

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012587.D
 Acq On : 14 Feb 2023 14:34
 Operator : KP/MD
 Sample : 01538-07
 Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-32

Quant Time: Feb 15 01:28:11 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)

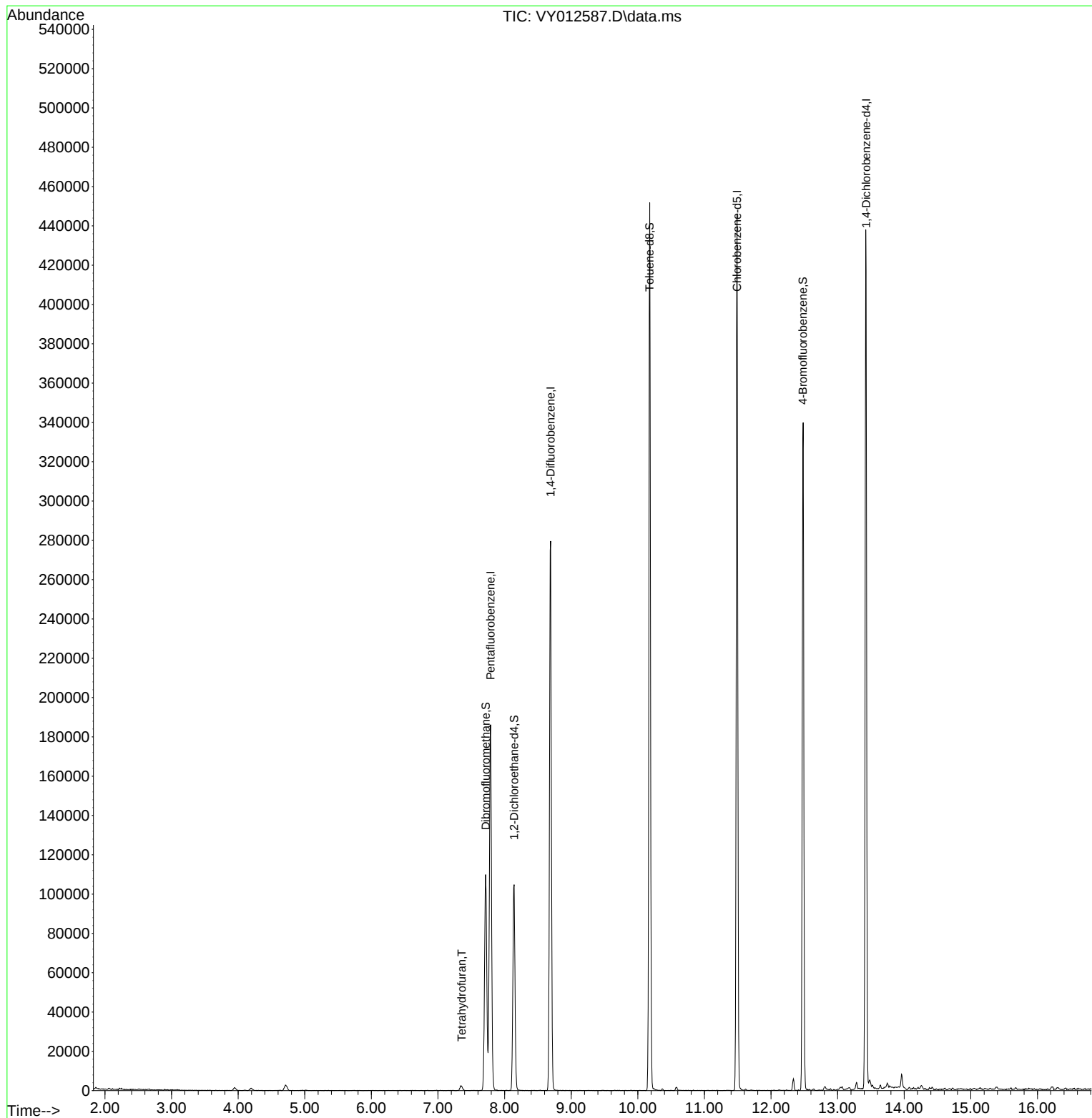
Internal Standards						
1) Pentafluorobenzene	7.789	168	149186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	249269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	248354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89221	47.031	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.060%
35) Dibromofluoromethane	7.716	113	74111	40.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.660%
50) Toluene-d8	10.179	98	296833	39.285	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.560%
62) 4-Bromofluorobenzene	12.477	95	101152	38.380	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.760%
Target Compounds						
29) Tetrahydrofuran	7.356	42	1734	6.331	ug/l	Qvalue # 85

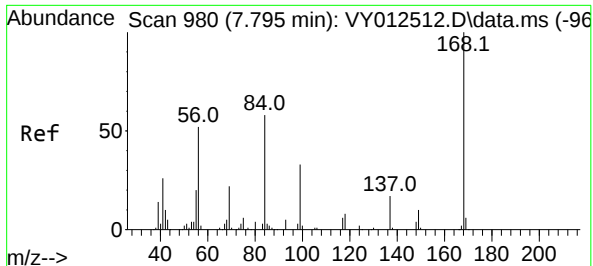
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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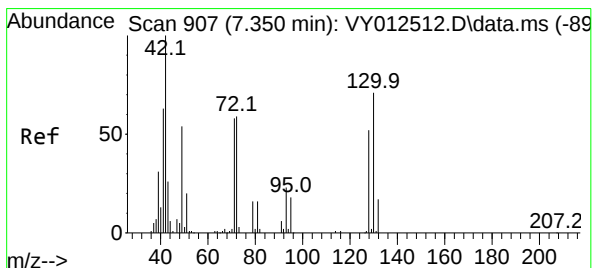
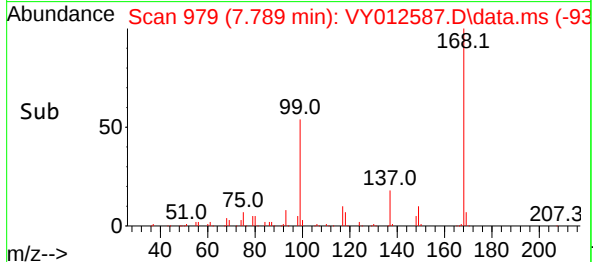
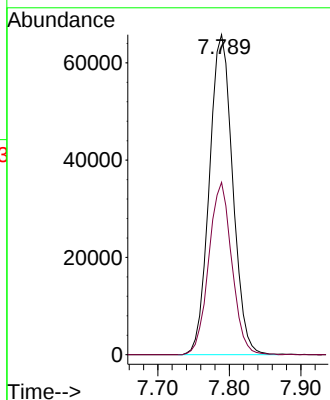
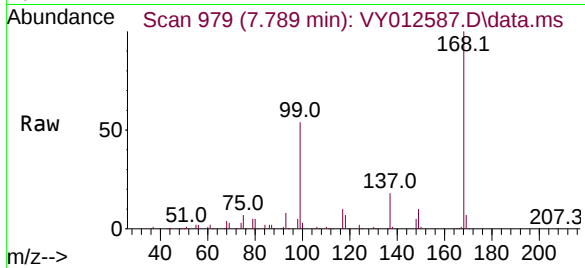




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012587.D
Acq: 14 Feb 2023 14:34

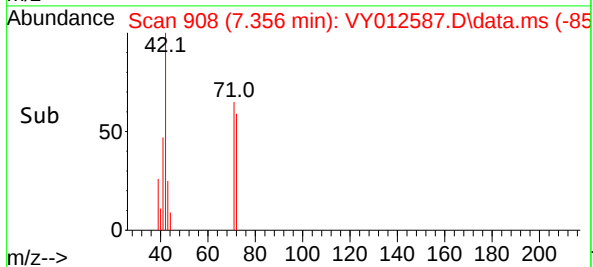
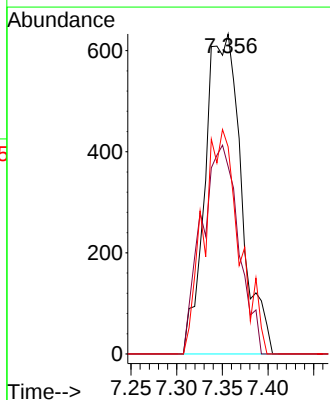
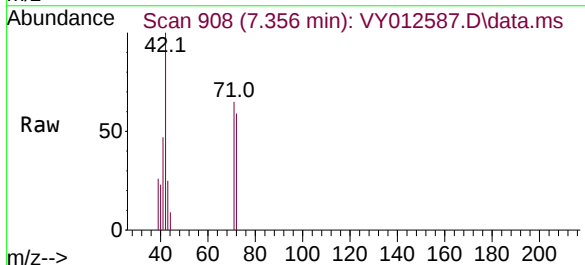
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-32

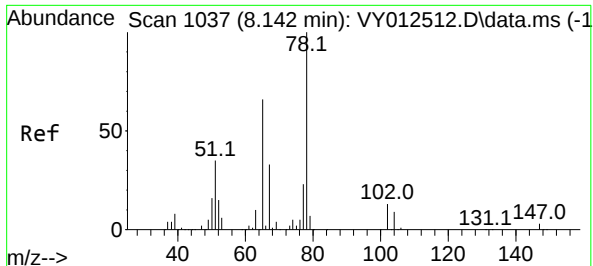
Tgt Ion:168 Resp: 149186
Ion Ratio Lower Upper
168 100
99 53.8 40.8 61.2



#29
Tetrahydrofuran
Concen: 6.331 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY012587.D
Acq: 14 Feb 2023 14:34

Tgt Ion: 42 Resp: 1734
Ion Ratio Lower Upper
42 100
72 67.2 47.0 70.6
71 69.6 44.6 66.8#





#33

1,2-Dichloroethane-d4

Concen: 47.031 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY012587.D

Acq: 14 Feb 2023 14:34

Instrument :

MSVOA_Y

ClientSampleId :

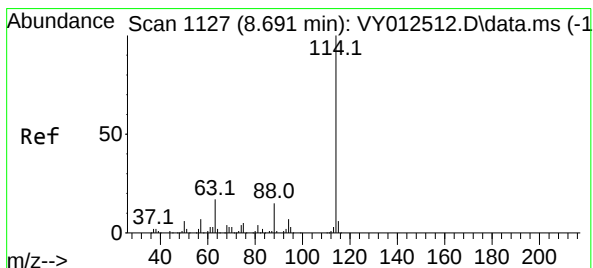
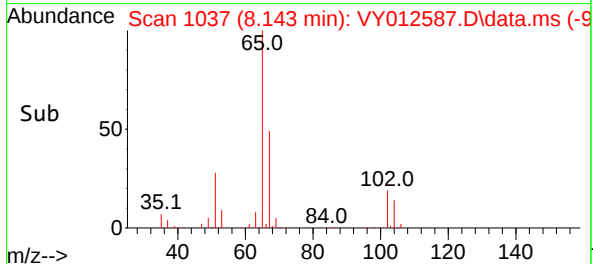
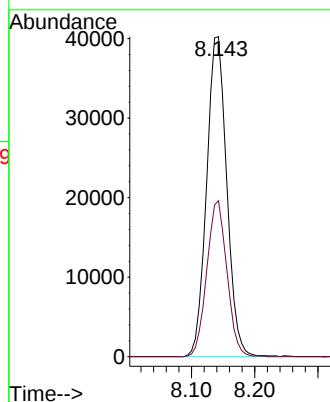
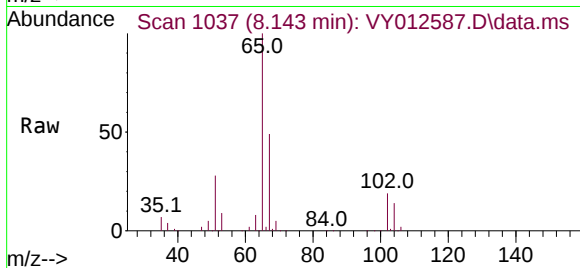
TOT-VOC-GRAB-32

Tgt Ion: 65 Resp: 89221

Ion Ratio Lower Upper

65 100

67 48.6 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: VY012587.D

Acq: 14 Feb 2023 14:34

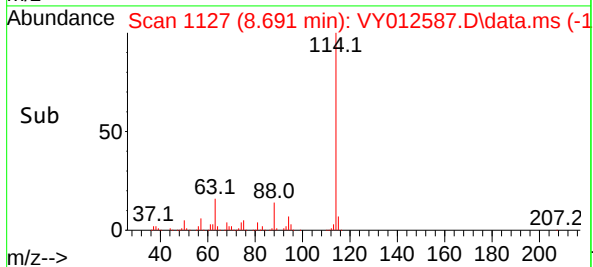
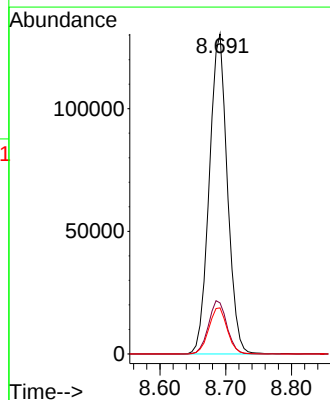
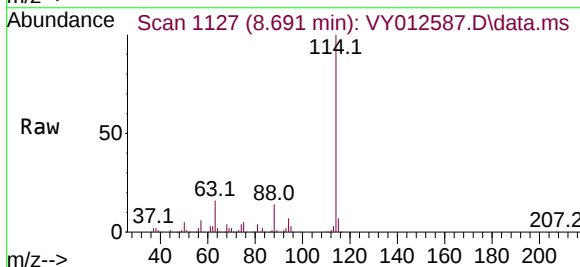
Tgt Ion: 114 Resp: 249269

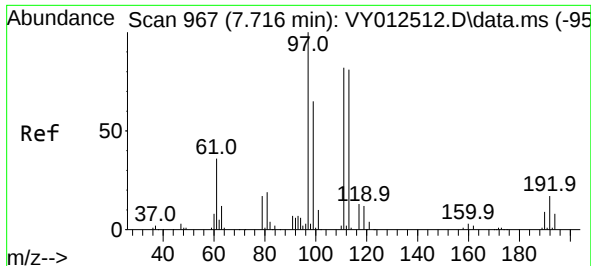
Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.6

88 14.4 0.0 29.8

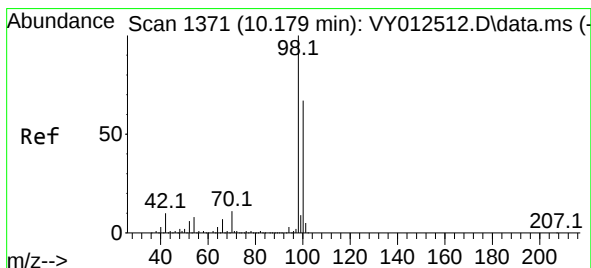
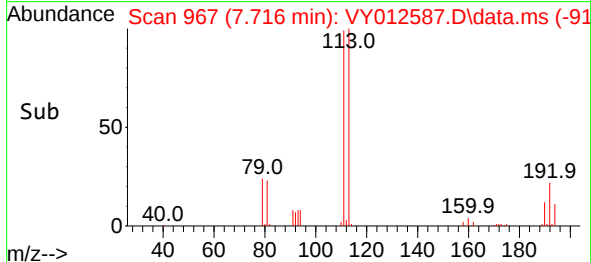
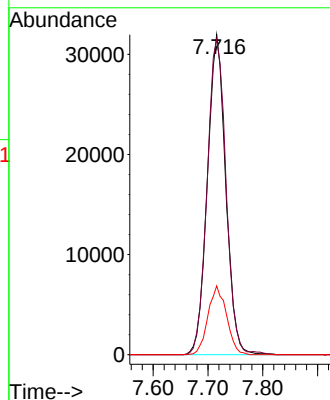
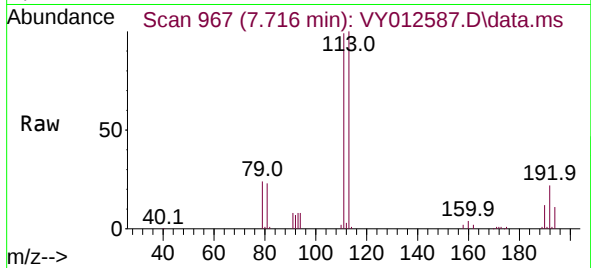




#35
Dibromofluoromethane
Concen: 40.825 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY012587.D
Acq: 14 Feb 2023 14:34

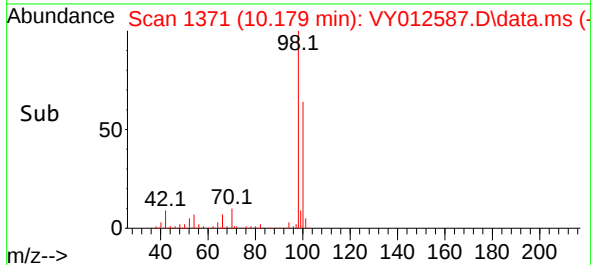
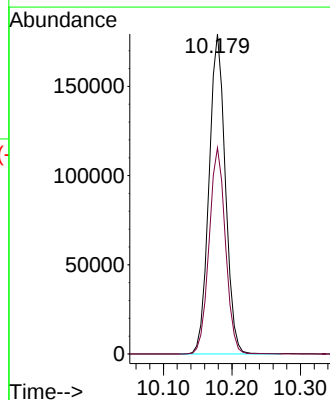
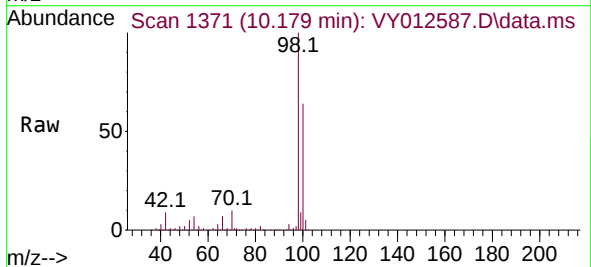
Instrument :
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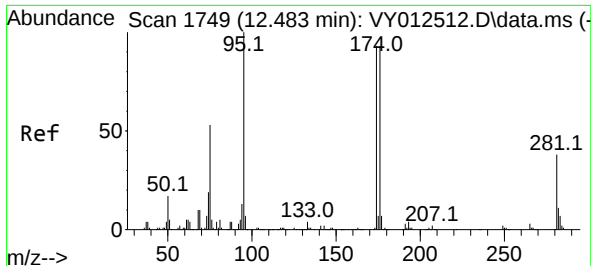
Tgt Ion:113 Resp: 74111
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 21.7 17.5 26.3



#50
Toluene-d8
Concen: 39.285 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012587.D
Acq: 14 Feb 2023 14:34

Tgt Ion: 98 Resp: 296833
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2

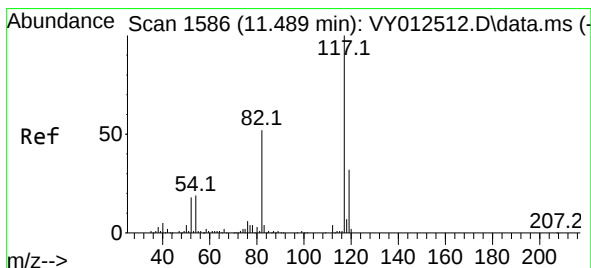
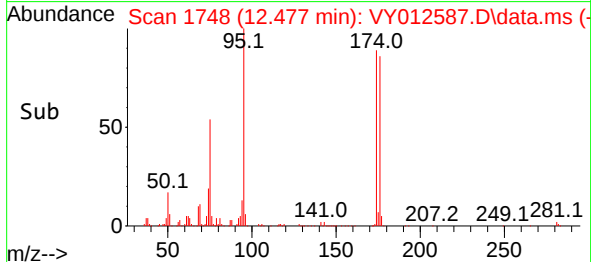
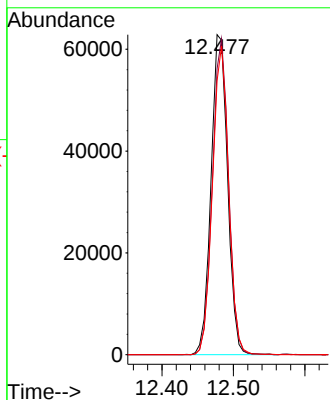
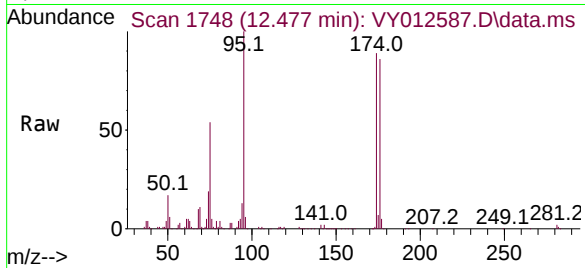




#62
4-Bromofluorobenzene
Concen: 38.380 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012587.D
Acq: 14 Feb 2023 14:34

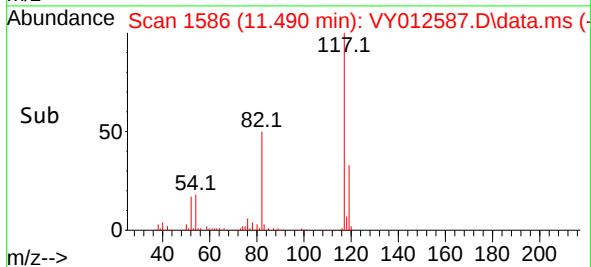
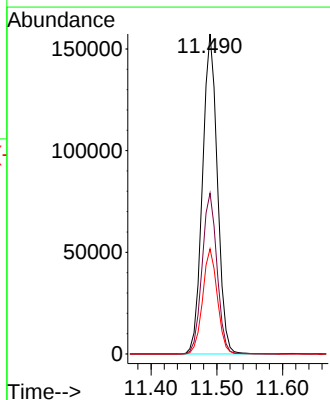
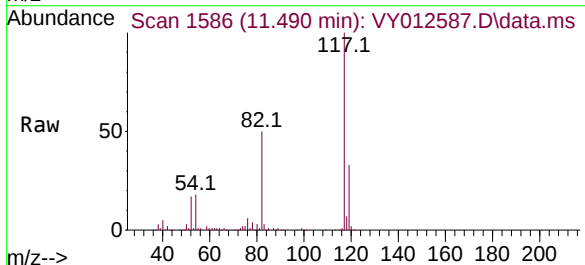
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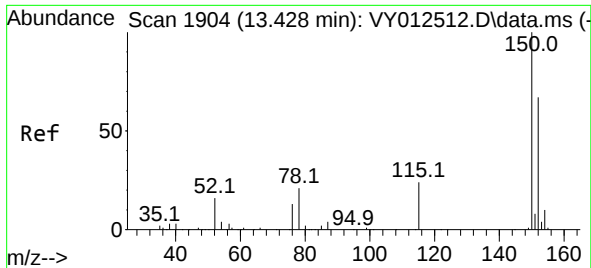
Tgt Ion: 95 Resp: 101152
Ion Ratio Lower Upper
95 100
174 96.5 0.0 188.0
176 94.2 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012587.D
Acq: 14 Feb 2023 14:34

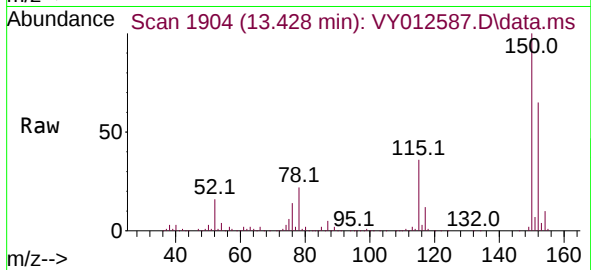
Tgt Ion: 117 Resp: 248354
Ion Ratio Lower Upper
117 100
82 50.2 41.7 62.5
119 32.9 25.8 38.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012587.D
 Acq: 14 Feb 2023 14:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-32



Tgt Ion:152 Resp: 119372
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.1 84.3
 150 155.3 0.0 351.0

