

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014371.D
 Acq On : 22 Jun 2023 08:52
 Operator : KP/MD
 Sample : 03362-18
 Misc : 7.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-19-20-SB-19-GRAB-5

Quant Time: Jun 22 09:04:39 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)

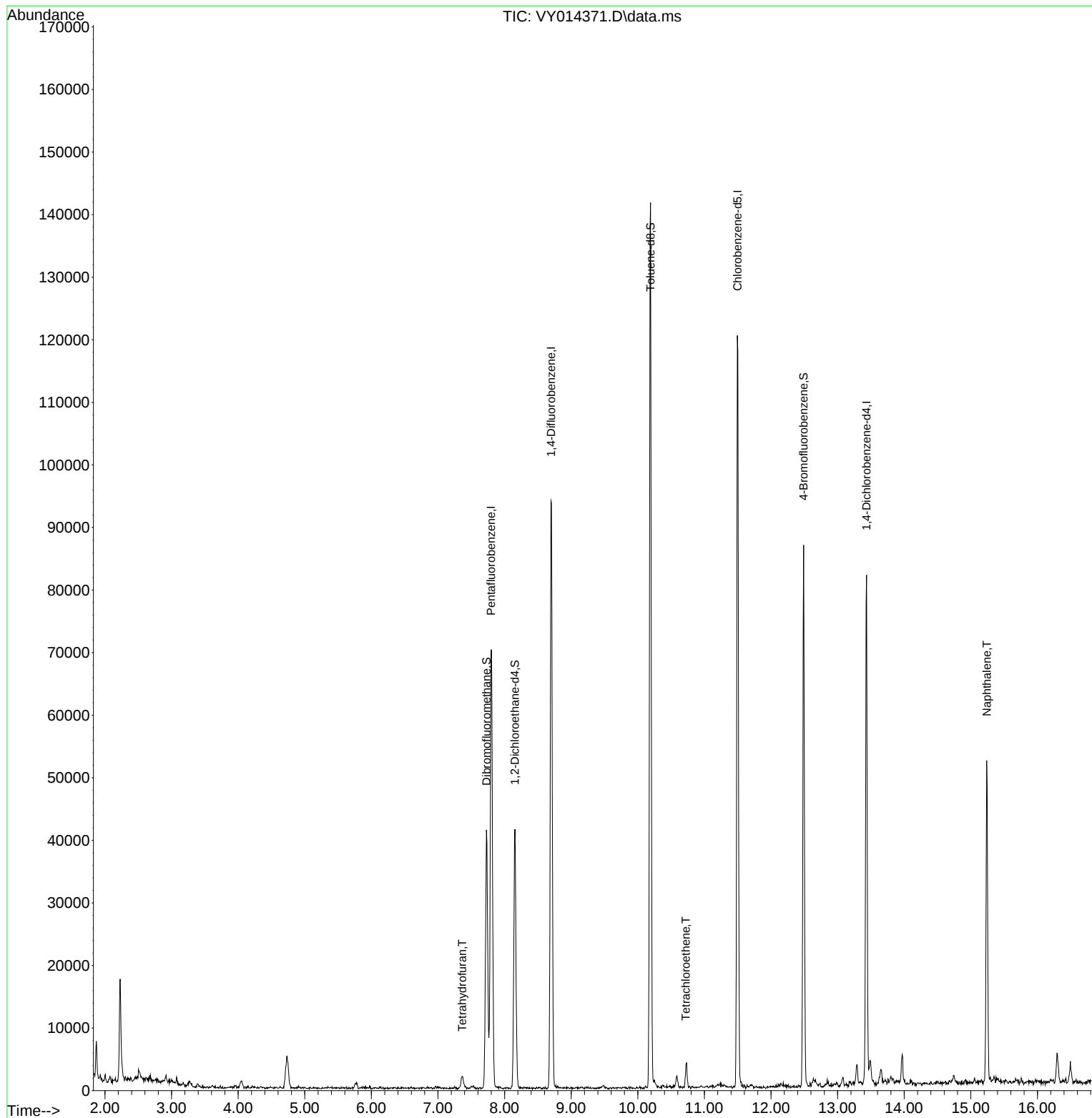
Internal Standards						
1) Pentafluorobenzene	7.795	168	55362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	82731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	68670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	22222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	35122	45.558	ug/l	0.01
Spiked Amount 50.000	Range	50 - 163	Recovery	=	91.120%	
35) Dibromofluoromethane	7.728	113	27609	47.057	ug/l	0.01
Spiked Amount 50.000	Range	54 - 147	Recovery	=	94.120%	
50) Toluene-d8	10.191	98	95404	43.495	ug/l	0.01
Spiked Amount 50.000	Range	58 - 134	Recovery	=	86.980%	
62) 4-Bromofluorobenzene	12.489	95	22961	29.468	ug/l	0.00
Spiked Amount 50.000	Range	30 - 143	Recovery	=	58.940%	
Target Compounds						
29) Tetrahydrofuran	7.362	42	1591	8.771	ug/l	94
64) Tetrachloroethene	10.721	164	1067	1.823	ug/l #	74
95) Naphthalene	15.239	128	42380	43.138	ug/l	98

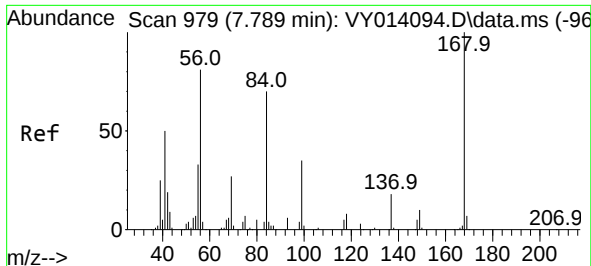
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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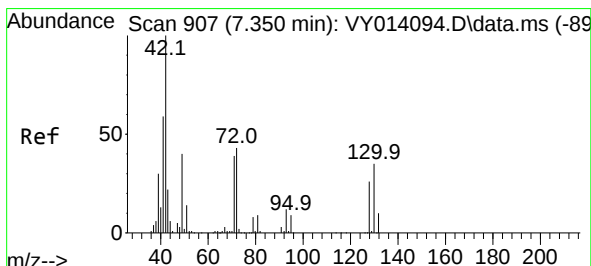
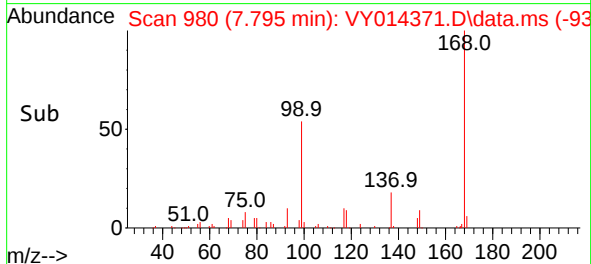
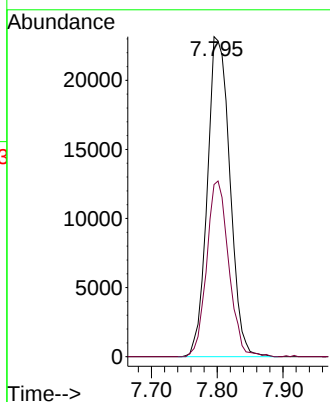
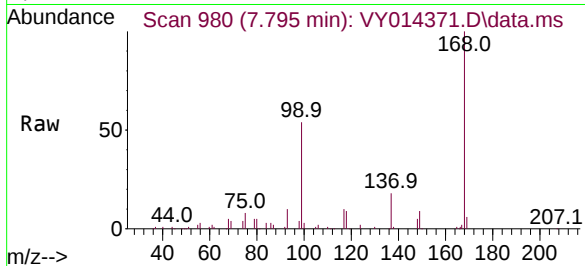




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

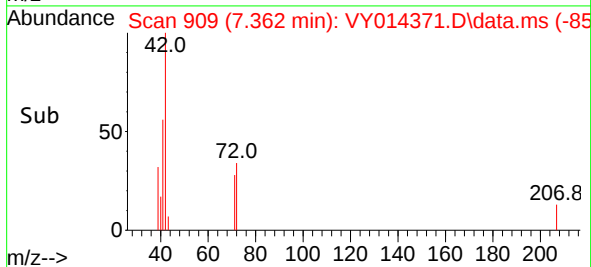
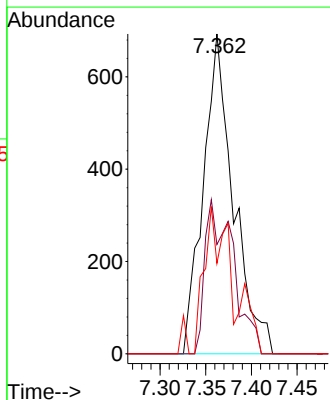
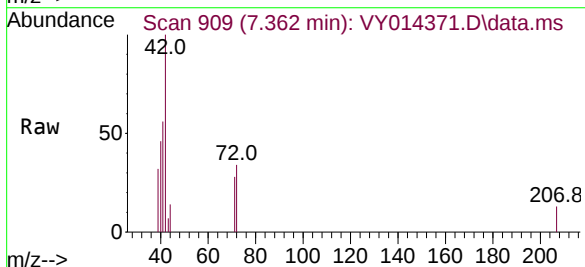
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5

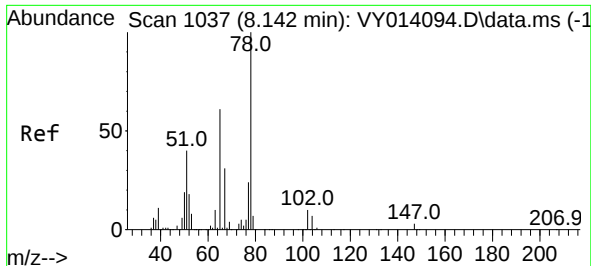
Tgt Ion:168 Resp: 55362
Ion Ratio Lower Upper
168 100
99 53.8 43.4 65.0



#29
Tetrahydrofuran
Concen: 8.771 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Tgt Ion: 42 Resp: 1591
Ion Ratio Lower Upper
42 100
72 45.1 32.8 49.2
71 36.0 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 45.558 ug/l

RT: 8.155 min Scan# 1037

Delta R.T. 0.013 min

Lab File: VY014371.D

Acq: 22 Jun 2023 08:52

Instrument :

MSVOA_Y

ClientSampleId :

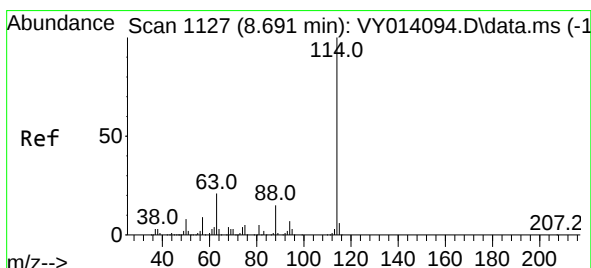
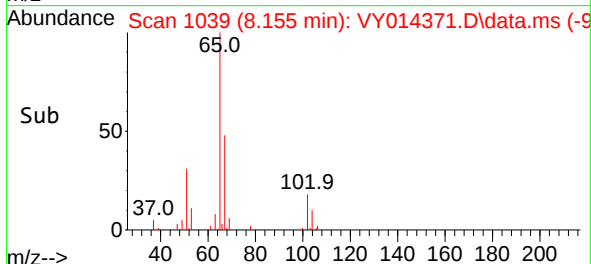
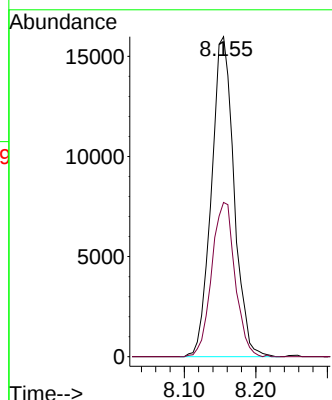
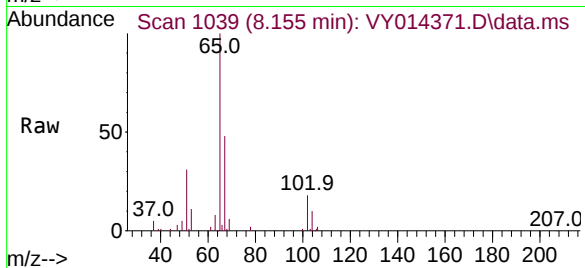
TOTAL-VOC-SB-19-20-SB-19-GRAB-5

Tgt Ion: 65 Resp: 35122

Ion Ratio Lower Upper

65 100

67 49.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014371.D

Acq: 22 Jun 2023 08:52

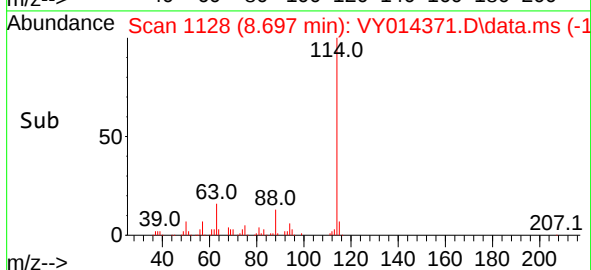
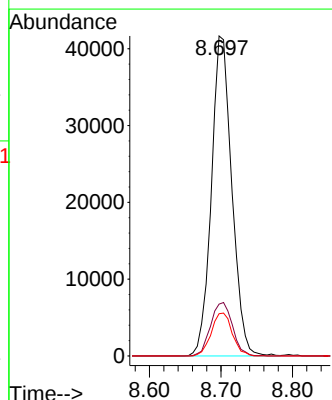
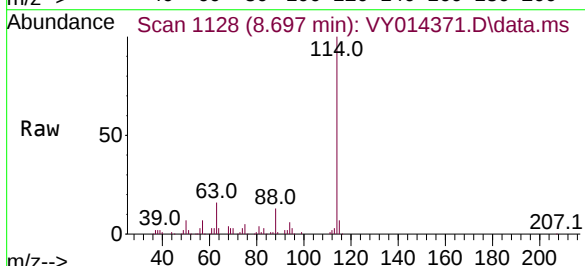
Tgt Ion: 114 Resp: 82731

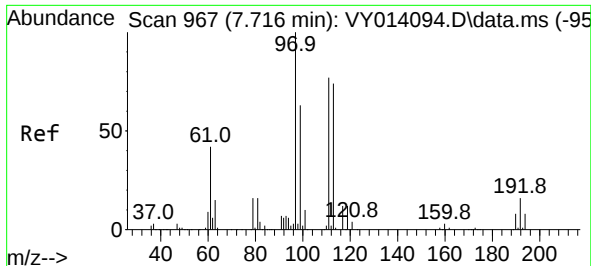
Ion Ratio Lower Upper

114 100

63 16.2 0.0 42.4

88 13.2 0.0 30.6

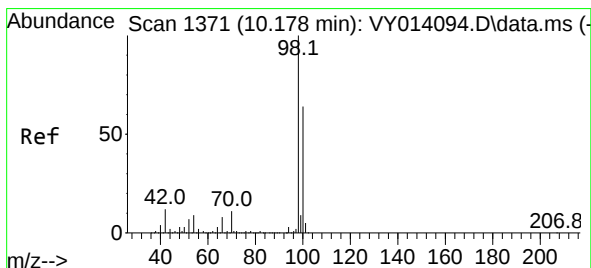
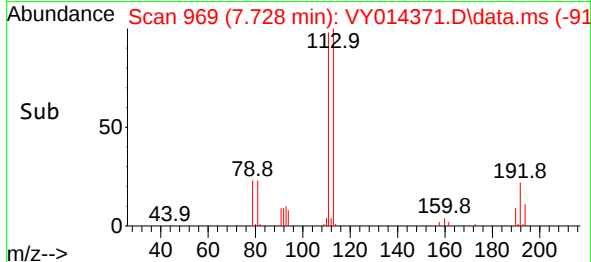
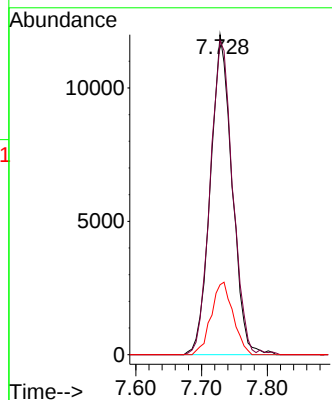
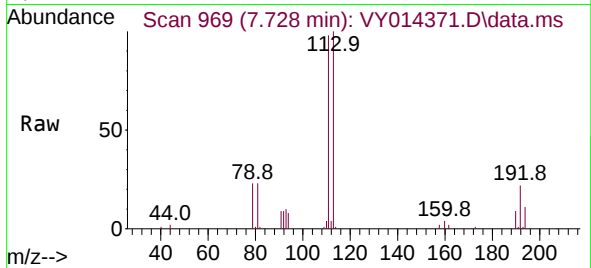




#35
Dibromofluoromethane
Concen: 47.057 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

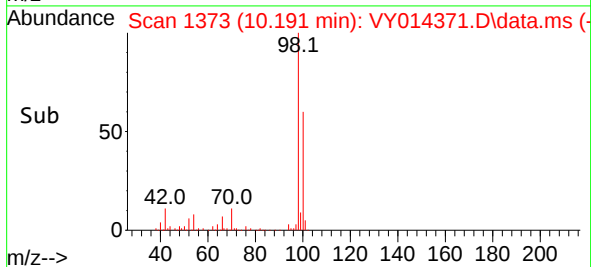
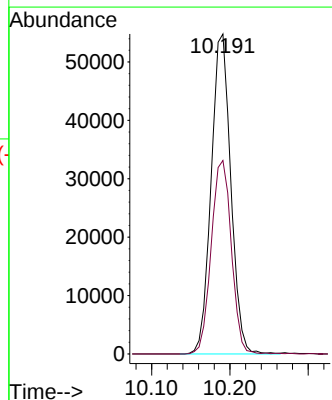
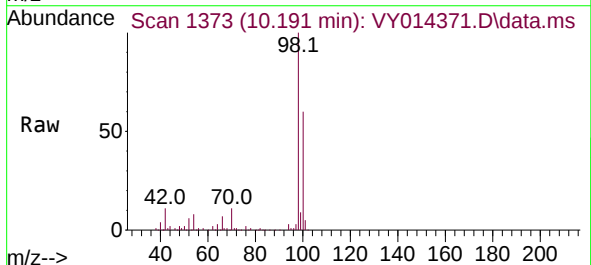
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5

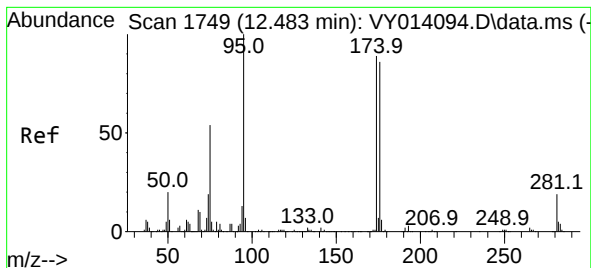
Tgt Ion:113 Resp: 27609
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 22.9 16.9 25.3



#50
Toluene-d8
Concen: 43.495 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Tgt Ion: 98 Resp: 95404
Ion Ratio Lower Upper
98 100
100 62.1 50.1 75.1

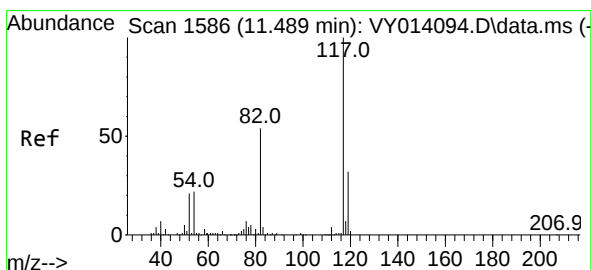
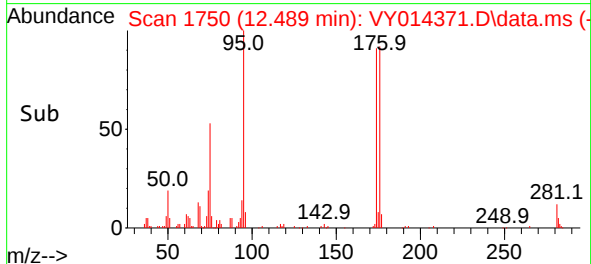
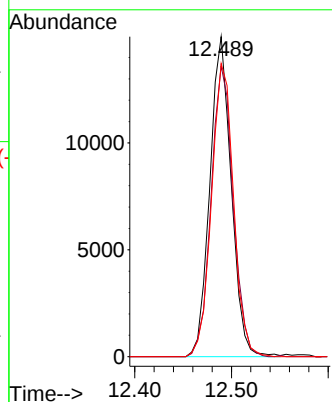
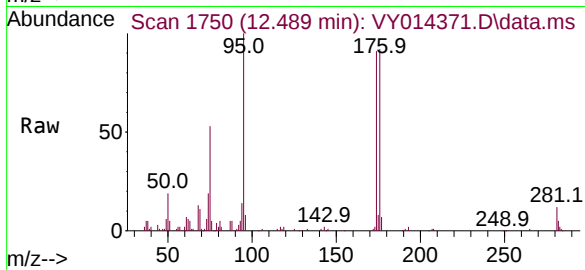




#62
4-Bromofluorobenzene
Concen: 29.468 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

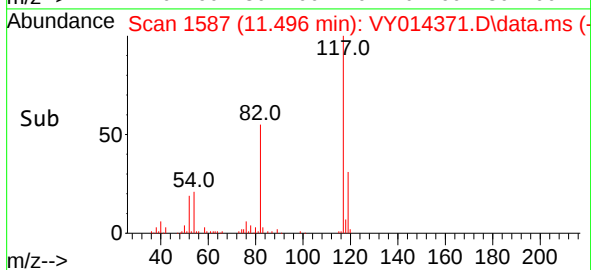
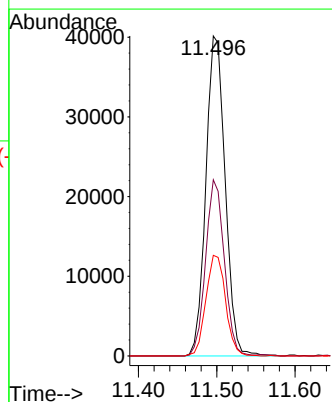
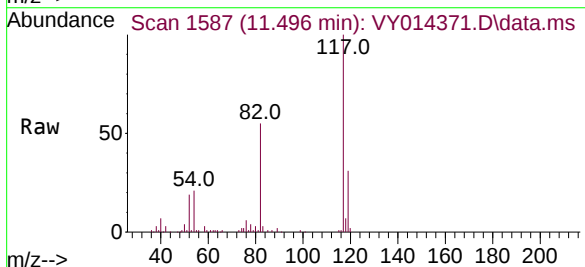
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5

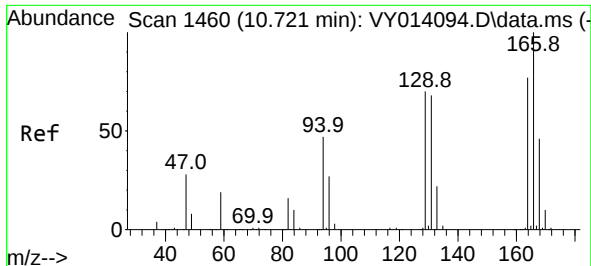
Tgt Ion: 95 Resp: 22961
Ion Ratio Lower Upper
95 100
174 93.6 0.0 178.2
176 93.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

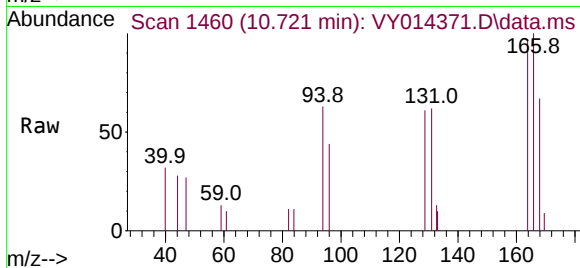
Tgt Ion: 117 Resp: 68670
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.0
119 31.5 26.3 39.5



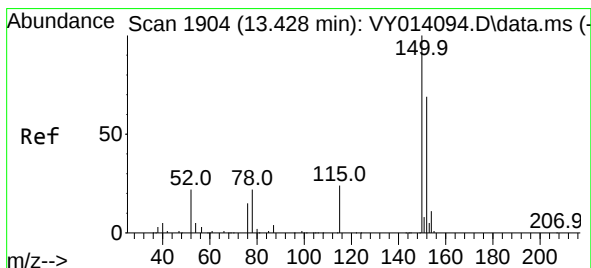
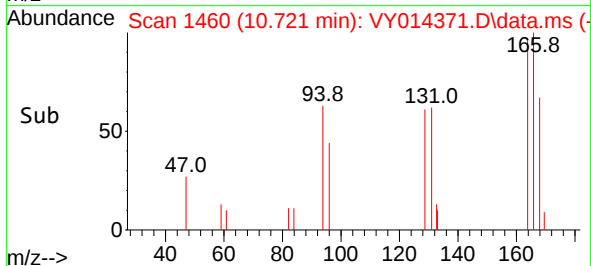
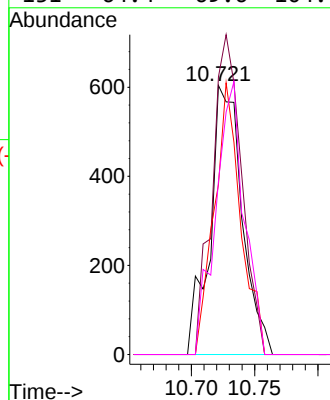


#64
Tetrachloroethene
Concen: 1.823 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-19-20-SB-19-GRAB-5

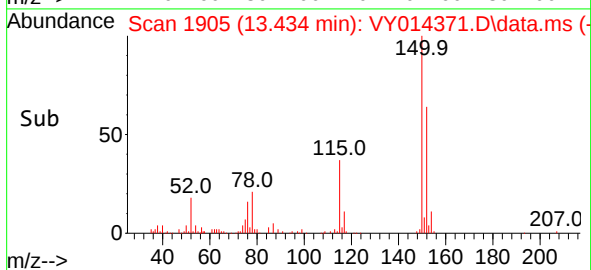
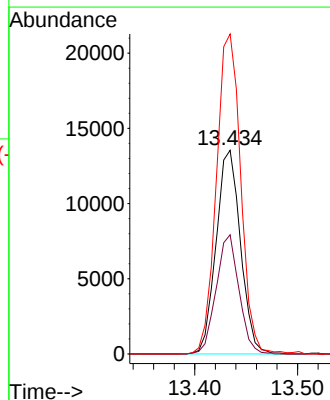
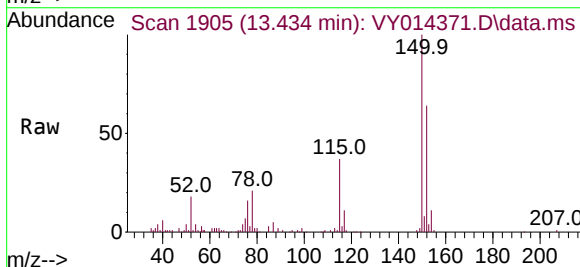


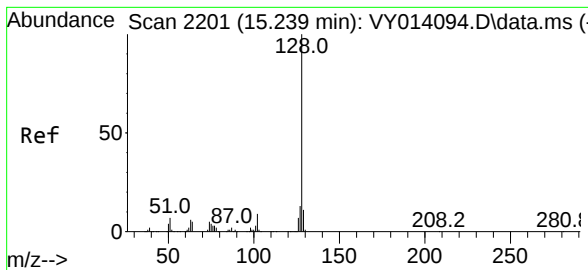
Tgt Ion:164 Resp: 1067
Ion Ratio Lower Upper
164 100
166 103.1 103.0 154.6
129 63.1 77.2 115.8#
131 64.4 69.6 104.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

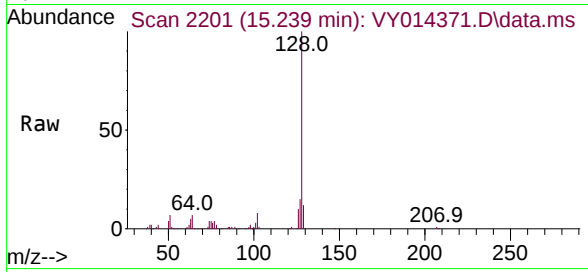
Tgt Ion:152 Resp: 22222
Ion Ratio Lower Upper
152 100
115 55.1 28.8 86.5
150 157.2 0.0 348.8





#95
Naphthalene
Concen: 43.138 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Instrument :
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Tgt Ion:	128	Resp:	42380
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.8	16.2
129	11.5	8.6	13.0

