

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011973.D
 Acq On : 22 Dec 2022 14:38
 Operator : KP/MD
 Sample : N6148-05
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-3052-GRAB-7

Quant Time: Dec 23 04:32:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

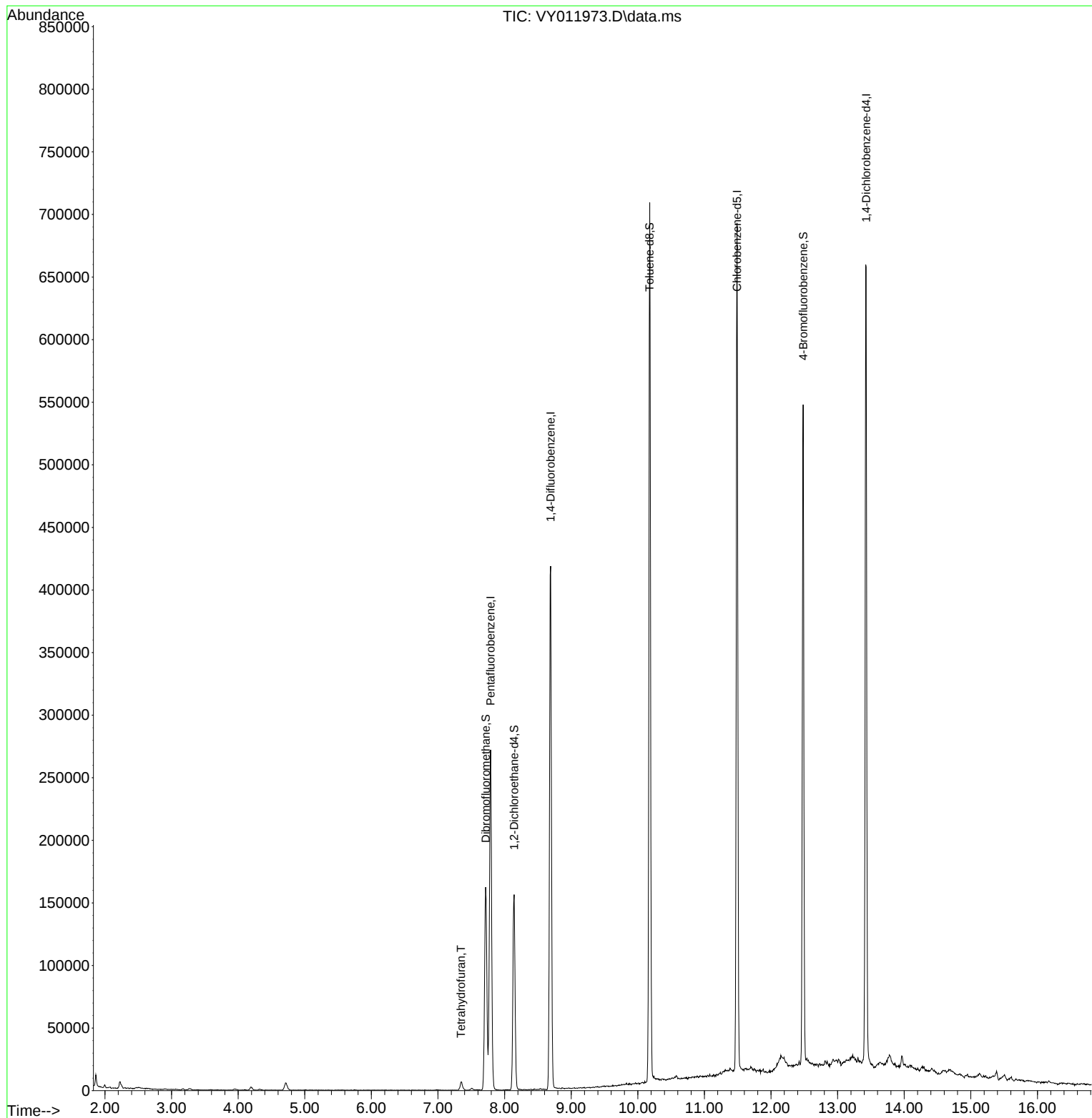
Internal Standards						
1) Pentafluorobenzene	7.789	168	208928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	370450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	369145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	127565	60.604	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.200%	
35) Dibromofluoromethane	7.716	113	114173	51.194	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.380%	
50) Toluene-d8	10.179	98	462020	51.060	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	12.483	95	162384	53.360	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.720%	
Target Compounds						
29) Tetrahydrofuran	7.344	42	4727	11.899	ug/l	Qvalue # 91

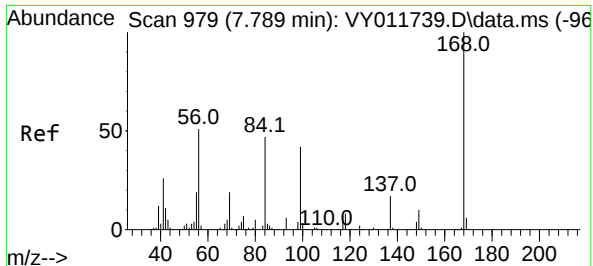
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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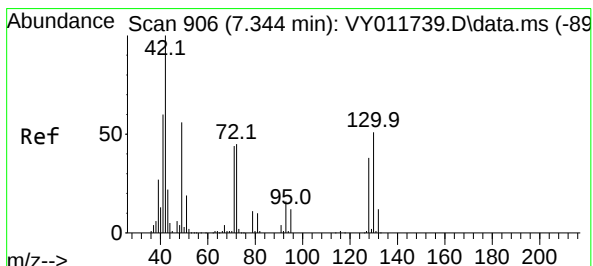
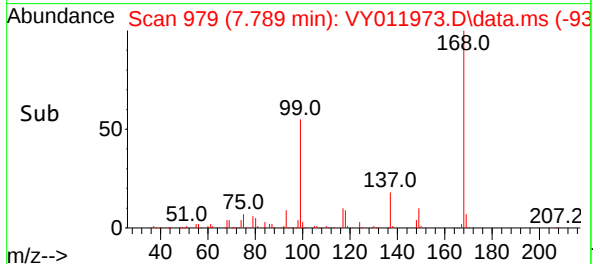
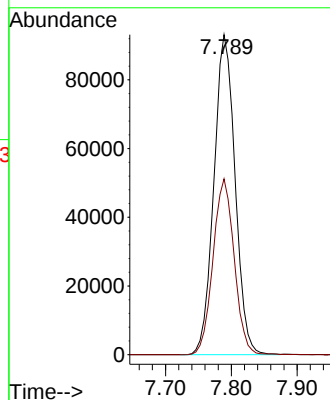
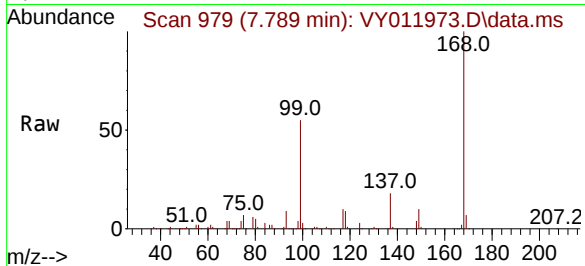




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011973.D
Acq: 22 Dec 2022 14:38

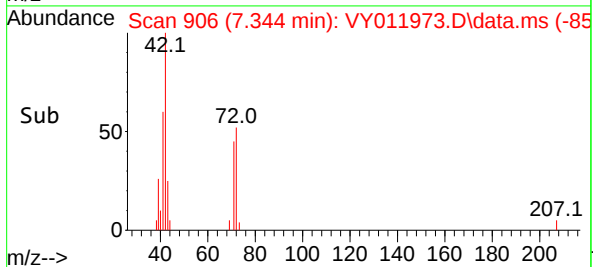
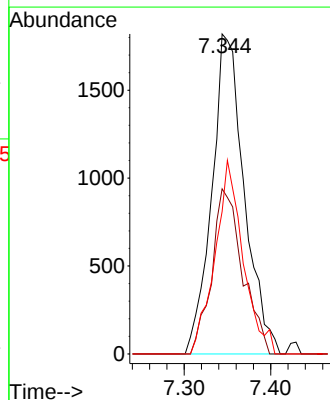
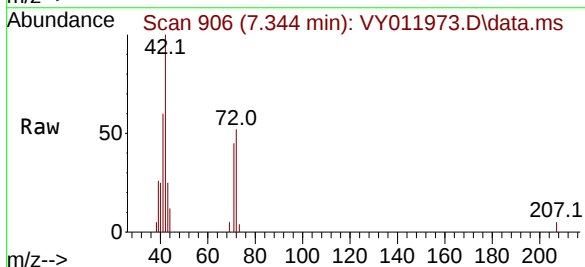
Instrument :
MSVOA_Y
ClientSampleId :
VOC-3052-GRAB-7

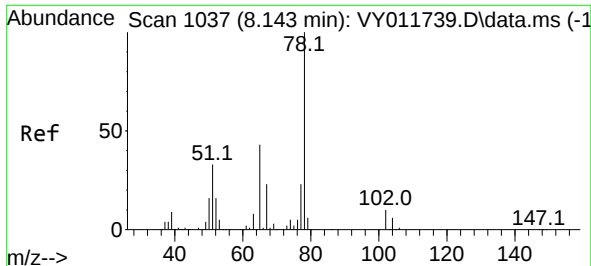
Tgt Ion:168 Resp: 208928
Ion Ratio Lower Upper
168 100
99 55.0 44.0 66.0



#29
Tetrahydrofuran
Concen: 11.899 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY011973.D
Acq: 22 Dec 2022 14:38

Tgt Ion: 42 Resp: 4727
Ion Ratio Lower Upper
42 100
72 49.1 37.0 55.6
71 52.5 34.9 52.3#





#33

1,2-Dichloroethane-d4

Concen: 60.604 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011973.D

Acq: 22 Dec 2022 14:38

Instrument :

MSVOA_Y

ClientSampleId :

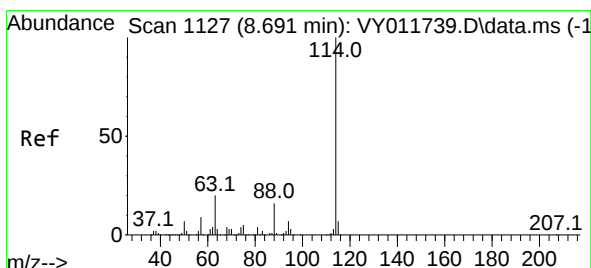
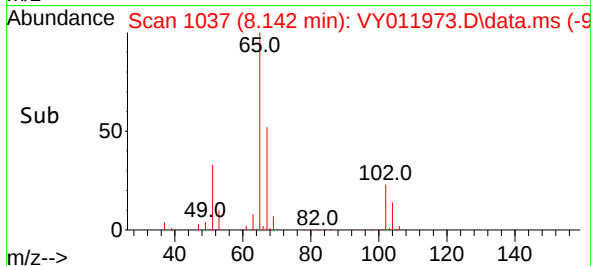
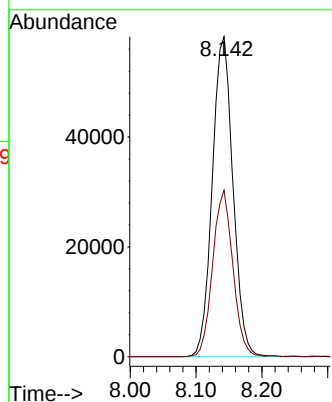
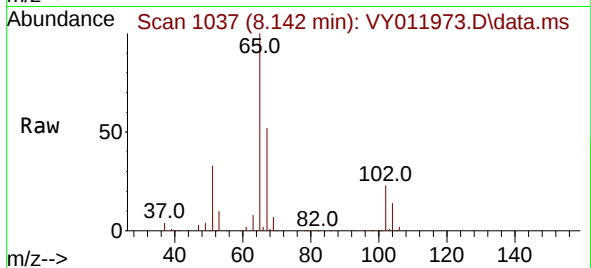
VOC-3052-GRAB-7

Tgt Ion: 65 Resp: 127565

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011973.D

Acq: 22 Dec 2022 14:38

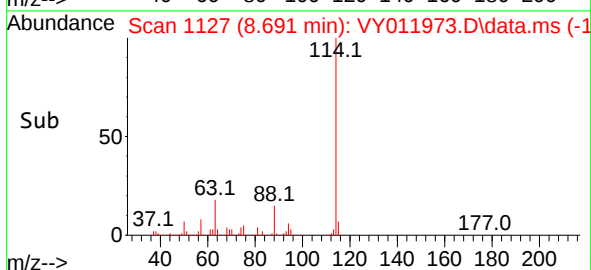
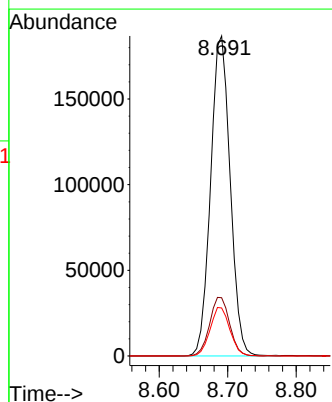
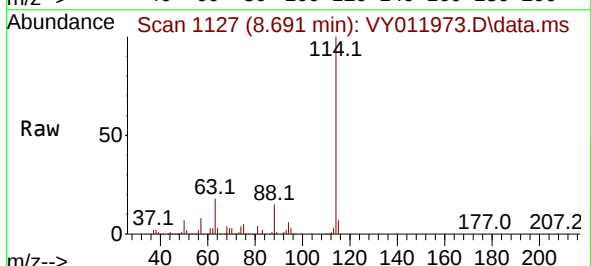
Tgt Ion: 114 Resp: 370450

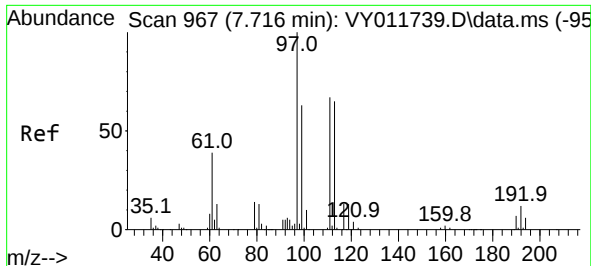
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.0 0.0 32.2

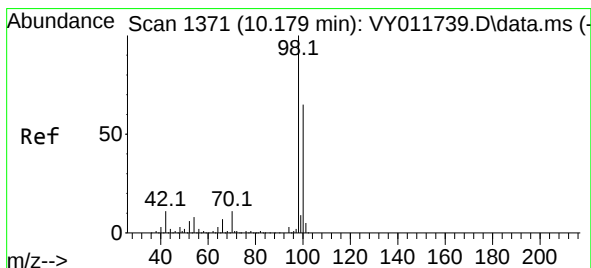
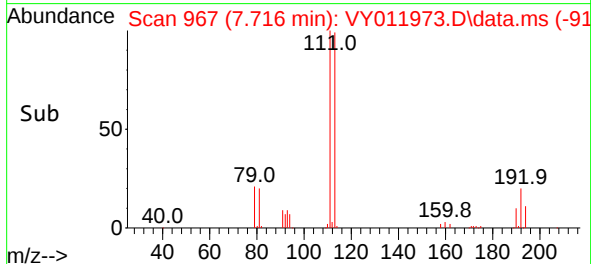
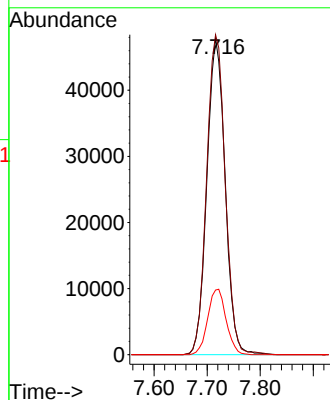
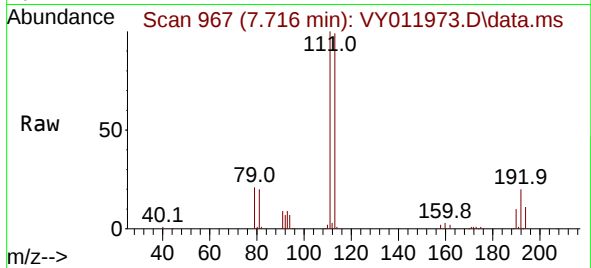




#35
Dibromofluoromethane
Concen: 51.194 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY011973.D
Acq: 22 Dec 2022 14:38

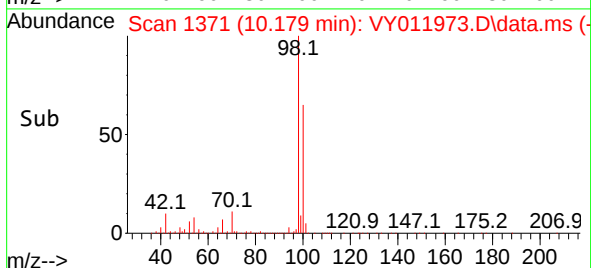
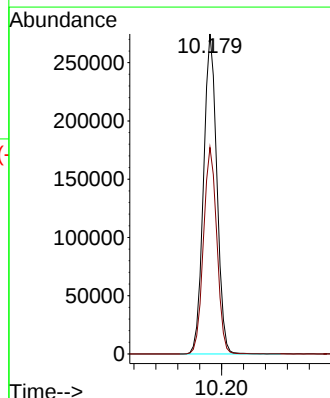
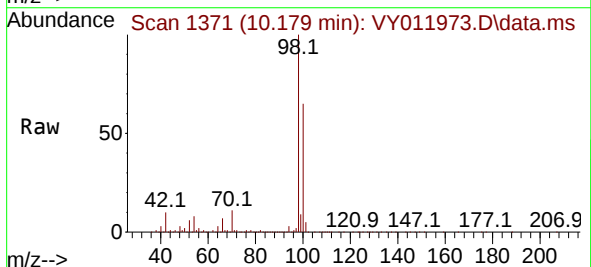
Instrument :
MSVOA_Y
ClientSampleId :
VOC-3052-GRAB-7

Tgt Ion:113 Resp: 114173
Ion Ratio Lower Upper
113 100
111 103.1 83.0 124.4
192 20.9 16.0 24.0



#50
Toluene-d8
Concen: 51.060 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011973.D
Acq: 22 Dec 2022 14:38

Tgt Ion: 98 Resp: 462020
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

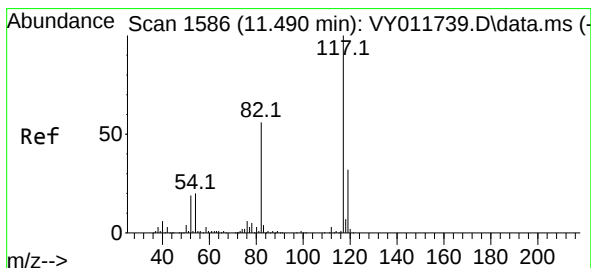
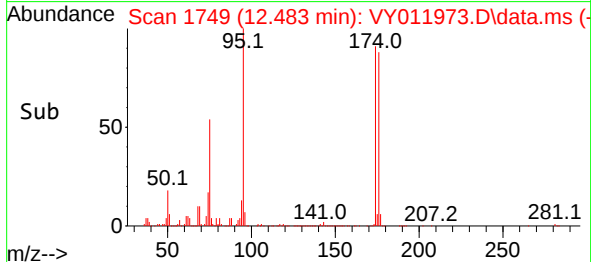
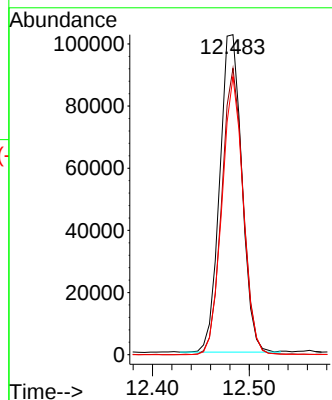
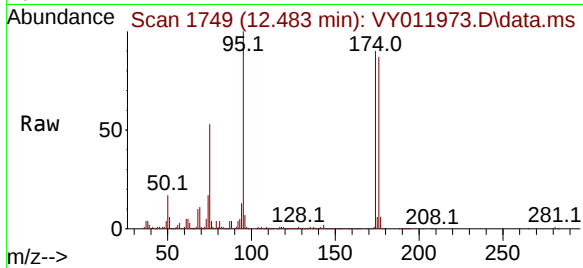




#62
4-Bromofluorobenzene
Concen: 53.360 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011973.D
Acq: 22 Dec 2022 14:38

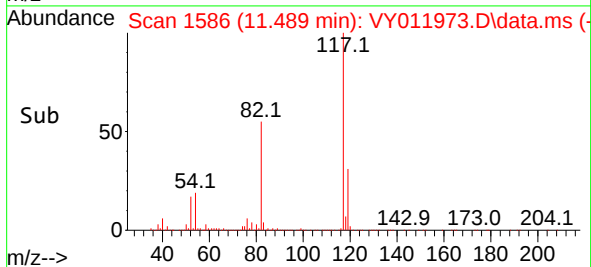
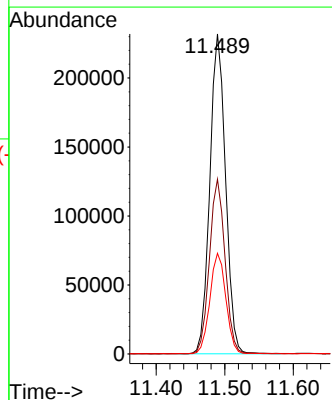
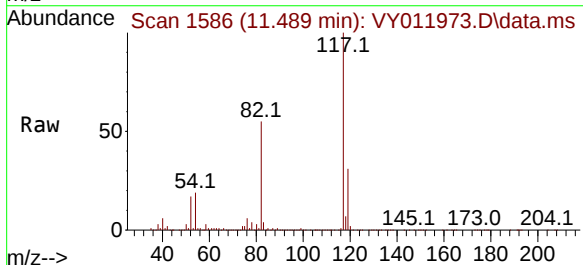
Instrument :
MSVOA_Y
ClientSampleId :
VOC-3052-GRAB-7

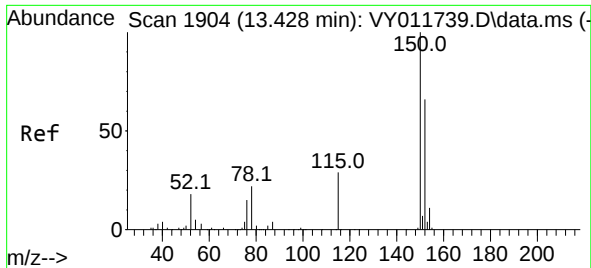
Tgt Ion: 95 Resp: 162384
Ion Ratio Lower Upper
95 100
174 87.7 0.0 172.0
176 84.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011973.D
Acq: 22 Dec 2022 14:38

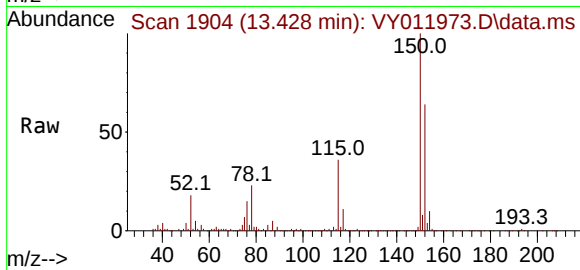
Tgt Ion: 117 Resp: 369145
Ion Ratio Lower Upper
117 100
82 54.5 44.8 67.2
119 31.4 25.4 38.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011973.D
 Acq: 22 Dec 2022 14:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-3052-GRAB-7



Tgt Ion:152 Resp: 172175
 Ion Ratio Lower Upper
 152 100
 115 57.1 29.1 87.3
 150 155.2 0.0 342.6

