Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070820\
Data File : VL035182.D
Acq On : 8 Jul 2020 13:16
Operator : SY/AP
Sample : L3190-01DL2 1200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : PERM-01DL

Quant Time: Jul 09 11:15:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1210716	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2832813	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2601310	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2130026	10.08	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.80%			
Target Compounds						Qvalue
27) Carbon Disulfide	4.53	76	10698183	68.310	ppbv #	79
36) Benzene	6.89	78	20441	0.100	ppbv	93

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

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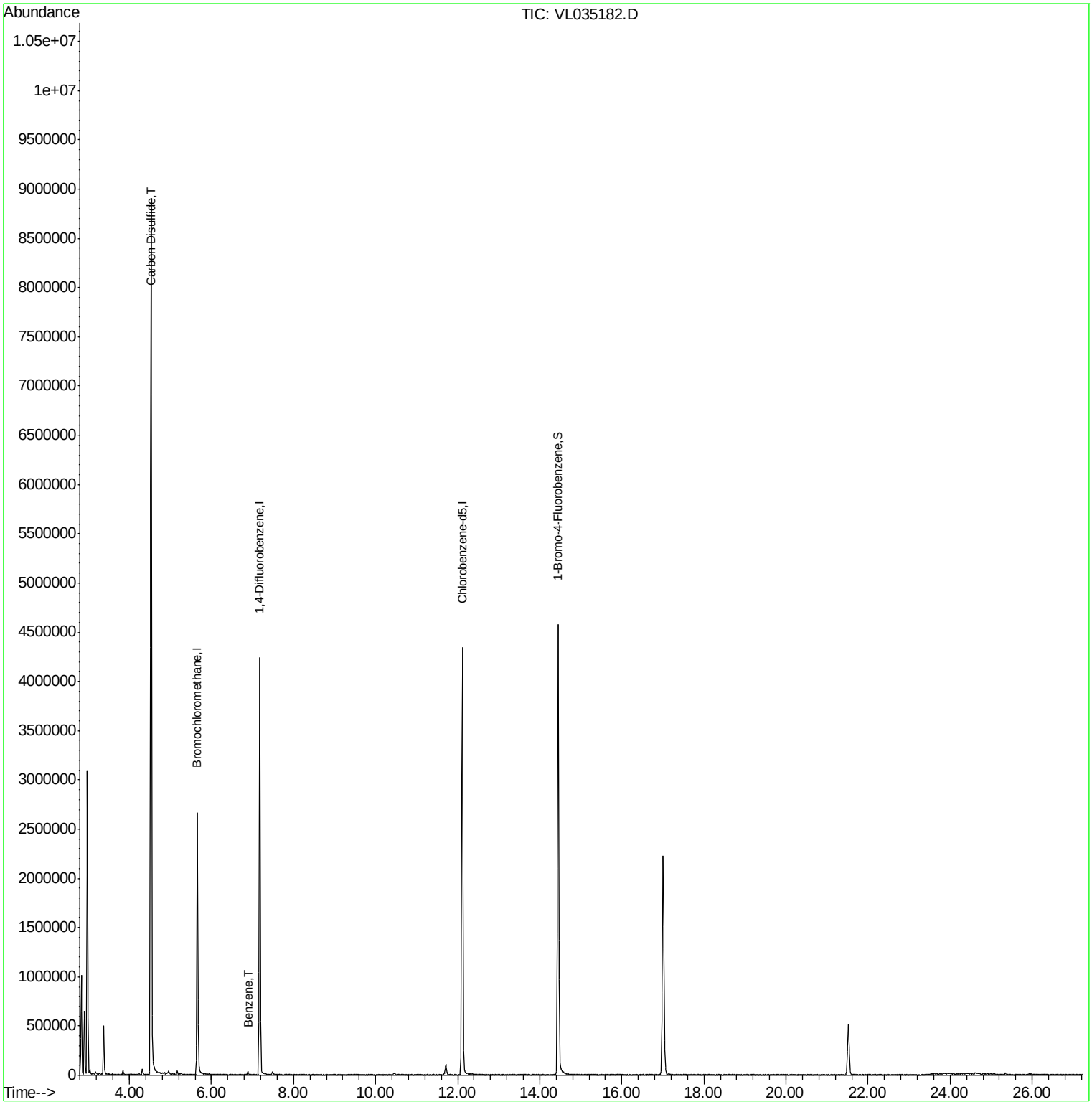
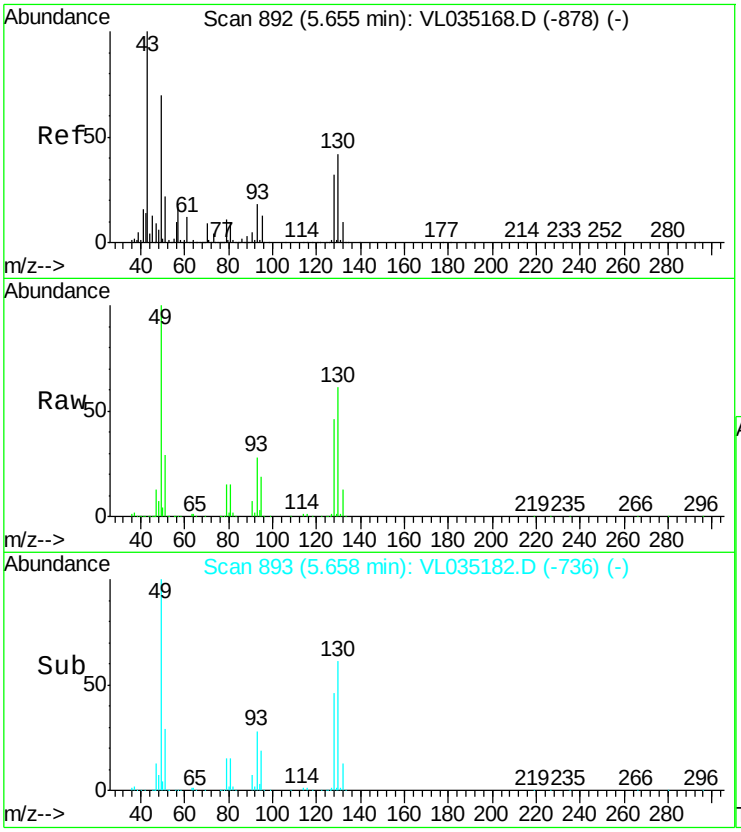


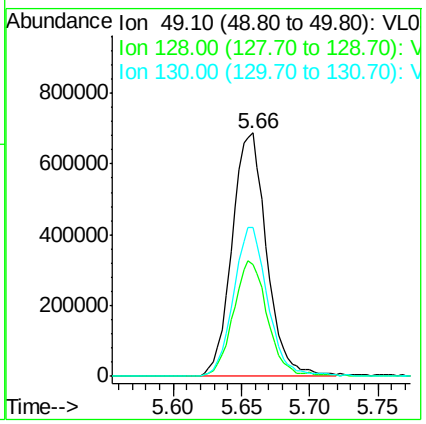


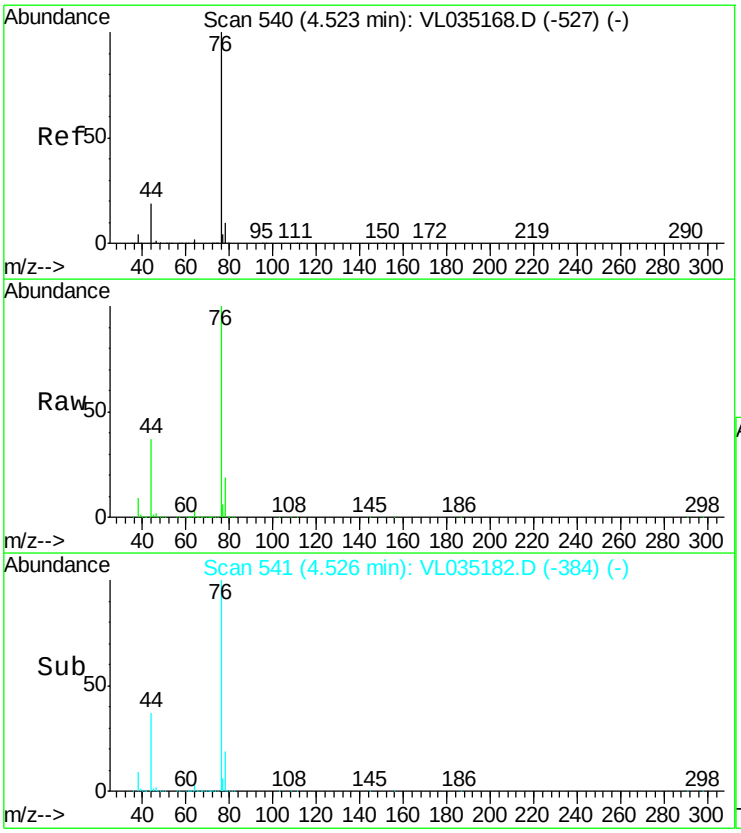
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL035182.D
Acq: 8 Jul 2020 13:16

Instrument :
MSVOA_L
ClientSampleId :
PERM-01DL

Tgt Ion: 49 Resp: 1210716

Ion	Ratio	Lower	Upper
49	100		
128	47.2	23.8	71.4
130	61.2	29.9	89.8

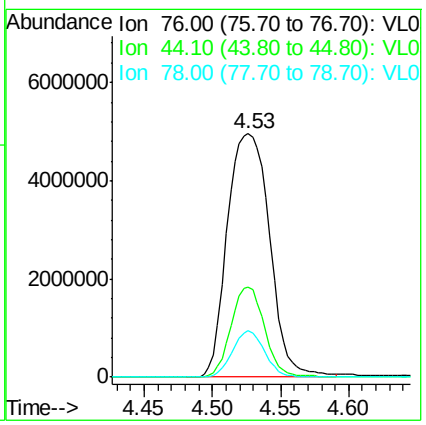


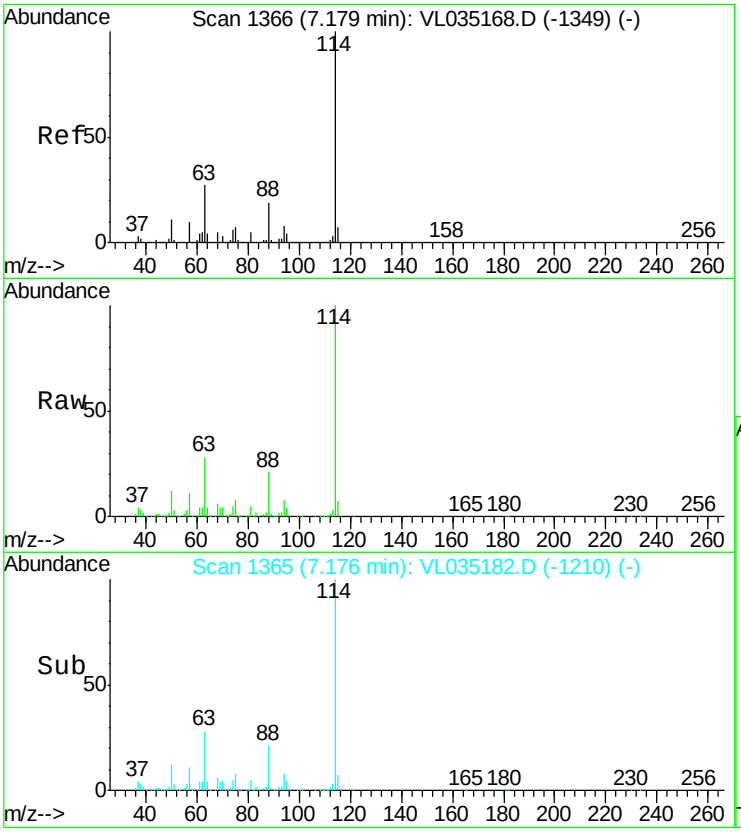


#27
Carbon Disulfide
Concen: 68.310 ppbv
RT: 4.53 min Scan# 541
Delta R.T. 0.00 min
Lab File: VL035182.D
Acq: 8 Jul 2020 13:16

Tgt Ion: 76 Resp:10698183

Ion	Ratio	Lower	Upper
76	100		
44	29.3	14.9	22.3#
78	14.5	7.5	11.3#



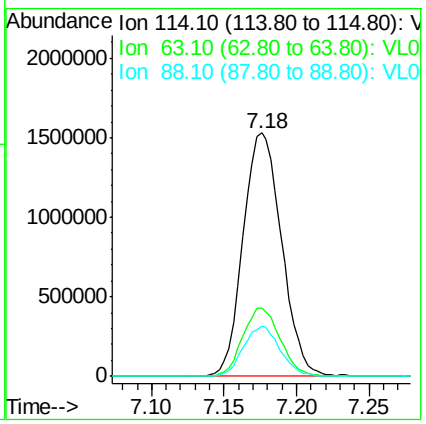


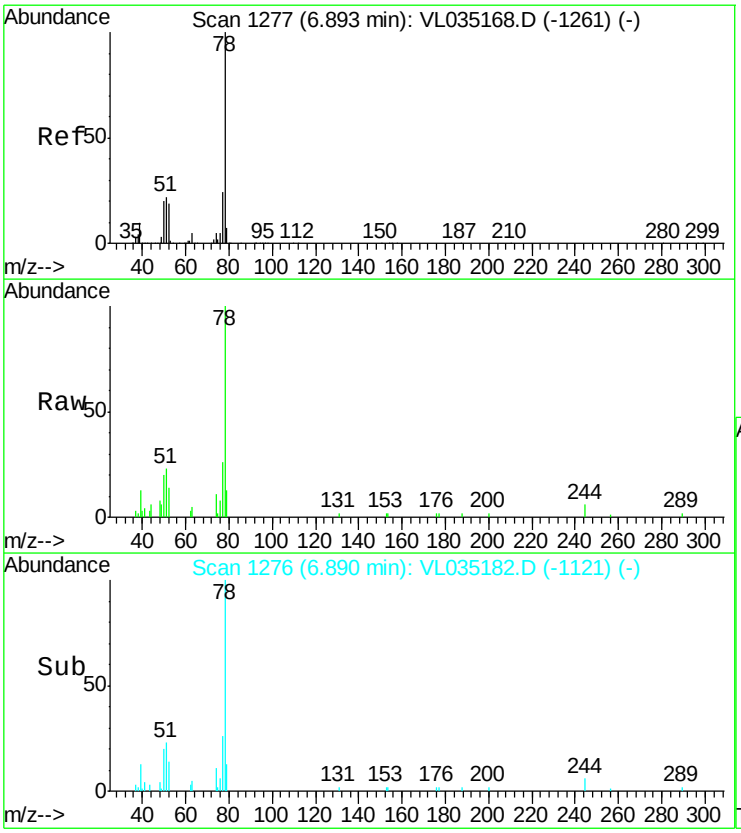
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL035182.D
Acq: 8 Jul 2020 13:16

Instrument :
MSVOA_L
ClientSampleId :
PERM-01DL

Tgt Ion:114 Resp: 2832813

Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.0	33.0
88	19.8	15.4	23.0

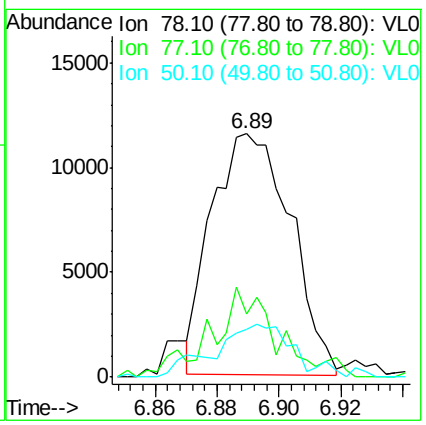


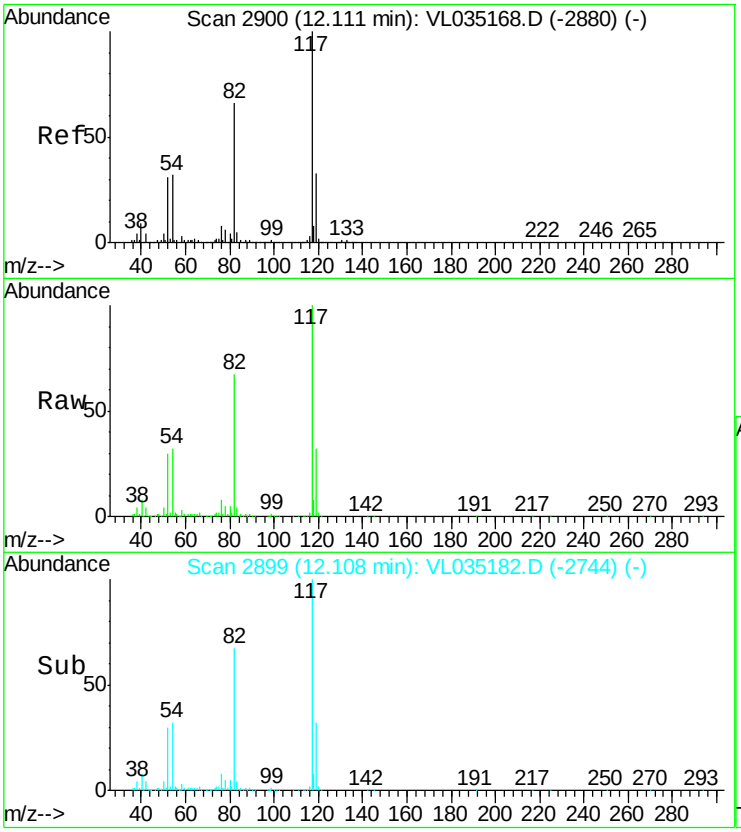


#36
Benzene
Concen: 0.100 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL035182.D
Acq: 8 Jul 2020 13:16

Tgt Ion: 78 Resp: 20441

Ion	Ratio	Lower	Upper
78	100		
77	19.9	19.3	28.9
50	17.8	16.0	24.0



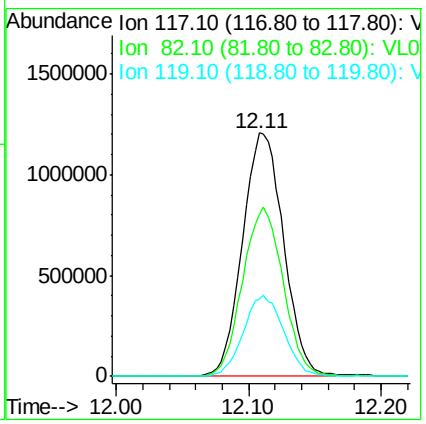


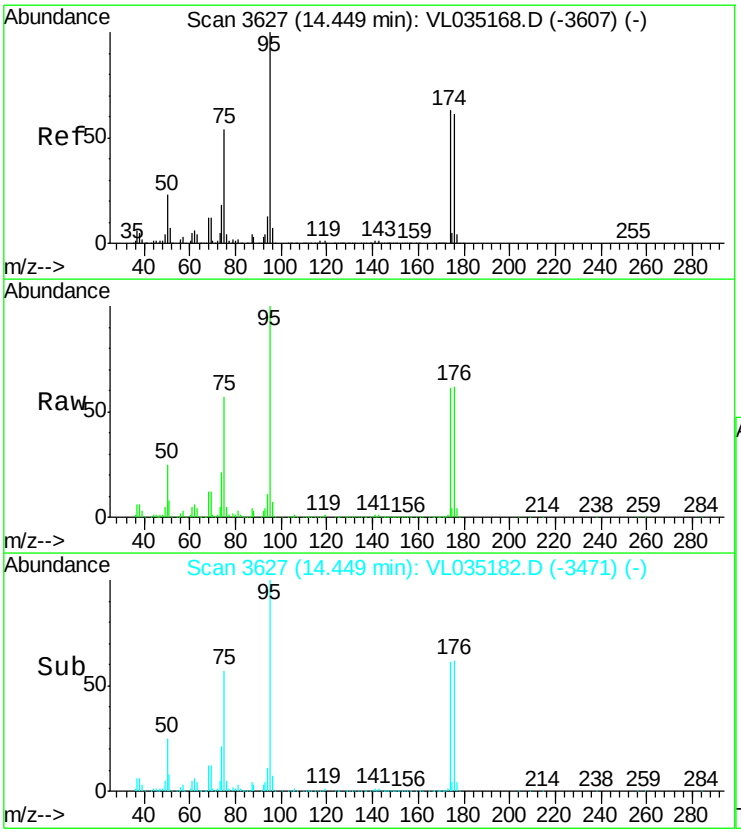
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035182.D
Acq: 8 Jul 2020 13:16

Instrument : MSVOA_L
ClientSampleId : PERM-01DL

Tgt Ion:117 Resp: 2601310

Ion	Ratio	Lower	Upper
117	100		
82	68.9	52.3	78.5
119	32.8	24.9	37.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.080 ppbv
RT: 14.45 min Scan# 3627
Delta R.T. 0.00 min
Lab File: VL035182.D
Acq: 8 Jul 2020 13:16

Tgt Ion: 95 Resp: 2130026

Ion	Ratio	Lower	Upper
95	100		
174	65.4	52.2	78.2
175	4.9	4.0	6.0