Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
Data File : VY011164.D
Acq On : 28 Oct 2022 18:03
Operator : KP/MD
Sample : N5316-14
Misc : 8.17g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

Quant Time: Oct 28 23:46:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 28 23:42:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	316124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	547885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	476750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	205743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	189600	58.003	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.000%			
35) Dibromofluoromethane	7.716	113	185550	55.071	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.140%			
50) Toluene-d8	10.179	98	716627	53.688	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.380%			
62) 4-Bromofluorobenzene	12.477	95	212136	48.571	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.140%			
Target Compounds						Qvalue

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

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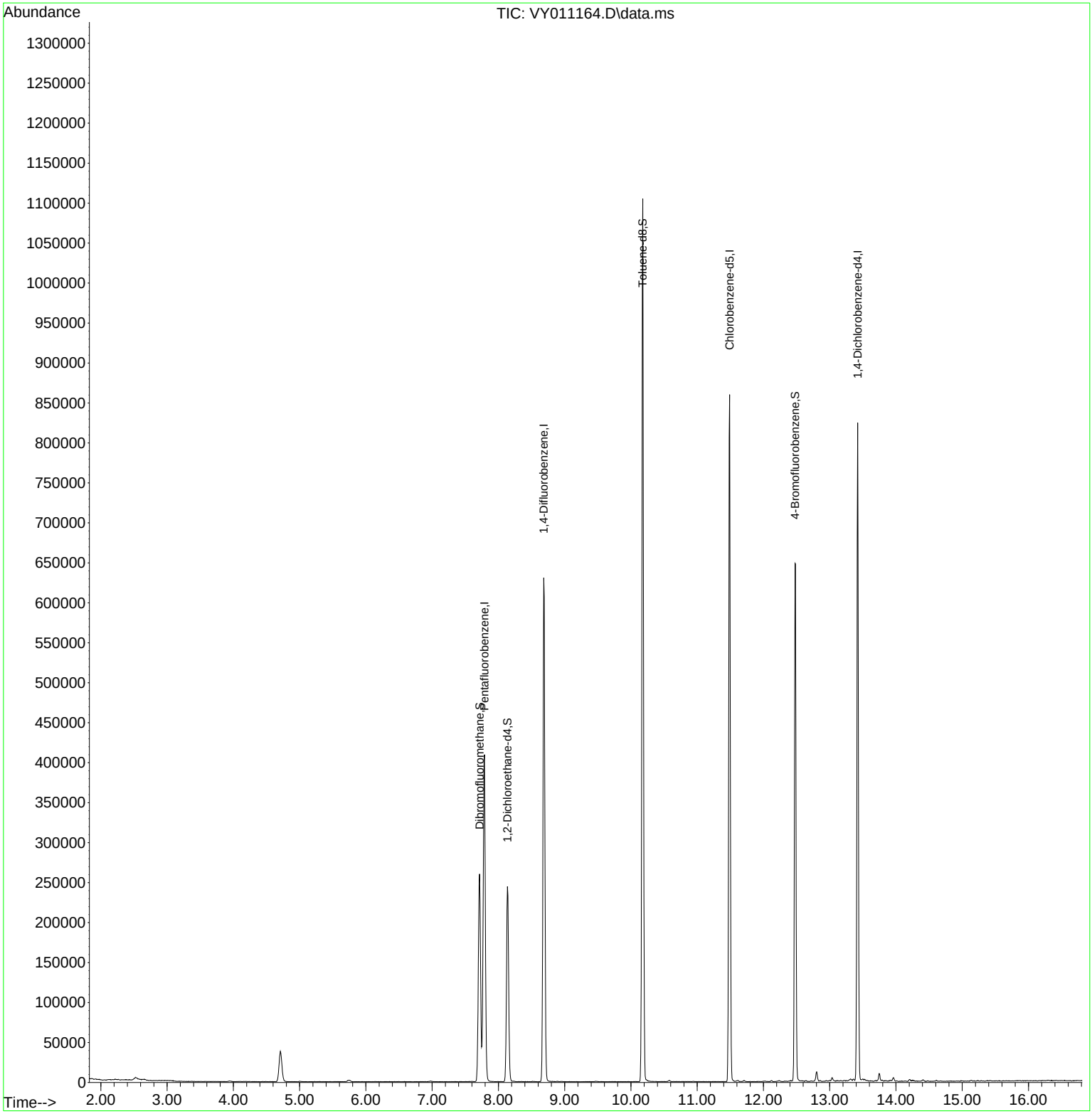
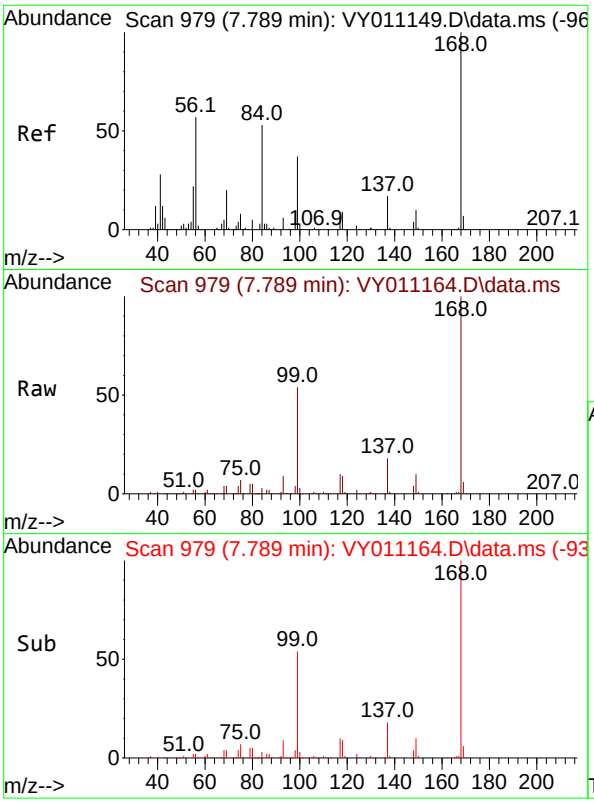


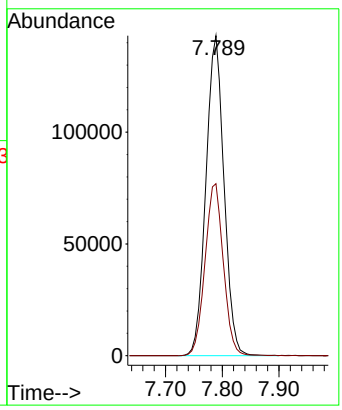


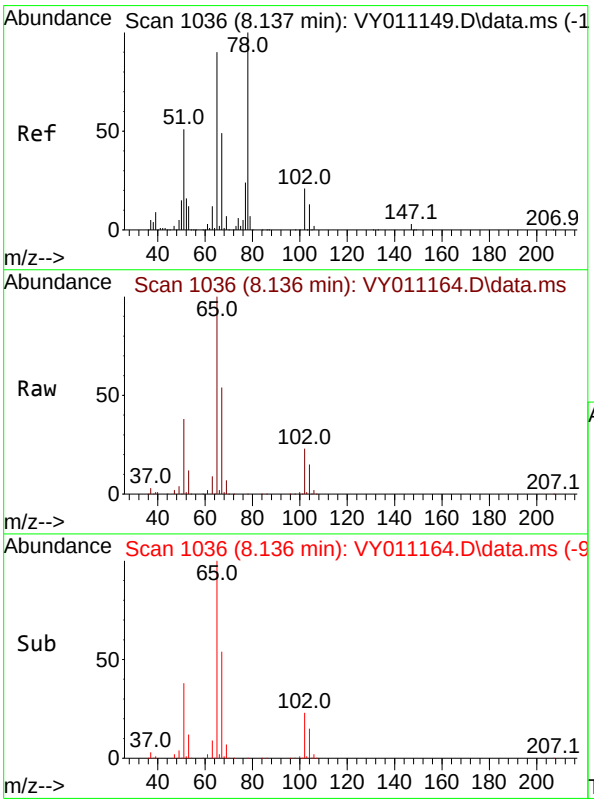
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

Tgt Ion:168 Resp: 316124

Ion	Ratio	Lower	Upper
168	100		
99	53.8	46.9	70.3

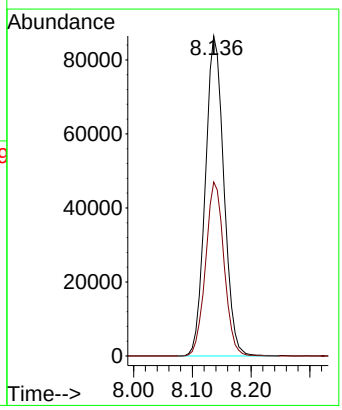


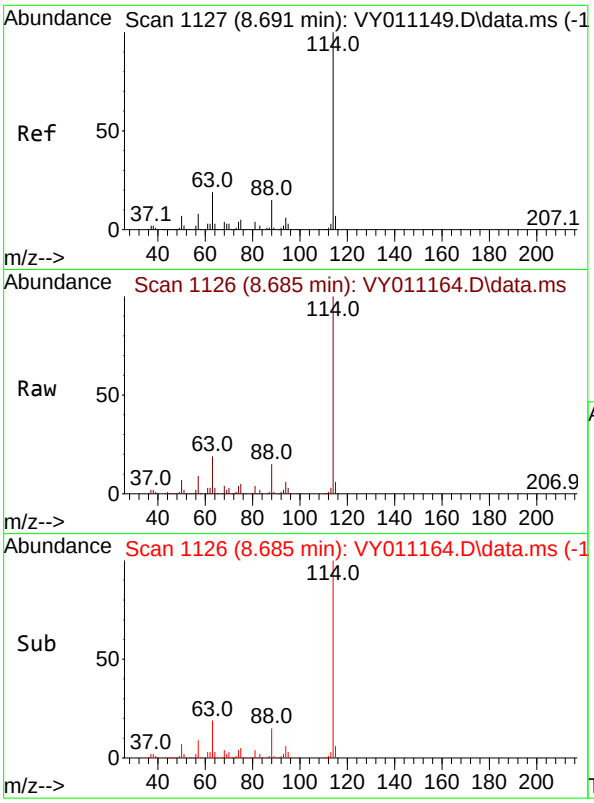


#33
1,2-Dichloroethane-d4
Concen: 58.003 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion: 65 Resp: 189600

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	99.4



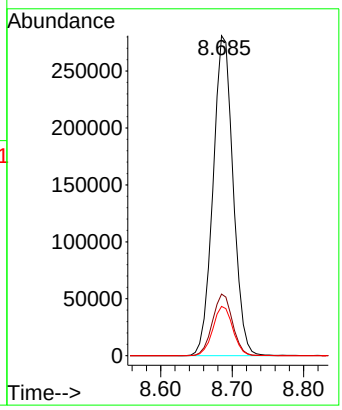


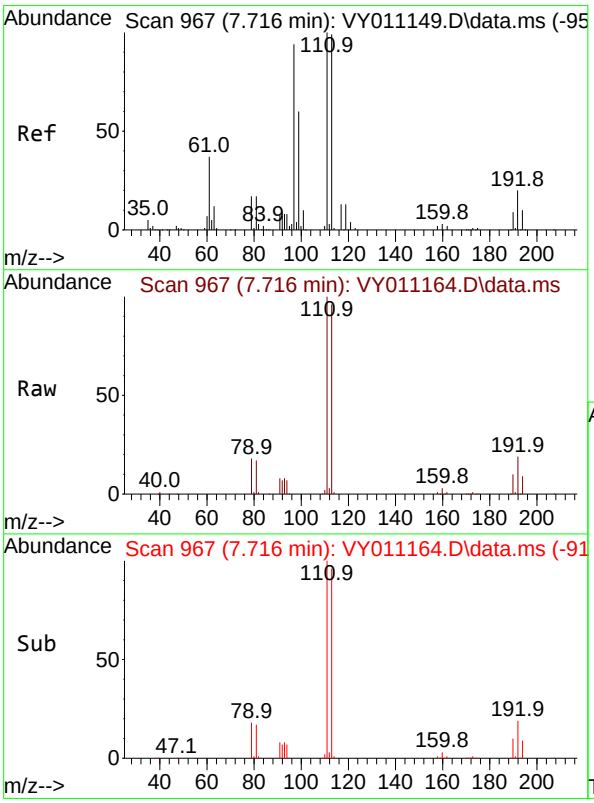
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

Tgt Ion:114 Resp: 547885

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	43.2
88	15.4	0.0	31.8

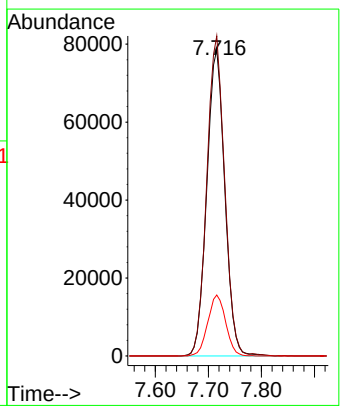


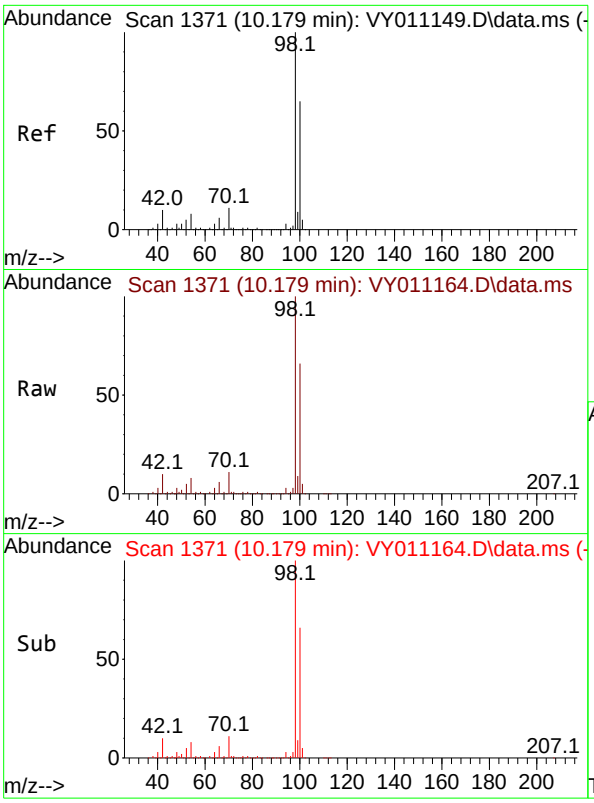


#35
Dibromofluoromethane
Concen: 55.071 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion:113 Resp: 185550

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	124.0
192	19.8	17.6	26.4



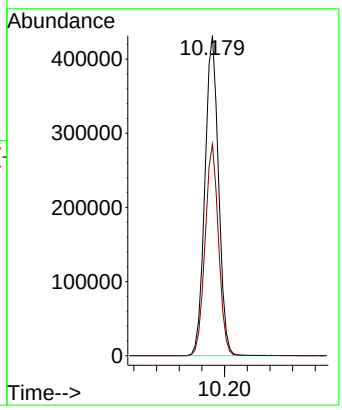


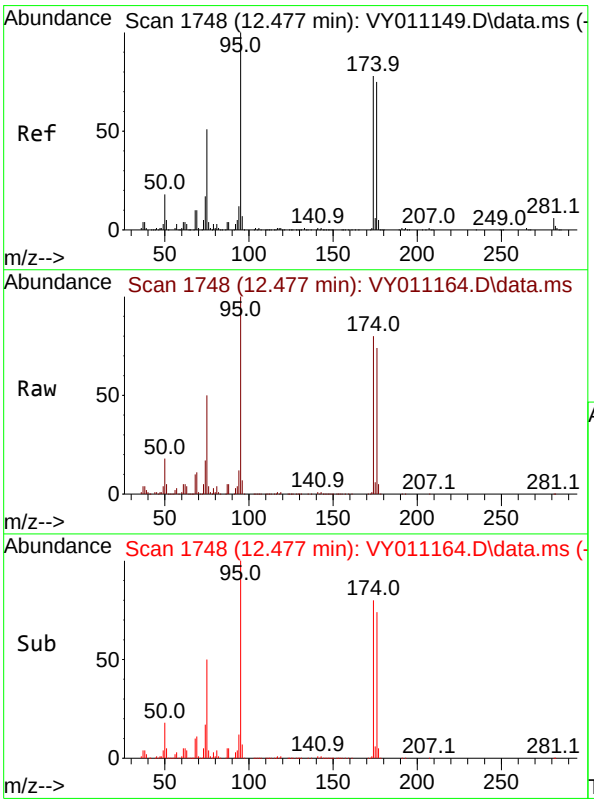
#50
Toluene-d8
Concen: 53.688 ug/l
RT: 10.179 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

Tgt Ion: 98 Resp: 716627

Ion	Ratio	Lower	Upper
98	100		
100	65.2	50.2	75.2

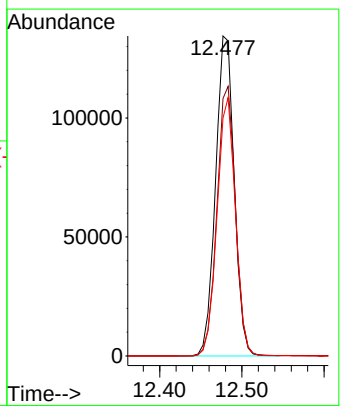


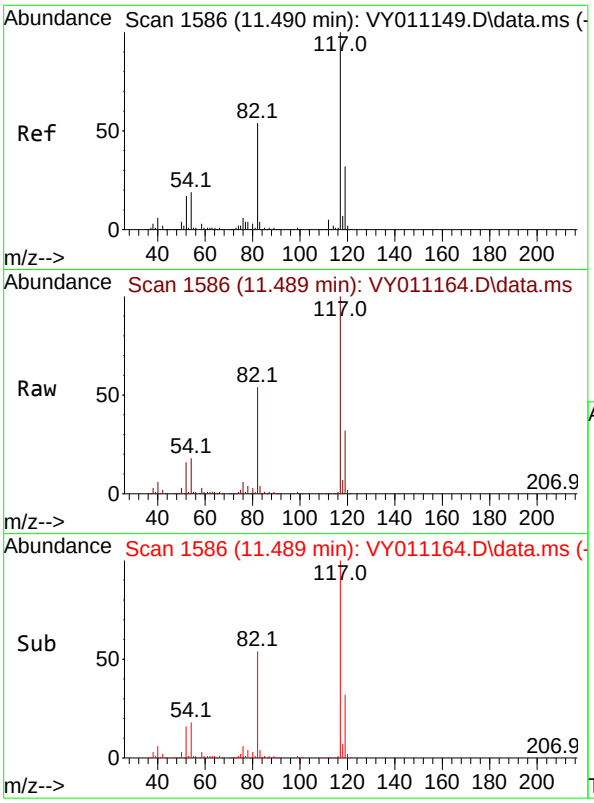


#62
4-Bromofluorobenzene
Concen: 48.571 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion: 95 Resp: 212136

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	177.0
176	79.6	0.0	175.8



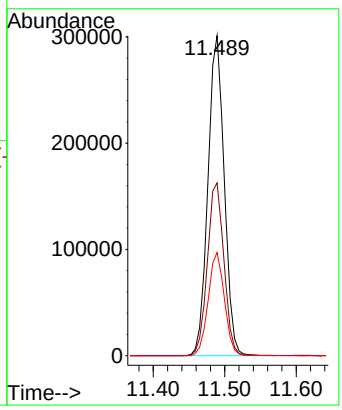


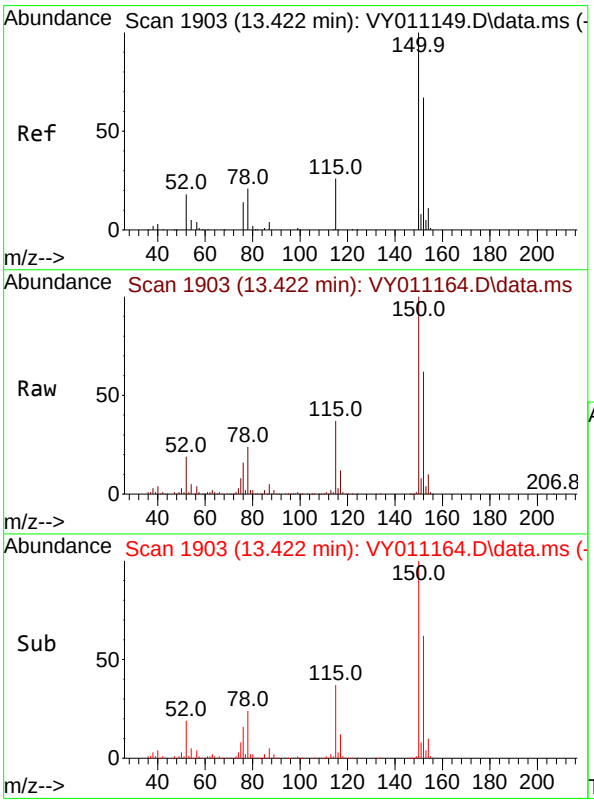
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1
Delta R.T. -0.001 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

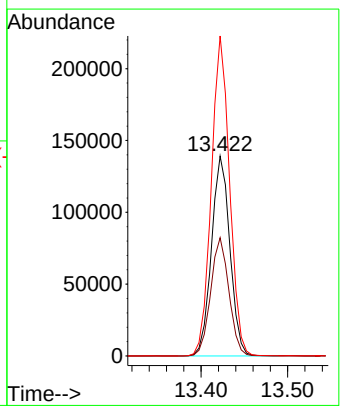
Tgt Ion:117 Resp: 476750

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.0	64.4
119	32.2	25.4	38.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion:152 Resp: 205743

Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.2	84.7
150	158.1	0.0	347.6