

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012585.D
 Acq On : 14 Feb 2023 13:47
 Operator : KP/MD
 Sample : 01539-16
 Misc : 2.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-64

Quant Time: Feb 15 01:27:11 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)

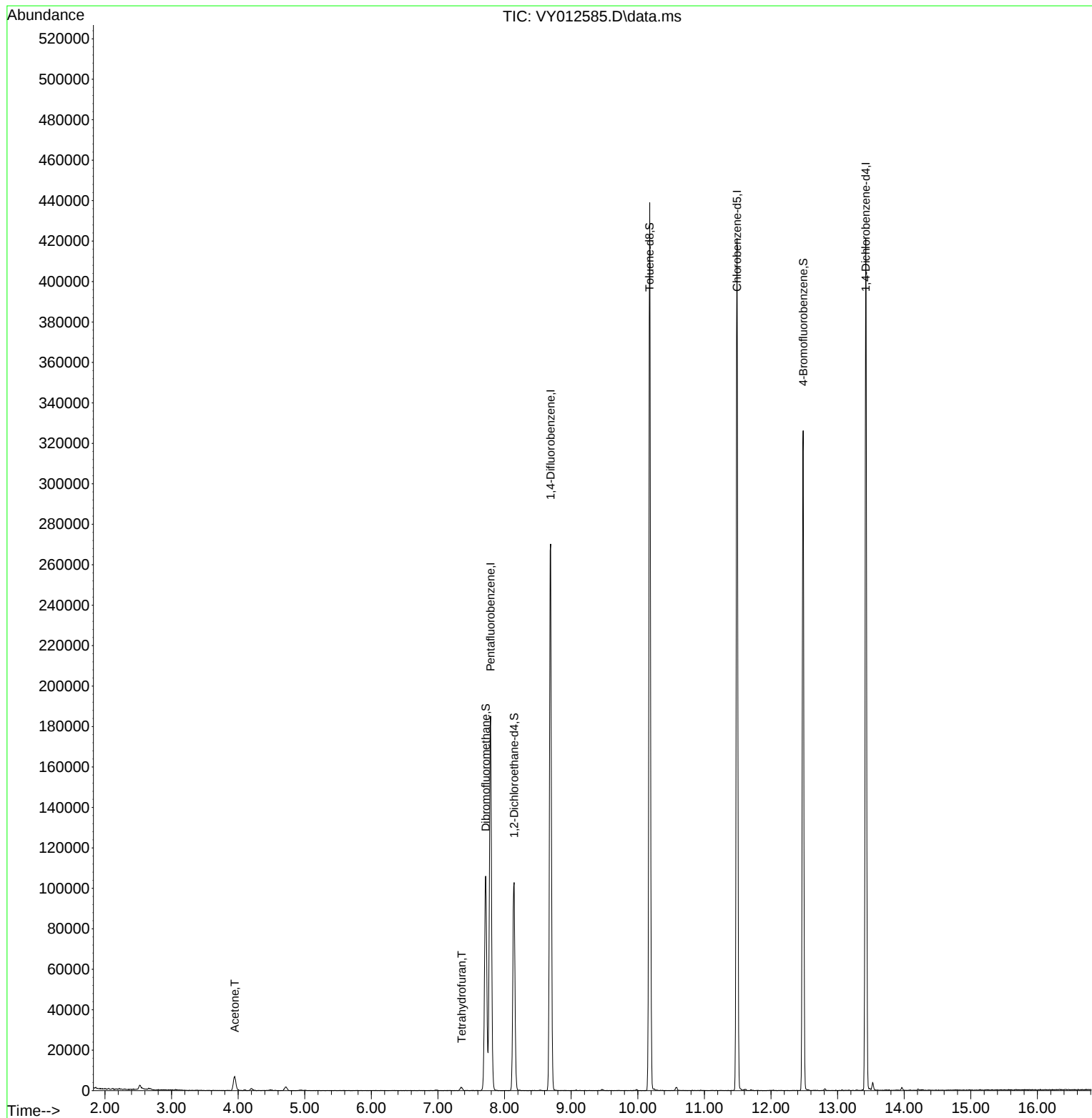
Internal Standards						
1) Pentafluorobenzene	7.789	168	147163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	244646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	241225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	114793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89535	47.845	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.680%		
35) Dibromofluoromethane	7.716	113	72283	40.571	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.140%		
50) Toluene-d8	10.179	98	289365	39.020	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.040%		
62) 4-Bromofluorobenzene	12.483	95	97301	37.617	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	75.240%		
Target Compounds						Qvalue
16) Acetone	3.948	43	12279	27.262	ug/l	97
29) Tetrahydrofuran	7.356	42	1084	4.012	ug/l	92

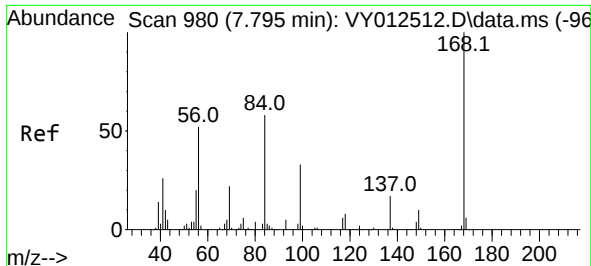
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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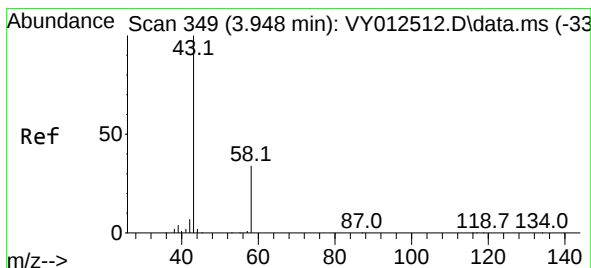
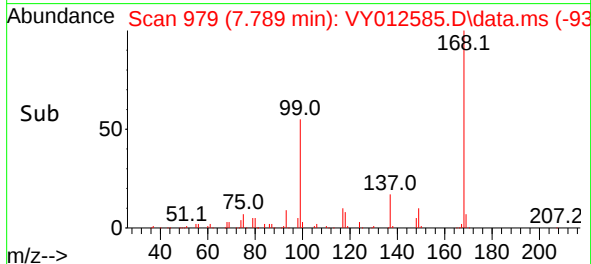
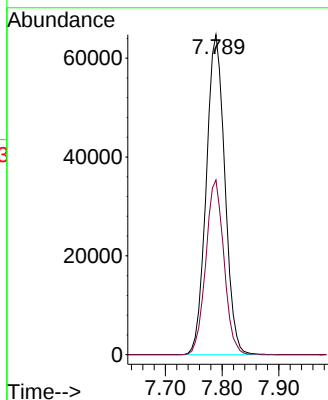
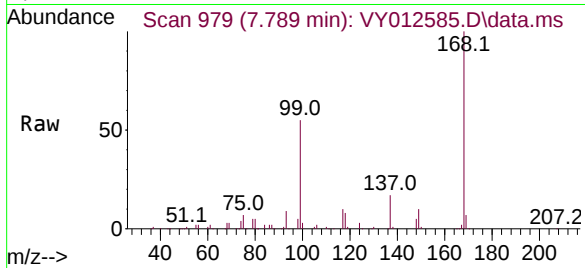




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

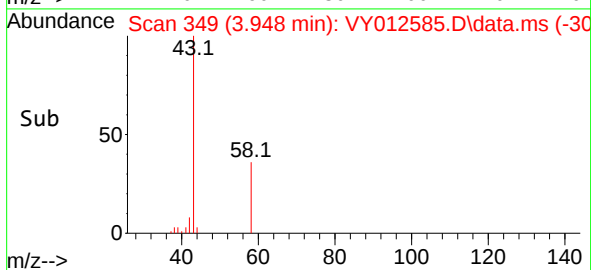
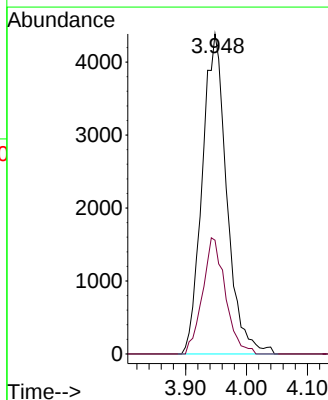
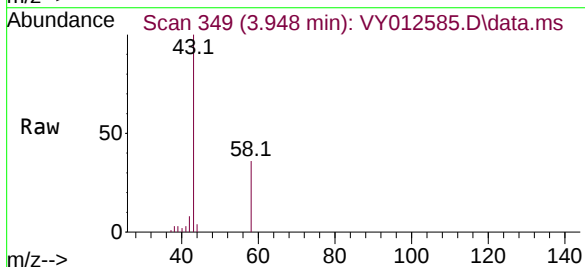
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

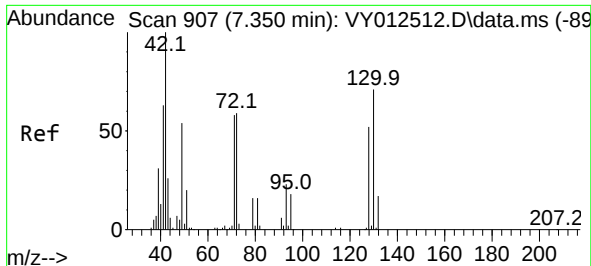
Tgt Ion:168 Resp: 147163
Ion Ratio Lower Upper
168 100
99 54.6 40.8 61.2



#16
Acetone
Concen: 27.262 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

Tgt Ion: 43 Resp: 12279
Ion Ratio Lower Upper
43 100
58 35.6 27.1 40.7





#29

Tetrahydrofuran

Concen: 4.012 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY012585.D

Acq: 14 Feb 2023 13:47

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-64

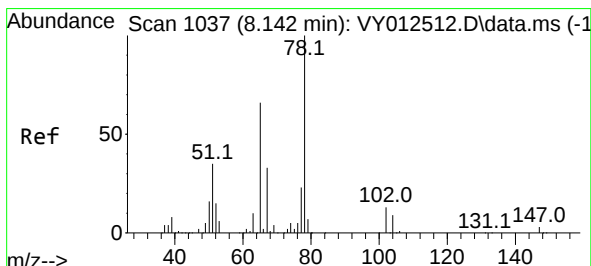
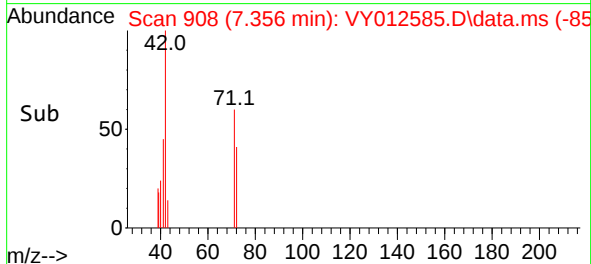
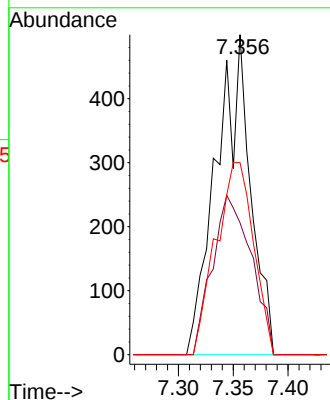
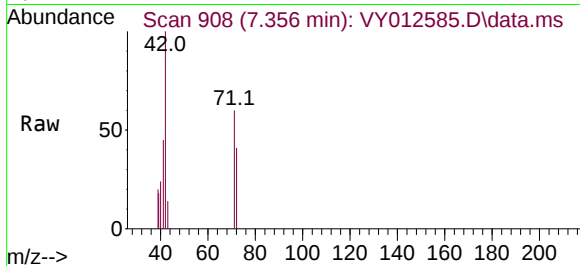
Tgt Ion: 42 Resp: 1084

Ion Ratio Lower Upper

42 100

72 56.7 47.0 70.6

71 66.2 44.6 66.8



#33

1,2-Dichloroethane-d4

Concen: 47.845 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY012585.D

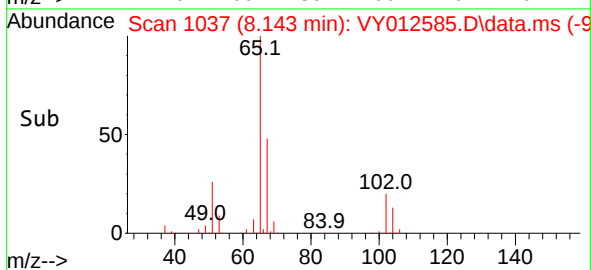
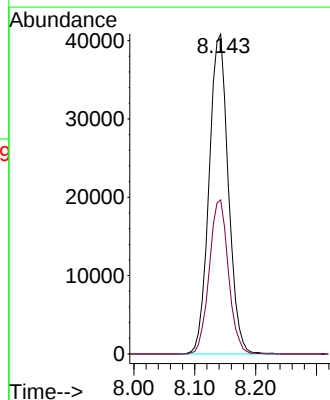
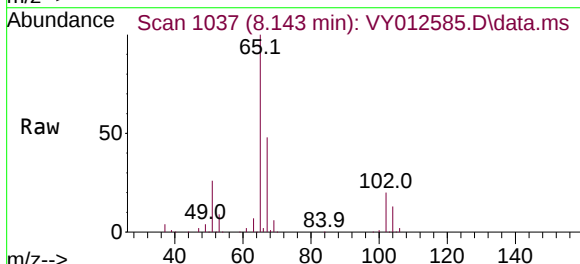
Acq: 14 Feb 2023 13:47

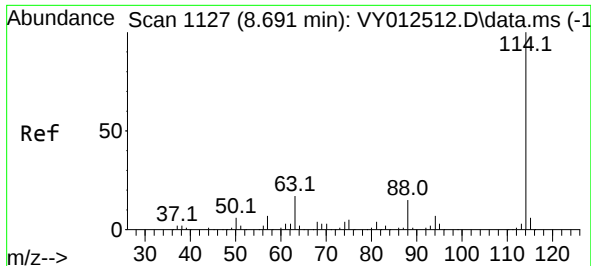
Tgt Ion: 65 Resp: 89535

Ion Ratio Lower Upper

65 100

67 48.0 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: VY012585.D

Acq: 14 Feb 2023 13:47

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-64

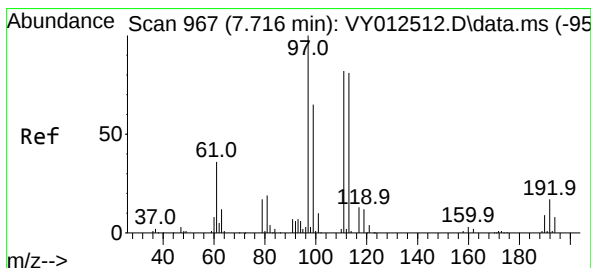
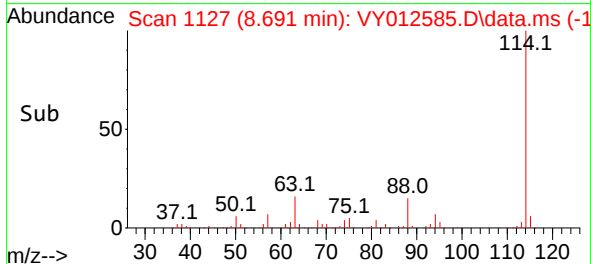
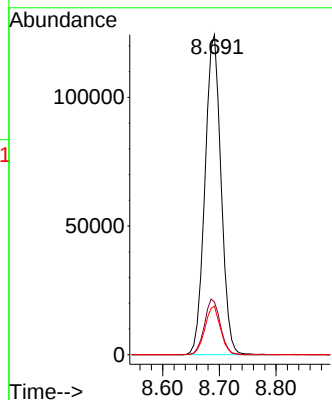
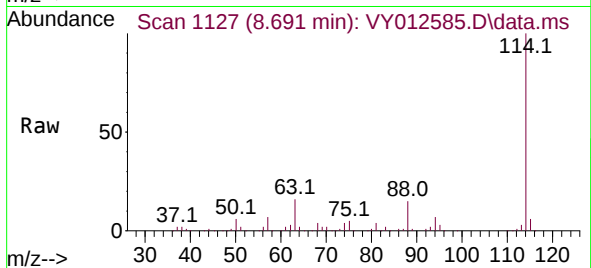
Tgt Ion:114 Resp: 244646

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.6

88 15.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.571 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012585.D

Acq: 14 Feb 2023 13:47

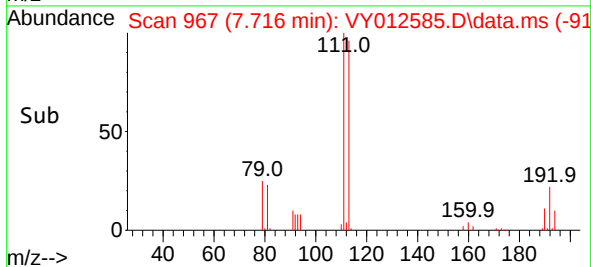
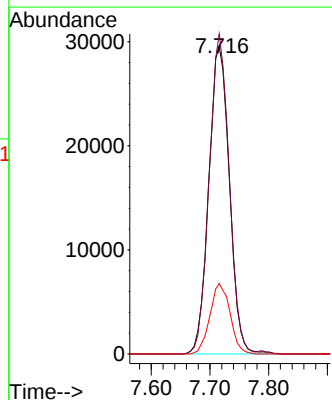
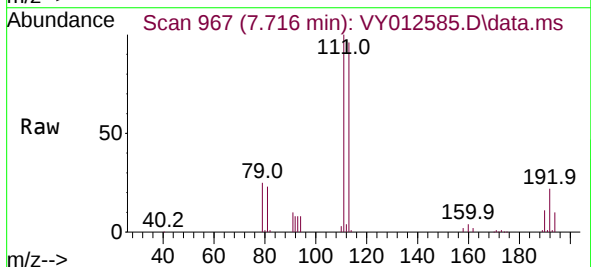
Tgt Ion:113 Resp: 72283

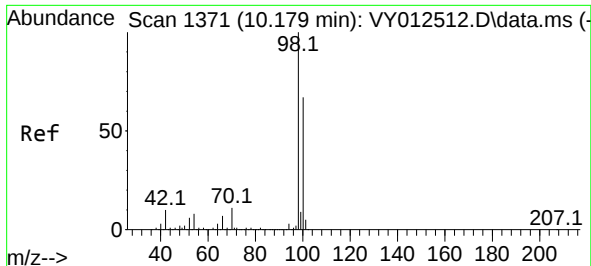
Ion Ratio Lower Upper

113 100

111 100.3 81.9 122.9

192 22.3 17.5 26.3

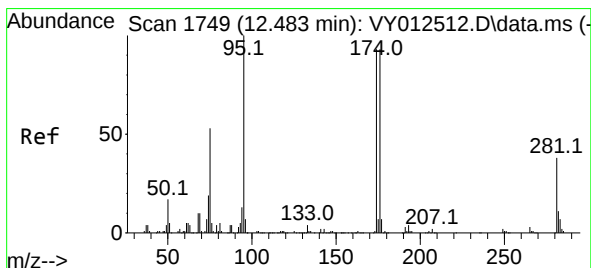
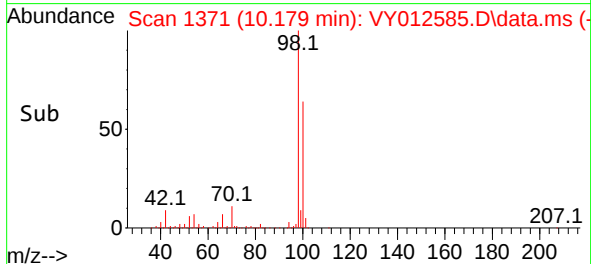
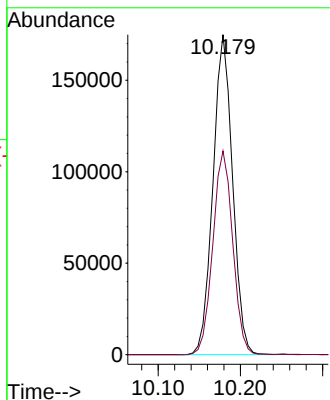
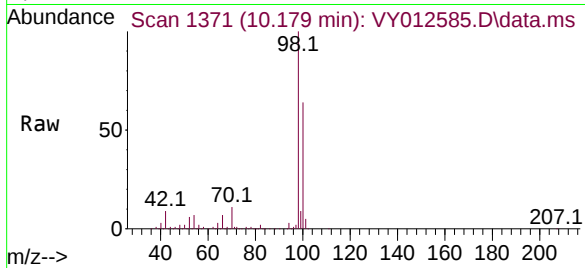




#50
Toluene-d8
Concen: 39.020 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

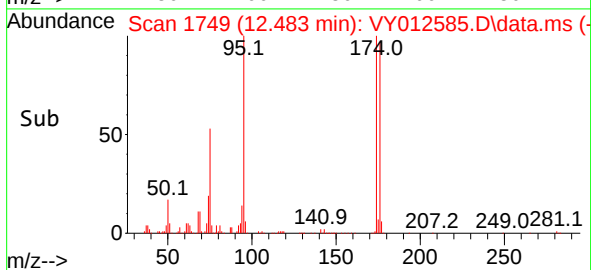
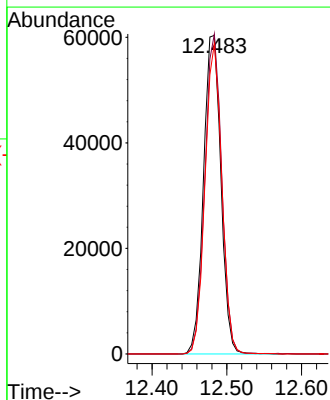
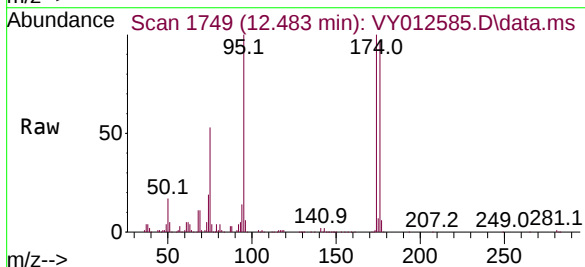
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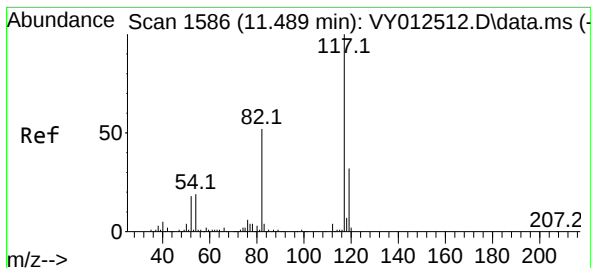
Tgt Ion: 98 Resp: 289365
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.617 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

Tgt Ion: 95 Resp: 97301
Ion Ratio Lower Upper
95 100
174 97.8 0.0 188.0
176 94.2 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: VY012585.D

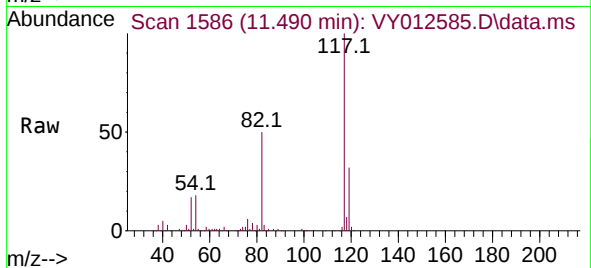
Acq: 14 Feb 2023 13:47

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-64



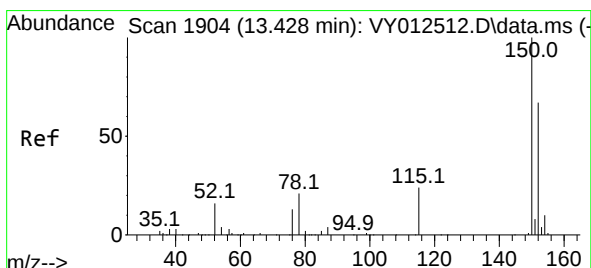
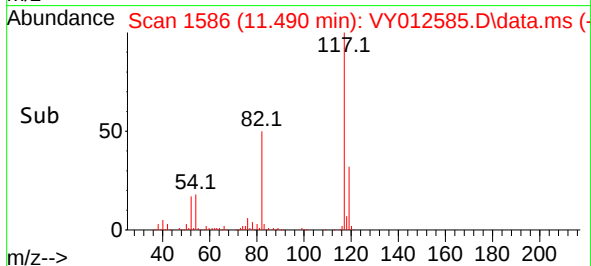
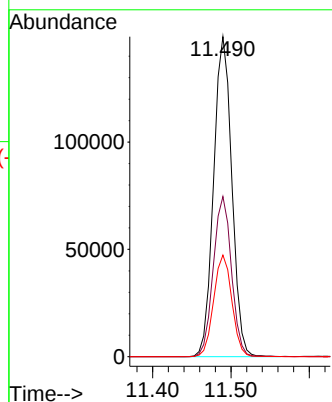
Tgt Ion:117 Resp: 241225

Ion	Ratio	Lower	Upper
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117	100		
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82	50.0	41.7	62.5
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119	31.7	25.8	38.8
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012585.D

Acq: 14 Feb 2023 13:47

Tgt Ion:152 Resp: 114793

Ion	Ratio	Lower	Upper
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152	100		
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115	56.2	28.1	84.3
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150	156.7	0.0	351.0
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