Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035763.D
Acq On : 12 Oct 2020 15:58
Operator : SY/AP
Sample : L4347-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 2DL

Quant Time: Oct 13 23:05:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1185619	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4599516	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4544286	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3347457	9.83	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.30%			
Target Compounds						Qvalue
9) Propene	3.01	41	12338	0.266	ppbv #	71
13) Ethanol	3.59	45	185466	16.239	ppbv	100
15) Acetone	3.84	43	403864	3.166	ppbv	99
19) Isopropyl Alcohol	3.97	45	75760	1.092	ppbv #	92
26) Hexane	5.68	57	40189	0.319	ppbv	87
34) 2-Butanone	5.25	43	16392	0.108	ppbv	94
53) Toluene	9.81	91	317839	0.899	ppbv	95

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

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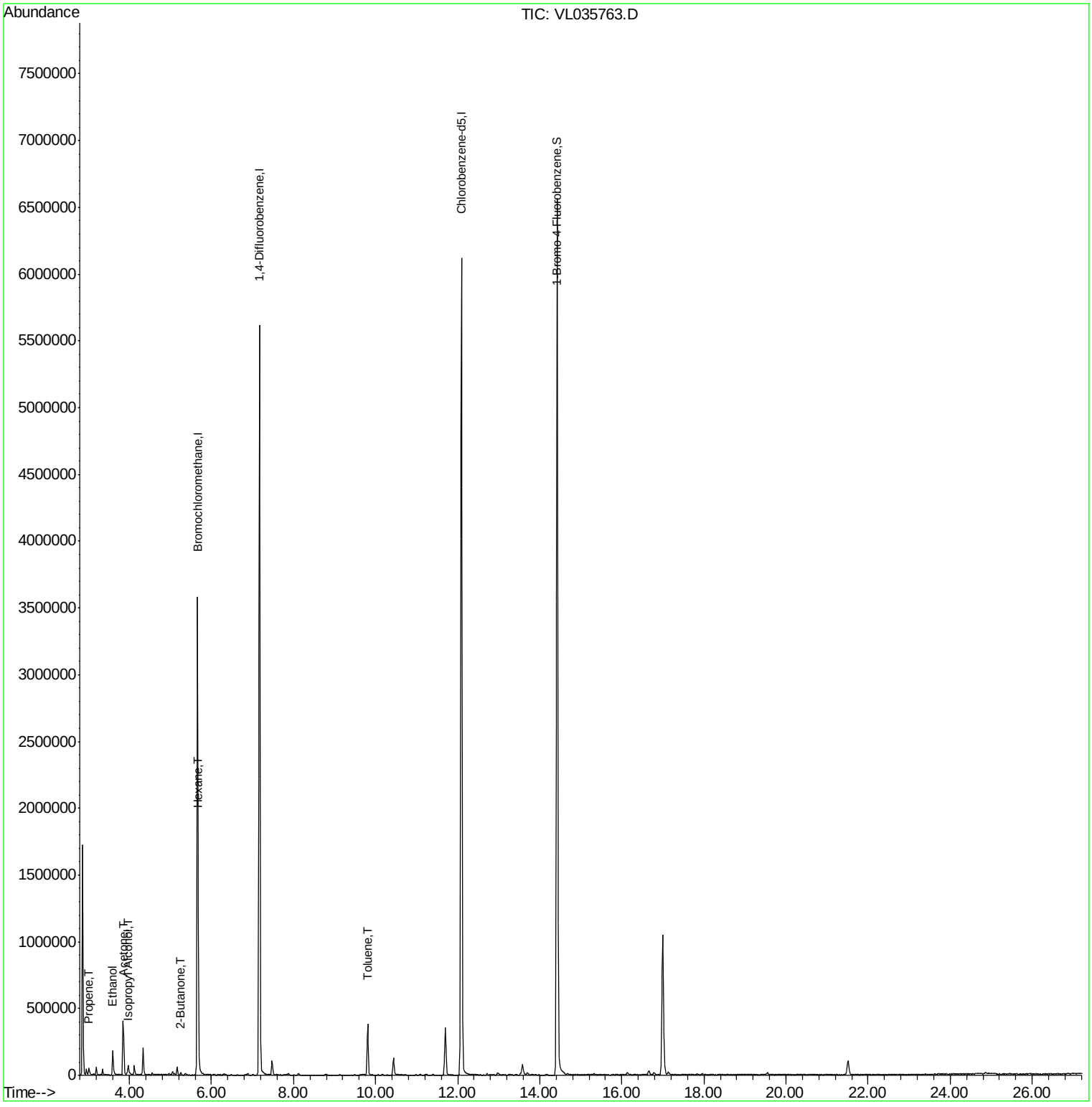
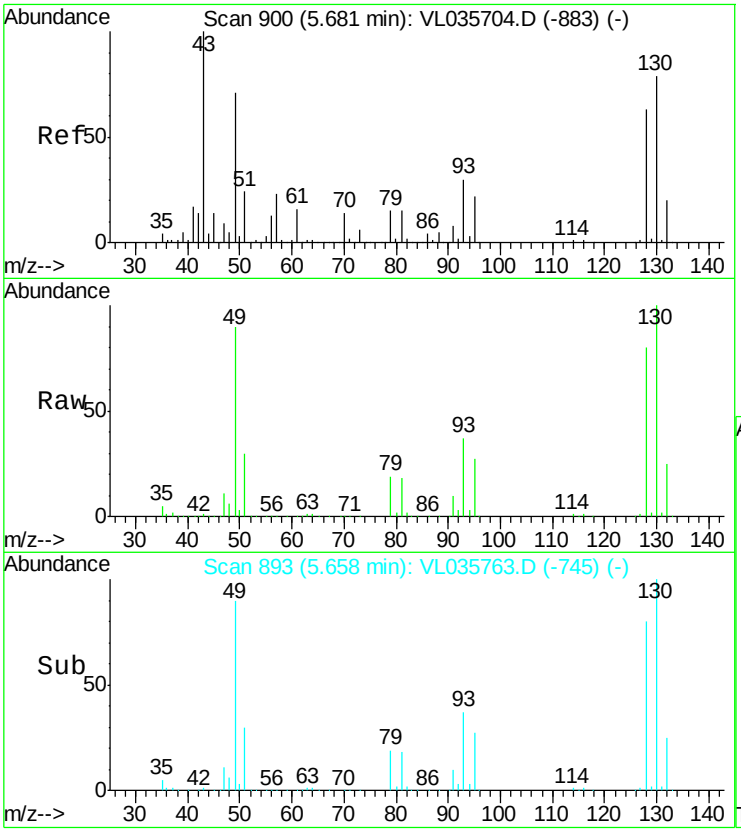


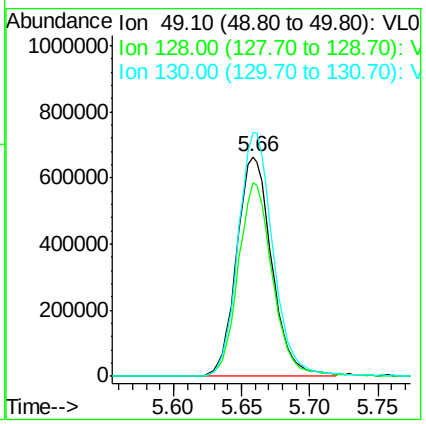


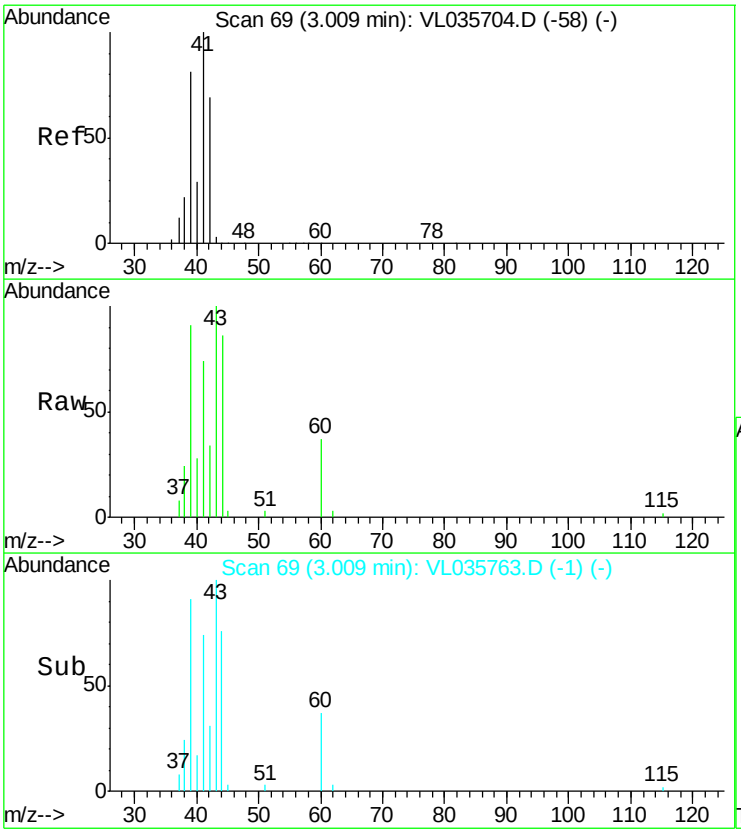
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035763.D
Acq: 12 Oct 2020 15:58

Instrument :
MSVOA_L
ClientSampleId :
2DL

Tgt Ion: 49 Resp: 1185619

Ion	Ratio	Lower	Upper
49	100		
128	87.0	43.1	129.4
130	111.7	54.9	164.7

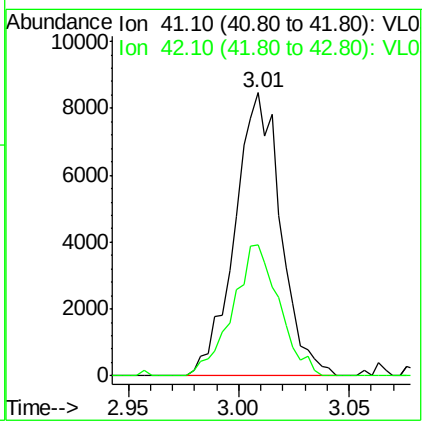


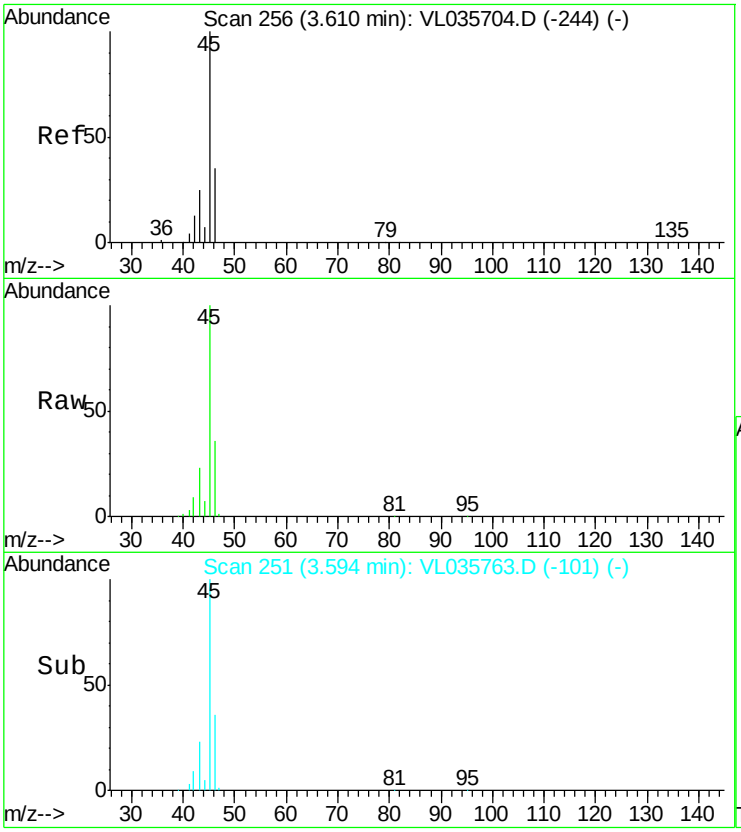


#9
Propene
Concen: 0.266 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL035763.D
Acq: 12 Oct 2020 15:58

Tgt Ion: 41 Resp: 12338

Ion	Ratio	Lower	Upper
41	100		
42	46.7	56.2	84.4#

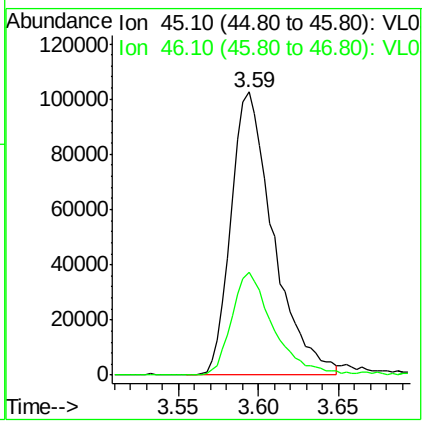




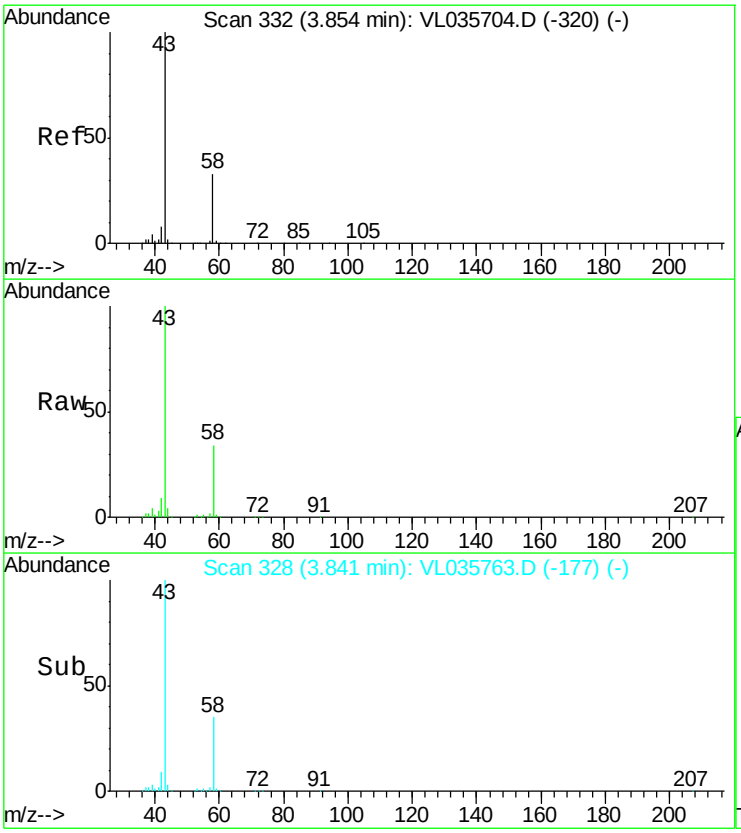
#13
Ethanol
Concen: 16.239 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.02 min
Lab File: VL035763.D
Acq: 12 Oct 2020 15:58

Tgt Ion: 45 Resp: 185466

Ion	Ratio	Lower	Upper
45	100		
46	36.5	14.7	58.7



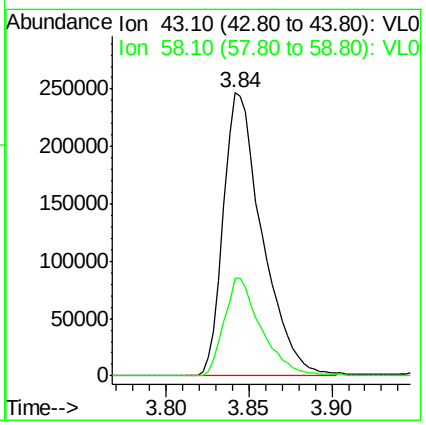
Instrument :
MSVOA_L
ClientSampleId :
2DL

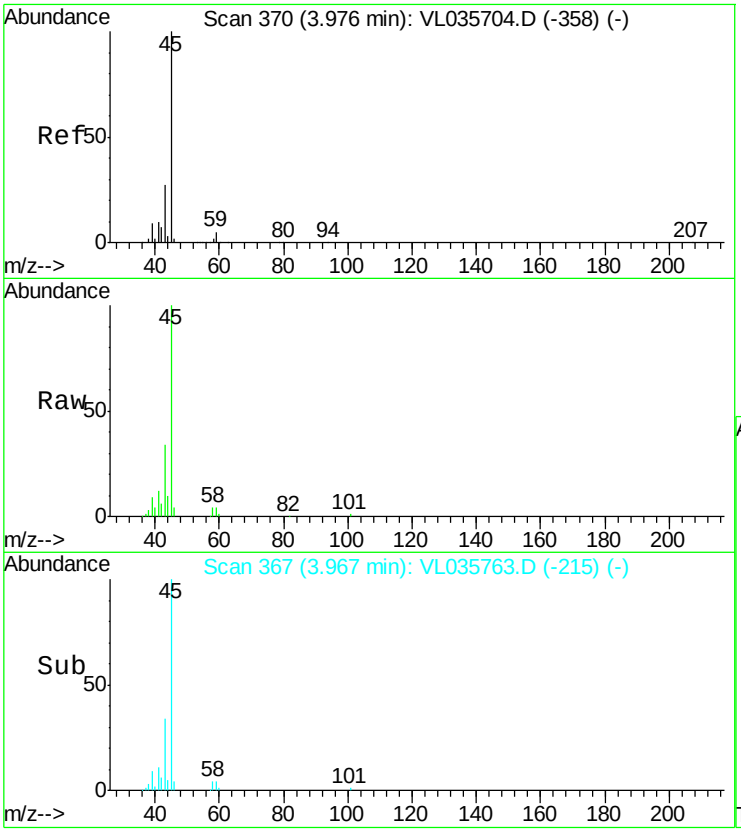


#15
Acetone
Concen: 3.166 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL035763.D
Acq: 12 Oct 2020 15:58

Tgt Ion: 43 Resp: 403864

Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.3	40.9



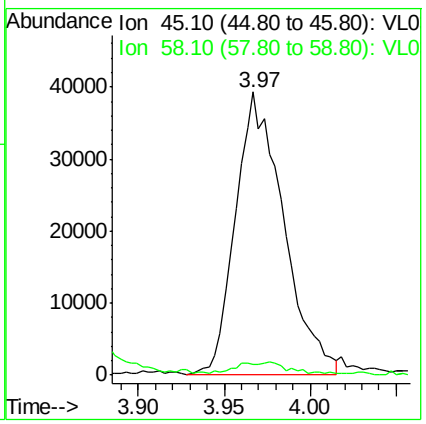


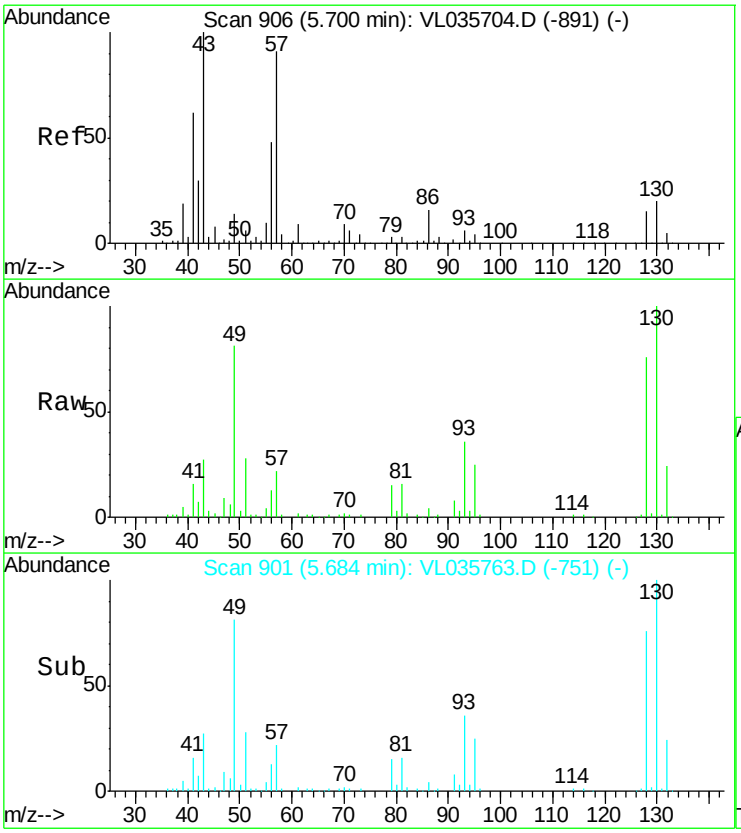
#19
Isopropyl Alcohol
Concen: 1.092 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.01 min
Lab File: VL035763.D
Acq: 12 Oct 2020 15:58

Instrument : MSVOA_L
ClientSampleId : 2DL

Tgt Ion: 45 Resp: 75760

Ion	Ratio	Lower	Upper
45	100		
58	6.2	2.8	4.2#

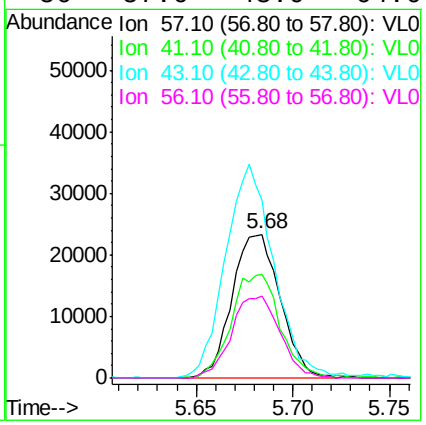


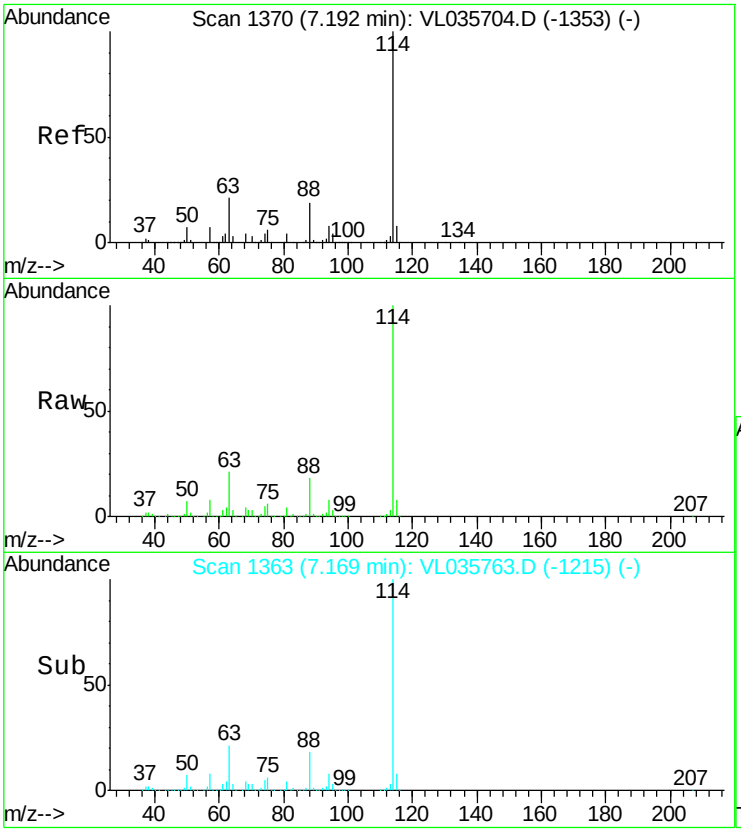


#26
Hexane
Concen: 0.319 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL035763.D
Acq: 12 Oct 2020 15:58

Tgt Ion: 57 Resp: 40189

Ion	Ratio	Lower	Upper
57	100		
41	74.4	57.9	86.9
43	152.1	143.8	215.6
56	57.6	43.0	64.6



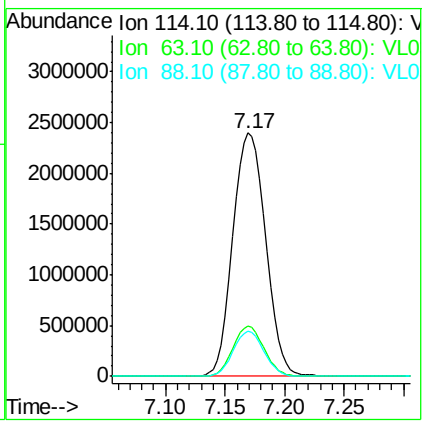


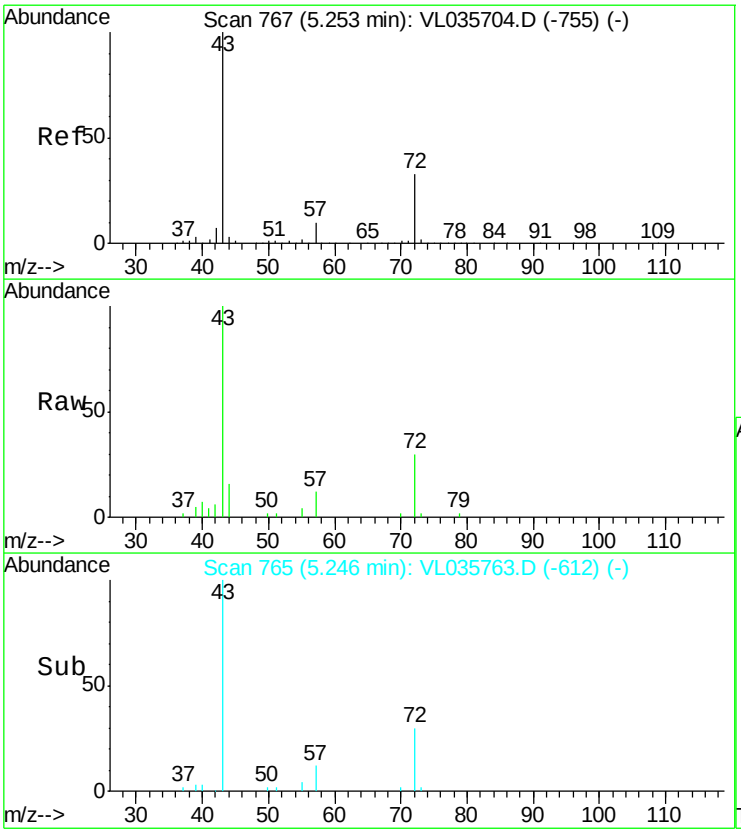
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VL035763.D
Acq: 12 Oct 2020 15:58

Instrument :
MSVOA_L
ClientSampleId :
2DL

Tgt Ion:114 Resp: 4599516

Ion	Ratio	Lower	Upper
114	100		
63	19.6	16.1	24.1
88	17.4	14.1	21.1

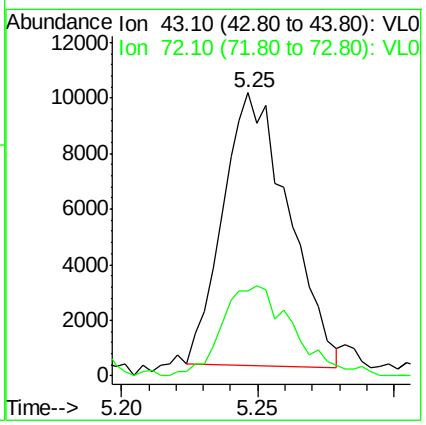


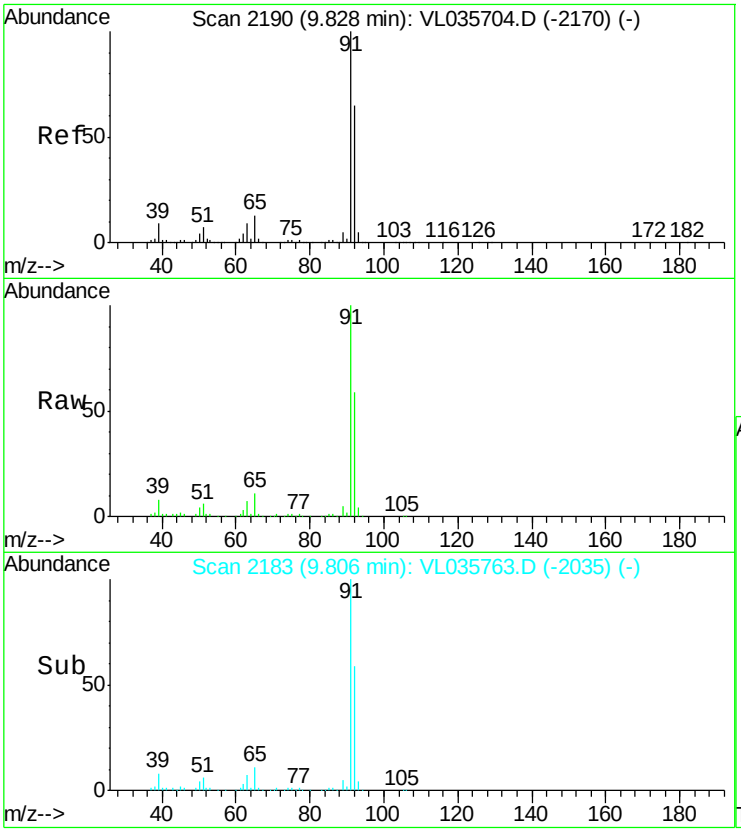


#34
2-Butanone
Concen: 0.108 ppbv
RT: 5.25 min Scan# 765
Delta R.T. -0.01 min
Lab File: VL035763.D
Acq: 12 Oct 2020 15:58

Tgt Ion: 43 Resp: 16392

Ion	Ratio	Lower	Upper
43	100		
72	35.8	26.1	39.1



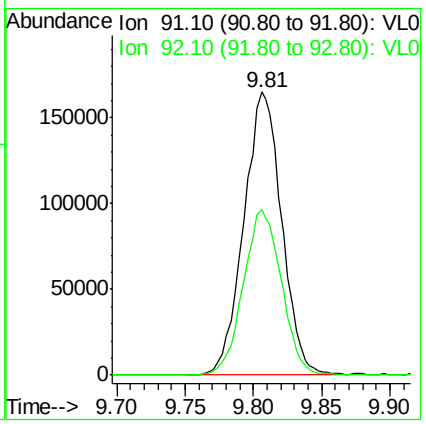


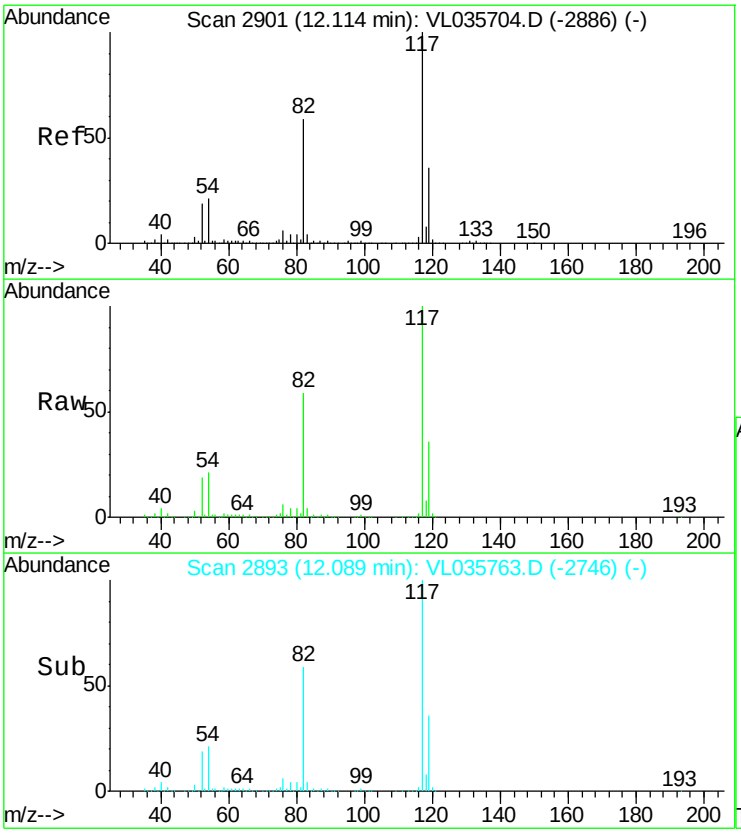
#53
Toluene
Concen: 0.899 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.02 min
Lab File: VL035763.D
Acq: 12 Oct 2020 15:58

Instrument :
MSVOA_L
ClientSampleId :
2DL

Tgt Ion: 91 Resp: 317839

Ion	Ratio	Lower	Upper
91	100		
92	58.9	50.0	75.0

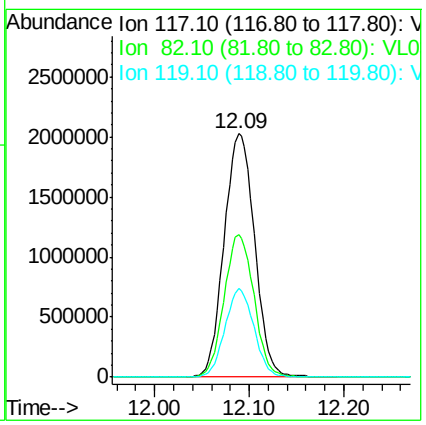


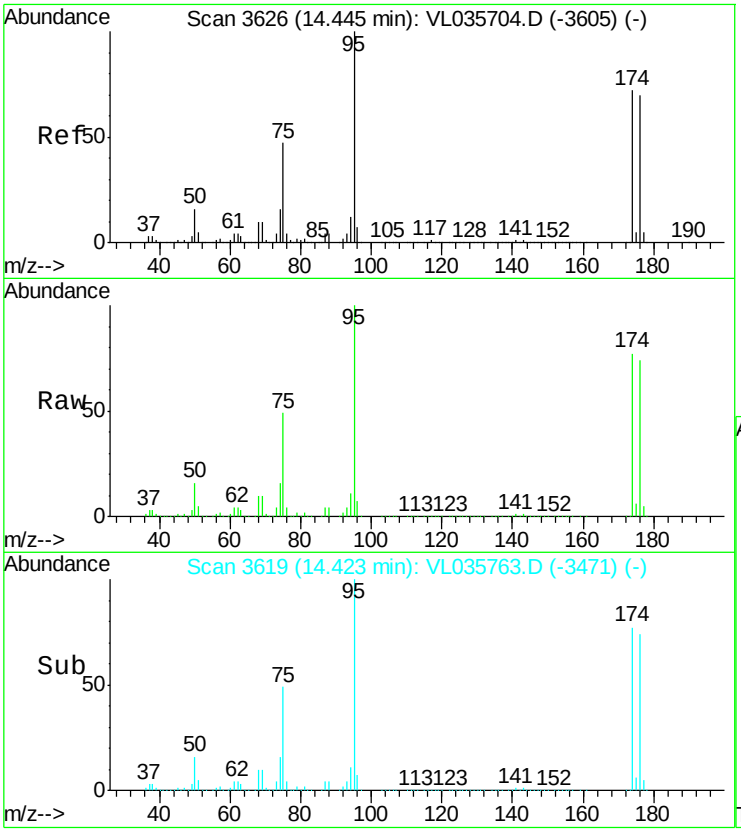


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.03 min
Lab File: VL035763.D
Acq: 12 Oct 2020 15:58

Tgt Ion:117 Resp: 4544286

Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.1	69.1
119	34.7	28.0	42.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.830 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.02 min
Lab File: VL035763.D
Acq: 12 Oct 2020 15:58

Instrument :
MSVOA_L
ClientSampleId :
2DL

Tgt Ion: 95 Resp: 3347457

Ion	Ratio	Lower	Upper
95	100		
174	76.9	59.6	89.4
175	5.5	4.2	6.4