D
Acq: 22 Dec 2022 18:55

Tgt Ion: 98 Resp: 13108
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

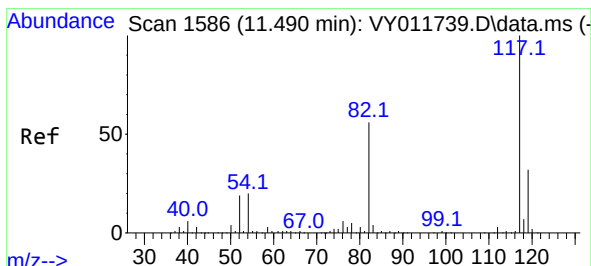
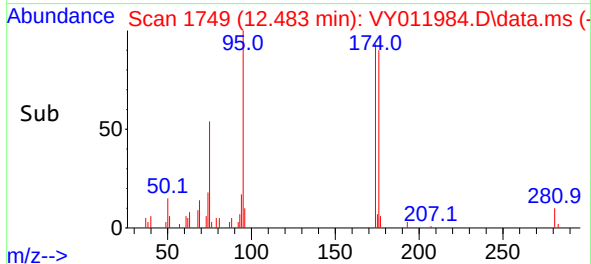
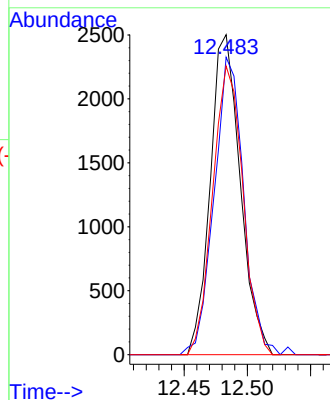
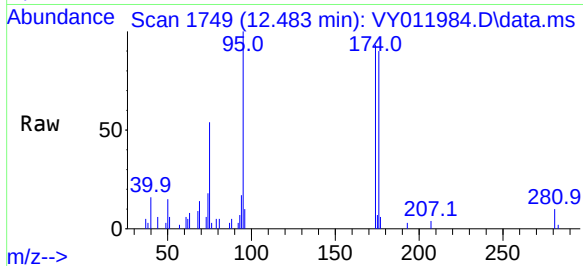




#62
4-Bromofluorobenzene
Concen: 48.178 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011984.D
Acq: 22 Dec 2022 18:55

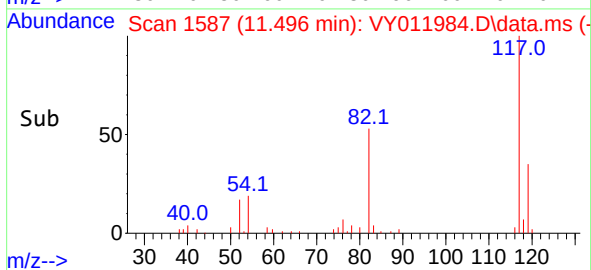
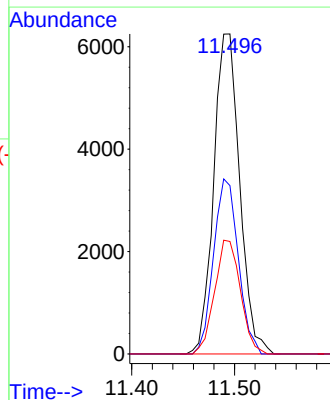
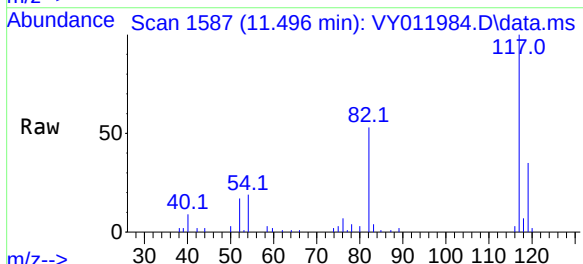
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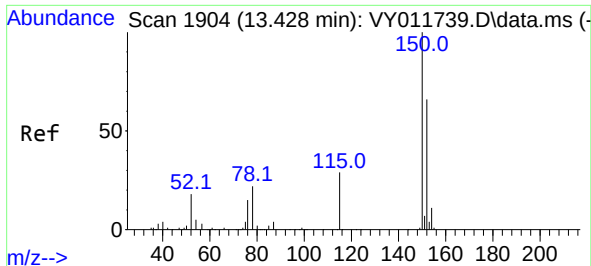
Tgt Ion:	95	Resp:	4126
Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	172.0
176	90.7	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY011984.D
Acq: 22 Dec 2022 18:55

Tgt Ion:	117	Resp:	10982
Ion	Ratio	Lower	Upper
117	100		
82	52.6	44.8	67.2
119	35.1	25.4	38.2

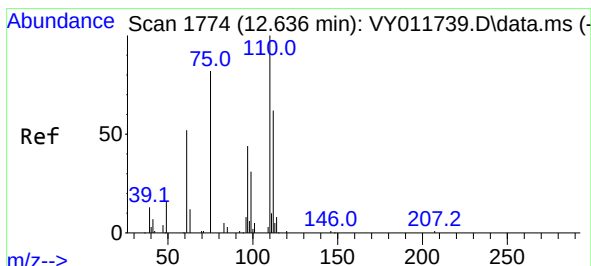
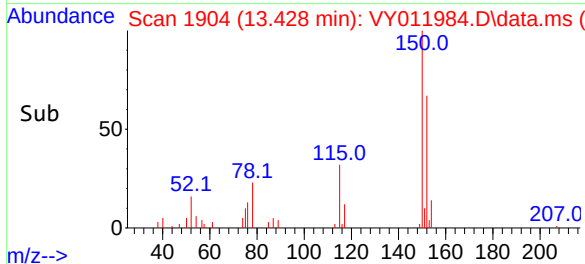
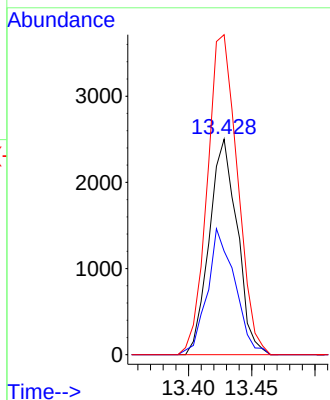
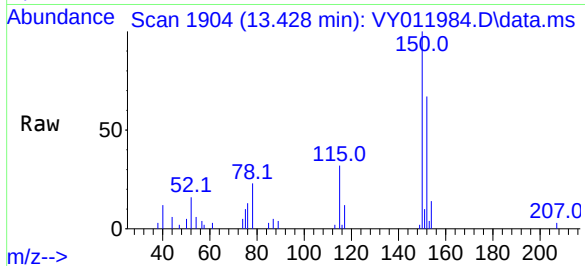




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011984.D
Acq: 22 Dec 2022 18:55

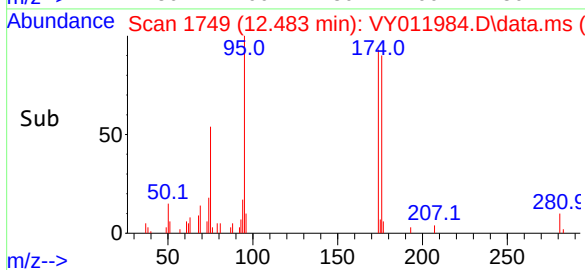
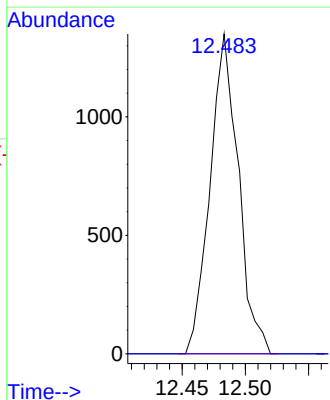
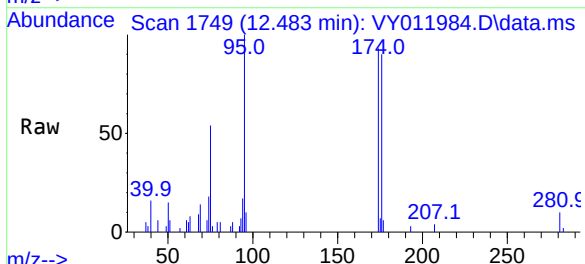
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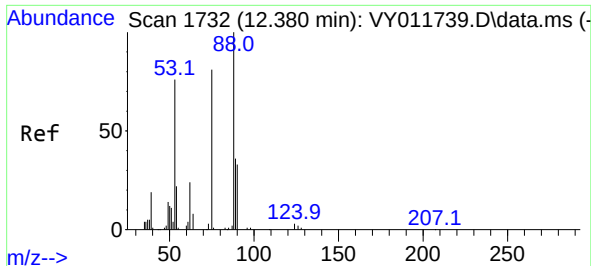
Tgt Ion:152 Resp: 3847
Ion Ratio Lower Upper
152 100
115 57.7 29.1 87.3
150 160.3 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 43.890 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011984.D
Acq: 22 Dec 2022 18:55

Tgt Ion: 75 Resp: 2101
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.193 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011984.D
 Acq: 22 Dec 2022 18:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-3

Tgt Ion: 75 Resp: 2101
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

