

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012588.D
 Acq On : 14 Feb 2023 14:57
 Operator : KP/MD
 Sample : 01538-13
 Misc : 6.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-GRAB-36

Quant Time: Feb 15 01:28:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

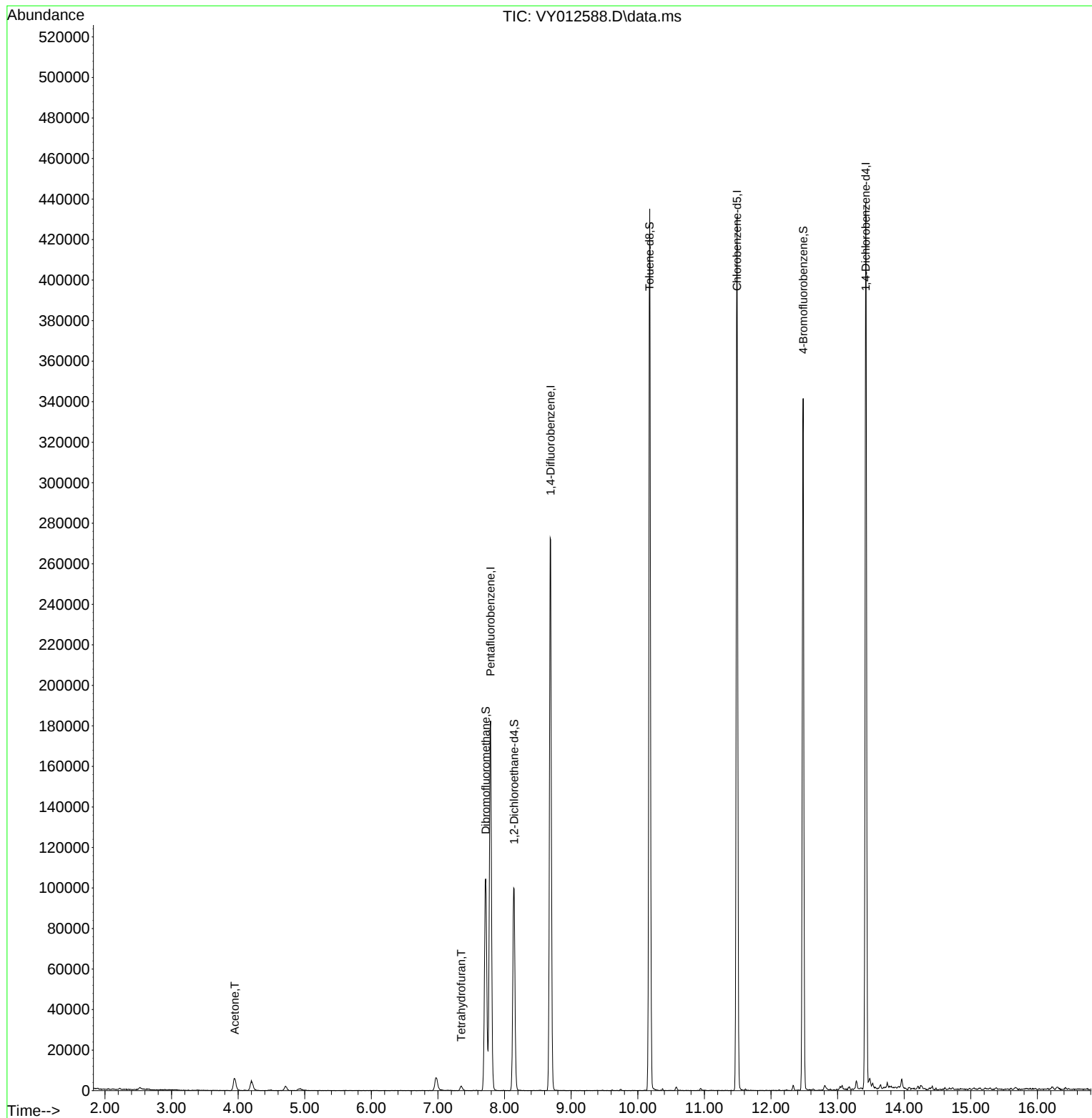
Internal Standards						
1) Pentafluorobenzene	7.789	168	147695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	244941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	242695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	119117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	87442	46.558	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.120%
35) Dibromofluoromethane	7.716	113	72124	40.433	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.860%
50) Toluene-d8	10.179	98	291324	39.237	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.480%
62) 4-Bromofluorobenzene	12.483	95	100309	38.733	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.460%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	11143	24.651	ug/l	95
29) Tetrahydrofuran	7.350	42	1484	5.473	ug/l	91

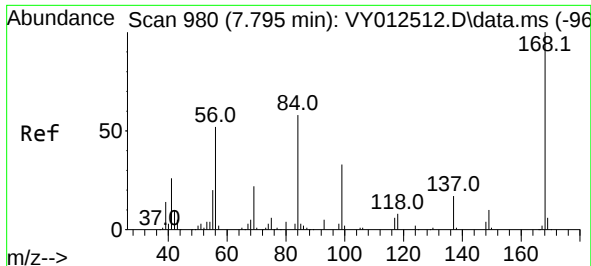
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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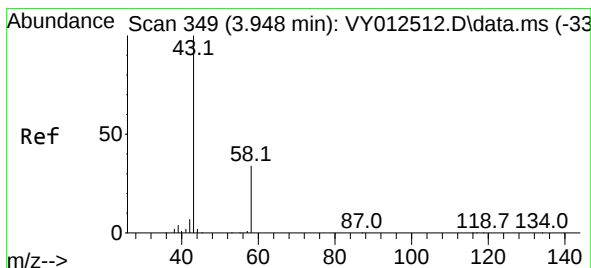
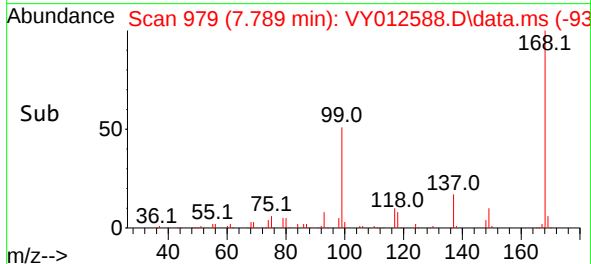
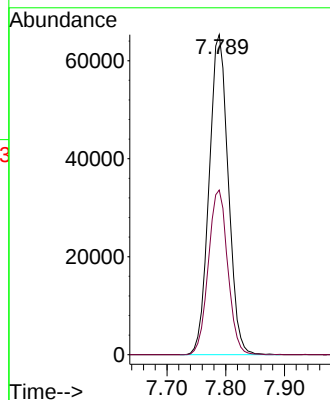
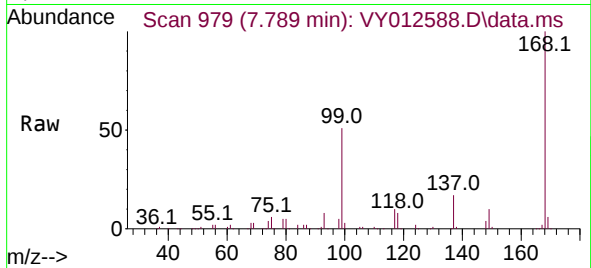




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012588.D
Acq: 14 Feb 2023 14:57

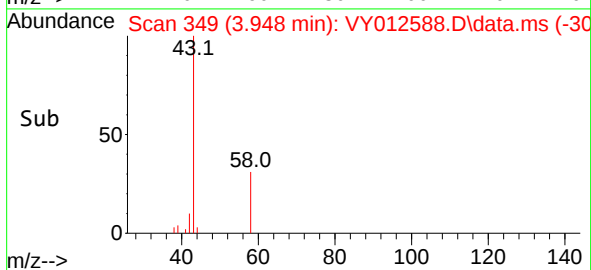
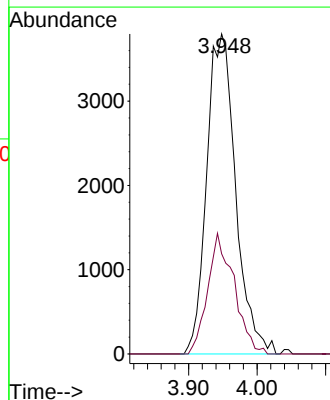
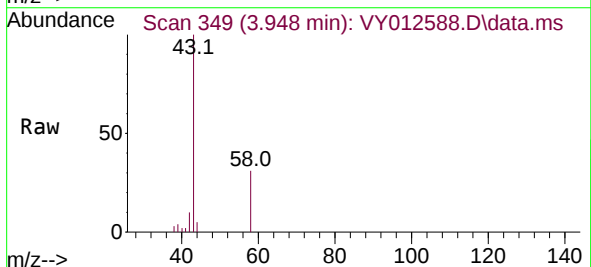
Instrument :
MSVOA_Y
ClientSampleId :
VOC-GRAB-36

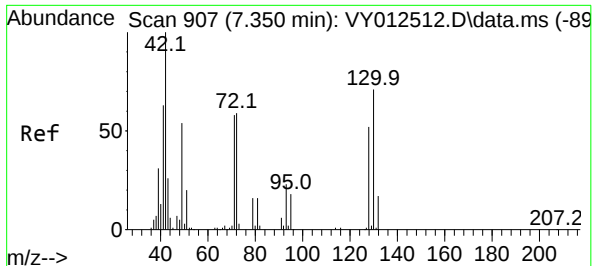
Tgt Ion:168 Resp: 147695
Ion Ratio Lower Upper
168 100
99 51.4 40.8 61.2



#16
Acetone
Concen: 24.651 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012588.D
Acq: 14 Feb 2023 14:57

Tgt Ion: 43 Resp: 11143
Ion Ratio Lower Upper
43 100
58 31.3 27.1 40.7





#29

Tetrahydrofuran

Concen: 5.473 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY012588.D

Acq: 14 Feb 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

VOC-GRAB-36

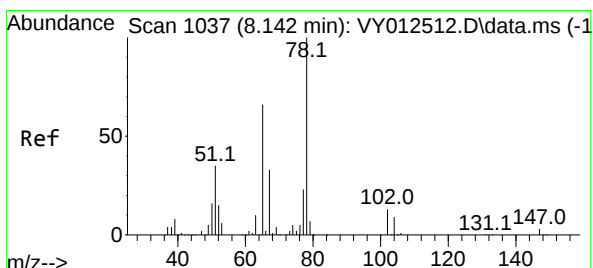
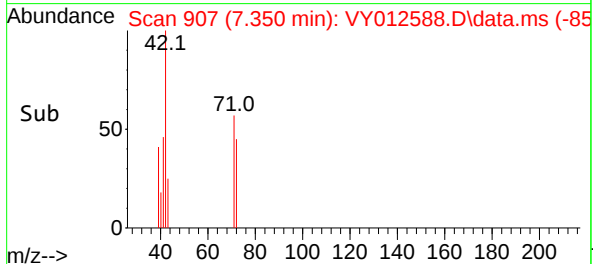
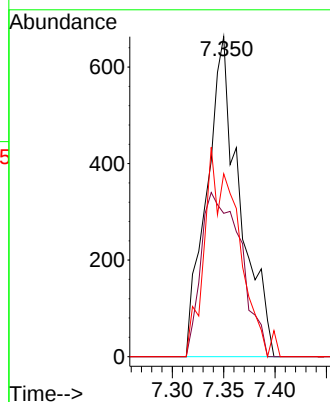
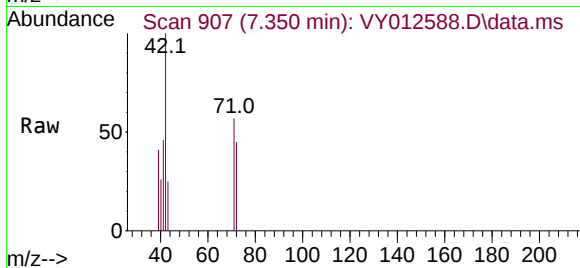
Tgt Ion: 42 Resp: 1484

Ion Ratio Lower Upper

42 100

72 61.9 47.0 70.6

71 66.4 44.6 66.8



#33

1,2-Dichloroethane-d4

Concen: 46.558 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY012588.D

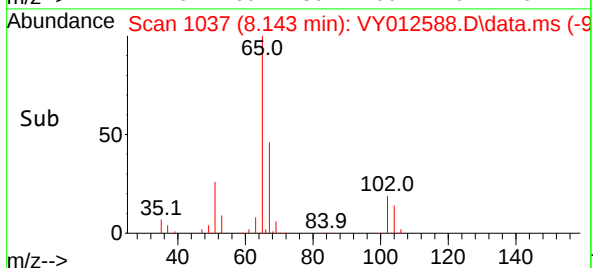
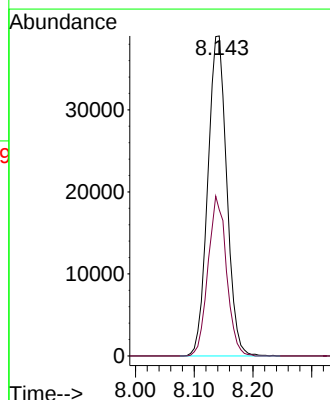
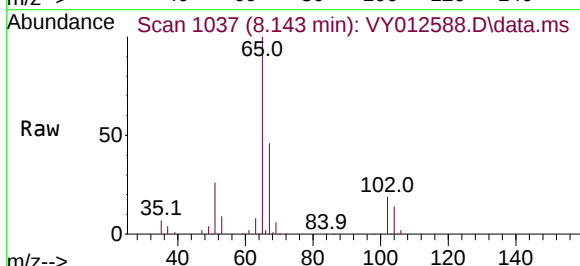
Acq: 14 Feb 2023 14:57

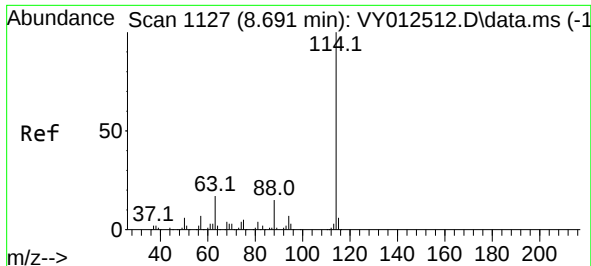
Tgt Ion: 65 Resp: 87442

Ion Ratio Lower Upper

65 100

67 48.5 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012588.D

Acq: 14 Feb 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

VOC-GRAB-36

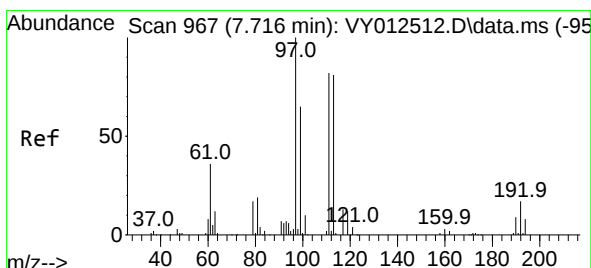
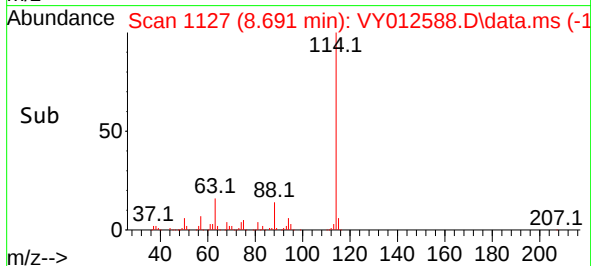
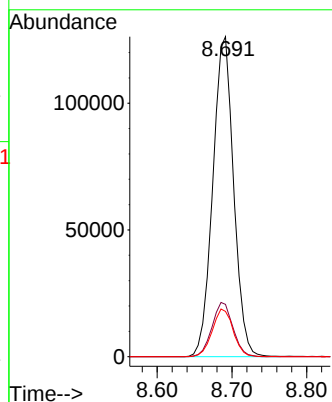
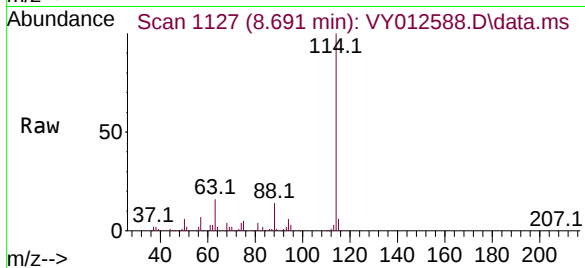
Tgt Ion:114 Resp: 244941

Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.6

88 14.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.433 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012588.D

Acq: 14 Feb 2023 14:57

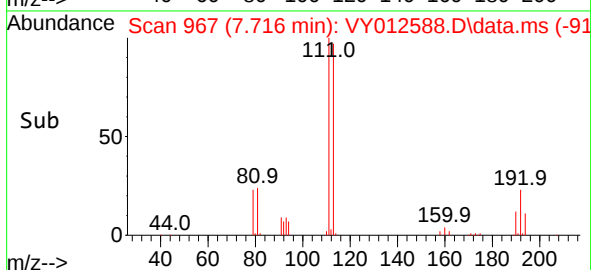
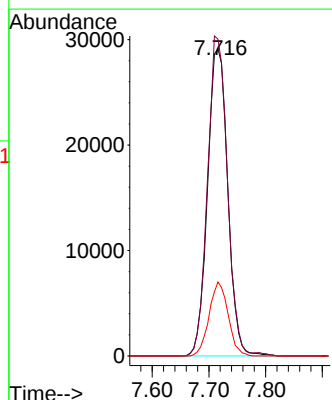
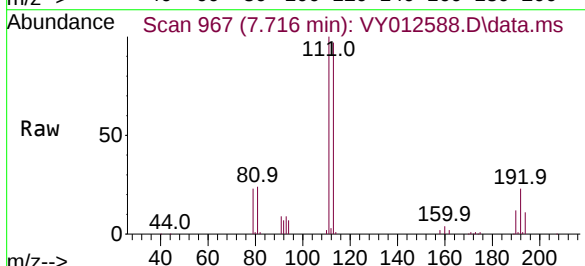
Tgt Ion:113 Resp: 72124

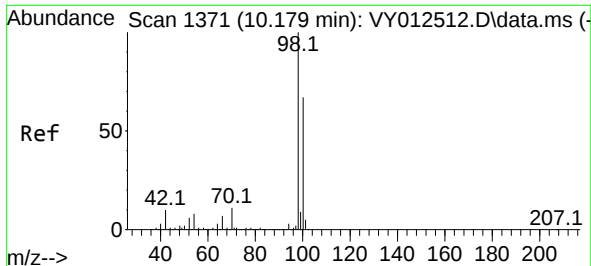
Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 22.7 17.5 26.3

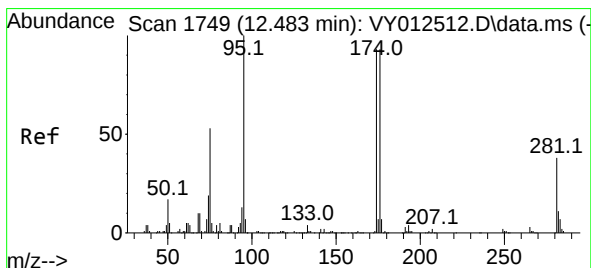
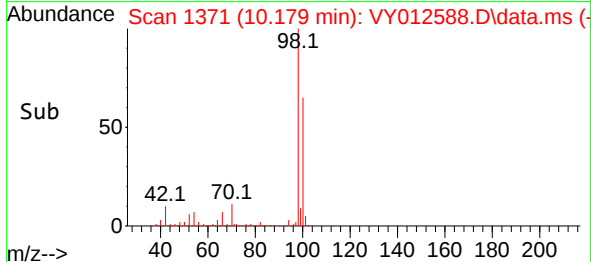
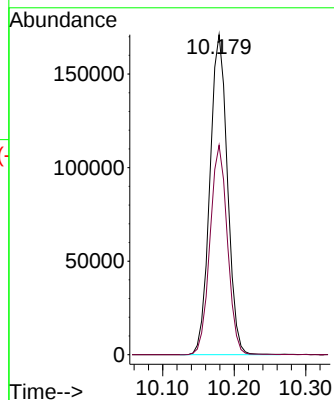
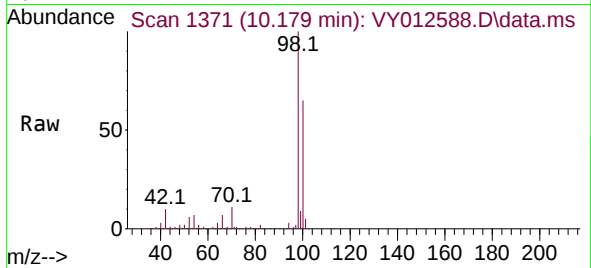




#50
Toluene-d8
Concen: 39.237 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012588.D
Acq: 14 Feb 2023 14:57

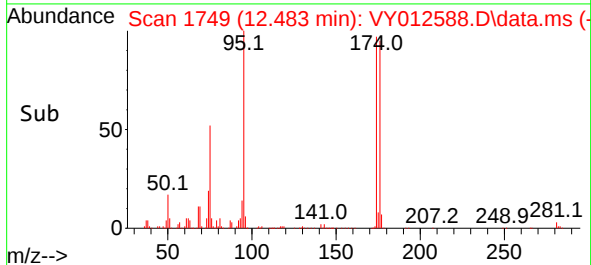
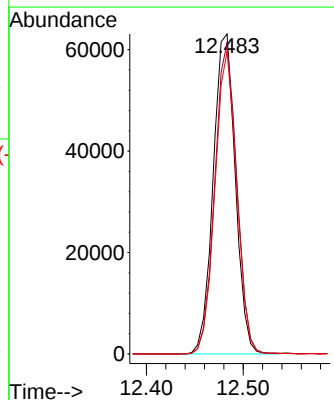
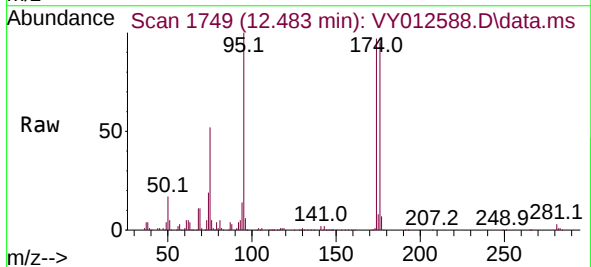
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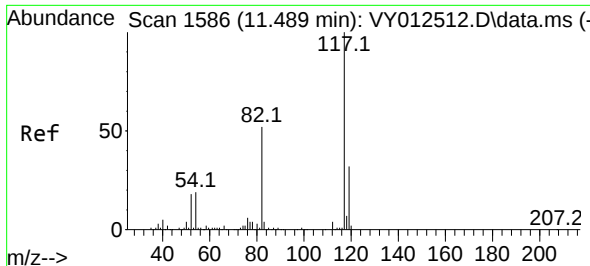
Tgt Ion: 98 Resp: 291324
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 38.733 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012588.D
Acq: 14 Feb 2023 14:57

Tgt Ion: 95 Resp: 100309
Ion Ratio Lower Upper
95 100
174 96.5 0.0 188.0
176 92.7 0.0 183.6

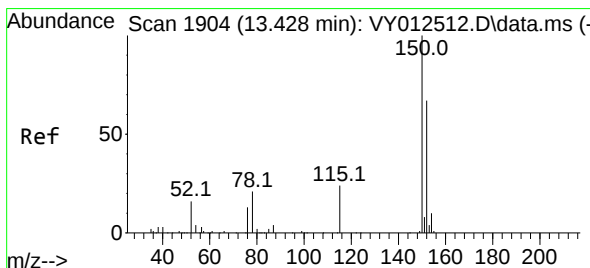
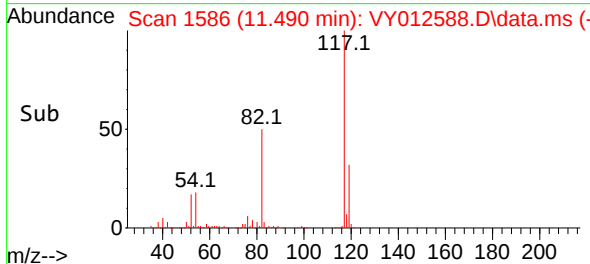
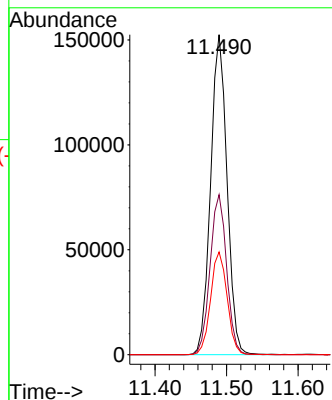
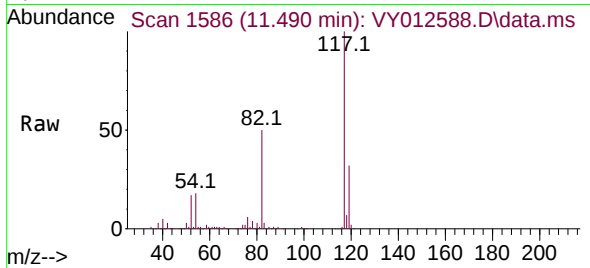




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012588.D
Acq: 14 Feb 2023 14:57

Instrument :
MSVOA_Y
ClientSampleId :
VOC-GRAB-36

Tgt Ion:117 Resp: 242695
Ion Ratio Lower Upper
117 100
82 50.0 41.7 62.5
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012588.D
Acq: 14 Feb 2023 14:57

Tgt Ion:152 Resp: 119117
Ion Ratio Lower Upper
152 100
115 56.5 28.1 84.3
150 157.7 0.0 351.0

