

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040423\
 Data File : VY013192.D
 Acq On : 04 Apr 2023 16:18
 Operator : KP/MD
 Sample : 02162-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-3-033123RE

Quant Time: Apr 05 01:19:41 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)

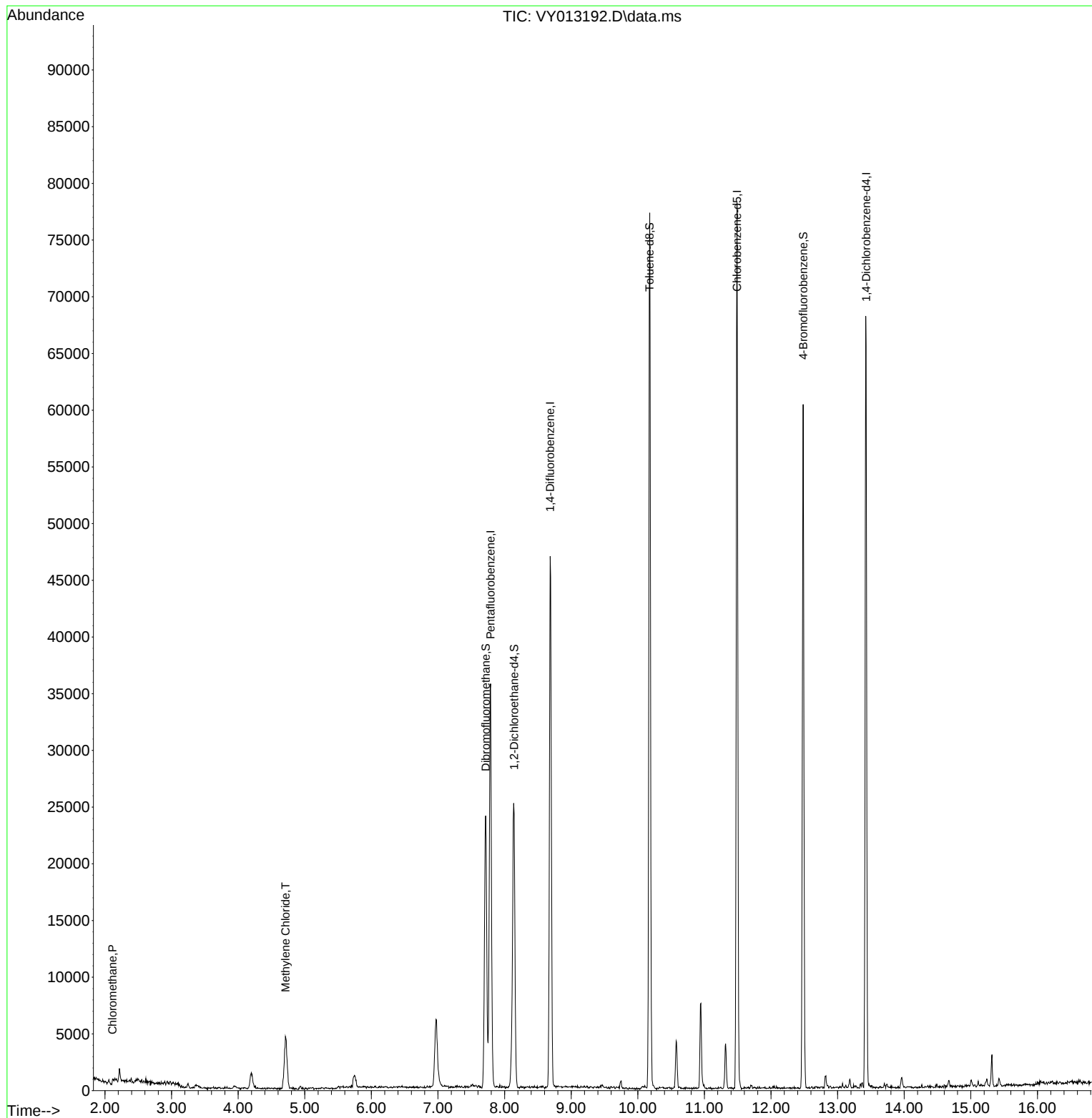
Internal Standards						
1) Pentafluorobenzene	7.789	168	27003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	39066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	42763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	19405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	19440	66.989	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.980%	
35) Dibromofluoromethane	7.715	113	17133	67.134	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.260%	
50) Toluene-d8	10.178	98	52569	54.564	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.120%	
62) 4-Bromofluorobenzene	12.483	95	16333	52.082	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.160%	
Target Compounds						
3) Chloromethane	2.113	50	303	1.098	ug/l #	88
20) Methylene Chloride	4.710	84	3550	6.966	ug/l #	83

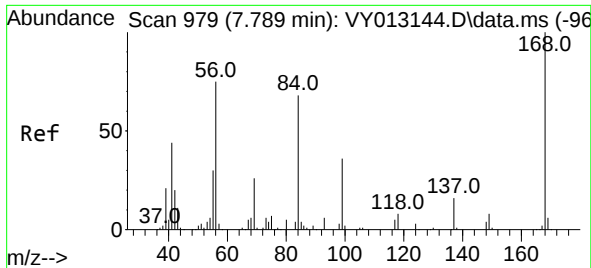
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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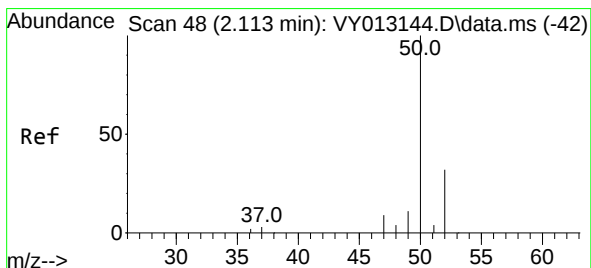
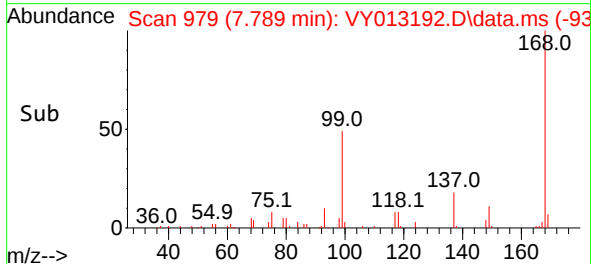
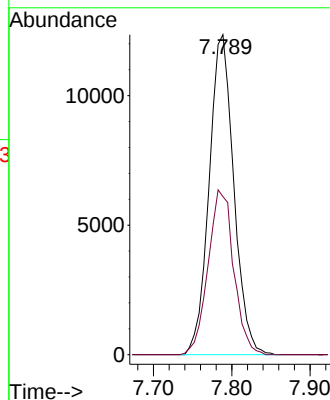
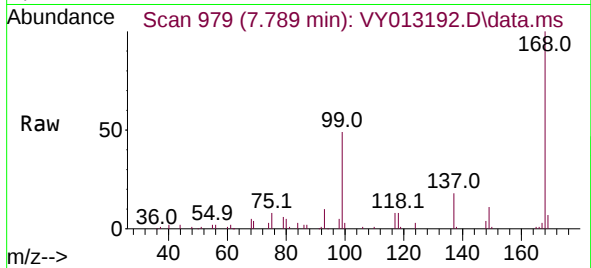




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

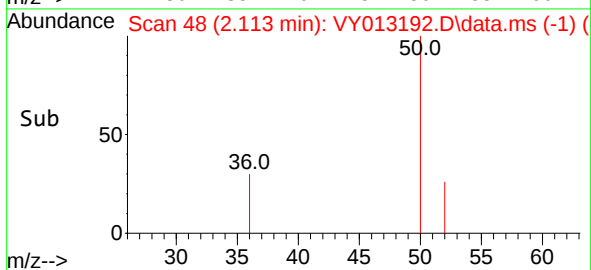
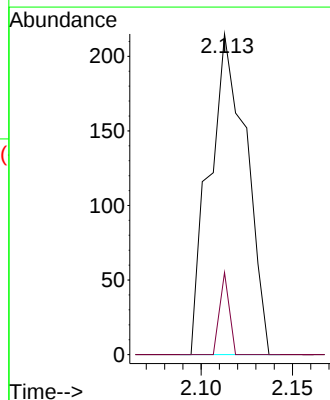
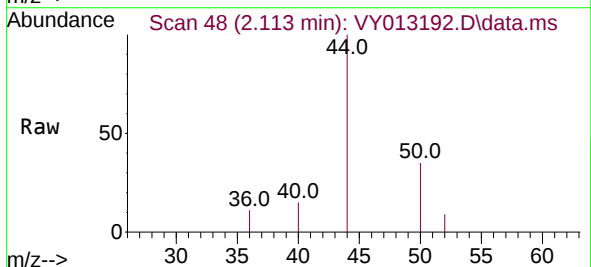
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-033123RE

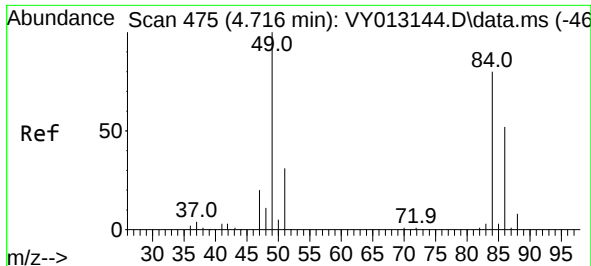
Tgt Ion:168 Resp: 27003
Ion Ratio Lower Upper
168 100
99 49.4 41.7 62.5



#3
Chloromethane
Concen: 1.098 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Tgt Ion: 50 Resp: 303
Ion Ratio Lower Upper
50 100
52 25.6 26.0 39.0#

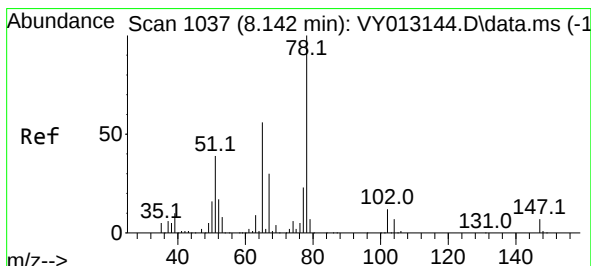
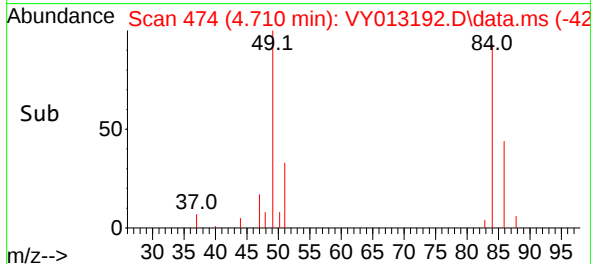
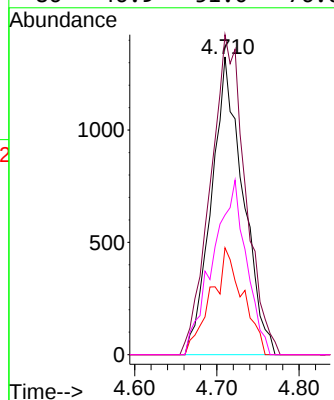
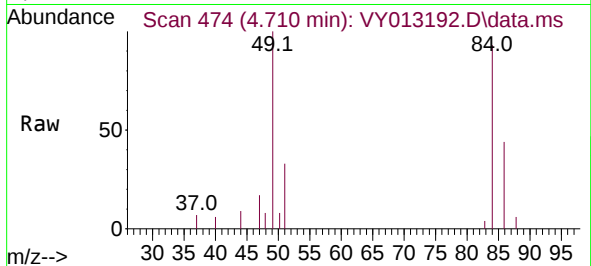




#20
Methylene Chloride
Concen: 6.966 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

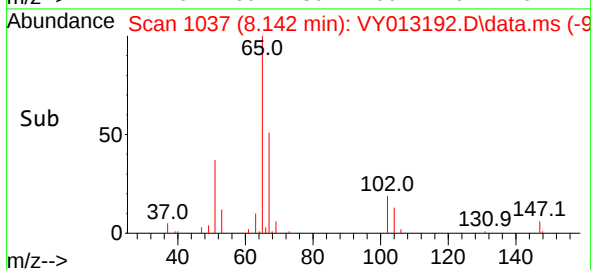
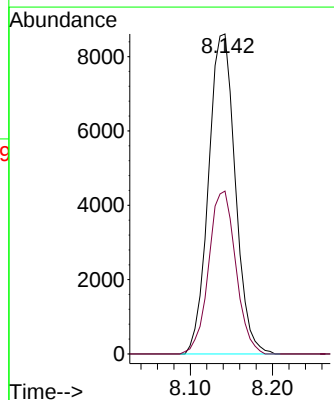
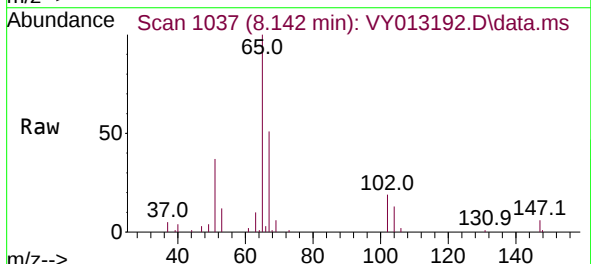
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-033123RE

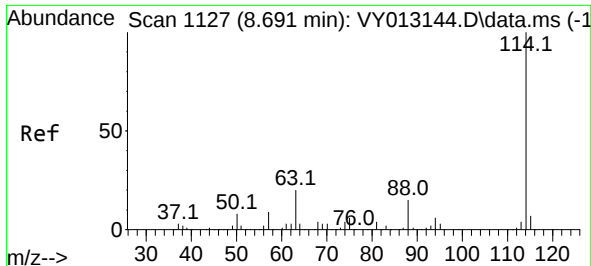
Tgt Ion: 84	Resp:	3550	
Ion	Ratio	Lower	Upper
84	100		
49	107.5	102.6	154.0
51	35.9	31.9	47.9
86	46.9	51.0	76.6#



#33
1,2-Dichloroethane-d4
Concen: 66.989 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Tgt Ion: 65	Resp:	19440	
Ion	Ratio	Lower	Upper
65	100		
67	51.6	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: VY013192.D

Acq: 04 Apr 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-033123RE

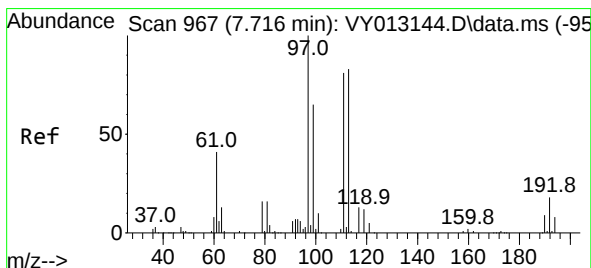
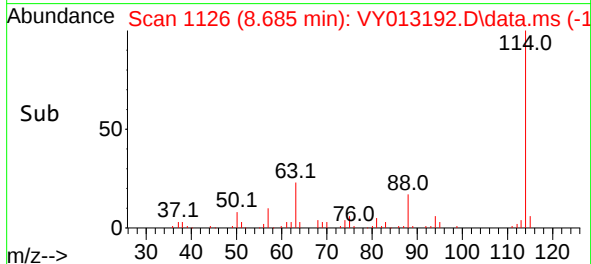
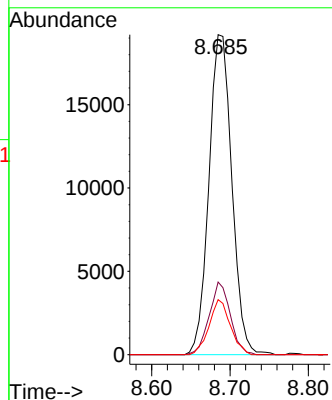
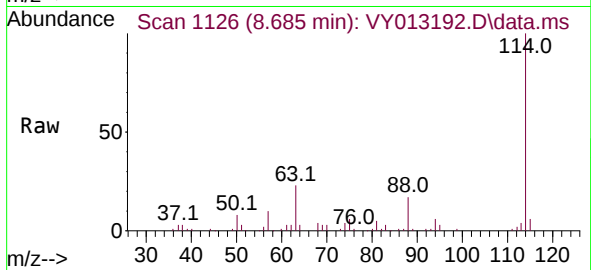
Tgt Ion:114 Resp: 39066

Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.4

88 17.2 0.0 28.6



#35

Dibromofluoromethane

Concen: 67.134 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY013192.D

Acq: 04 Apr 2023 16:18

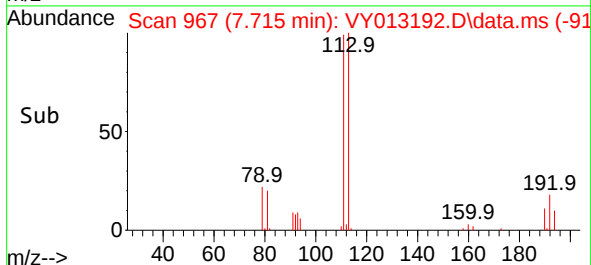
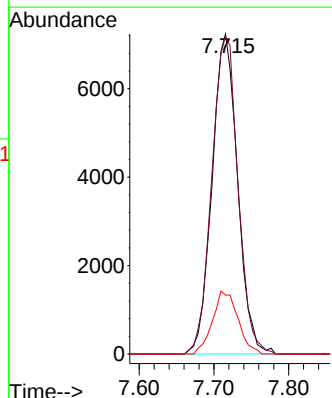
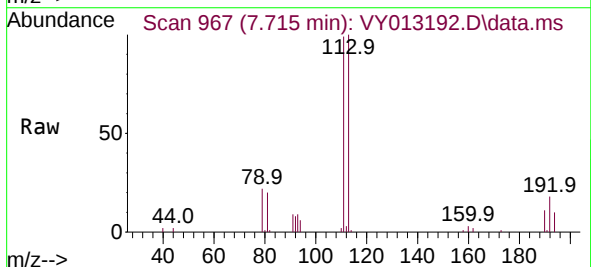
Tgt Ion:113 Resp: 17133

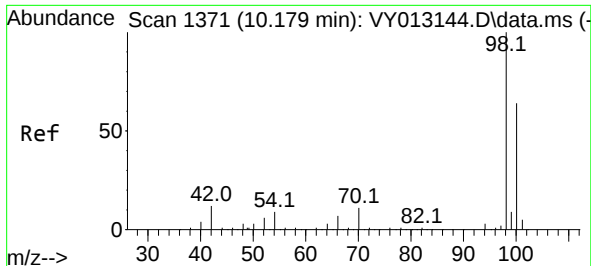
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 19.6 16.8 25.2

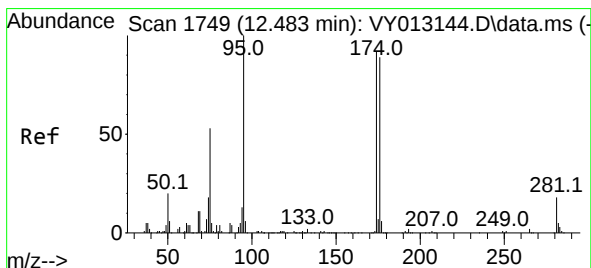
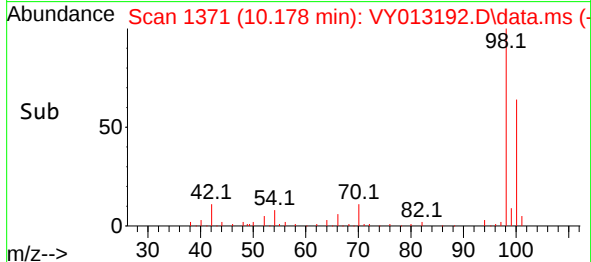
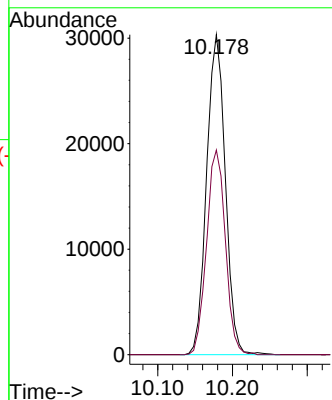
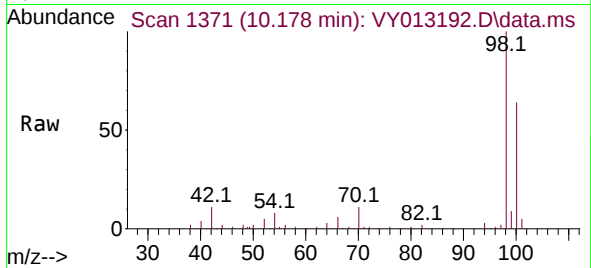




#50
Toluene-d8
Concen: 54.564 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

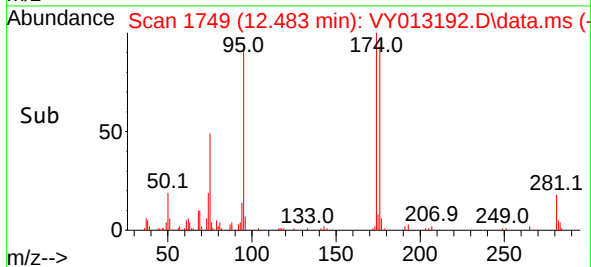
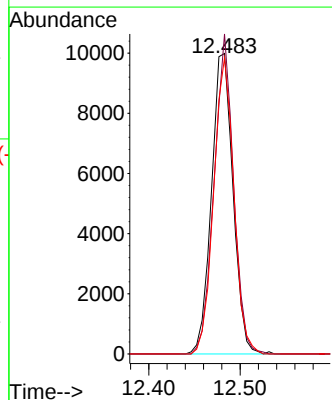
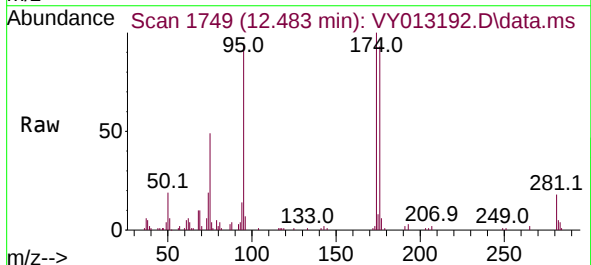
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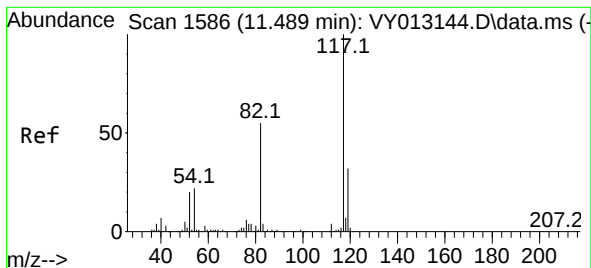
Tgt Ion: 98 Resp: 52569
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 52.082 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Tgt Ion: 95 Resp: 16333
Ion Ratio Lower Upper
95 100
174 96.0 0.0 176.6
176 92.5 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013192.D

Acq: 04 Apr 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-033123RE

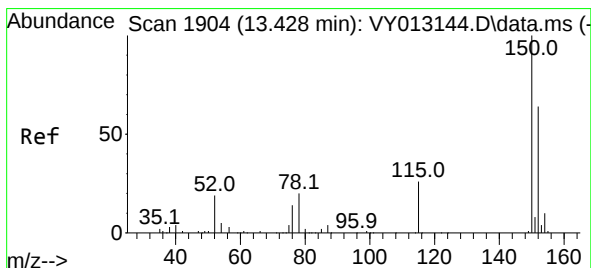
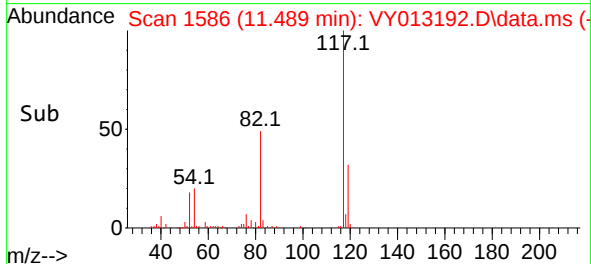
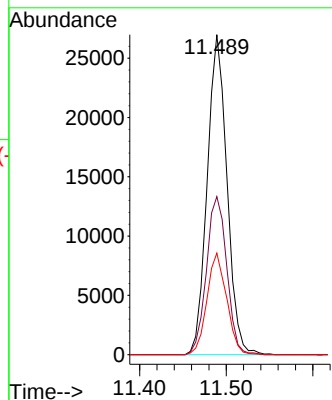
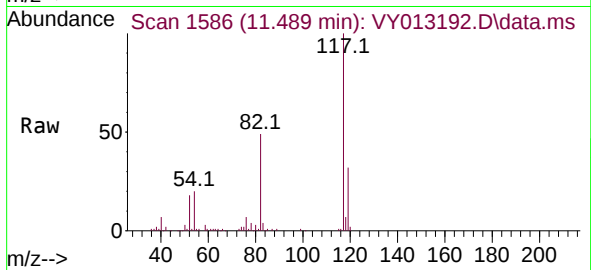
Tgt Ion:117 Resp: 42763

Ion Ratio Lower Upper

117 100

82 49.4 45.4 68.0

119 31.8 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: VY013192.D

Acq: 04 Apr 2023 16:18

Tgt Ion:152 Resp: 19405

Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.3

150 155.0 0.0 347.8

