Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030320\
Data File : VL034761.D
Acq On : 3 Mar 2020 13:08
Operator : SY/AP
Sample : L1704-02DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 04 05:46:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1092473	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	2233244	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2251185	10.00	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1872140	10.14	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.40%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.93	51	11908	0.101	ppbv #	64
9) Propene	3.34	41	16377	0.332	ppbv	97
13) Ethanol	3.58	45	385	0.025	ppbv #	37
15) Acetone	3.84	43	408039	3.278	ppbv	98
16) 1,3-Butadiene	3.29	39	1855	0.032	ppbv #	7
17) tert-Butyl alcohol	4.31	59	2870	0.030	ppbv #	71
20) Methylene Chloride	4.34	84	32065	0.693	ppbv	94
23) Vinyl Acetate	5.08	43	60810	0.359	ppbv	98
26) Hexane	5.70	57	2054	0.020	ppbv #	1
30) Cyclohexane	7.17	84	1614	0.021	ppbv #	1
39) 1,2-Dichloropropane	7.20	63	655285	8.539	ppbv #	23
53) Toluene	9.85	91	119752	0.584	ppbv	98

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030320\
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Acq On : 3 Mar 2020 13:08
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
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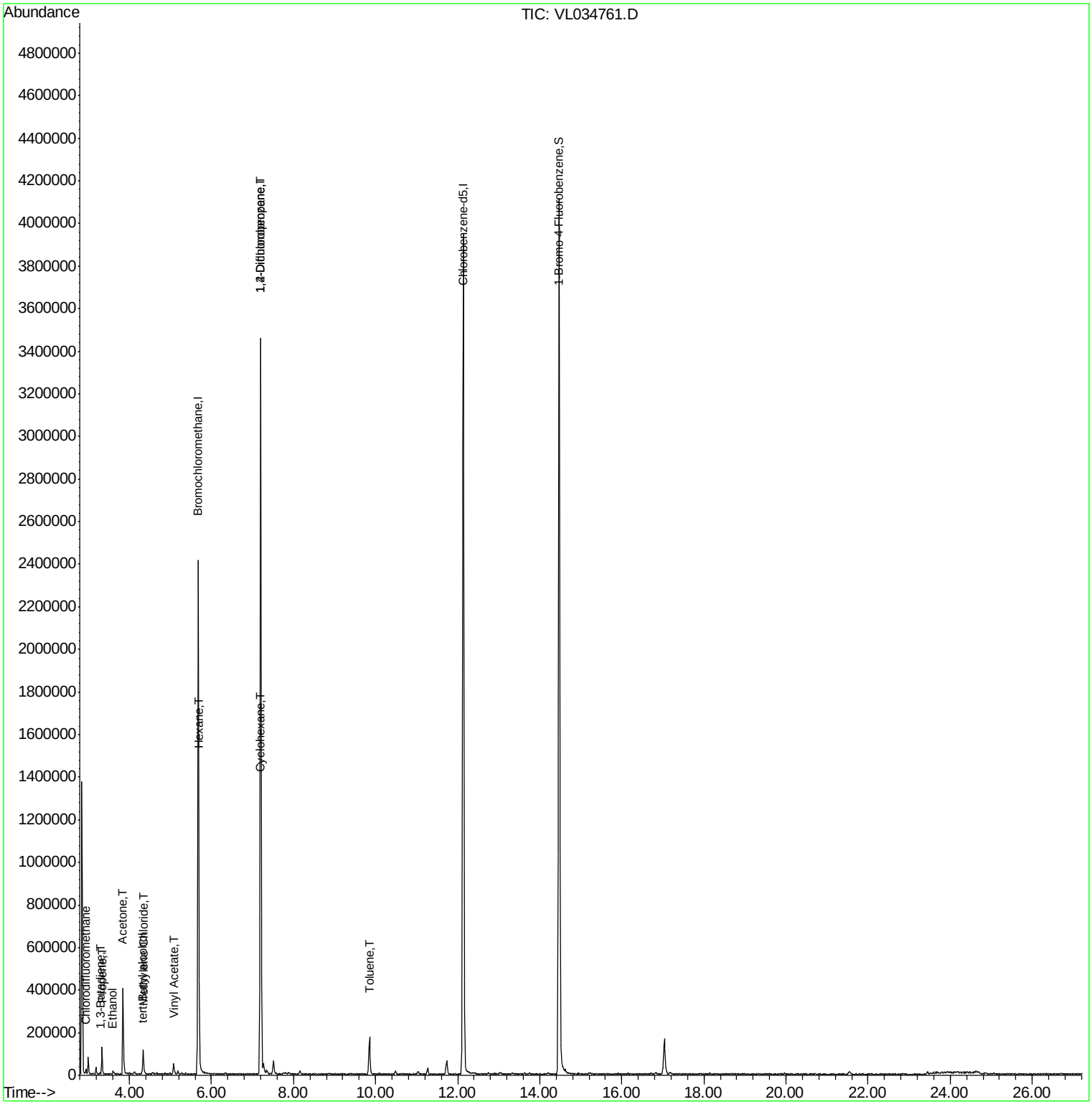
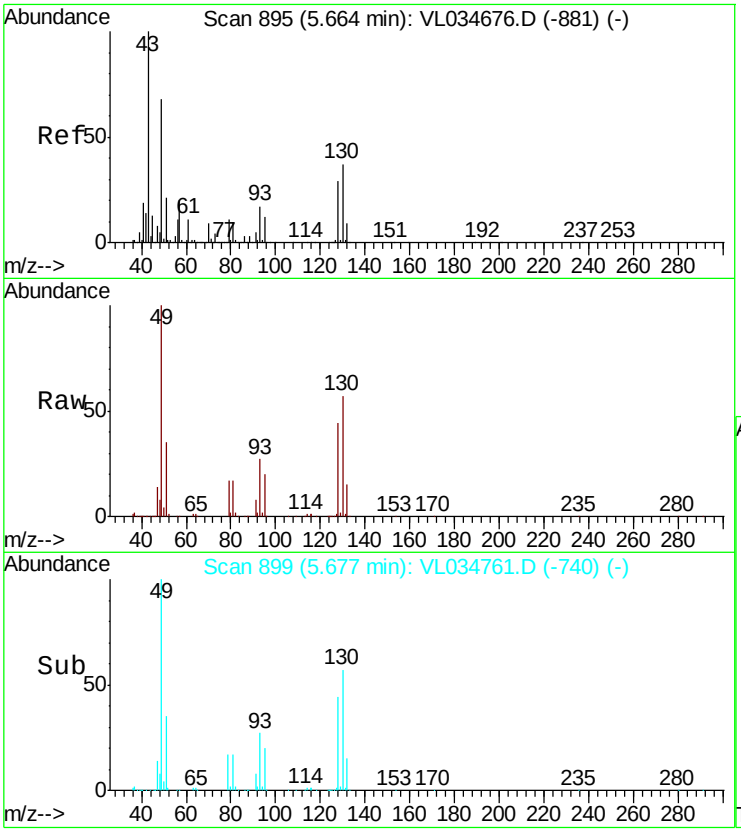


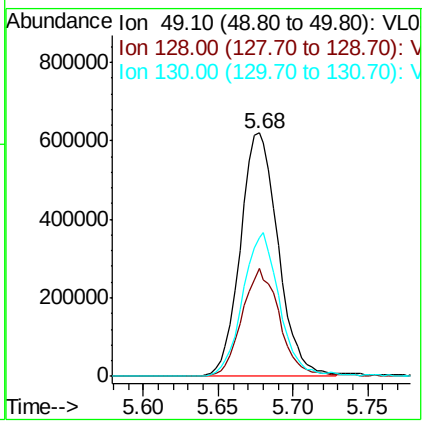


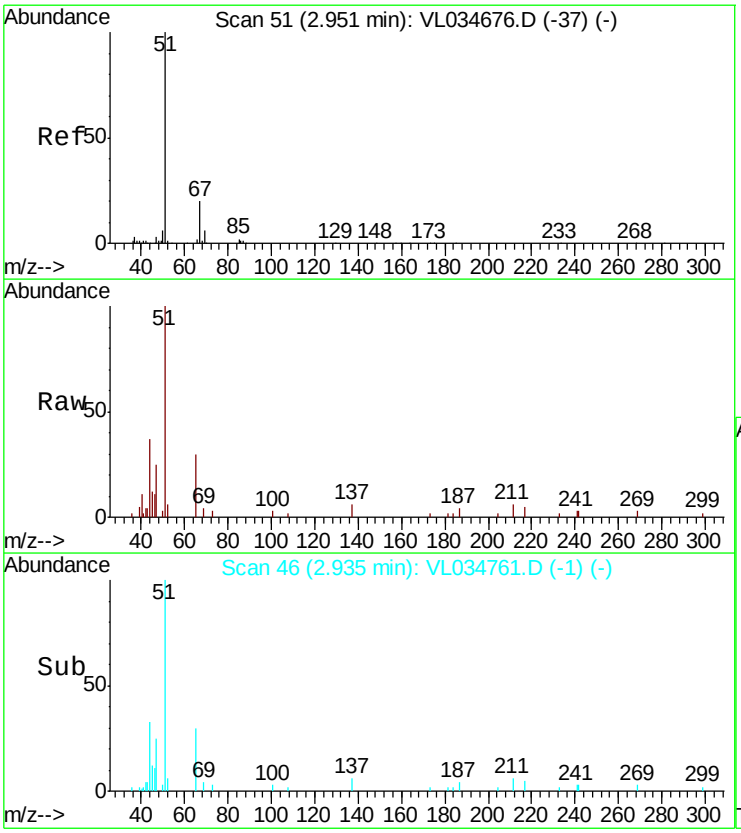
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1092473

Ion	Ratio	Lower	Upper
49	100		
128	44.4	21.6	65.0
130	57.9	27.7	83.1

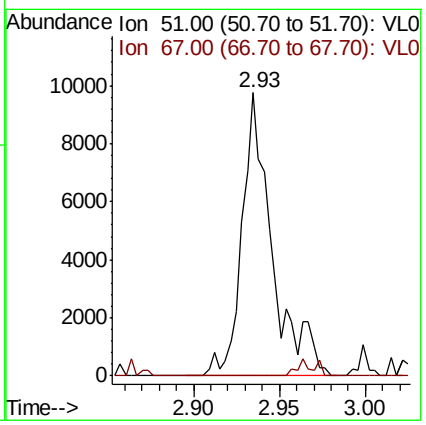


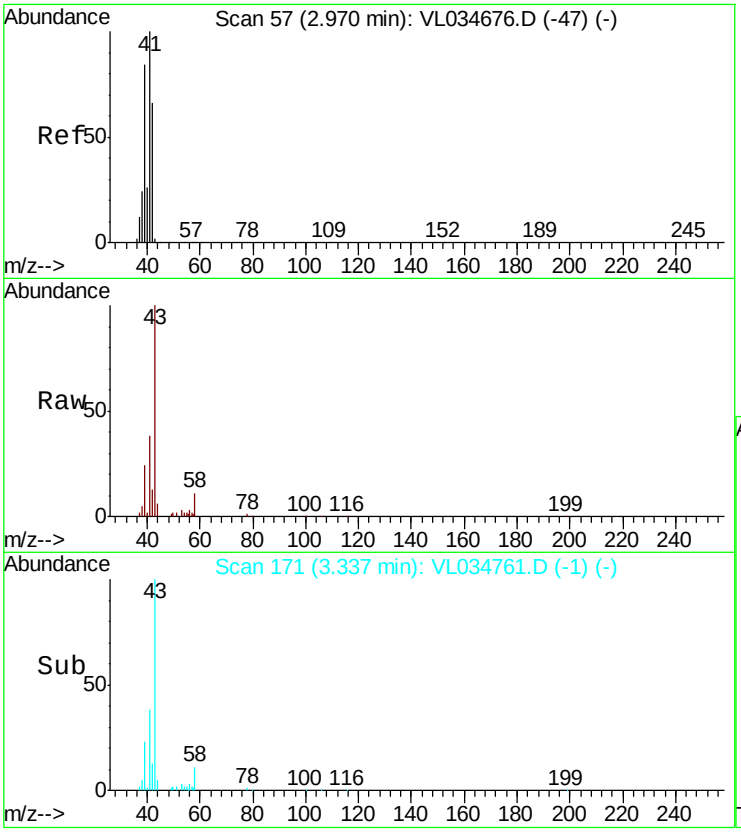


#3
Chlorodifluoromethane
Concen: 0.101 ppbv
RT: 2.93 min Scan# 46
Delta R.T. -0.02 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Tgt Ion: 51 Resp: 11908

Ion	Ratio	Lower	Upper
51	100		
67	3.2	15.5	23.3#



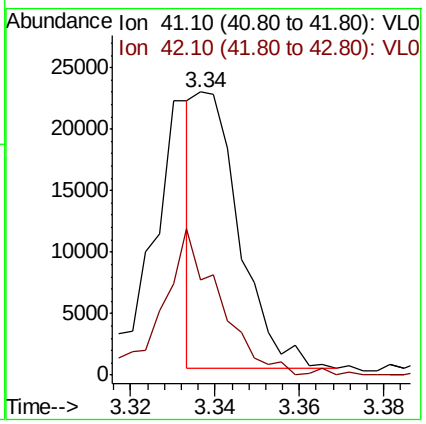


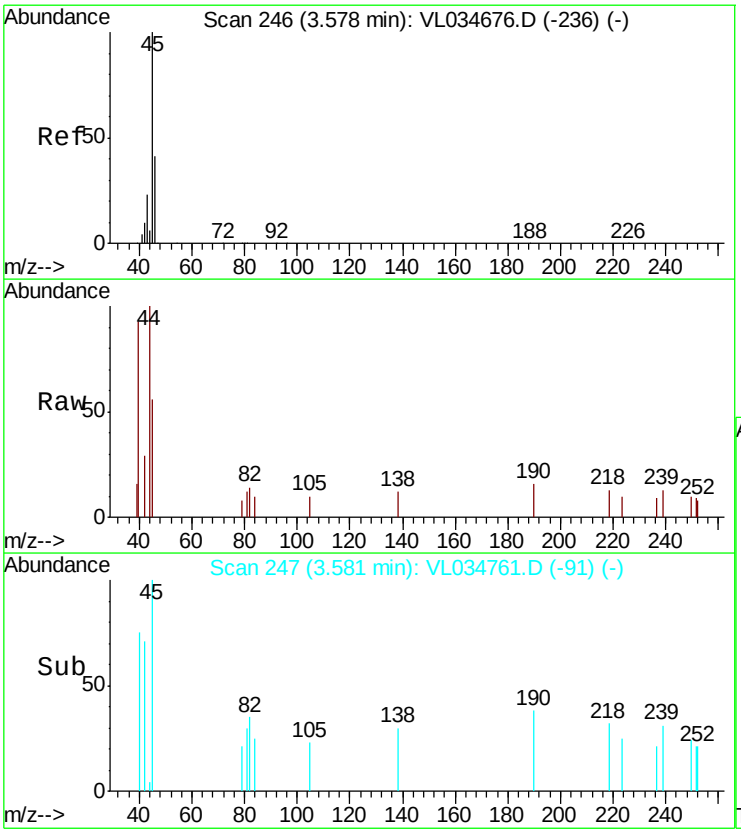
#9
Propene
Concen: 0.332 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.37 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 16377

Ion	Ratio	Lower	Upper
41	100		
42	71.3	54.9	82.3

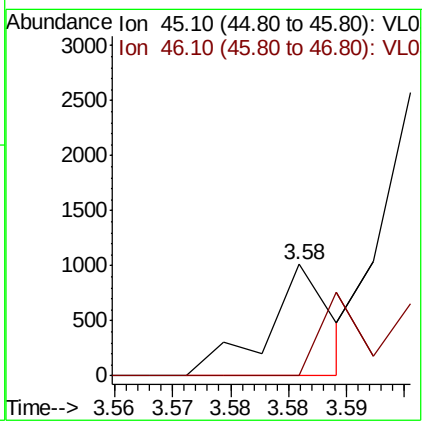


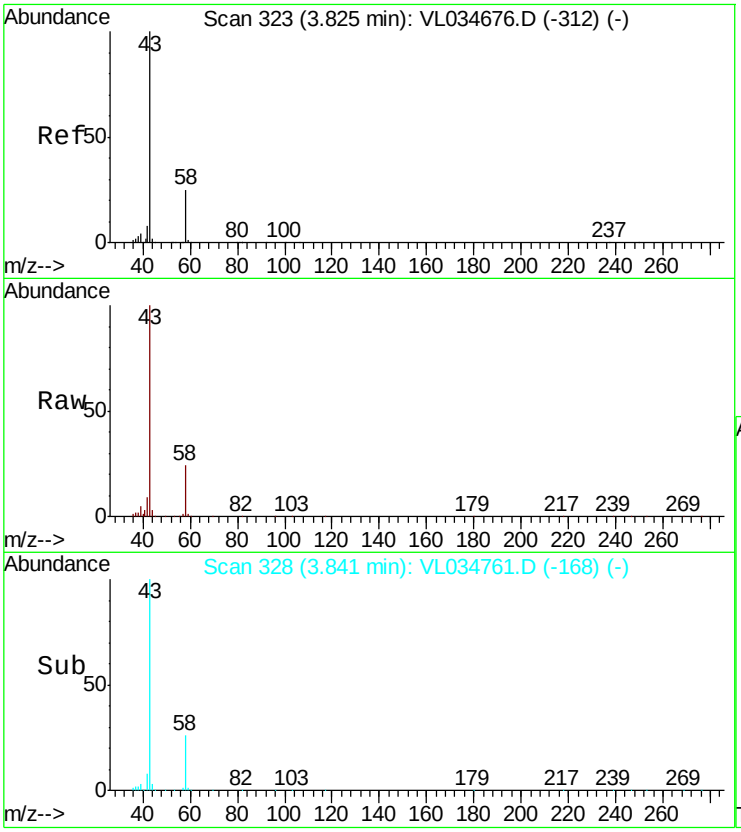


#13
Ethanol
Concen: 0.025 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.00 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Tgt Ion: 45 Resp: 385

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.4	61.4#



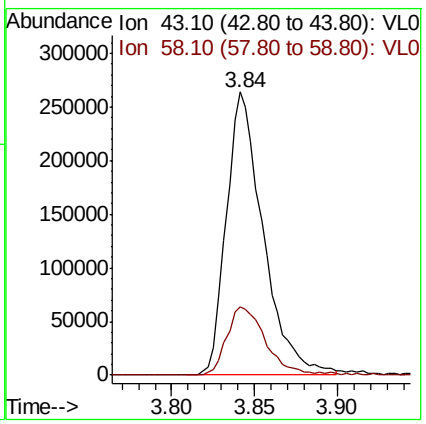


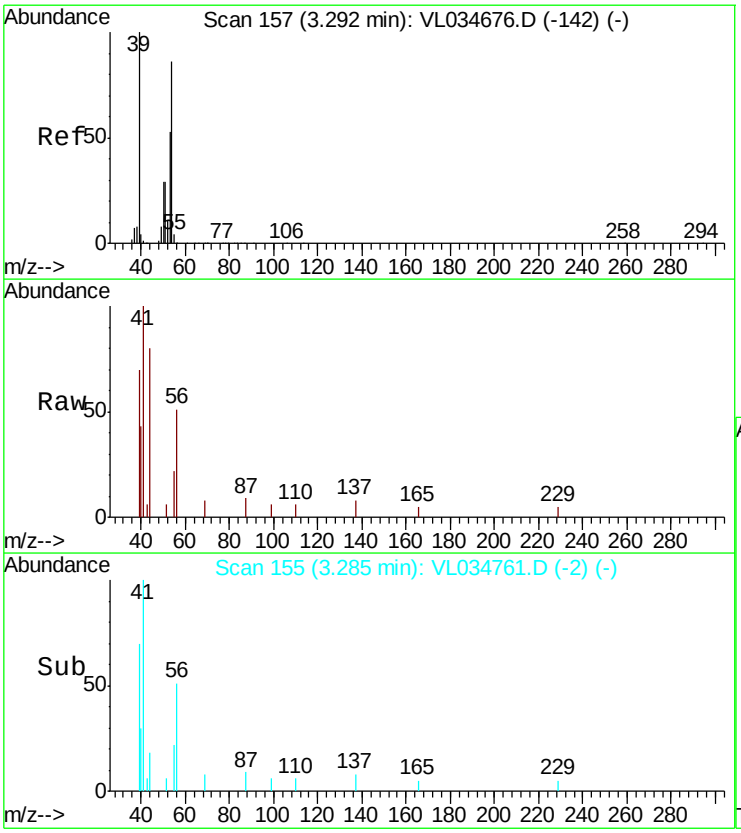
#15
Acetone
Concen: 3.278 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.02 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 408039

Ion	Ratio	Lower	Upper
43	100		
58	25.4	21.4	32.0

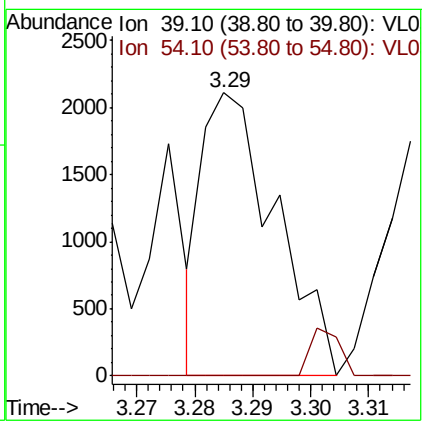


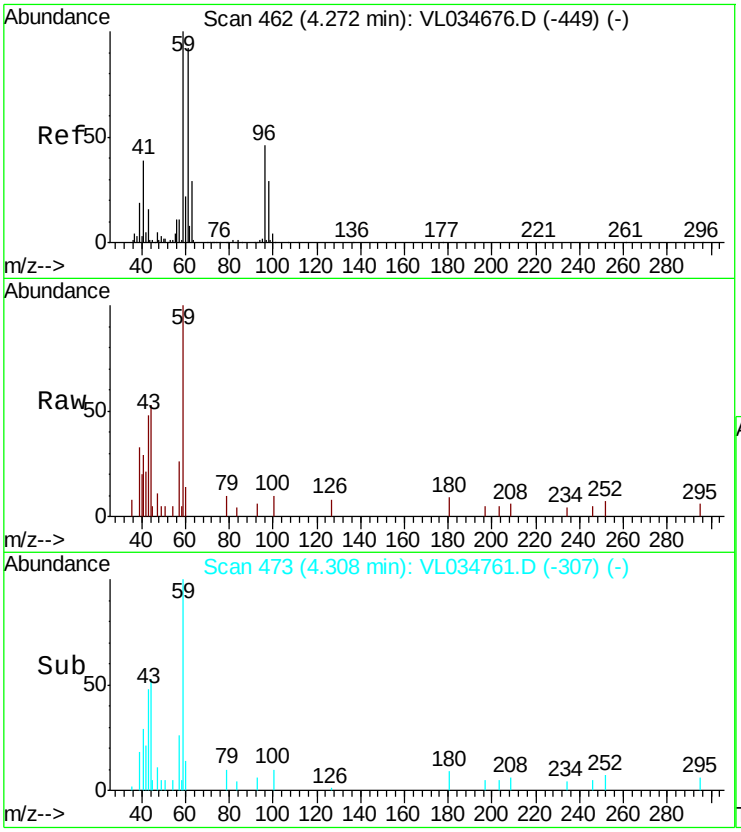


#16
1,3-Butadiene
Concen: 0.032 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.01 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Tgt Ion: 39 Resp: 1855

Ion	Ratio	Lower	Upper
39	100		
54	0.0	67.0	100.6#



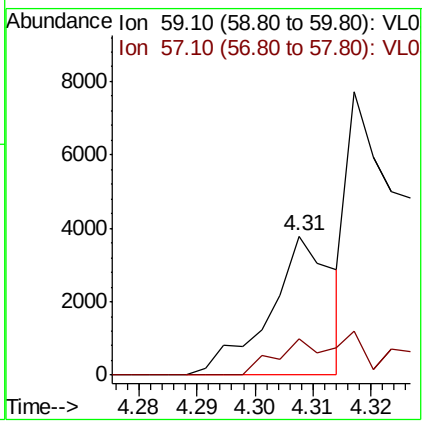


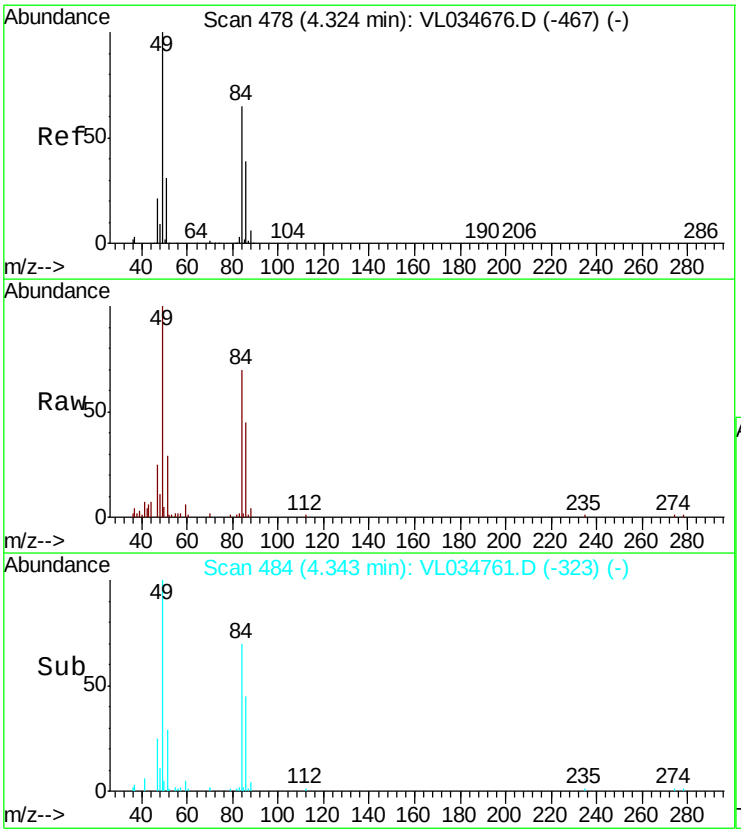
#17
tert-Butyl alcohol
Concen: 0.030 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.04 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 2870

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#

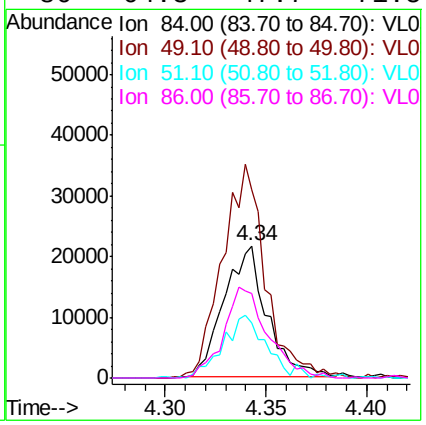


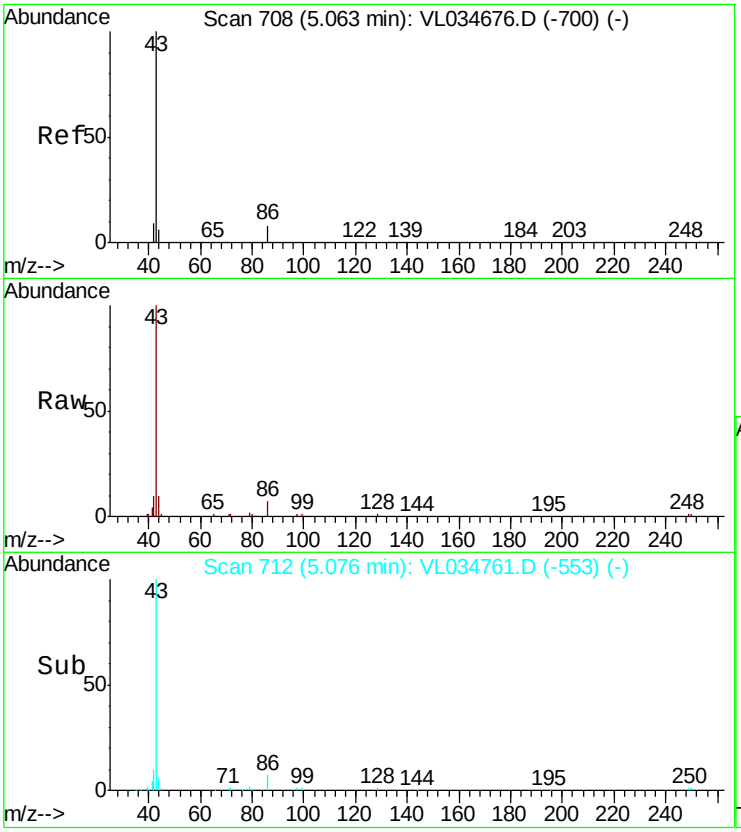


#20
Methylene Chloride
Concen: 0.693 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Tgt Ion: 84 Resp: 32065

Ion	Ratio	Lower	Upper
84	100		
49	146.5	122.8	184.2
51	42.1	38.6	58.0
86	64.3	47.7	71.5



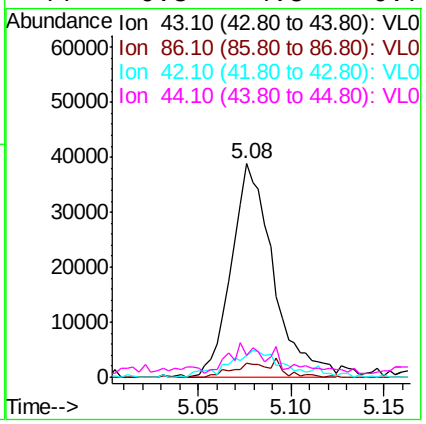


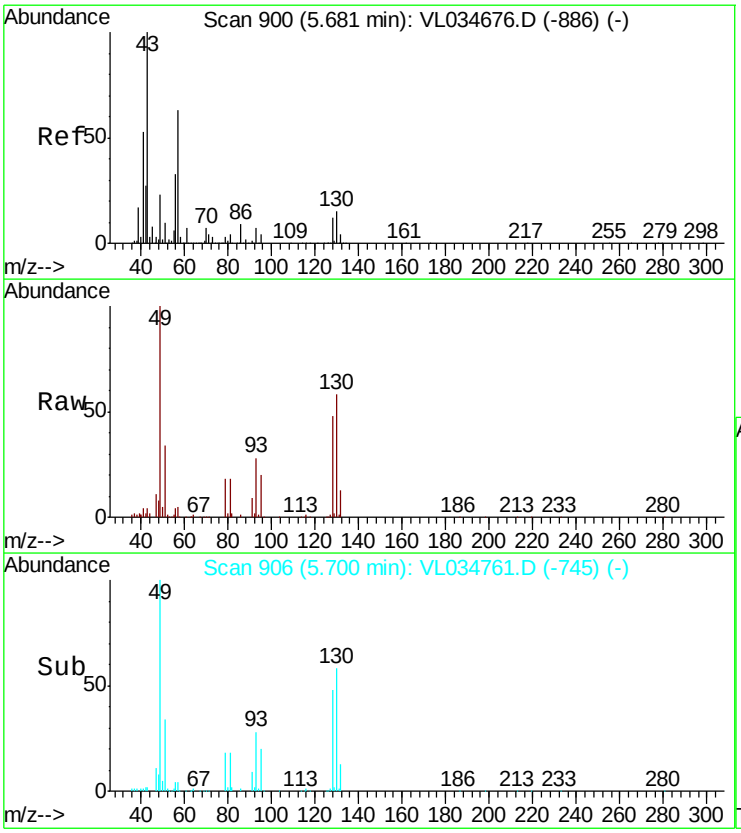
#23
Vinyl Acetate
Concen: 0.359 ppbv
RT: 5.08 min Scan# 712
Delta R.T. 0.01 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 60810

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.0	9.0
42	10.5	8.0	12.0
44	6.3	4.5	6.7

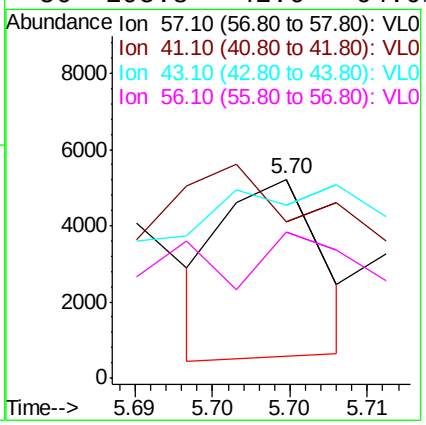


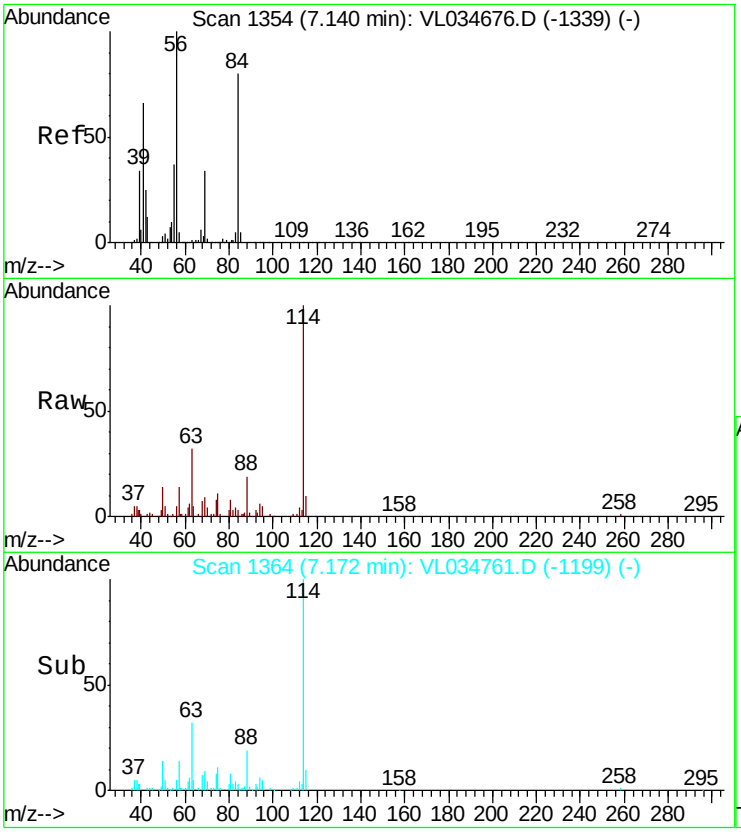


#26
Hexane
Concen: 0.020 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Tgt Ion: 57 Resp: 2054

Ion	Ratio	Lower	Upper
57	100		
41	443.1	70.3	105.5#
43	460.3	177.0	265.4#
56	295.8	42.6	64.0#



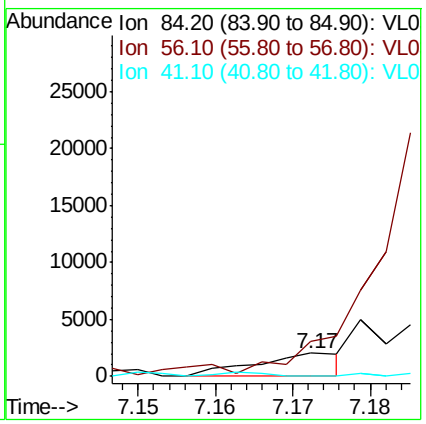


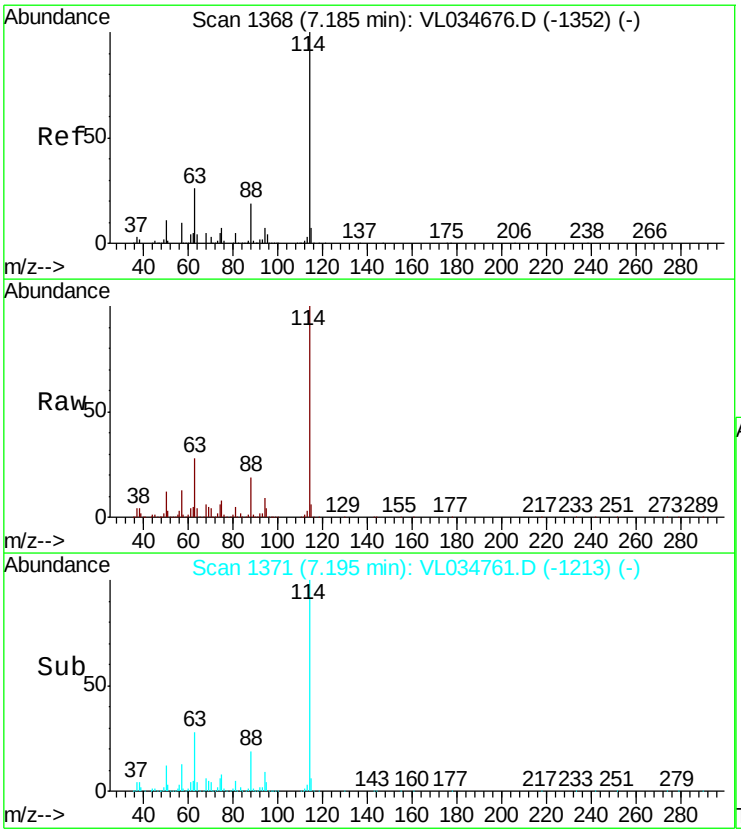
#30
Cyclohexane
Concen: 0.021 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.03 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 1614

Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.4	170.2#
41	0.0	68.2	102.4#

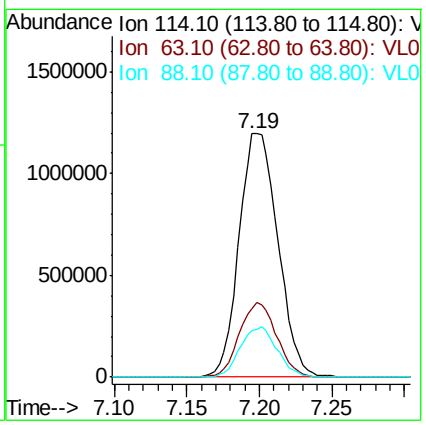


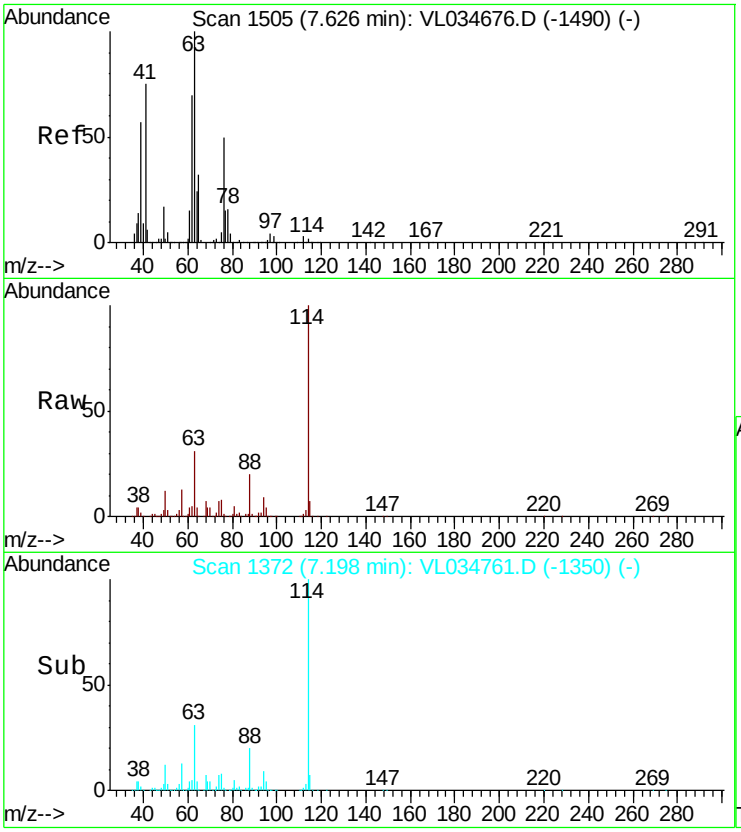


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. 0.01 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Tgt Ion:114 Resp: 2233244

Ion	Ratio	Lower	Upper
114	100		
63	29.4	22.9	34.3
88	19.7	15.8	23.6



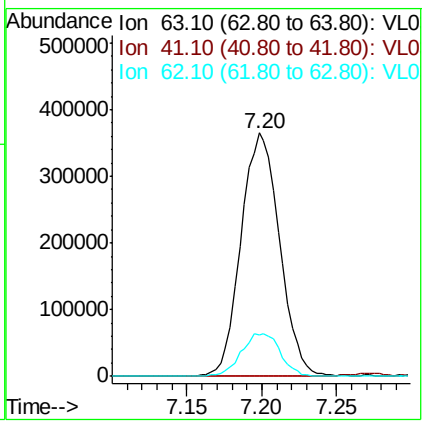


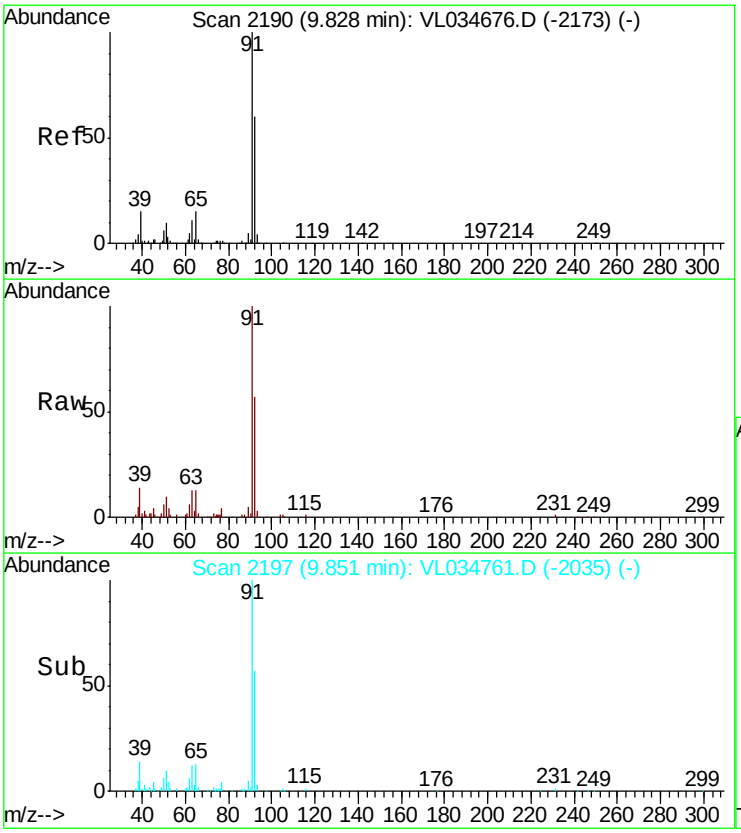
#39
1,2-Dichloropropane
Concen: 8.539 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.43 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 655285

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.2	90.4#
62	17.2	56.3	84.5#

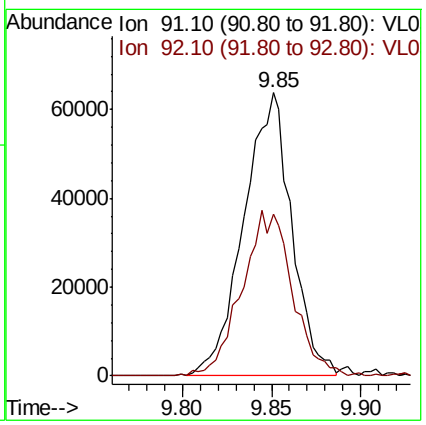


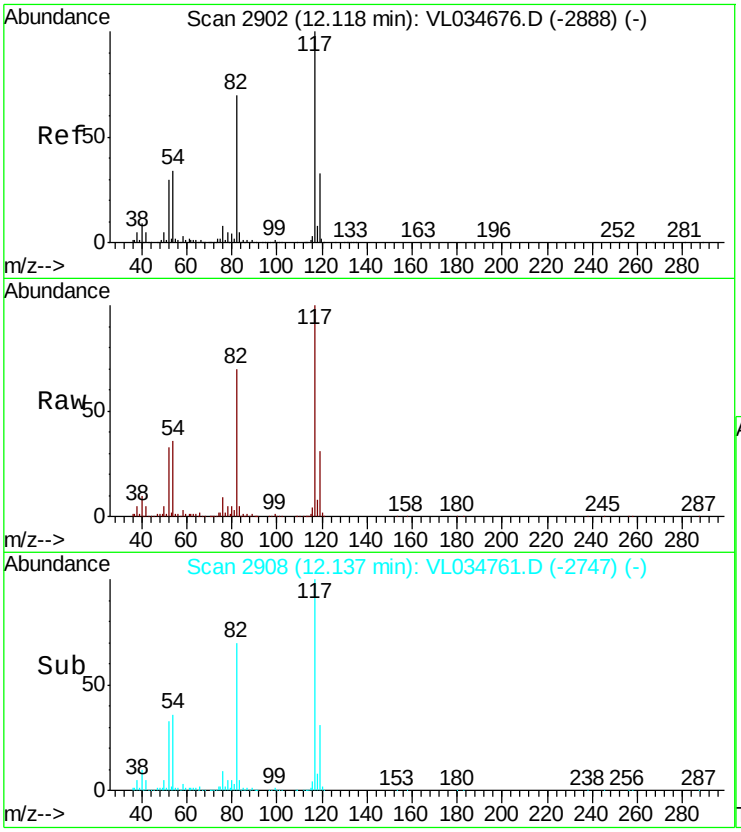


#53
Toluene
Concen: 0.584 ppbv
RT: 9.85 min Scan# 2197
Delta R.T. 0.02 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Tgt Ion: 91 Resp: 119752

Ion	Ratio	Lower	Upper
91	100		
92	61.9	48.5	72.7



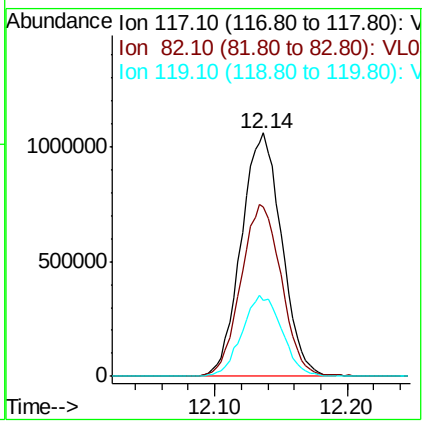


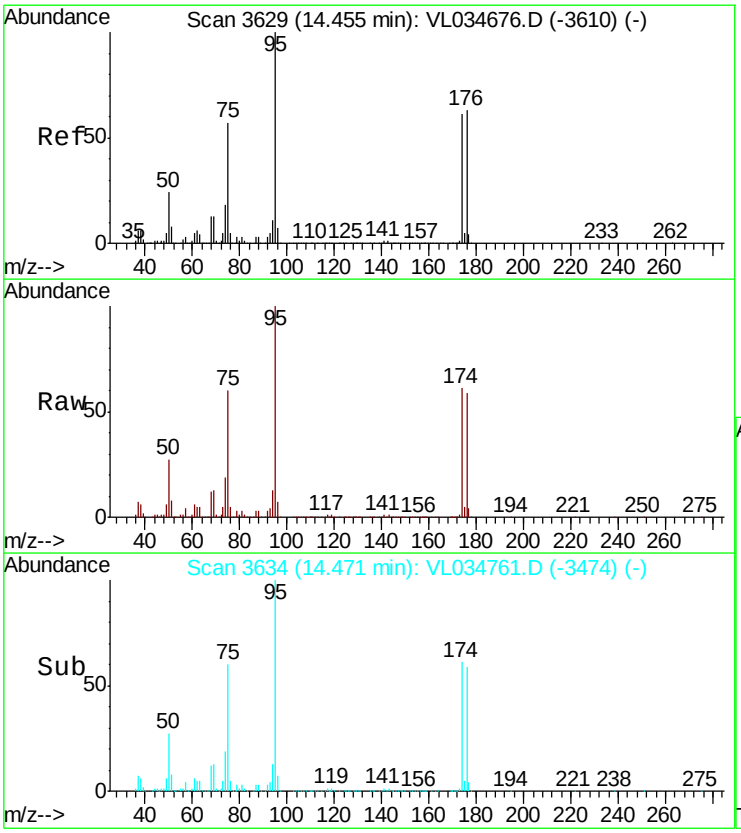
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.02 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2251185

Ion	Ratio	Lower	Upper
117	100		
82	71.0	54.1	81.1
119	33.0	27.6	41.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.142 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. 0.02 min
Lab File: VL034761.D
Acq: 3 Mar 2020 13:08

Tgt Ion: 95 Resp: 1872140

Ion	Ratio	Lower	Upper
95	100		
174	63.7	50.7	76.1
175	4.7	3.9	5.9