Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
Data File : VL034285.D
Acq On : 14 Oct 2019 17:17
Operator : SY/AP
Sample : K5353-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Quant Time: Oct 15 07:23:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1004985	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1654794	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1648109	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1463805	10.22	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.20%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.97	51	26555	0.225	ppbv #	90
13) Ethanol	3.60	45	122250	8.684	ppbv	97
15) Acetone	3.86	43	79703	0.592	ppbv	92

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

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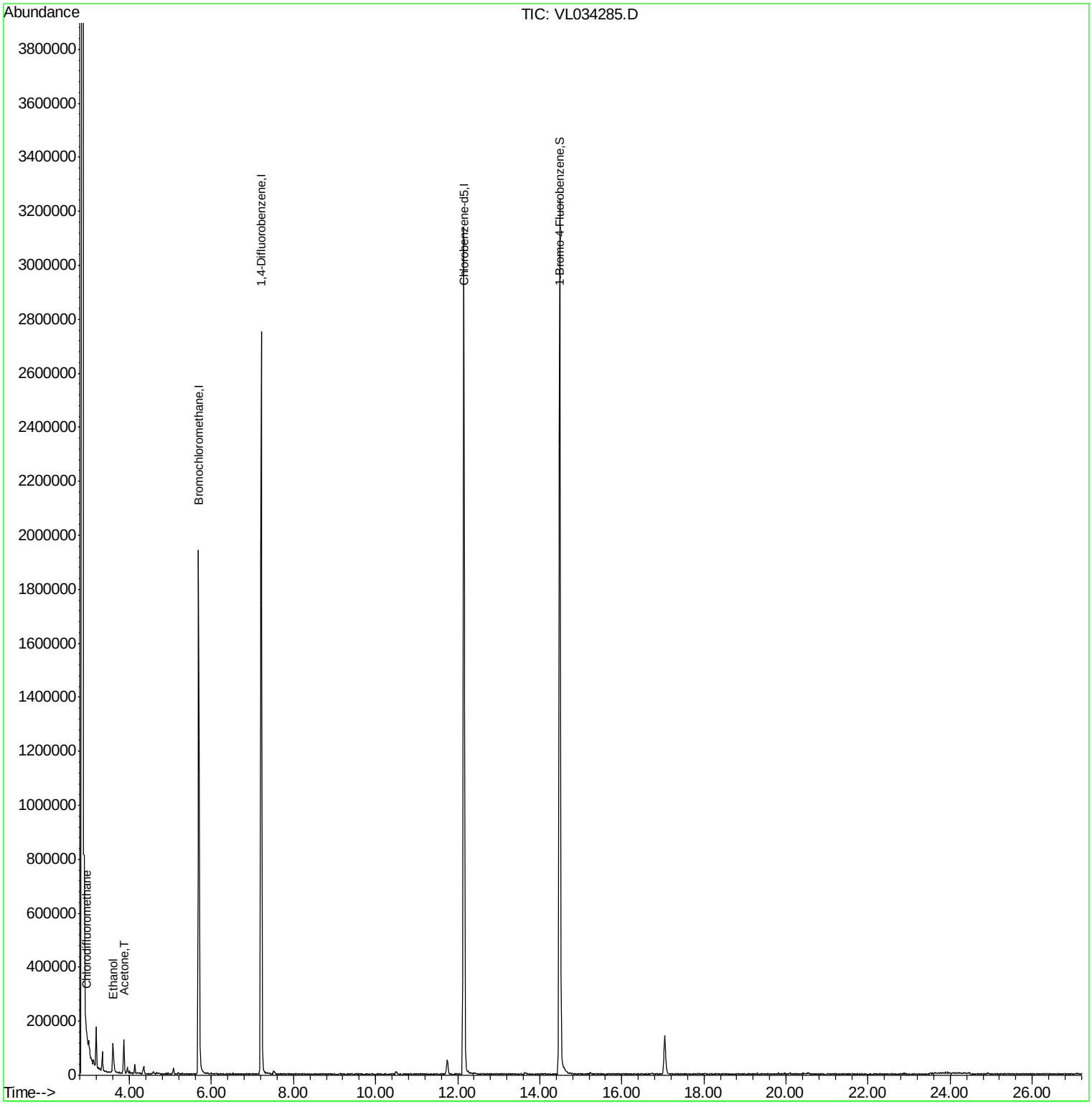
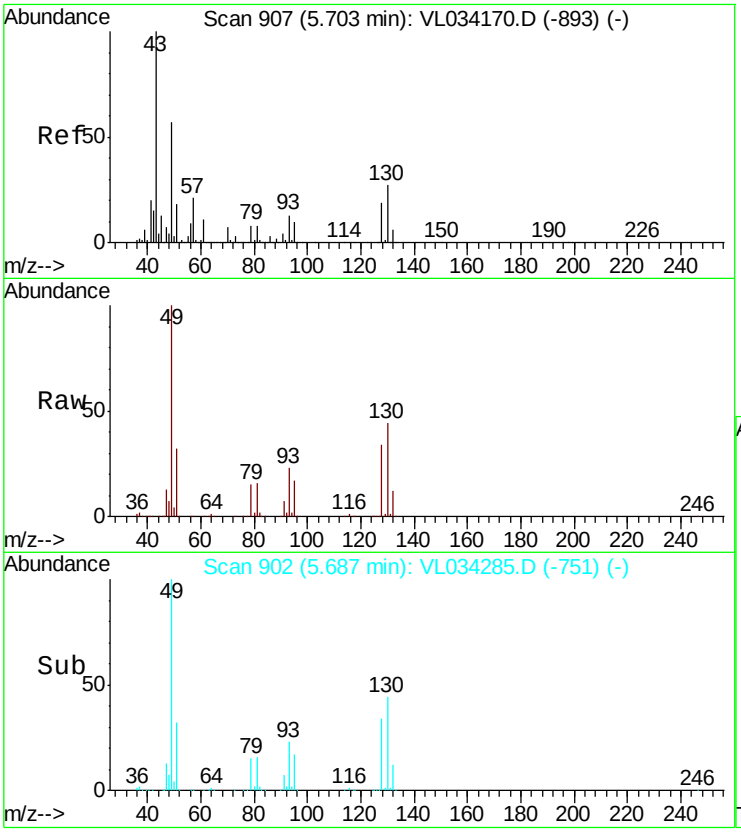


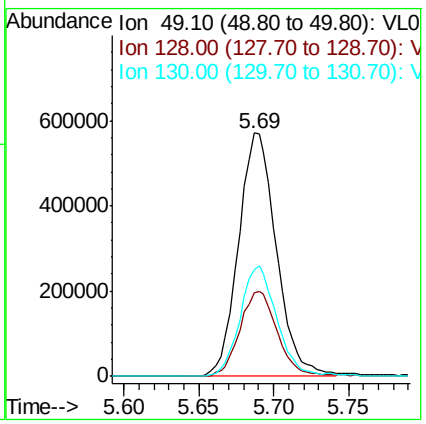


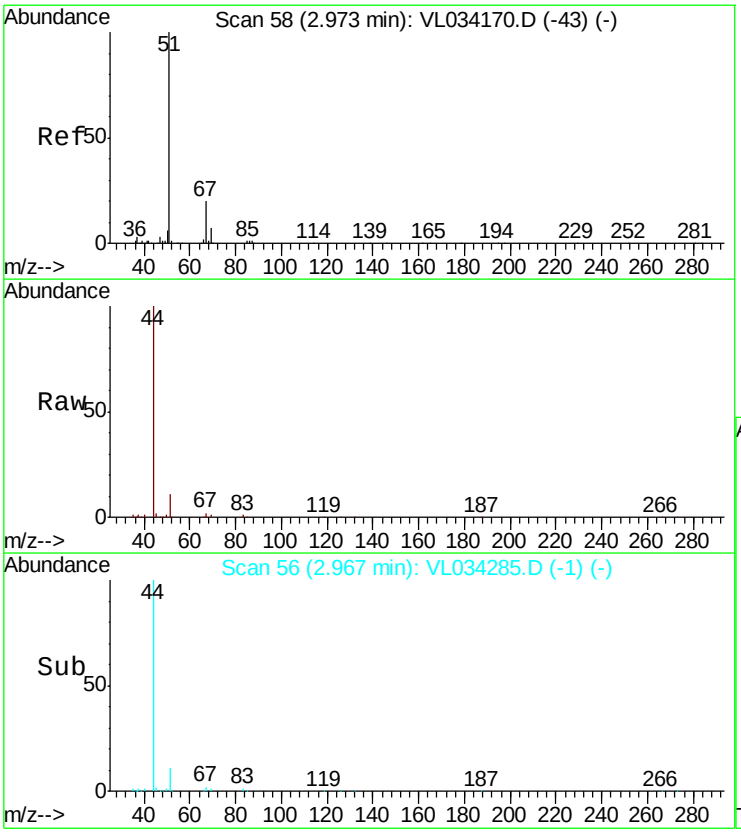
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.02 min
Lab File: VL034285.D
Acq: 14 Oct 2019 17:17

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 49 Resp: 1004985

Ion	Ratio	Lower	Upper
49	100		
128	34.9	17.6	52.9
130	44.9	22.3	66.9

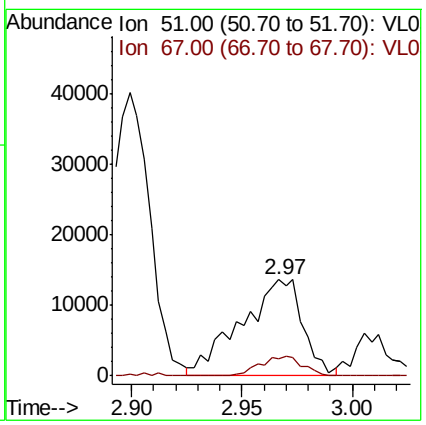


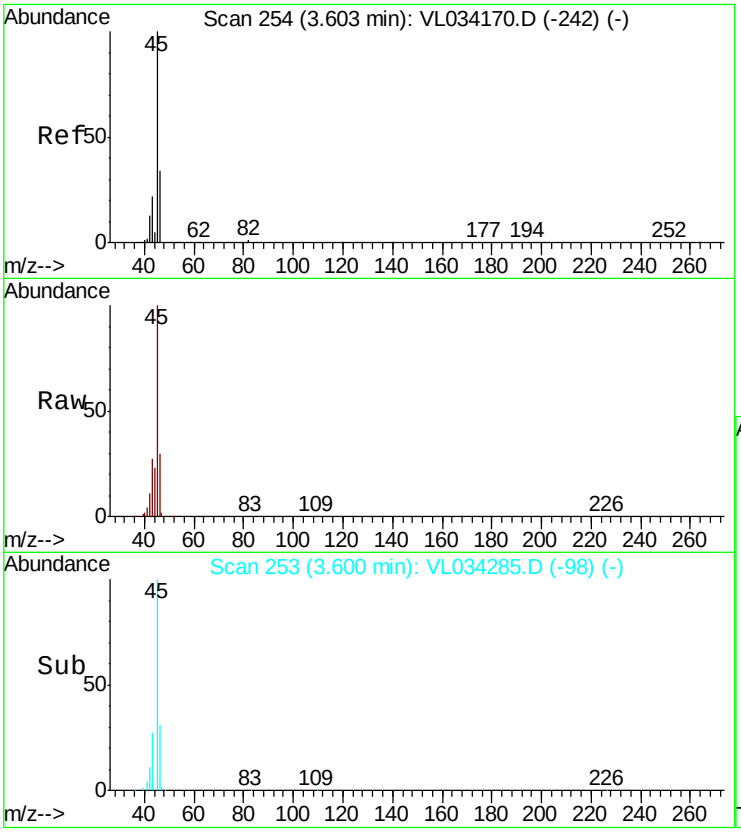


#3
Chlorodifluoromethane
Concen: 0.225 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.01 min
Lab File: VL034285.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 51 Resp: 26555

Ion	Ratio	Lower	Upper
51	100		
67	14.1	14.8	22.2#



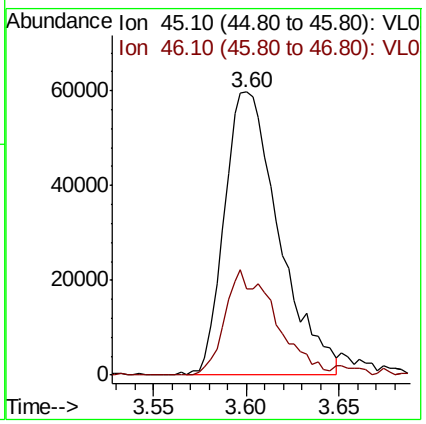


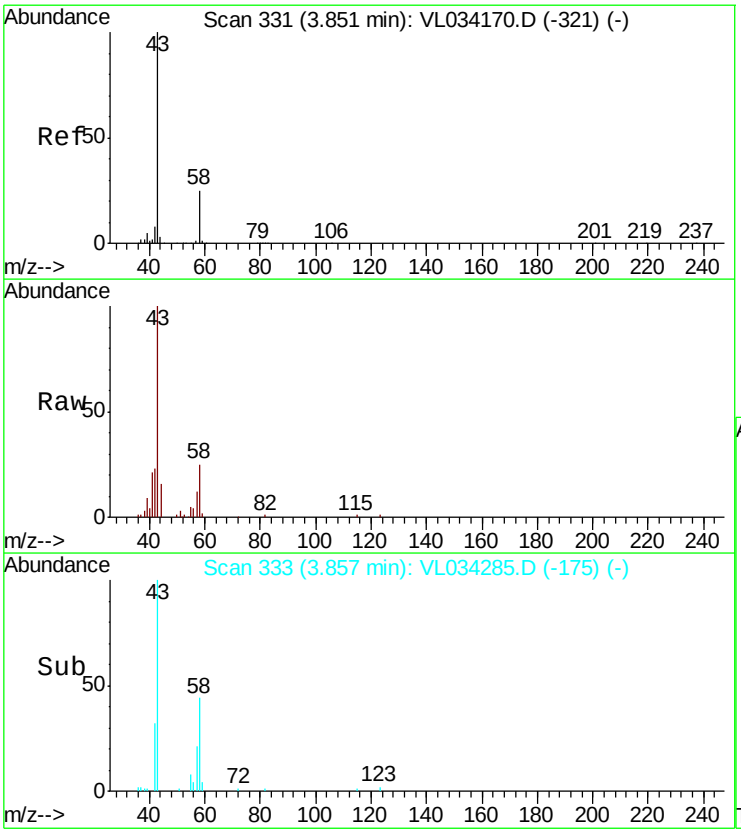
#13
Ethanol
Concen: 8.684 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034285.D
Acq: 14 Oct 2019 17:17

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 45 Resp: 122250

Ion	Ratio	Lower	Upper
45	100		
46	36.9	15.5	61.9

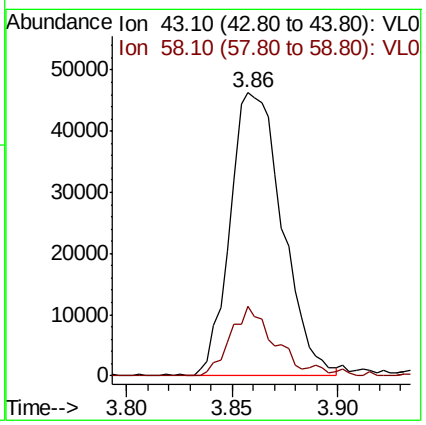


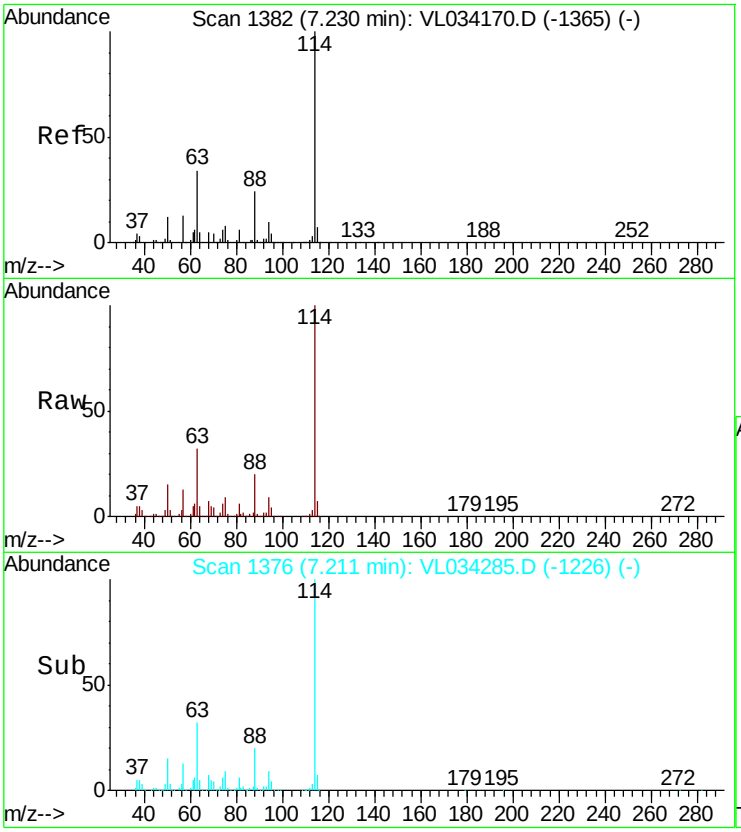


#15
Acetone
Concen: 0.592 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL034285.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 43 Resp: 79703

Ion	Ratio	Lower	Upper
43	100		
58	21.7	20.5	30.7



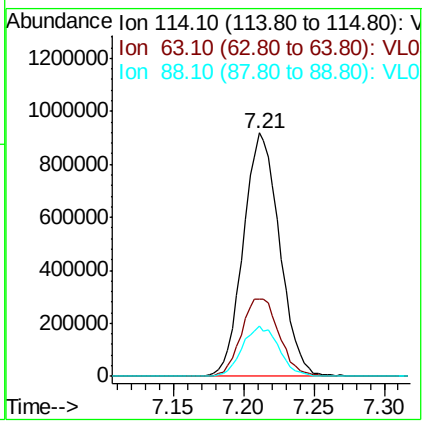


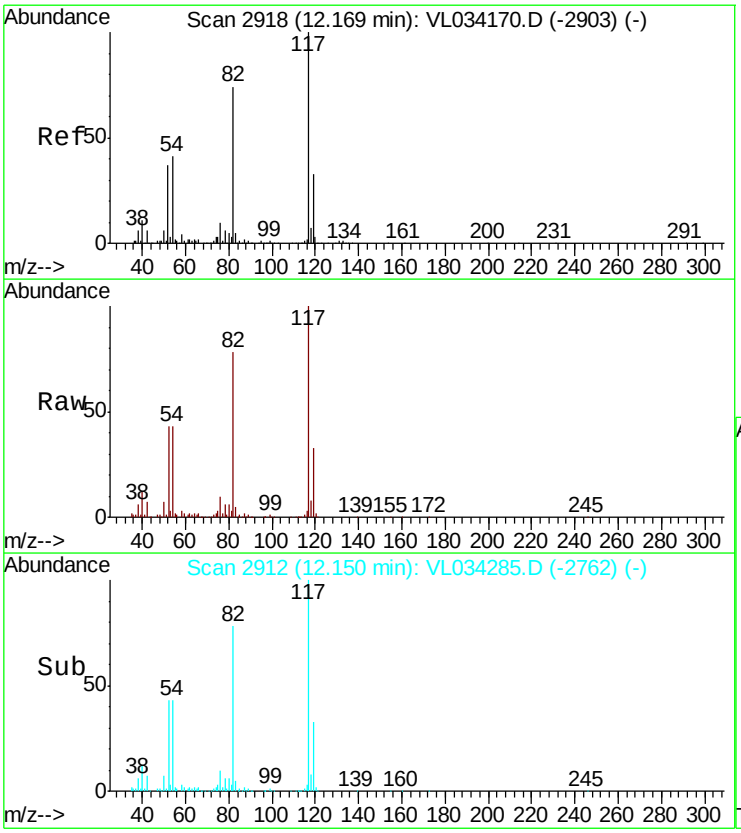
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034285.D
Acq: 14 Oct 2019 17:17

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion:114 Resp: 1654794

Ion	Ratio	Lower	Upper
114	100		
63	33.4	27.8	41.6
88	20.7	17.1	25.7

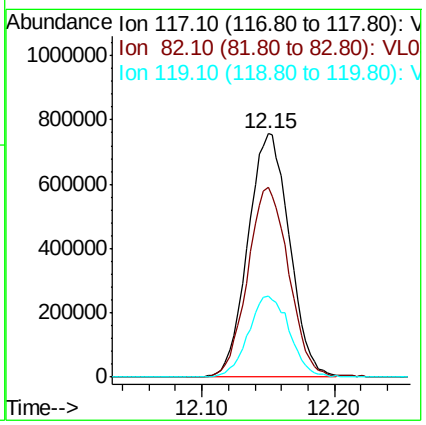


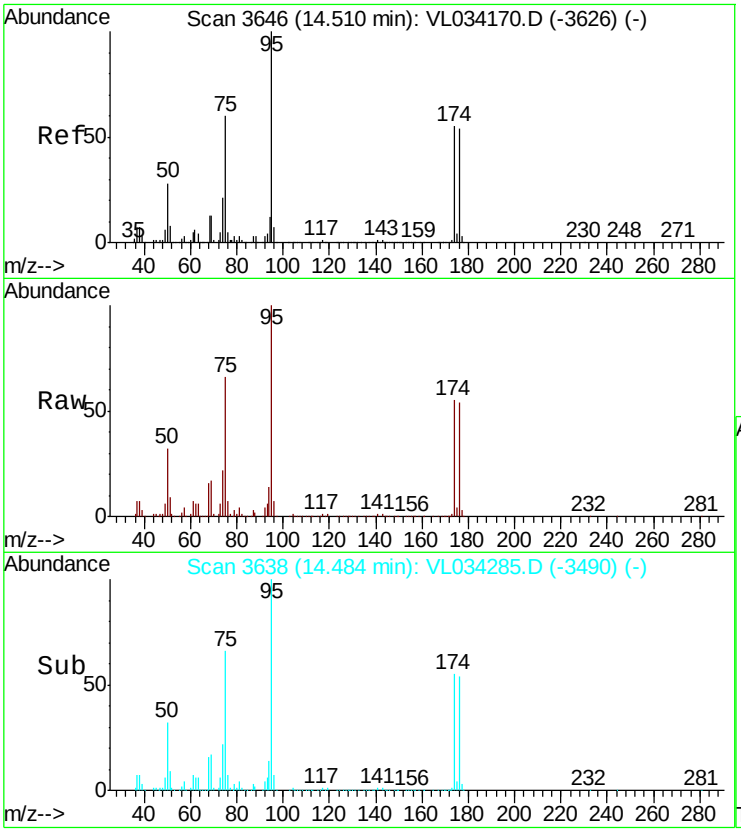


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034285.D
Acq: 14 Oct 2019 17:17

Tgt Ion:117 Resp: 1648109

Ion	Ratio	Lower	Upper
117	100		
82	77.5	58.2	87.4
119	33.1	23.7	35.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.221 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. -0.03 min
Lab File: VL034285.D
Acq: 14 Oct 2019 17:17

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 95 Resp: 1463805

Ion	Ratio	Lower	Upper
95	100		
174	54.8	45.1	67.7
175	3.9	3.3	4.9