

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014231.D
 Acq On : 19 Jun 2023 16:32
 Operator : KP/MD
 Sample : 03229-03RE
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-402-VOC-09

Quant Time: Jun 19 17:03:27 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)

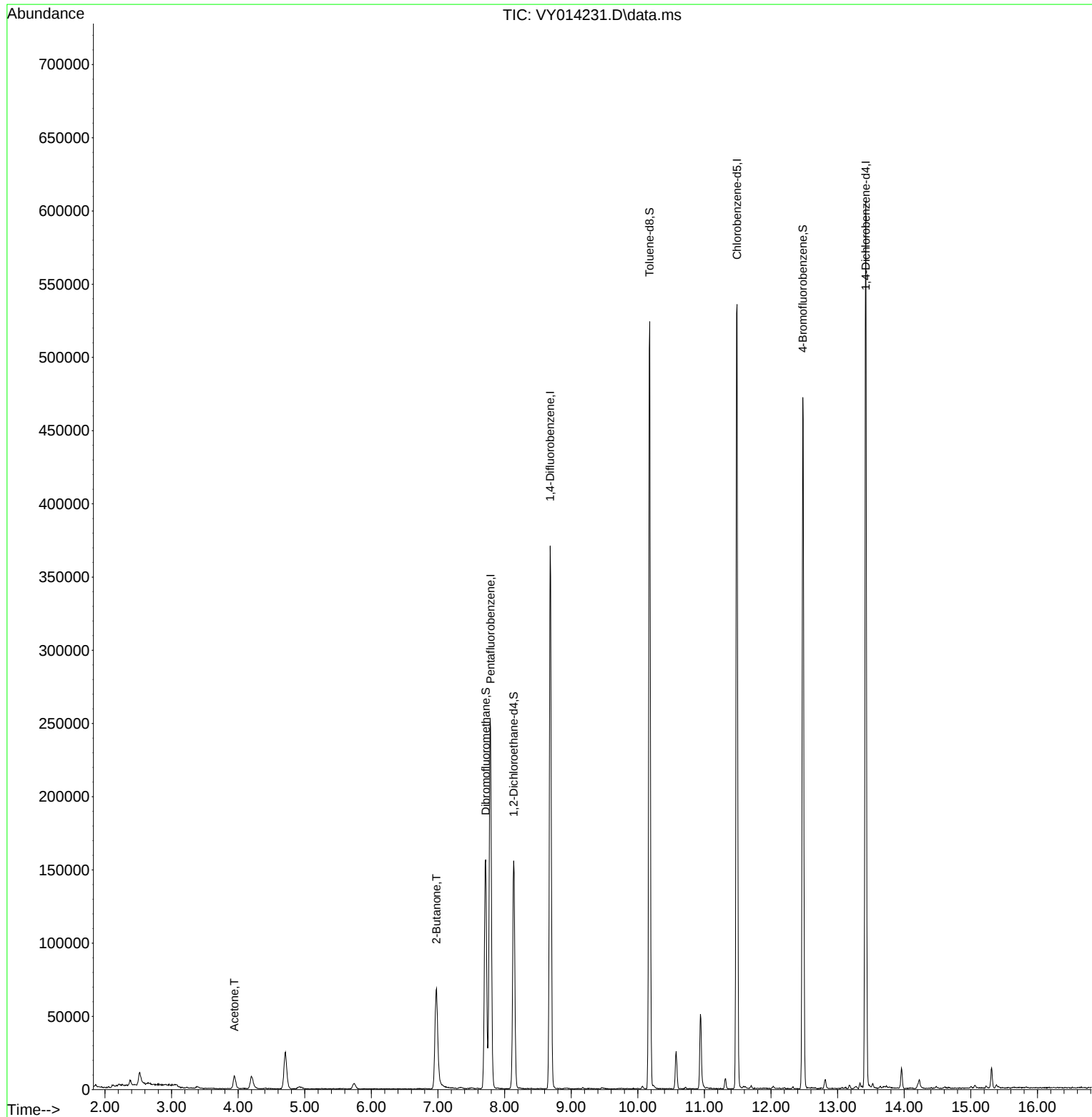
Internal Standards						
1) Pentafluorobenzene	7.789	168	201728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	309361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	291732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128436	45.722	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.440%
35) Dibromofluoromethane	7.716	113	107425	48.965	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.920%
50) Toluene-d8	10.179	98	338413	41.259	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.520%
62) 4-Bromofluorobenzene	12.477	95	127359	43.711	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.420%
Target Compounds						
16) Acetone	3.942	43	15121	17.858	ug/l	92
25) 2-Butanone	6.978	43	6504	6.240	ug/l #	77

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

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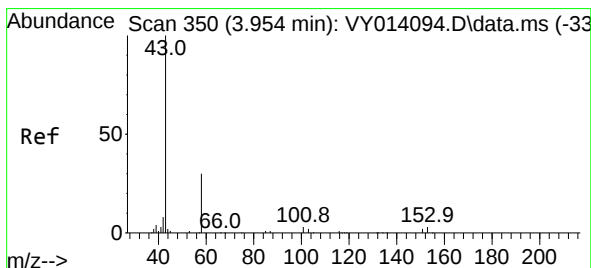
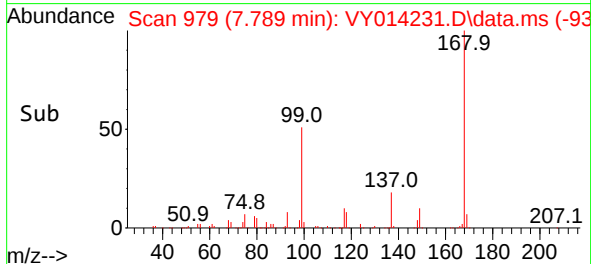
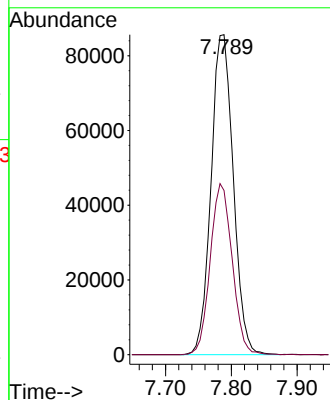
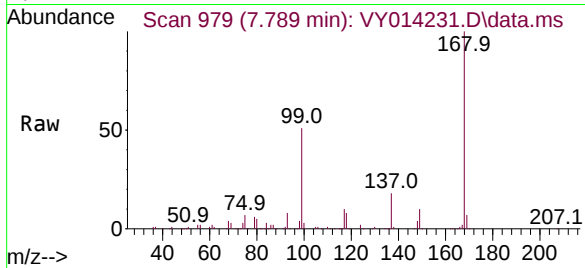




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

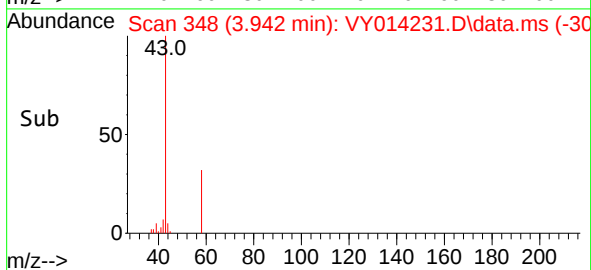
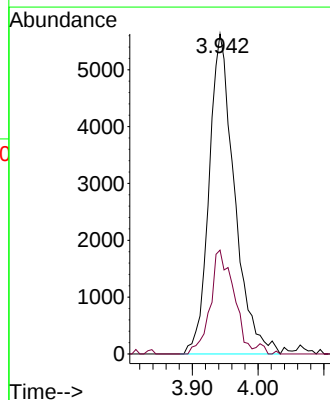
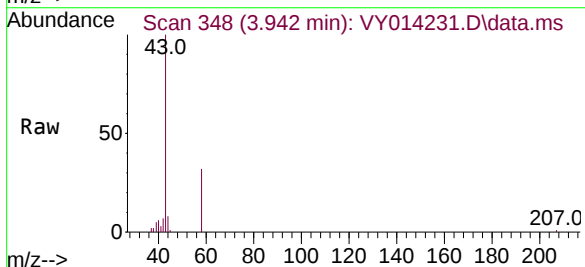
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

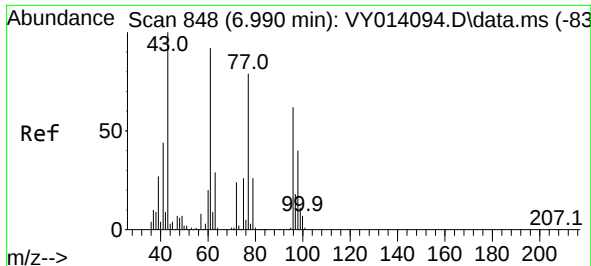
Tgt Ion:168 Resp: 201728
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#16
Acetone
Concen: 17.858 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

Tgt Ion: 43 Resp: 15121
Ion Ratio Lower Upper
43 100
58 32.5 22.7 34.1





#25

2-Butanone

Concen: 6.240 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY014231.D

Acq: 19 Jun 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

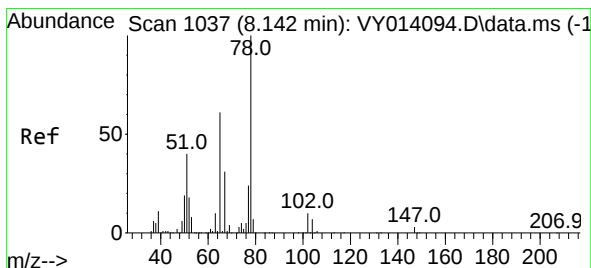
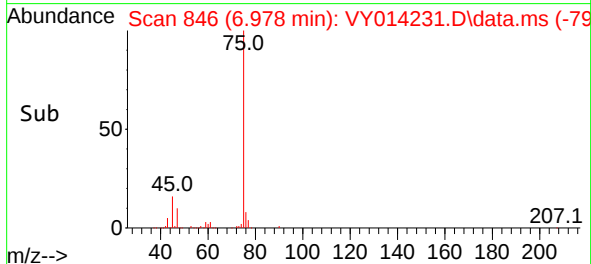
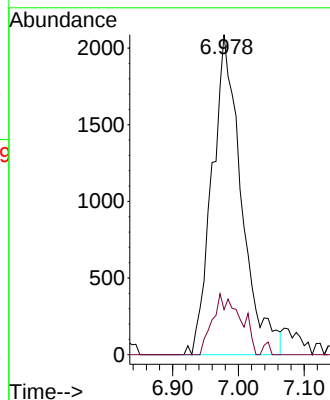
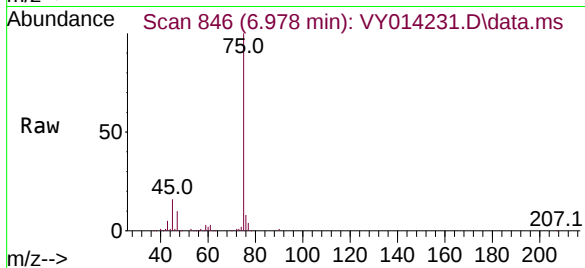
OR-402-VOC-09

Tgt Ion: 43 Resp: 6504

Ion Ratio Lower Upper

43 100

72 14.1 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 45.722 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014231.D

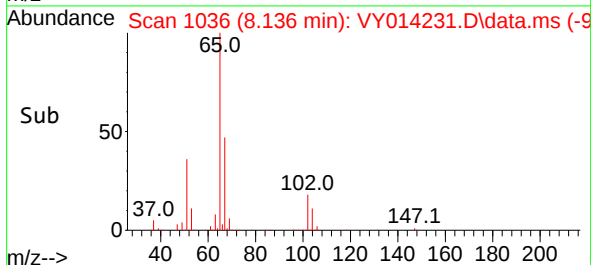
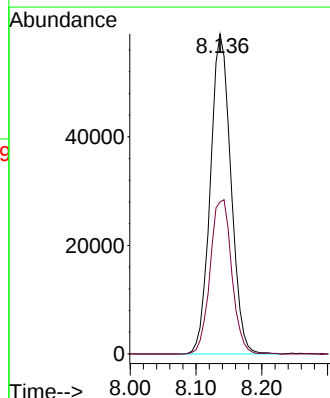
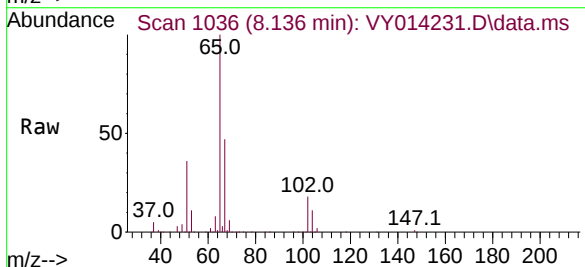
Acq: 19 Jun 2023 16:32

Tgt Ion: 65 Resp: 128436

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014231.D

Acq: 19 Jun 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

OR-402-VOC-09

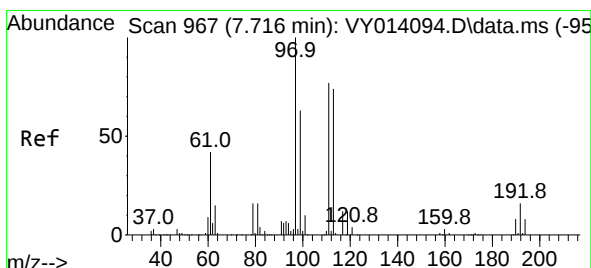
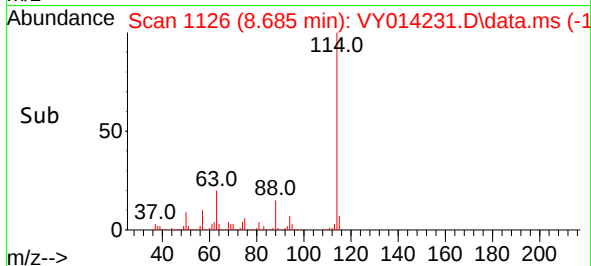
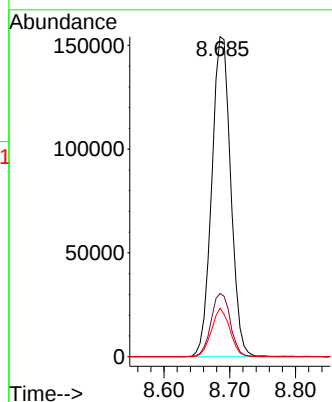
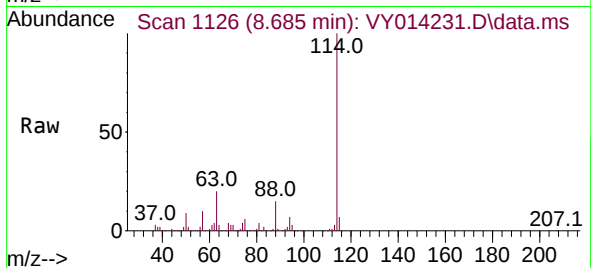
Tgt Ion:114 Resp: 309361

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.965 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014231.D

Acq: 19 Jun 2023 16:32

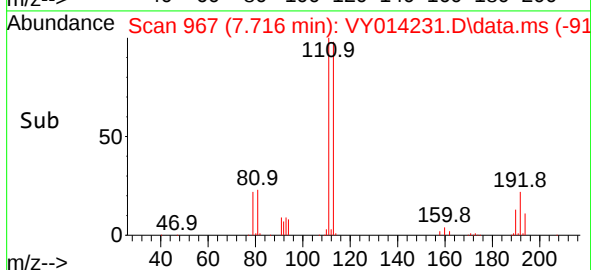
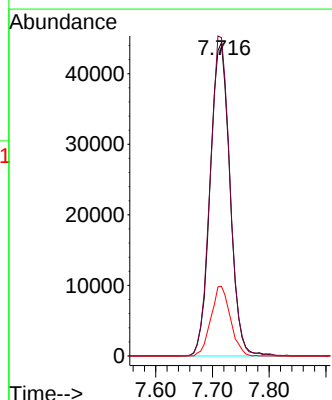
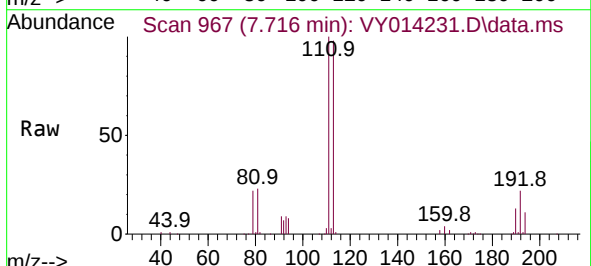
Tgt Ion:113 Resp: 107425

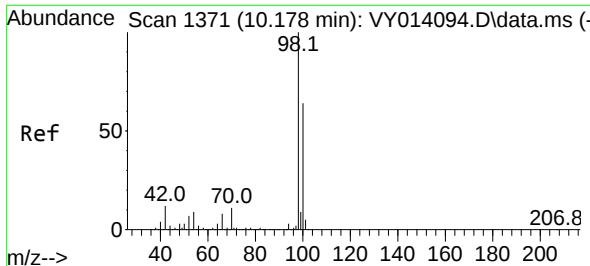
Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

192 21.9 16.9 25.3

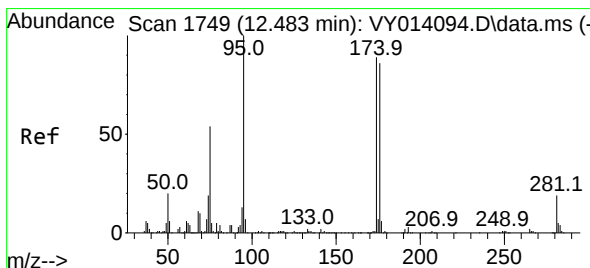
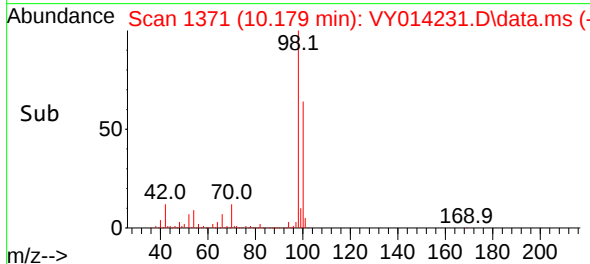
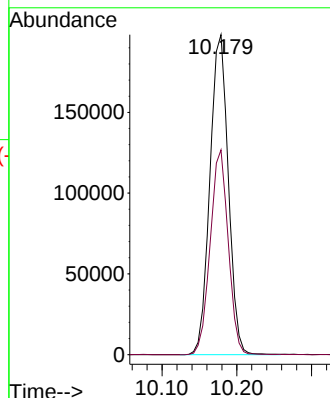
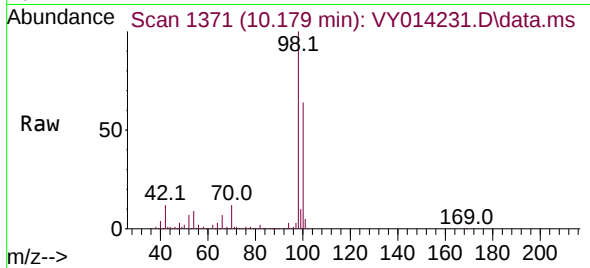




#50
Toluene-d8
Concen: 41.259 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

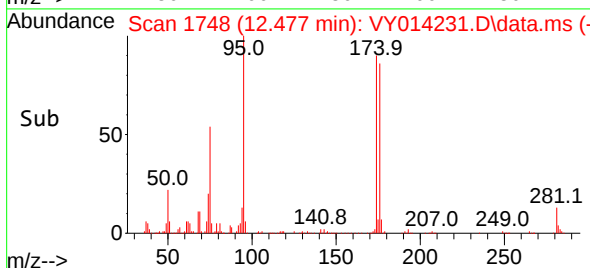
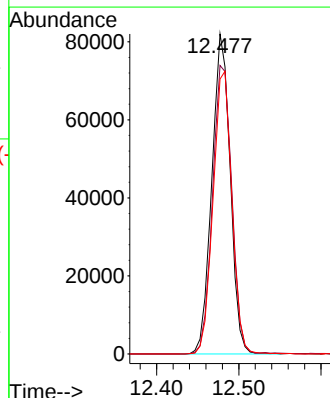
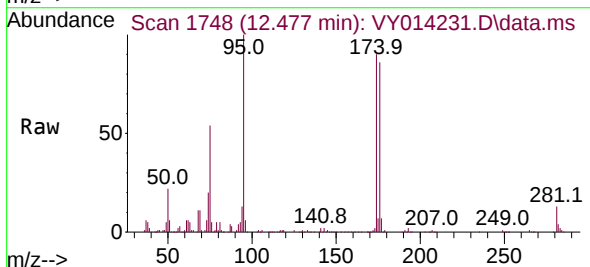
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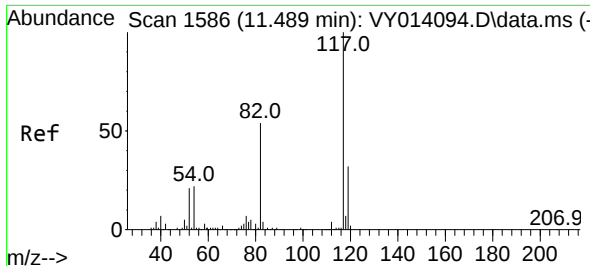
Tgt Ion: 98 Resp: 338413
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 43.711 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

Tgt Ion: 95 Resp: 127359
Ion Ratio Lower Upper
95 100
174 94.3 0.0 178.2
176 90.4 0.0 173.8

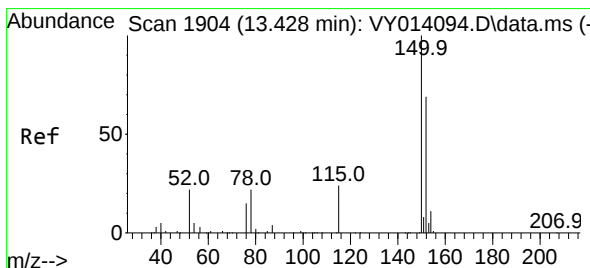
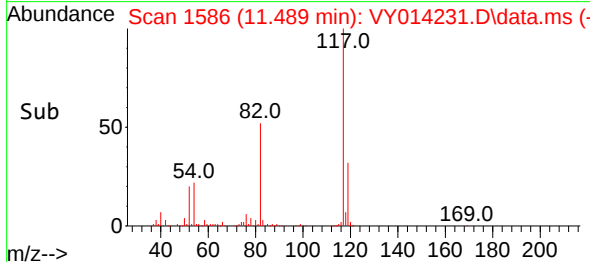
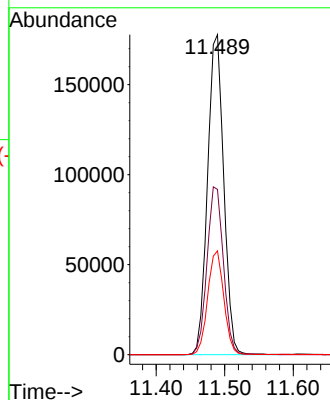
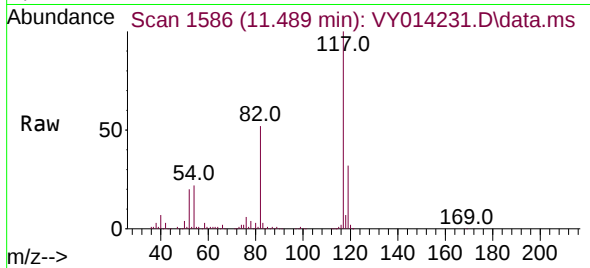




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

Tgt Ion:117 Resp: 291732
Ion Ratio Lower Upper
117 100
82 51.6 43.4 65.0
119 32.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

Tgt Ion:152 Resp: 154366
Ion Ratio Lower Upper
152 100
115 56.5 28.8 86.5
150 158.5 0.0 348.8

