

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013472.D
 Acq On : 26 Apr 2023 14:43
 Operator : KP/MD
 Sample : 02401-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230318-31-4

Quant Time: Apr 27 01:33:19 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)

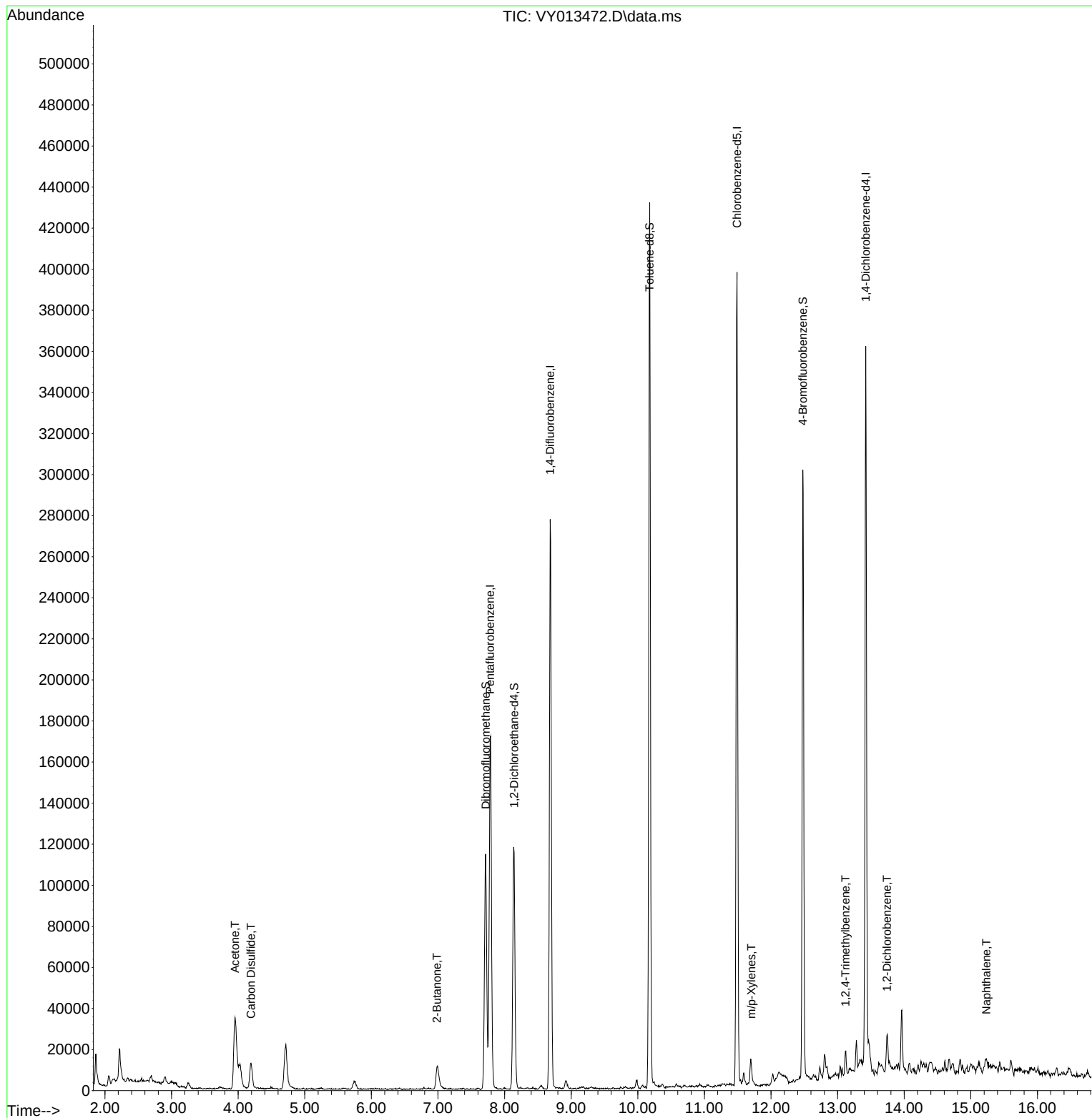
Internal Standards						
1) Pentafluorobenzene	7.783	168	124977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	215944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	201201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	81728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	93827	68.486	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.980%	
35) Dibromofluoromethane	7.716	113	77482	57.048	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.100%	
50) Toluene-d8	10.179	98	272921	56.486	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.980%	
62) 4-Bromofluorobenzene	12.477	95	86233	52.941	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.880%	
Target Compounds						
						Qvalue
16) Acetone	3.954	43	81085	150.289	ug/l	98
17) Carbon Disulfide	4.192	76	24610	5.833	ug/l	98
25) 2-Butanone	6.984	43	22015	32.174	ug/l #	87
68) m/p-Xylenes	11.703	106	3135	1.071	ug/l	89
84) 1,2,4-Trimethylbenzene	13.117	105	6112	1.246	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	2761	1.071	ug/l #	62
95) Naphthalene	15.233	128	4359	1.308	ug/l #	83

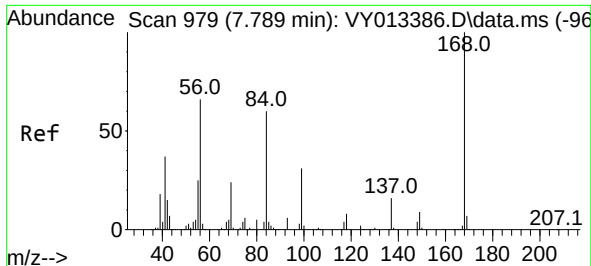
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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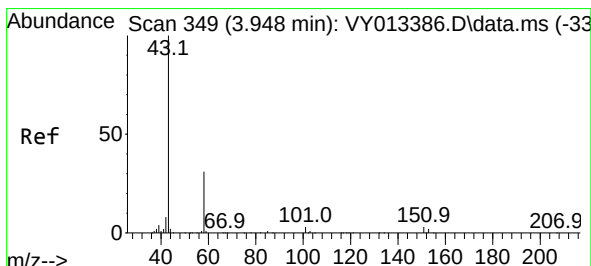
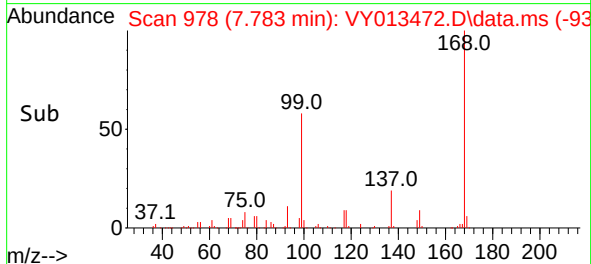
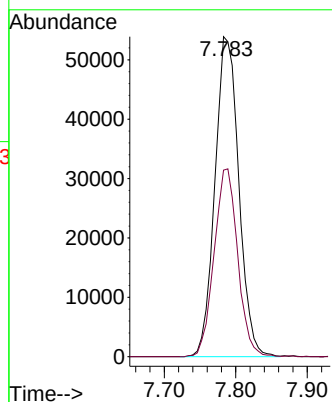
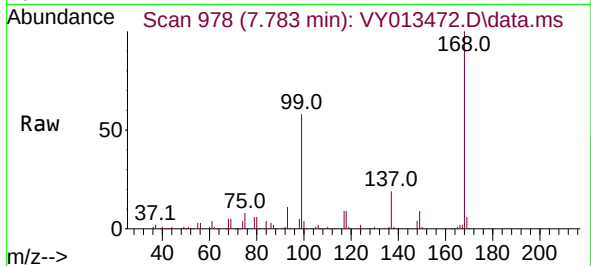




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013472.D
Acq: 26 Apr 2023 14:43

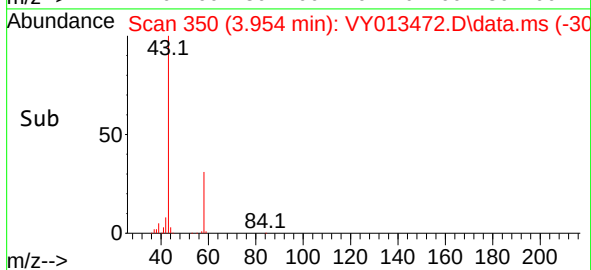
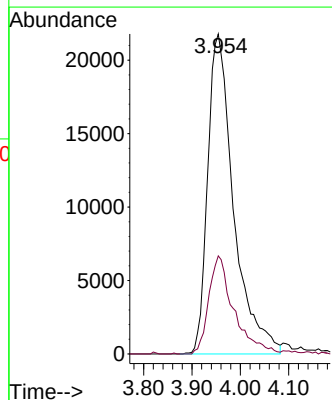
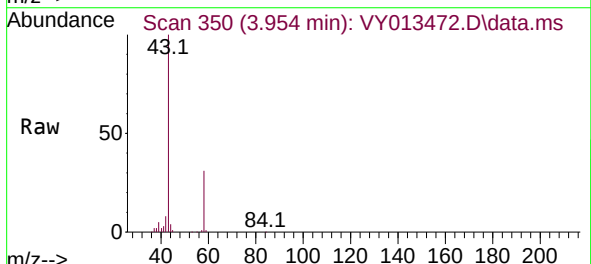
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4

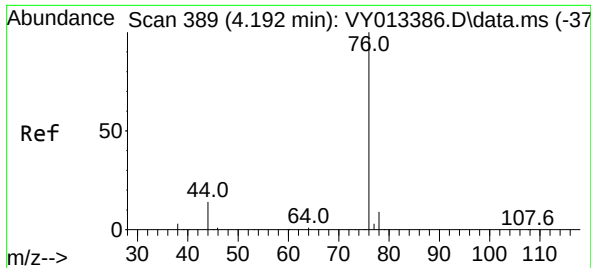
Tgt Ion:168 Resp: 124977
Ion Ratio Lower Upper
168 100
99 58.3 41.8 62.6



#16
Acetone
Concen: 150.289 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013472.D
Acq: 26 Apr 2023 14:43

Tgt Ion: 43 Resp: 81085
Ion Ratio Lower Upper
43 100
58 30.7 25.4 38.0

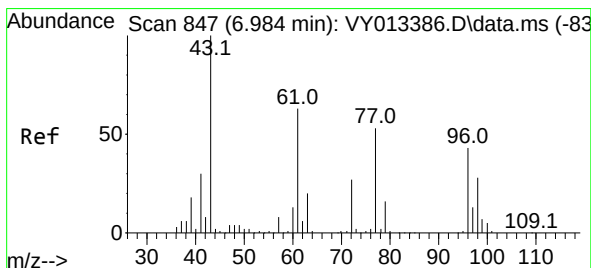
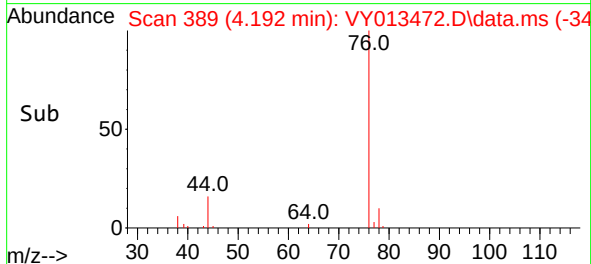
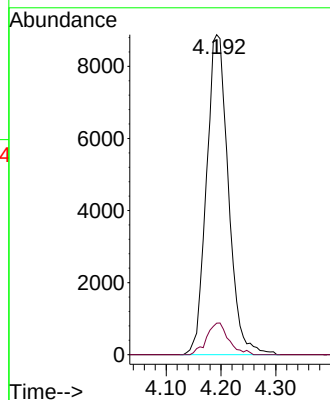
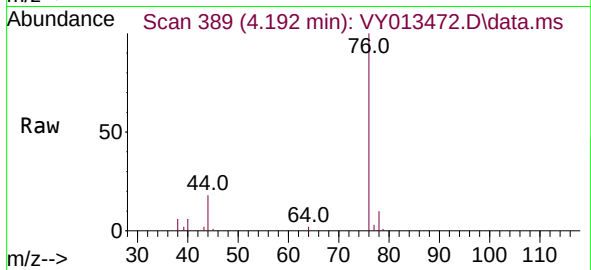




#17
Carbon Disulfide
Concen: 5.833 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY013472.D
Acq: 26 Apr 2023 14:43

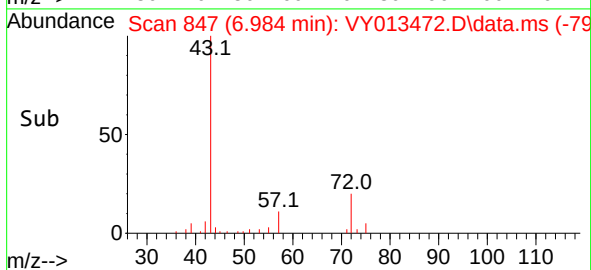
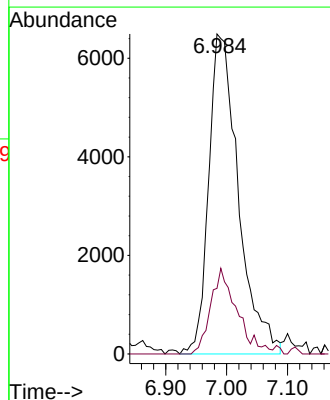
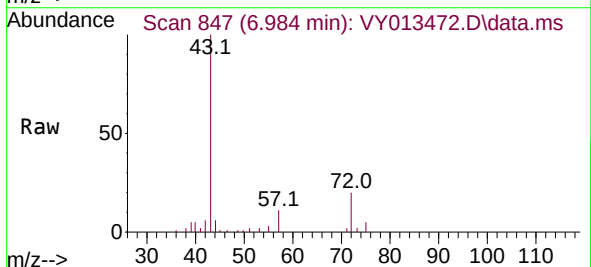
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4

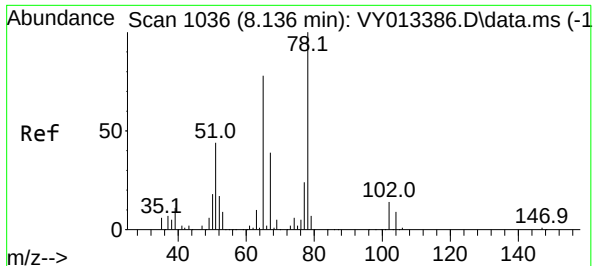
Tgt Ion: 76 Resp: 24610
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8



#25
2-Butanone
Concen: 32.174 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY013472.D
Acq: 26 Apr 2023 14:43

Tgt Ion: 43 Resp: 22015
Ion Ratio Lower Upper
43 100
72 20.5 21.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 68.486 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY013472.D

Acq: 26 Apr 2023 14:43

Instrument :

MSVOA_Y

ClientSampleId :

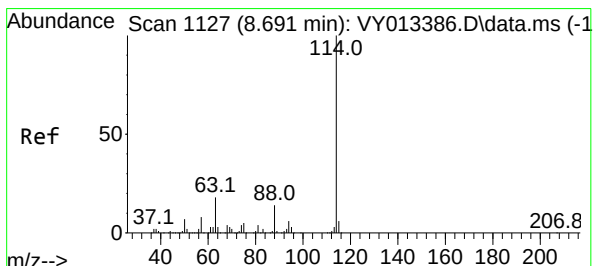
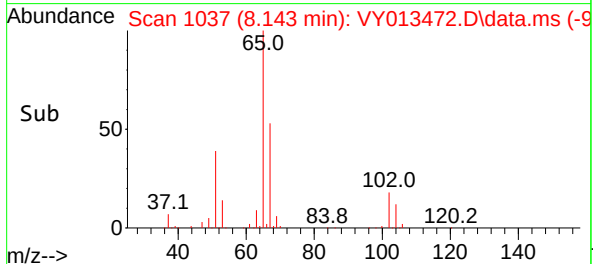
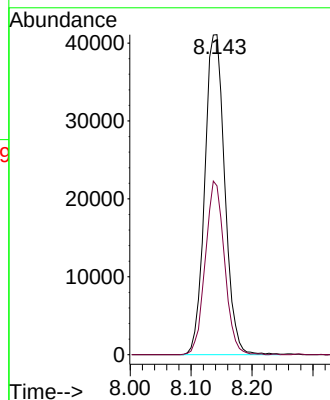
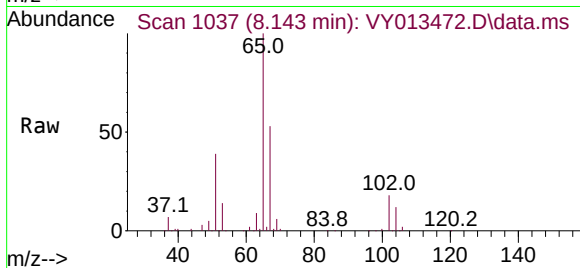
20230318-31-4

Tgt Ion: 65 Resp: 93827

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013472.D

Acq: 26 Apr 2023 14:43

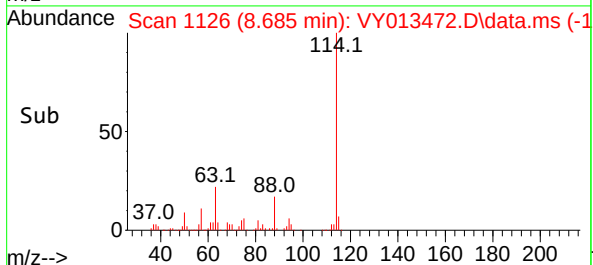
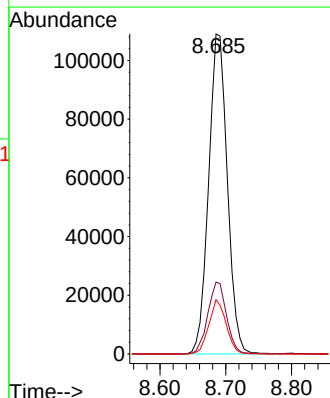
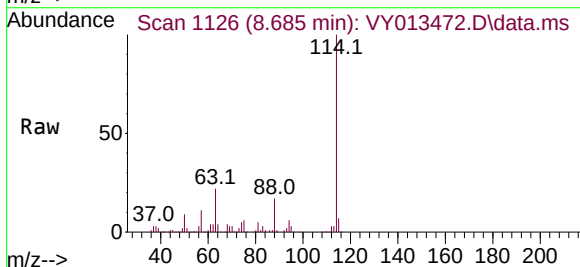
Tgt Ion: 114 Resp: 215944

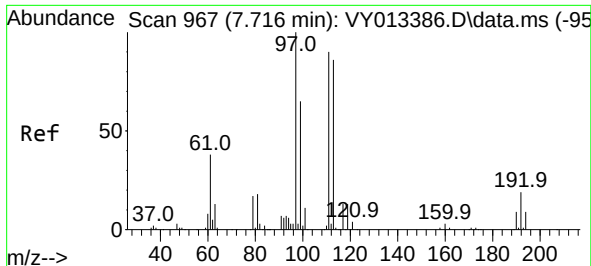
Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.6

88 17.0 0.0 28.8

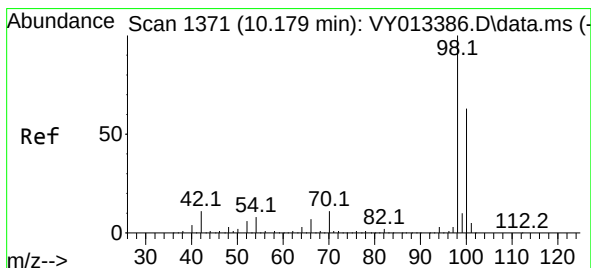
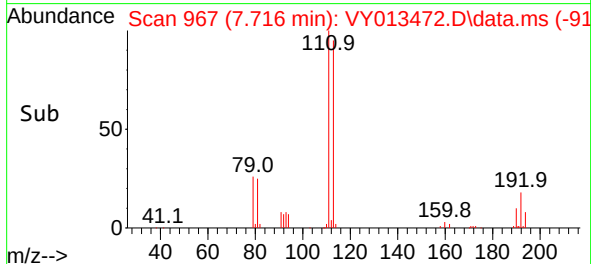
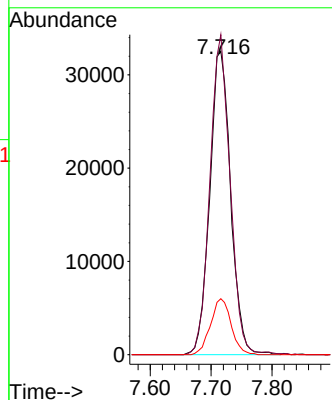
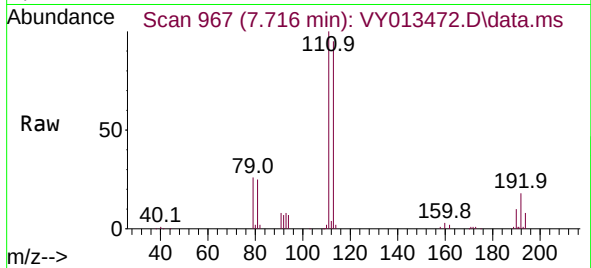




#35
Dibromofluoromethane
Concen: 57.048 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY013472.D
Acq: 26 Apr 2023 14:43

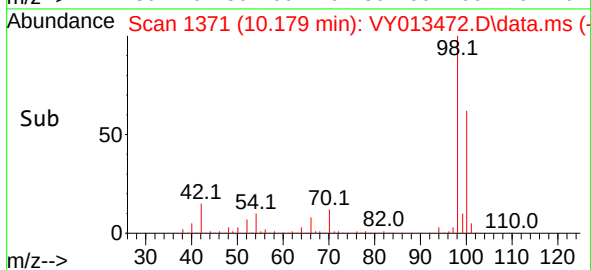
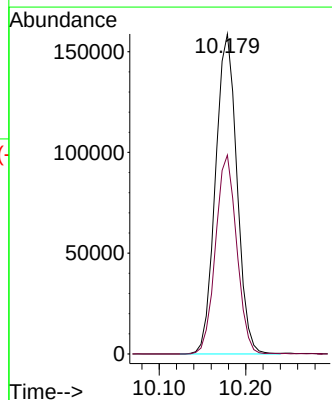
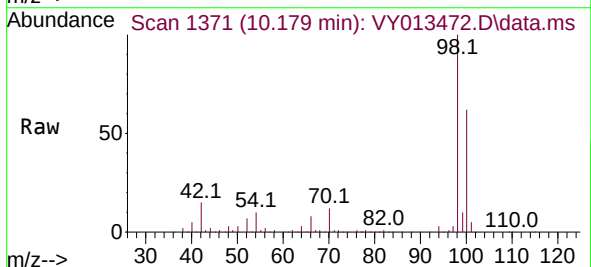
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20230318-31-4

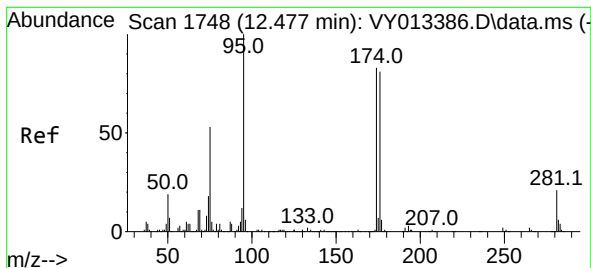
Tgt Ion:113 Resp: 77482
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 18.2 16.7 25.1



#50
Toluene-d8
Concen: 56.486 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013472.D
Acq: 26 Apr 2023 14:43

Tgt Ion: 98 Resp: 272921
Ion Ratio Lower Upper
98 100
100 61.2 50.5 75.7

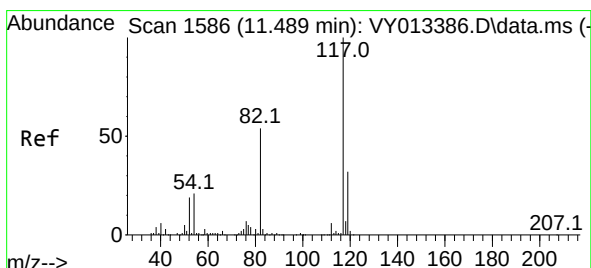
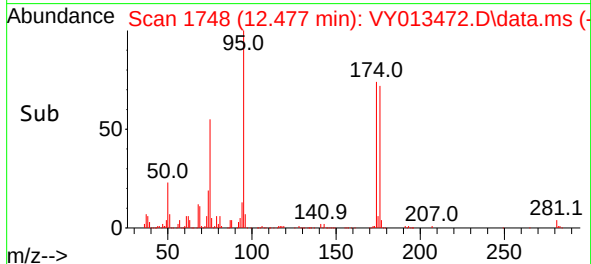
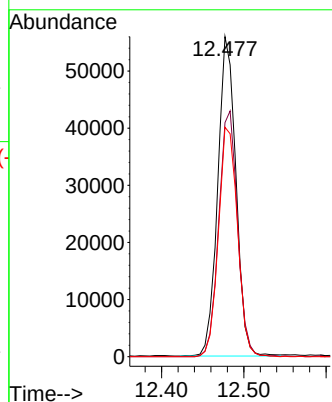
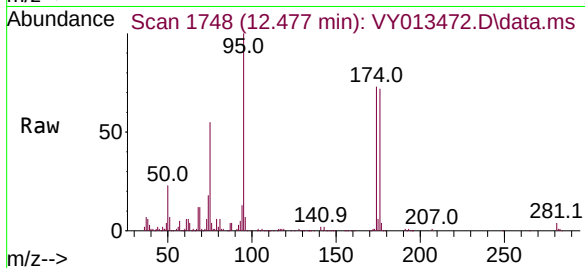




#62
4-Bromofluorobenzene
Concen: 52.941 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013472.D
Acq: 26 Apr 2023 14:43

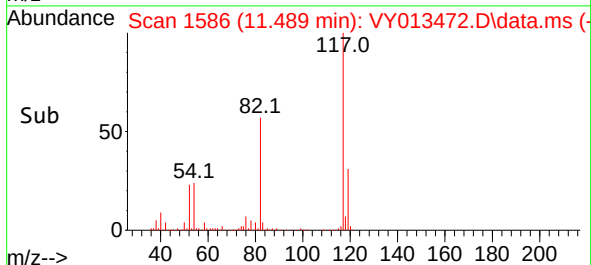
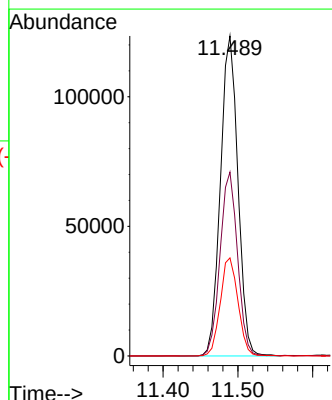
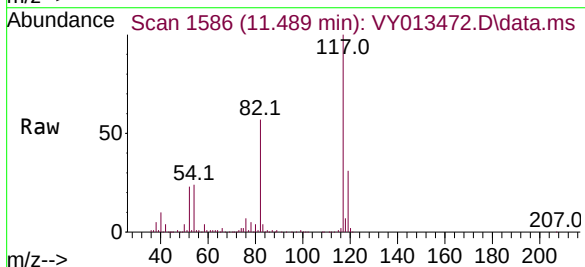
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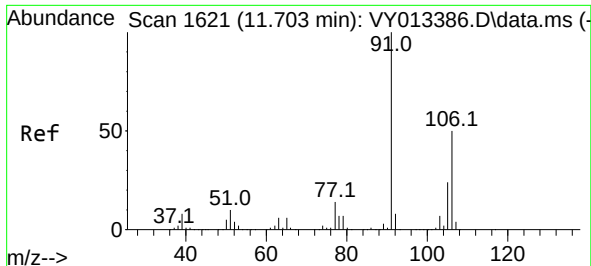
Tgt Ion: 95 Resp: 86233
Ion Ratio Lower Upper
95 100
174 79.2 0.0 182.0
176 75.1 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013472.D
Acq: 26 Apr 2023 14:43

Tgt Ion: 117 Resp: 201201
Ion Ratio Lower Upper
117 100
82 57.4 43.0 64.6
119 30.6 25.5 38.3

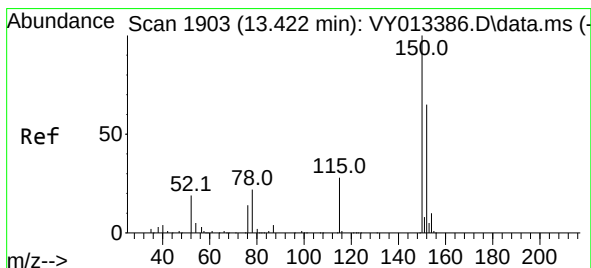
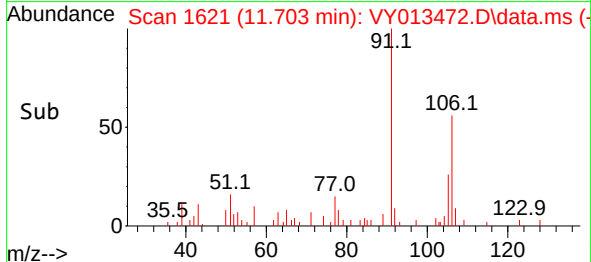
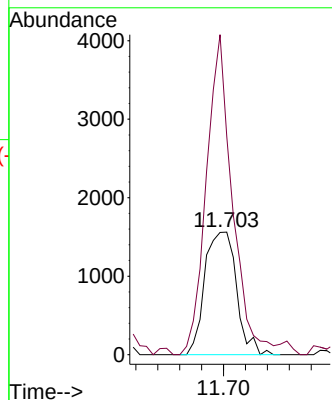
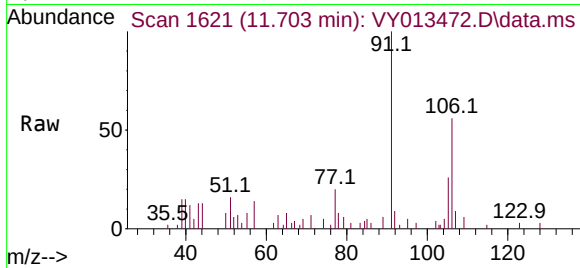




#68
m/p-Xylenes
Concen: 1.071 ug/l
RT: 11.703 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013472.D
Acq: 26 Apr 2023 14:43

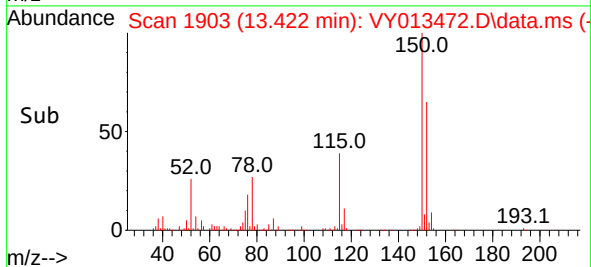
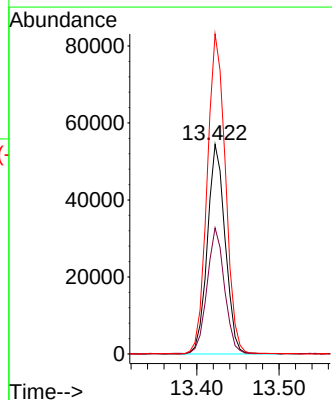
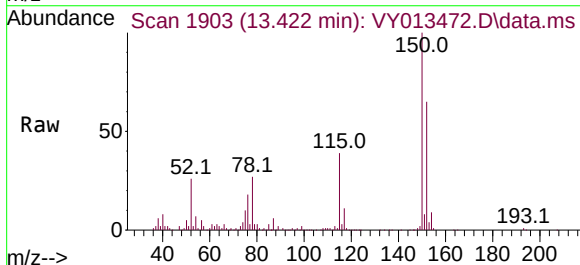
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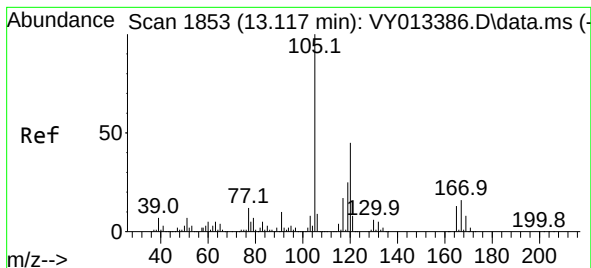
Tgt Ion:106 Resp: 3135
Ion Ratio Lower Upper
106 100
91 218.0 160.9 241.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013472.D
Acq: 26 Apr 2023 14:43

Tgt Ion:152 Resp: 81728
Ion Ratio Lower Upper
152 100
115 59.4 28.1 84.2
150 157.6 0.0 352.0





#84

1,2,4-Trimethylbenzene

Concen: 1.246 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013472.D

Acq: 26 Apr 2023 14:43

Instrument :

MSVOA_Y

ClientSampleId :

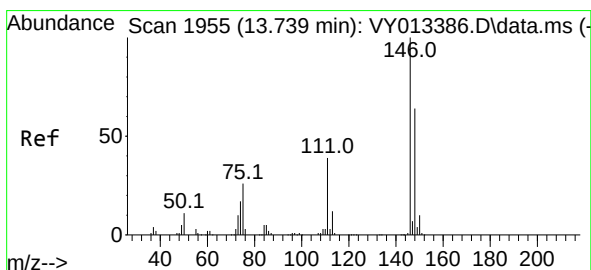
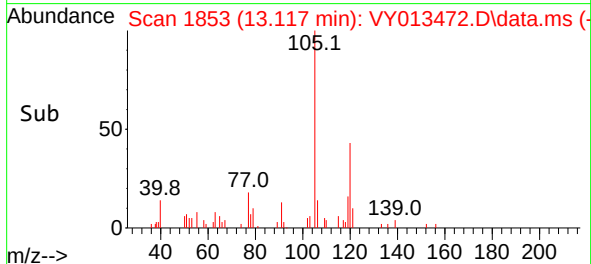
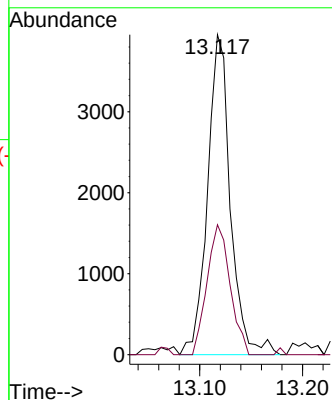
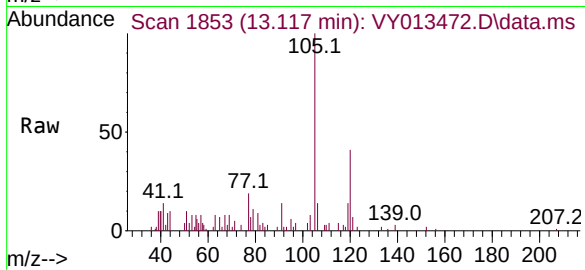
20230318-31-4

Tgt Ion:105 Resp: 6112

Ion Ratio Lower Upper

105 100

120 41.0 22.3 66.9



#91

1,2-Dichlorobenzene

Concen: 1.071 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013472.D

Acq: 26 Apr 2023 14:43

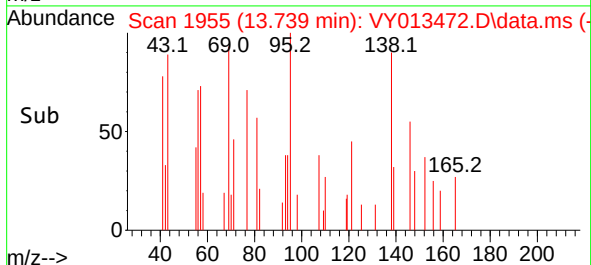
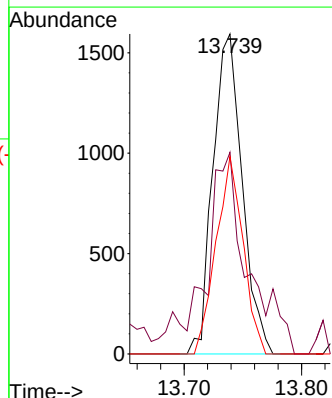
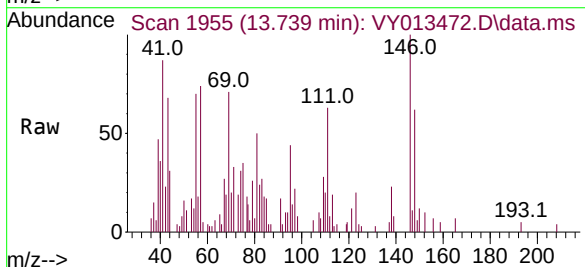
Tgt Ion:146 Resp: 2761

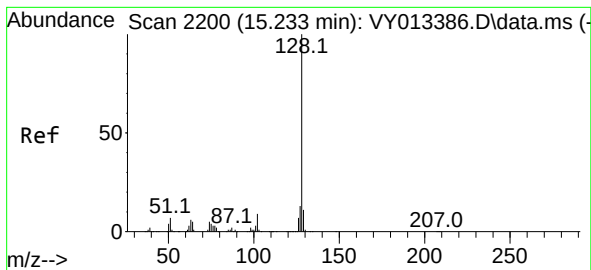
Ion Ratio Lower Upper

146 100

111 92.3 19.8 59.4#

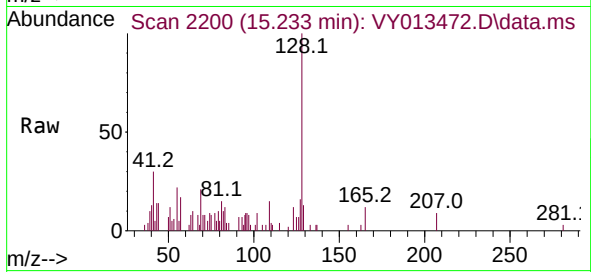
148 56.9 31.8 95.4





#95
Naphthalene
Concen: 1.308 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013472.D
Acq: 26 Apr 2023 14:43

Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4



Tgt Ion:128 Resp: 4359
Ion Ratio Lower Upper
128 100
127 21.7 10.7 16.1#
129 15.3 8.8 13.2#

