

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014185.D
 Acq On : 15 Jun 2023 13:32
 Operator : KP/MD
 Sample : 03222-06
 Misc : 11.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-GRAB-5-SB-33

Quant Time: Jun 16 02:07:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

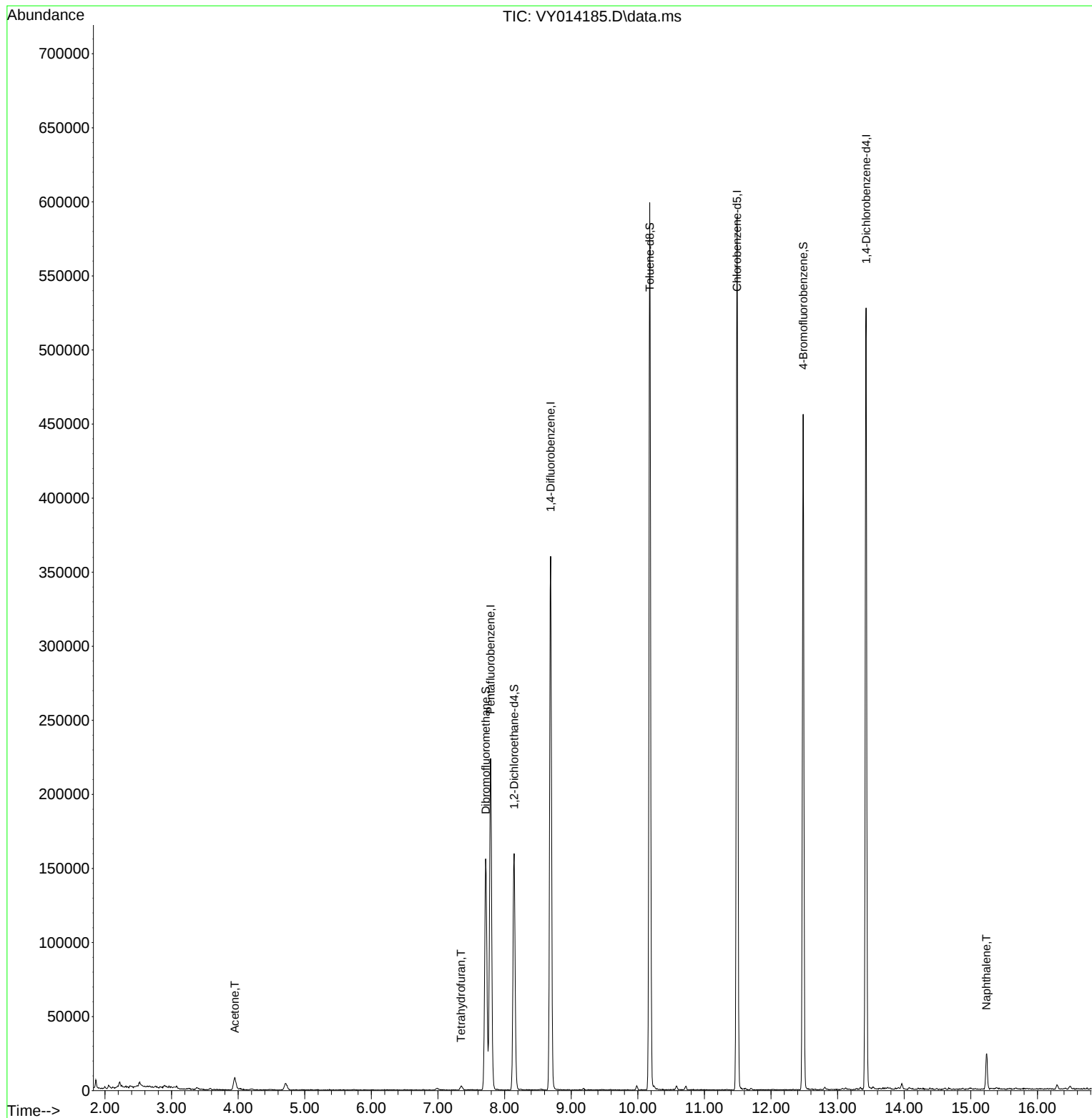
Internal Standards						
1) Pentafluorobenzene	7.789	168	169777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	300652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	311159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	132260	55.943	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.880%
35) Dibromofluoromethane	7.716	113	104614	49.065	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.120%
50) Toluene-d8	10.179	98	377760	47.390	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.780%
62) 4-Bromofluorobenzene	12.483	95	126760	44.766	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.540%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	15019	21.075	ug/l	96
29) Tetrahydrofuran	7.344	42	1888	3.394	ug/l	98
95) Naphthalene	15.233	128	20935	3.472	ug/l	99

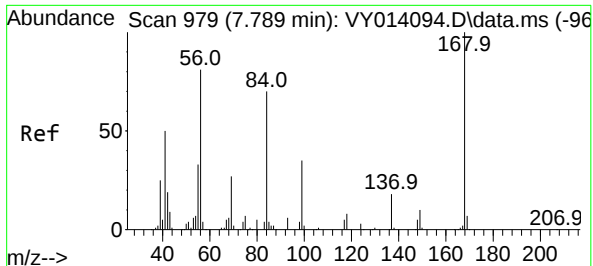
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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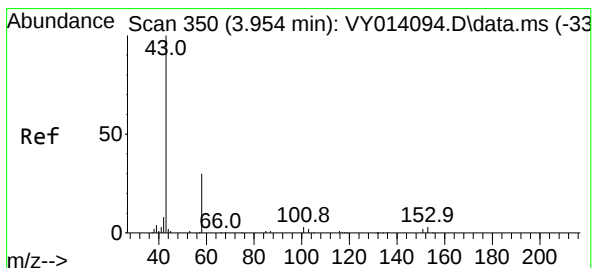
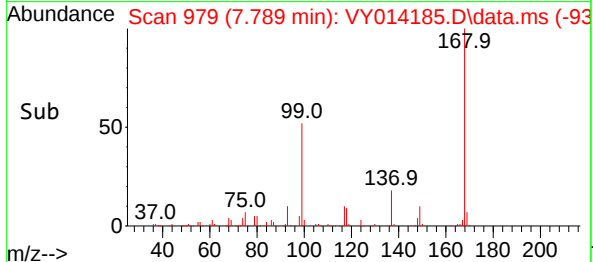
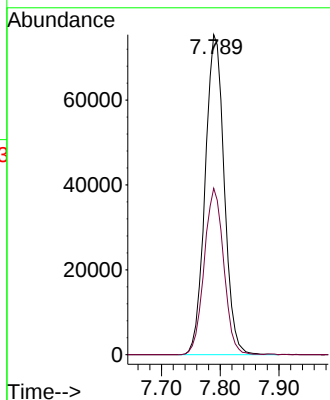
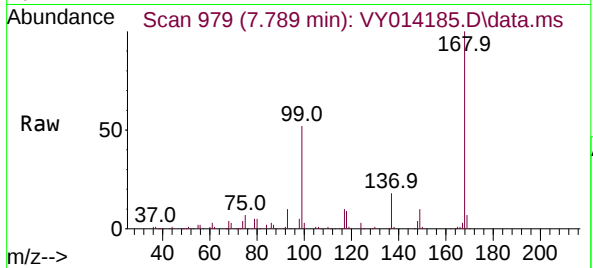




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

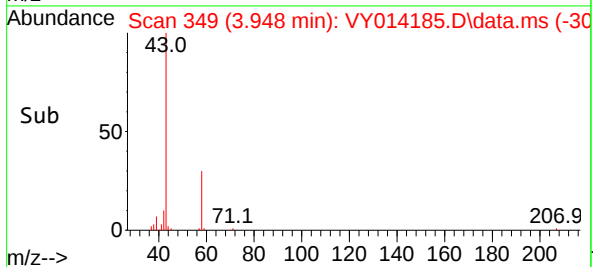
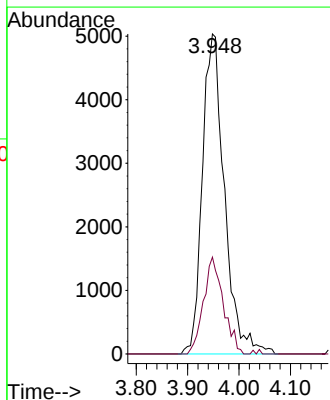
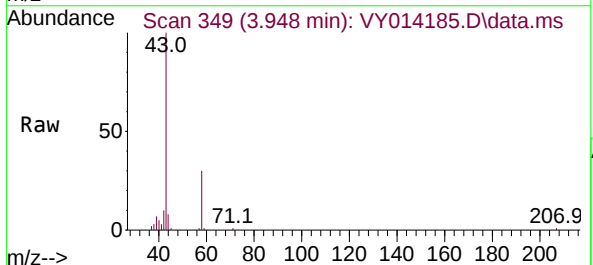
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-5-SB-33

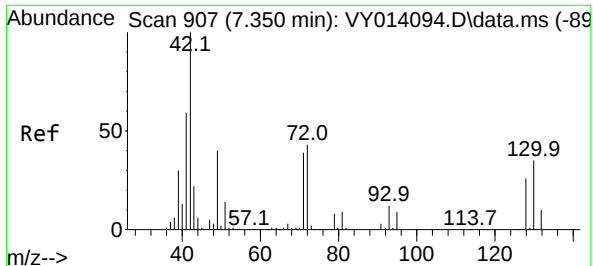
Tgt Ion:168 Resp: 169777
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#16
Acetone
Concen: 21.075 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

Tgt Ion: 43 Resp: 15019
Ion Ratio Lower Upper
43 100
58 30.3 22.7 34.1





#29

Tetrahydrofuran

Concen: 3.394 ug/l

RT: 7.344 min Scan# 907

Delta R.T. -0.006 min

Lab File: VY014185.D

Acq: 15 Jun 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-GRAB-5-SB-33

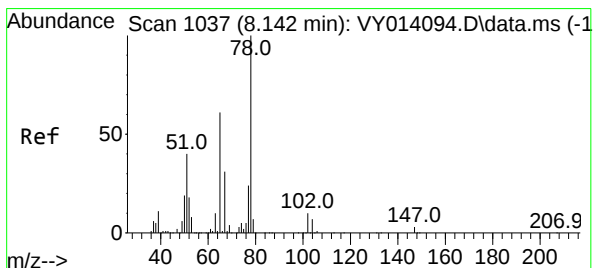
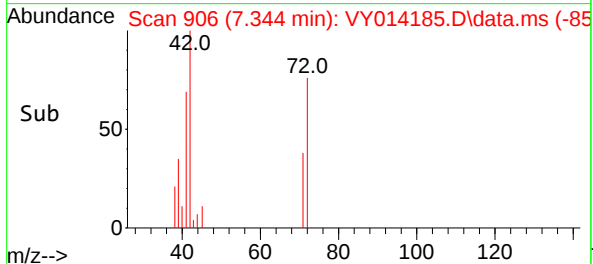
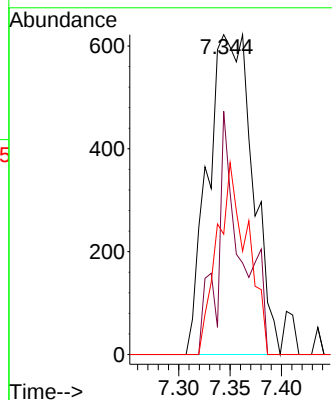
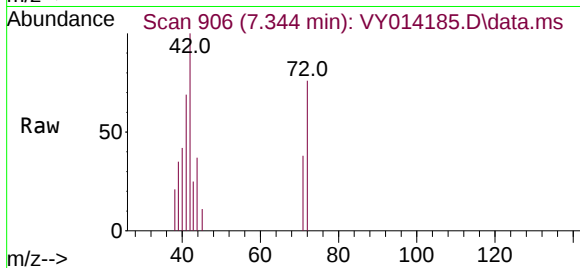
Tgt Ion: 42 Resp: 1888

Ion Ratio Lower Upper

42 100

72 39.8 32.8 49.2

71 40.3 31.0 46.4



#33

1,2-Dichloroethane-d4

Concen: 55.943 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014185.D

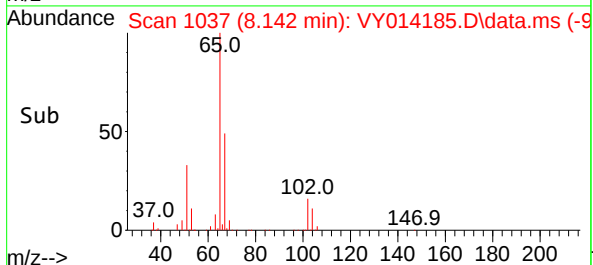
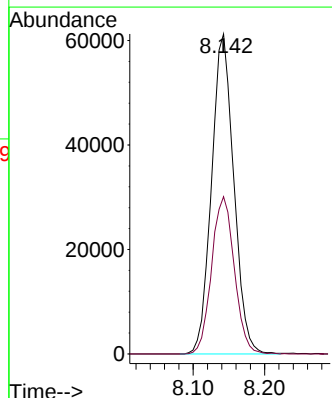
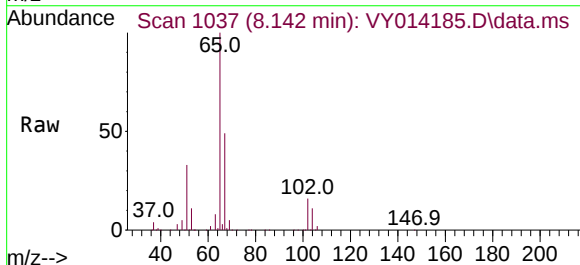
Acq: 15 Jun 2023 13:32

Tgt Ion: 65 Resp: 132260

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.8

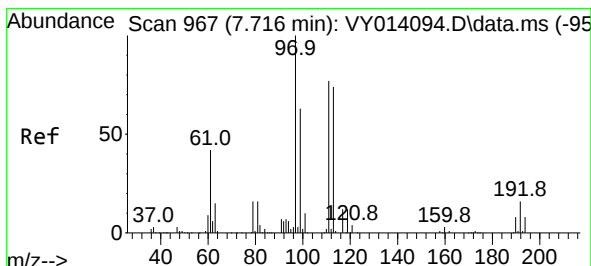
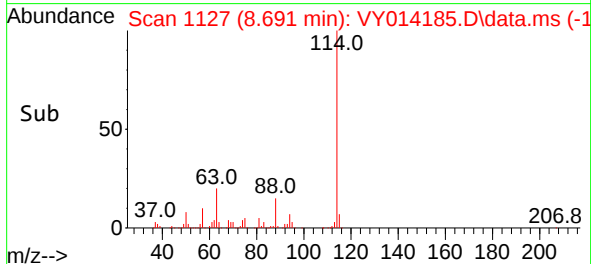
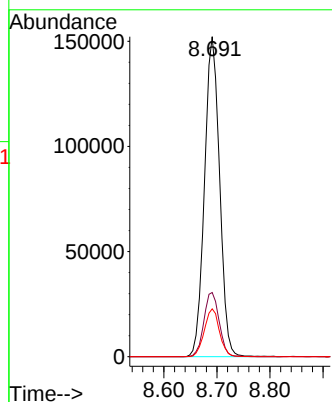
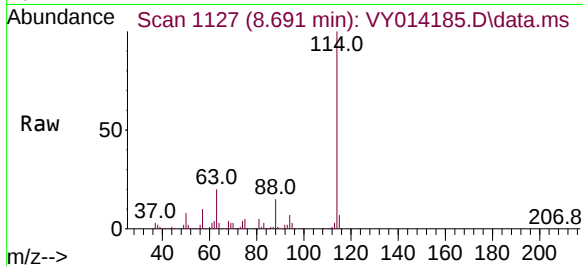




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

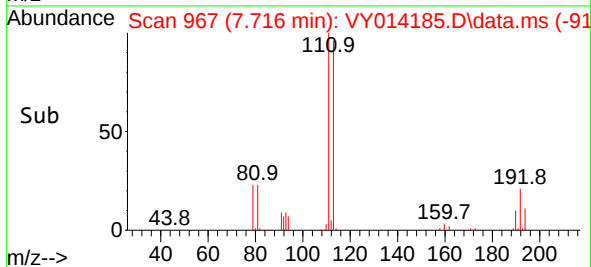
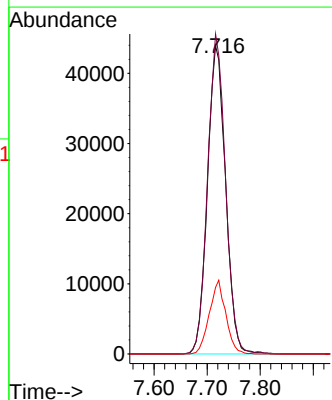
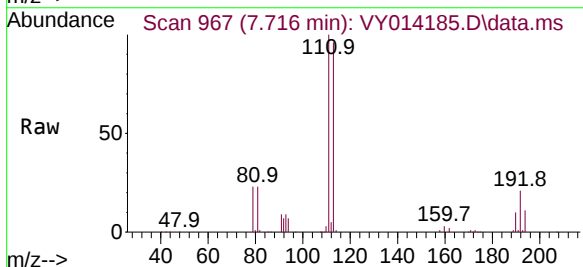
Instrument :
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TOTAL-VOC-GRAB-5-SB-33

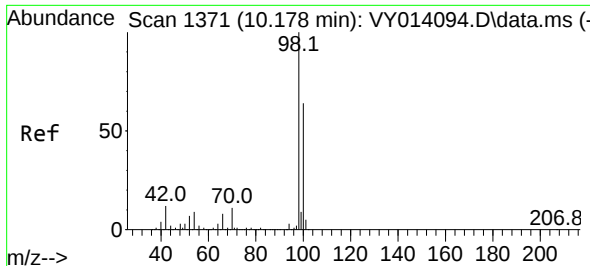
Tgt Ion:114 Resp: 300652
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.065 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

Tgt Ion:113 Resp: 104614
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 21.7 16.9 25.3

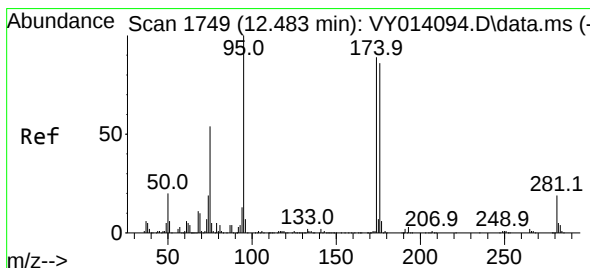
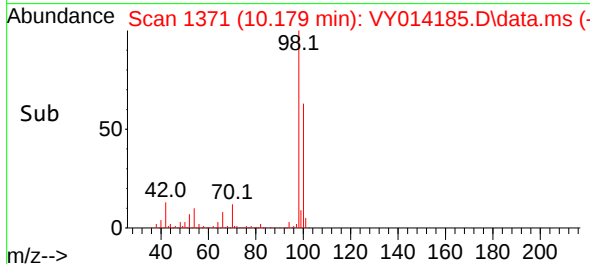
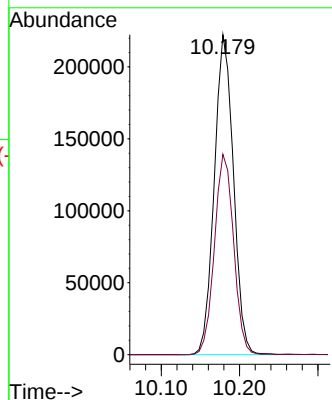
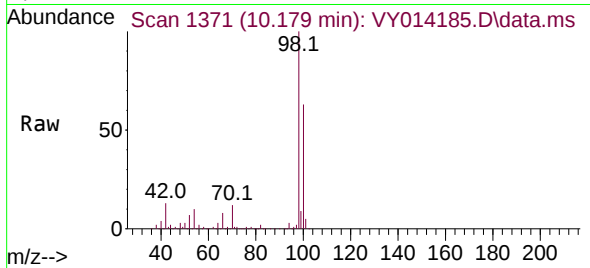




#50
Toluene-d8
Concen: 47.390 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

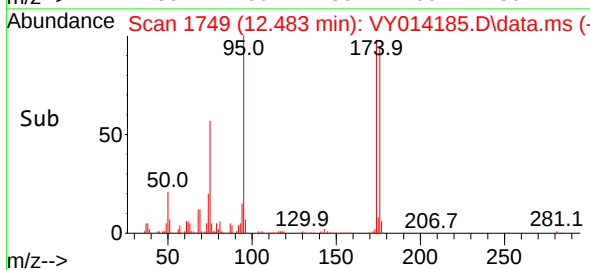
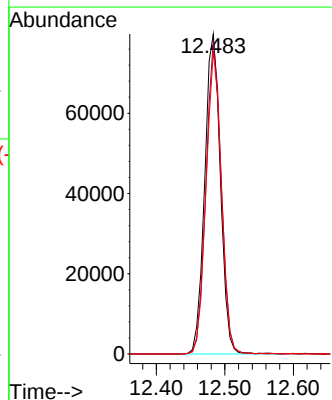
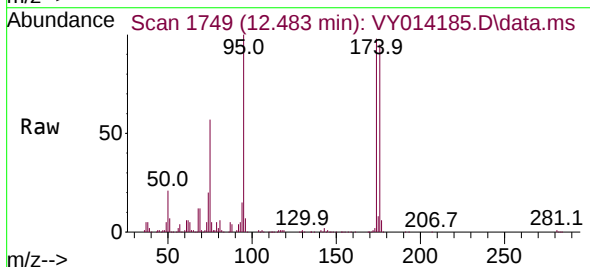
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MSVOA_Y
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TOTAL-VOC-GRAB-5-SB-33

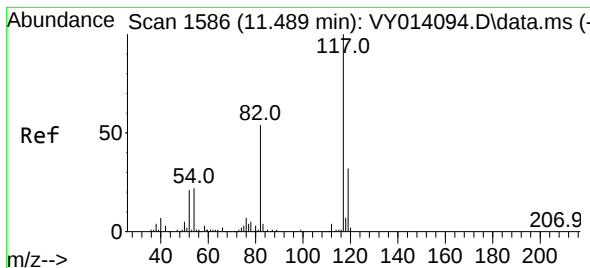
Tgt Ion: 98 Resp: 377760
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.766 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

Tgt Ion: 95 Resp: 126760
Ion Ratio Lower Upper
95 100
174 95.6 0.0 178.2
176 92.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY014185.D

Acq: 15 Jun 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-GRAB-5-SB-33

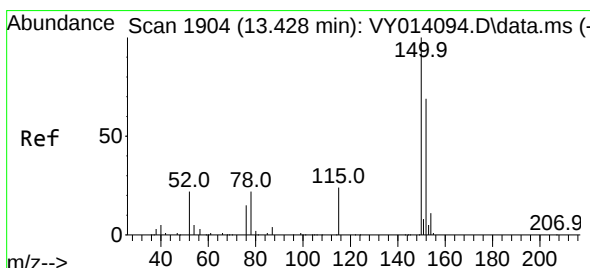
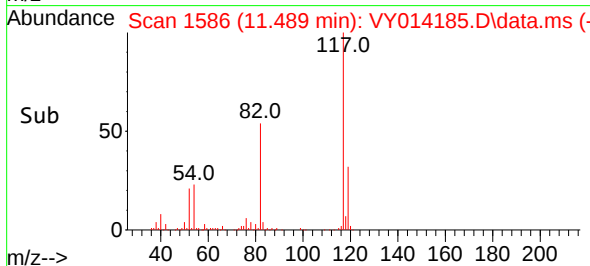
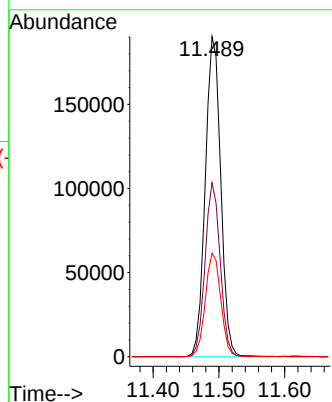
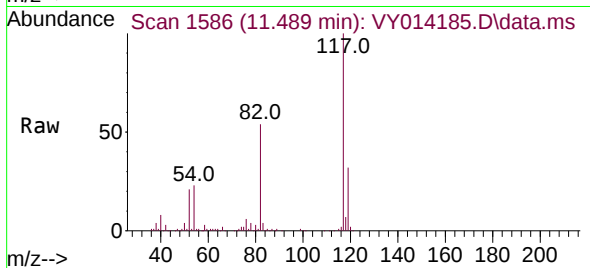
Tgt Ion:117 Resp: 311159

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014185.D

Acq: 15 Jun 2023 13:32

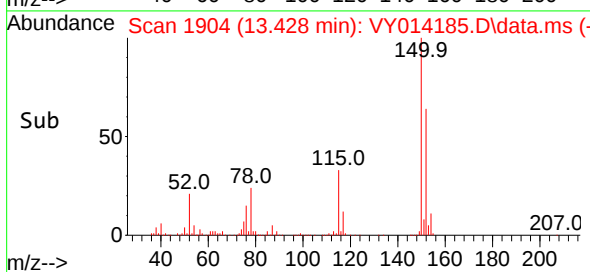
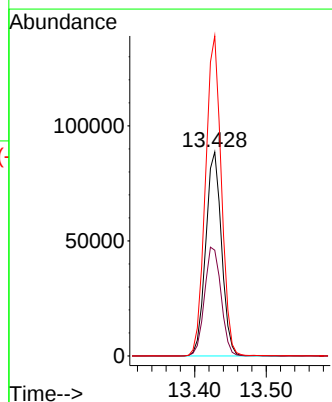
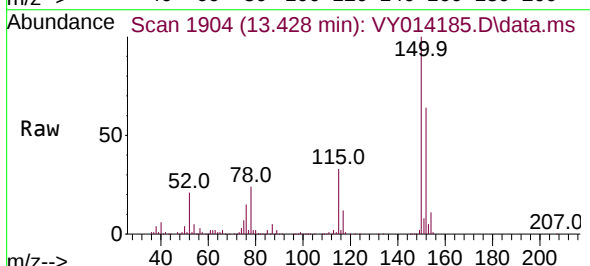
Tgt Ion:152 Resp: 136369

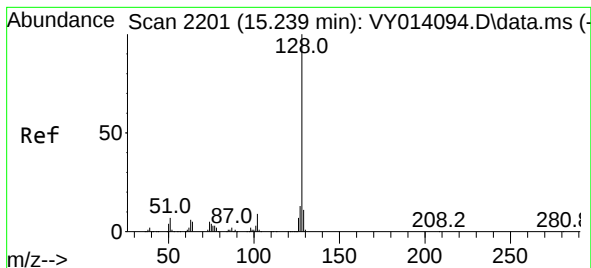
Ion Ratio Lower Upper

152 100

115 55.6 28.8 86.5

150 157.5 0.0 348.8





#95

Naphthalene

Concen: 3.472 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY014185.D

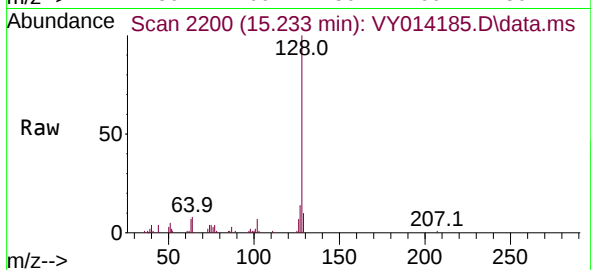
Acq: 15 Jun 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-GRAB-5-SB-33



Tgt Ion:128 Resp: 20935

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

129 10.5 8.6 13.0

