Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111820\
Data File : VL035984.D
Acq On : 18 Nov 2020 22:04
Operator : SY/AP
Sample : L4781-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA2DL

Quant Time: Nov 19 08:12:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.62	49	1092418	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	3772933	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.04	117	3594468	10.00	ppbv	-0.05
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2655282	10.40	ppbv	-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	6786	0.033	ppbv	92
3) Chlorodifluoromethane	2.95	51	7940	0.061	ppbv #	82
4) Chloromethane	3.11	50	2939	0.046	ppbv	89
9) Propene	2.98	41	6966	0.145	ppbv	96
13) Ethanol	3.57	45	13301	1.280	ppbv #	35
15) Acetone	3.82	43	76792	0.658	ppbv #	79
20) Methylene Chloride	4.30	84	182377	2.218	ppbv	98
25) Ethyl Acetate	5.65	43	51945	0.226	ppbv #	74
26) Hexane	5.64	57	77425	0.610	ppbv #	43
39) 1,2-Dichloropropane	7.13	63	779260	8.252	ppbv #	30
53) Toluene	9.75	91	16024	0.047	ppbv #	19

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

Quantitation Report (Not Reviewed)

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Misc : 400ml/MSVOA_L
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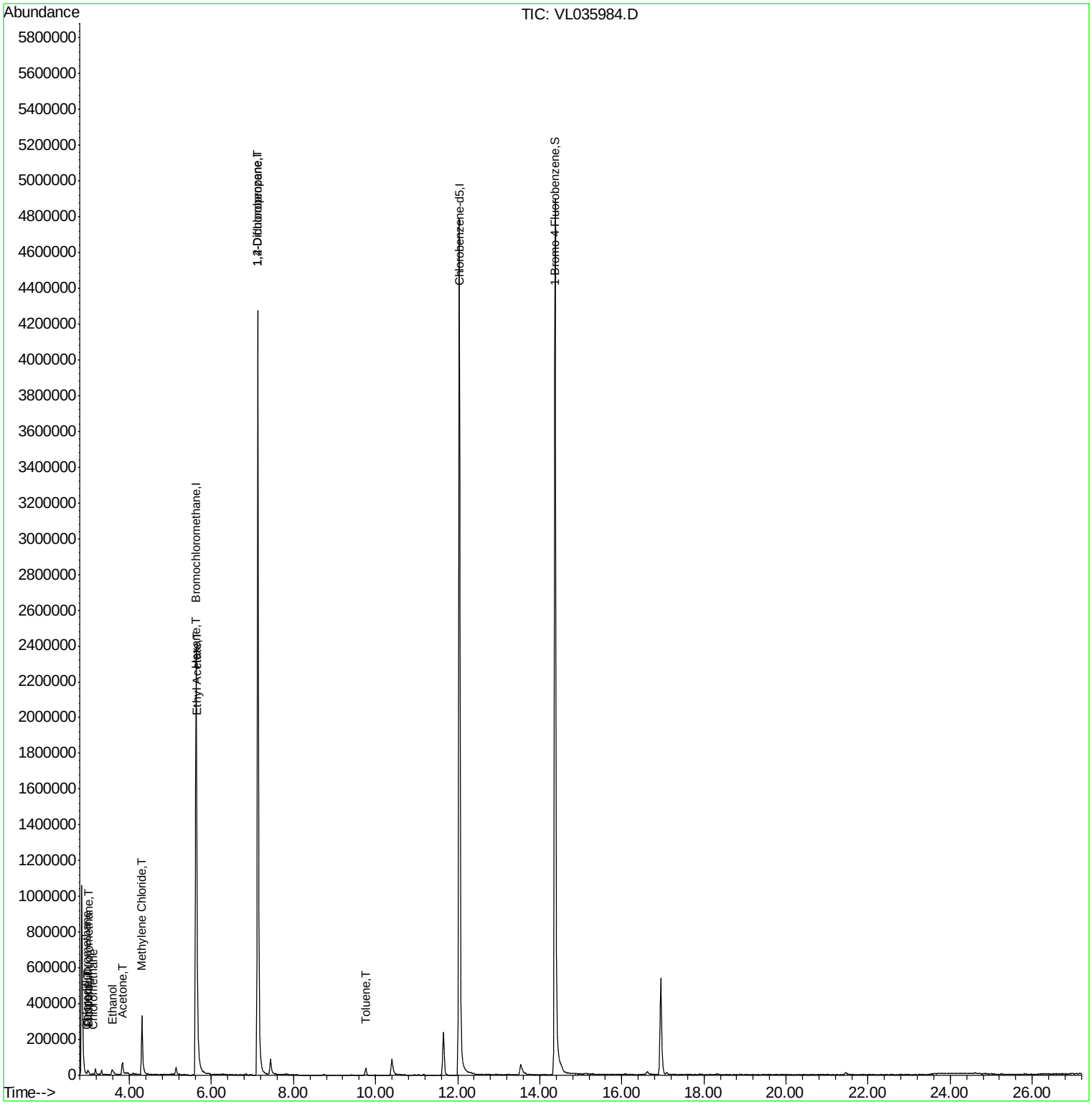
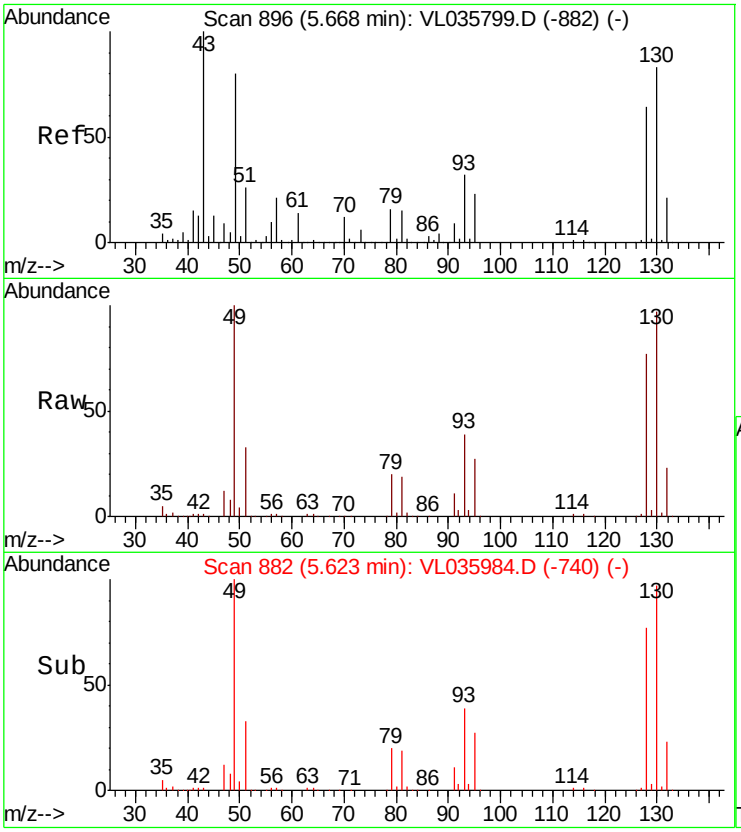


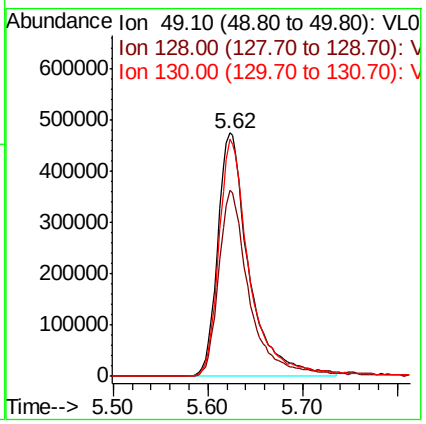


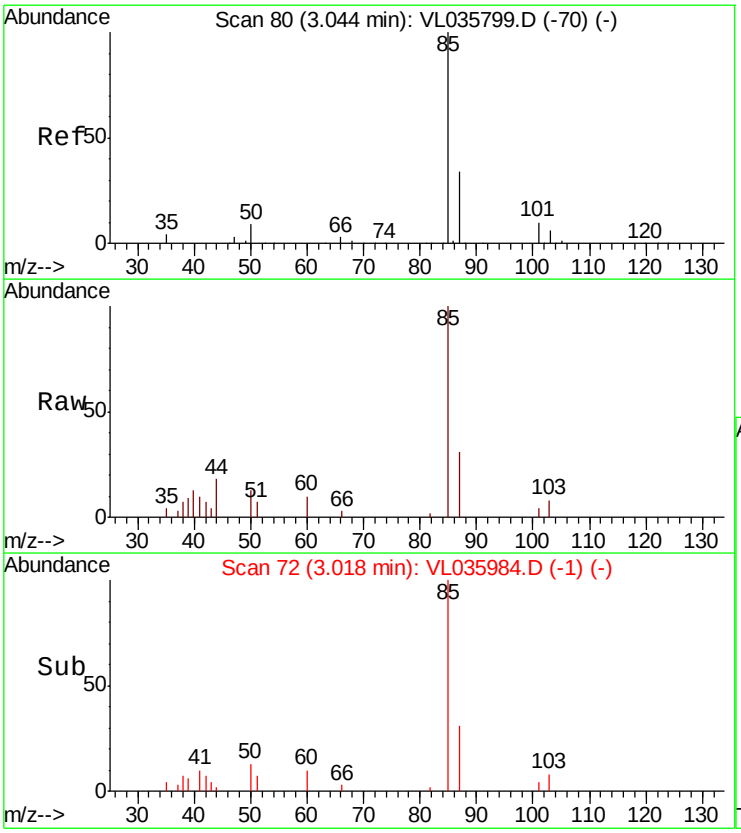
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.62 min Scan# 882
Delta R.T. -0.04 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 49 Resp: 1092418

Ion	Ratio	Lower	Upper
49	100		
128	75.8	41.5	124.6
130	97.9	53.7	161.1

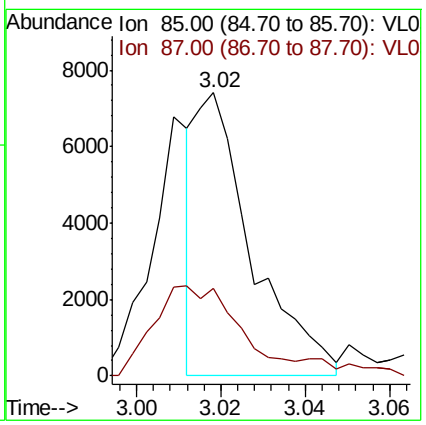


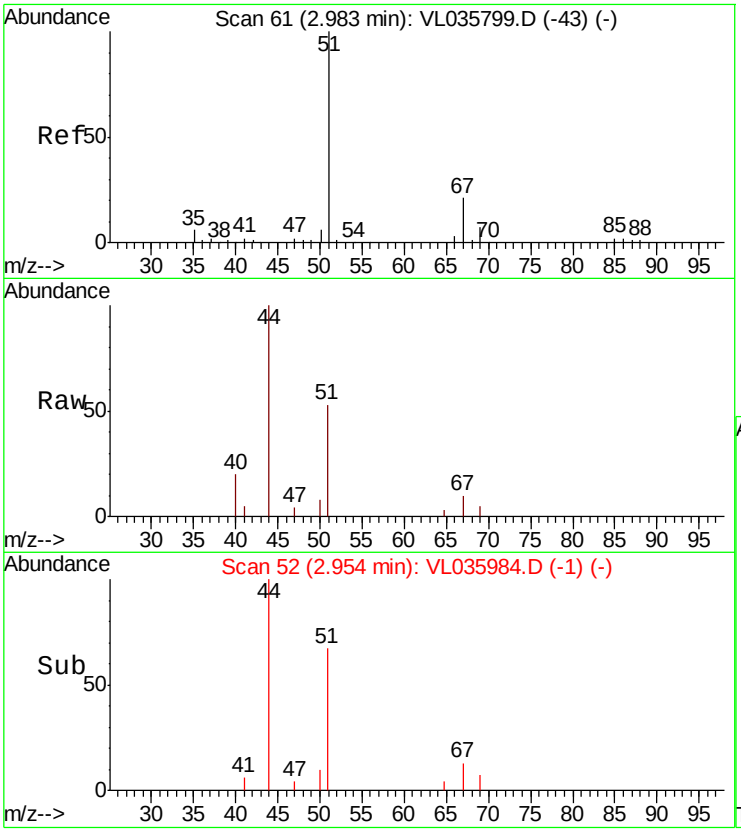


#2
Dichlorodifluoromethane
Concen: 0.033 ppbv
RT: 3.02 min Scan# 72
Delta R.T. -0.03 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Tgt Ion: 85 Resp: 6786

Ion	Ratio	Lower	Upper
85	100		
87	29.6	27.1	40.7



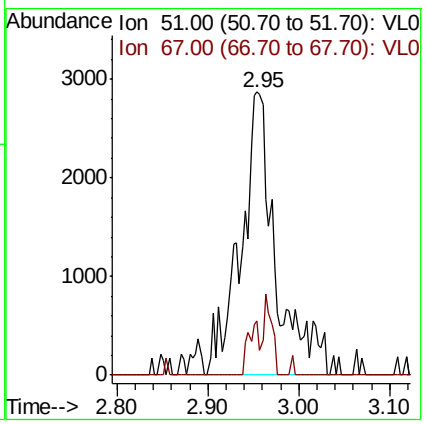


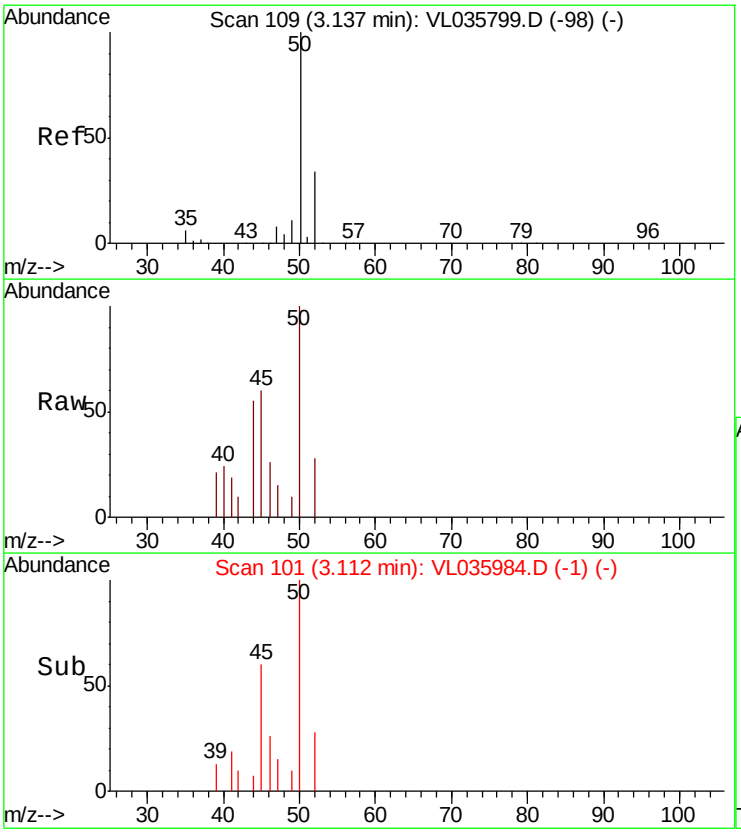
#3
Chlorodifluoromethane
Concen: 0.061 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.03 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Instrument : MSVOA_L
ClientSampleId : IA2DL

Tgt Ion: 51 Resp: 7940

Ion	Ratio	Lower	Upper
51	100		
67	13.0	17.0	25.4#

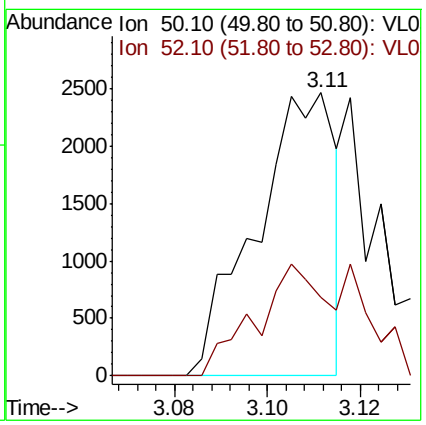


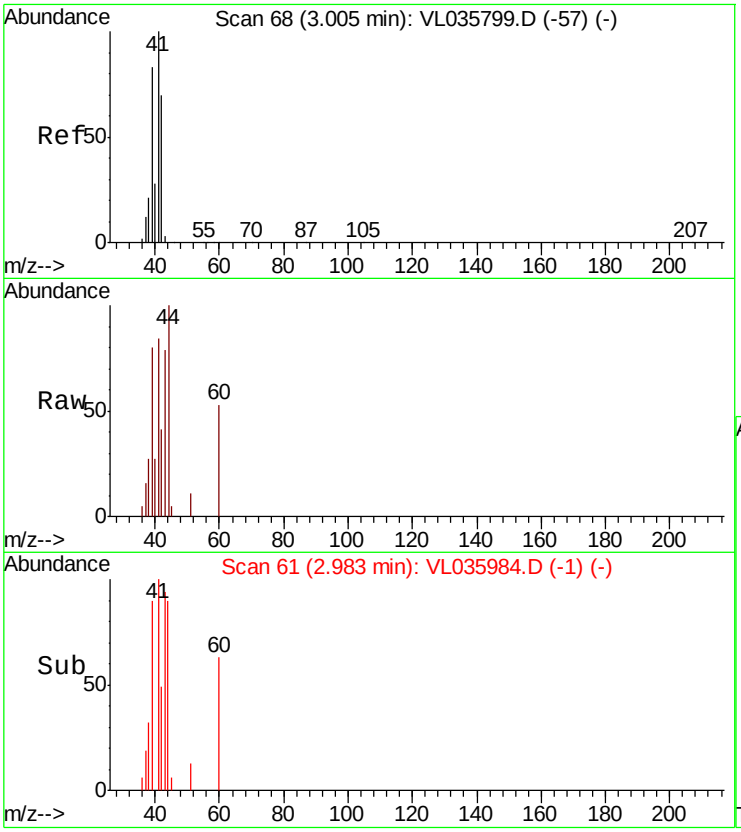


#4
Chloromethane
Concen: 0.046 ppbv
RT: 3.11 min Scan# 101
Delta R.T. -0.03 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Tgt Ion: 50 Resp: 2939

Ion	Ratio	Lower	Upper
50	100		
52	27.9	27.1	40.7



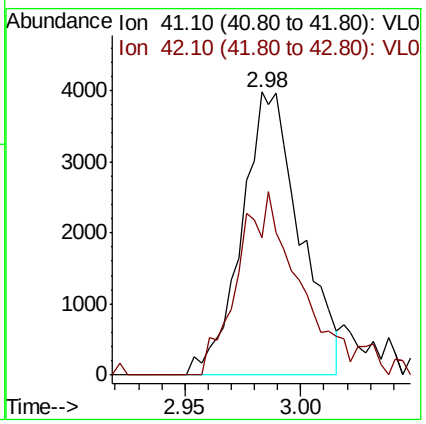


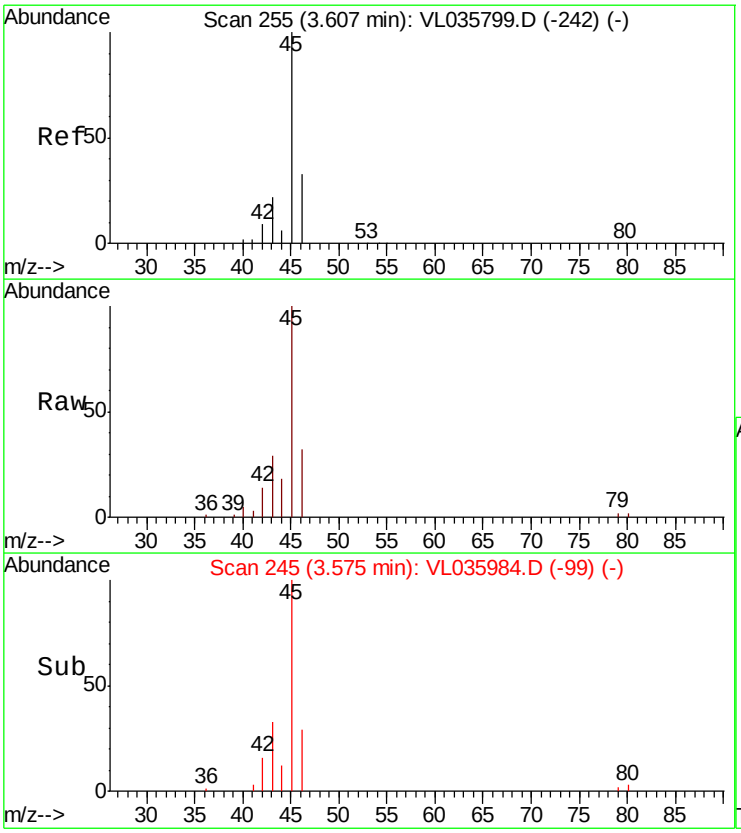
#9
Propene
Concen: 0.145 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.02 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 41 Resp: 6966

Ion	Ratio	Lower	Upper
41	100		
42	73.6	56.2	84.4

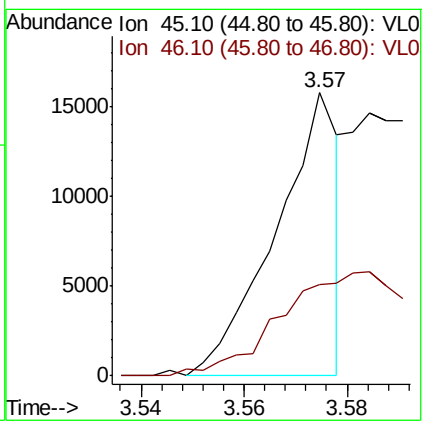


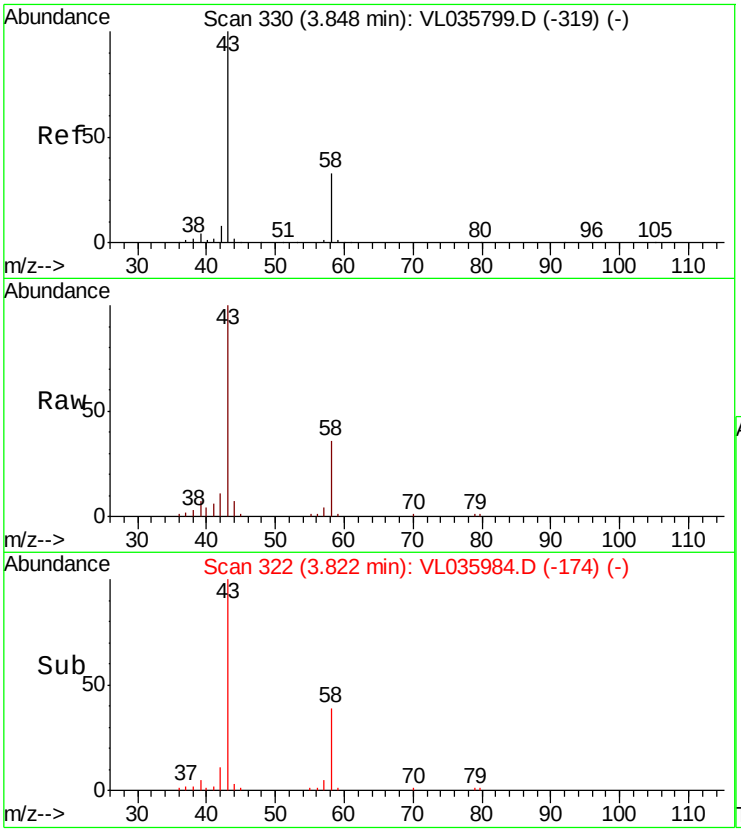


#13
Ethanol
Concen: 1.280 ppbv
RT: 3.57 min Scan# 245
Delta R.T. -0.03 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Tgt Ion: 45 Resp: 13301

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.1	64.5#



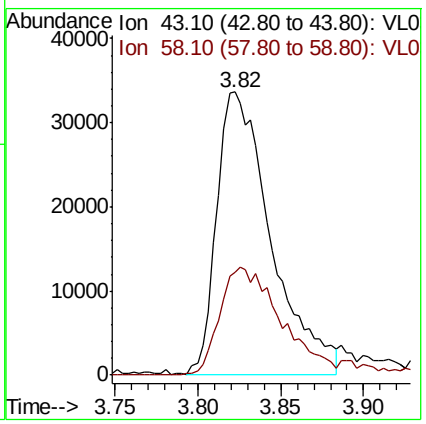


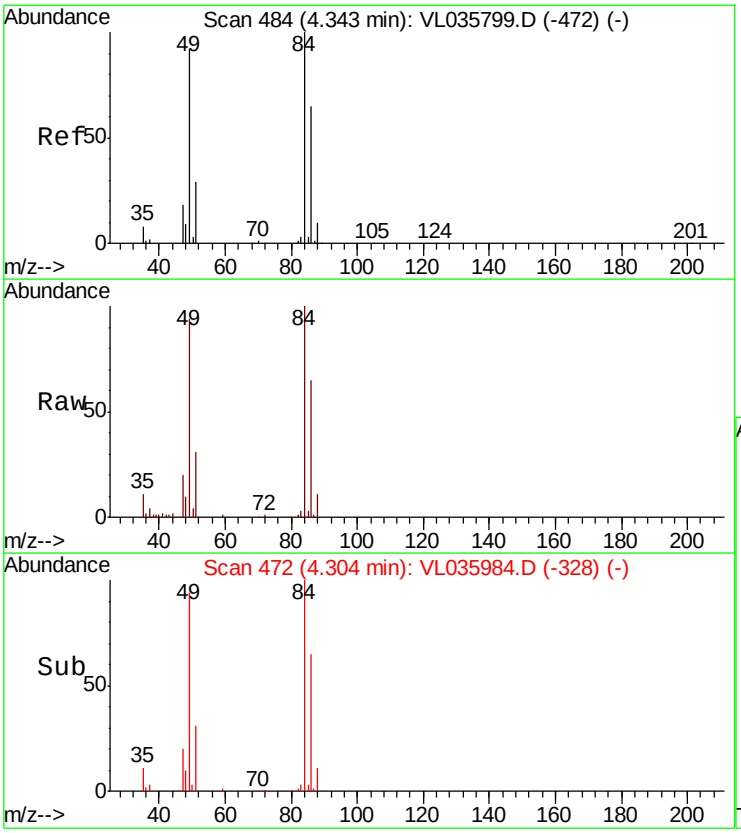
#15
Acetone
Concen: 0.658 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.03 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Instrument : MSVOA_L
ClientSampleId : IA2DL

Tgt Ion: 43 Resp: 76792

Ion	Ratio	Lower	Upper
43	100		
58	46.5	27.5	41.3#

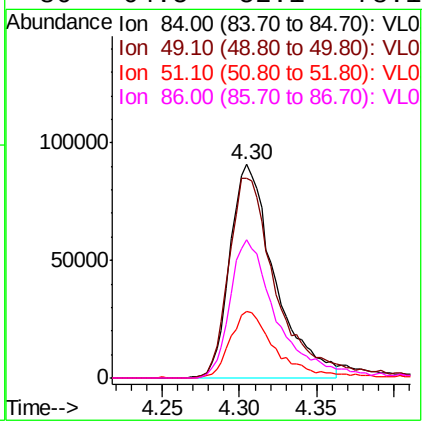


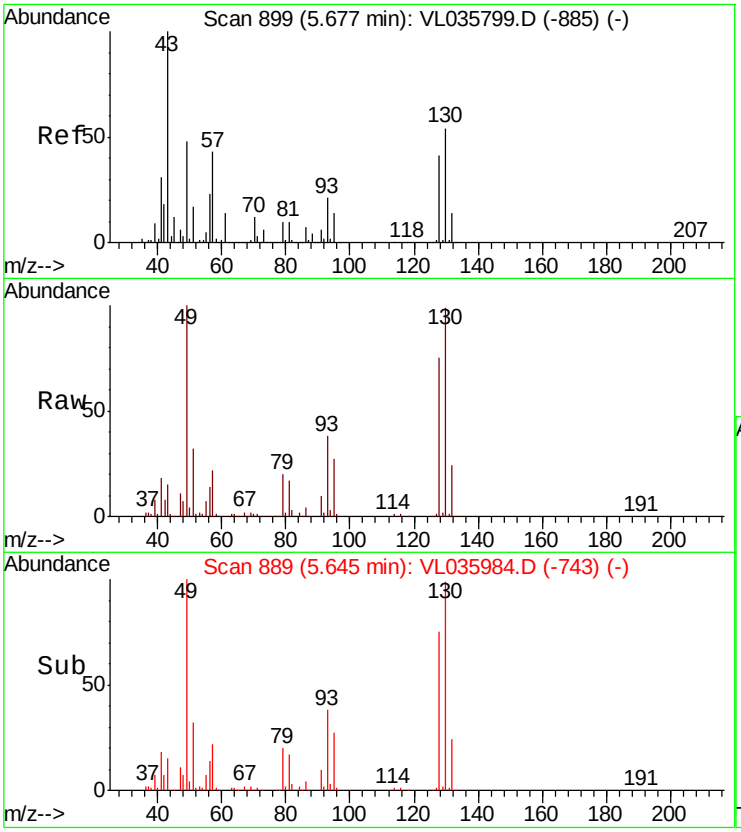


#20
Methylene Chloride
Concen: 2.218 ppbv
RT: 4.30 min Scan# 472
Delta R.T. -0.04 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Tgt Ion: 84 Resp: 182377

Ion	Ratio	Lower	Upper
84	100		
49	93.8	73.8	110.8
51	31.1	23.0	34.4
86	64.5	52.1	78.1



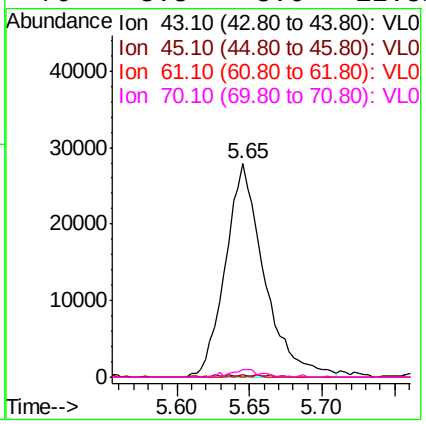


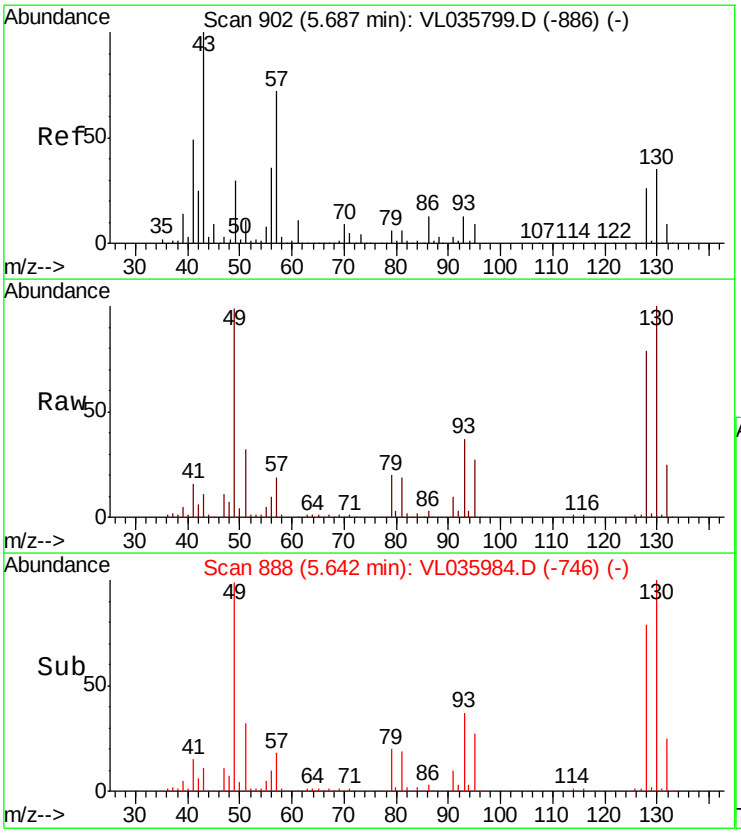
#25
Ethyl Acetate
Concen: 0.226 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.03 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Instrument : MSVOA_L
ClientSampleId : IA2DL

Tgt Ion: 43 Resp: 51945

Ion	Ratio	Lower	Upper
43	100		
45	1.5	8.5	12.7#
61	0.4	10.7	16.1#
70	3.3	8.6	12.8#

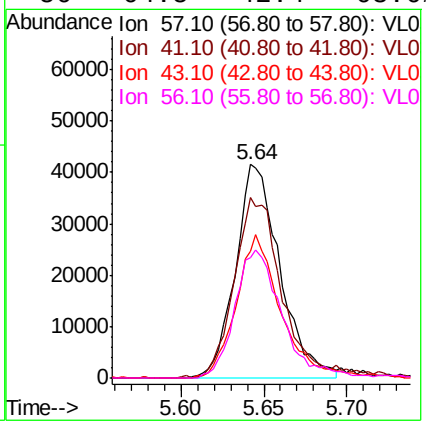


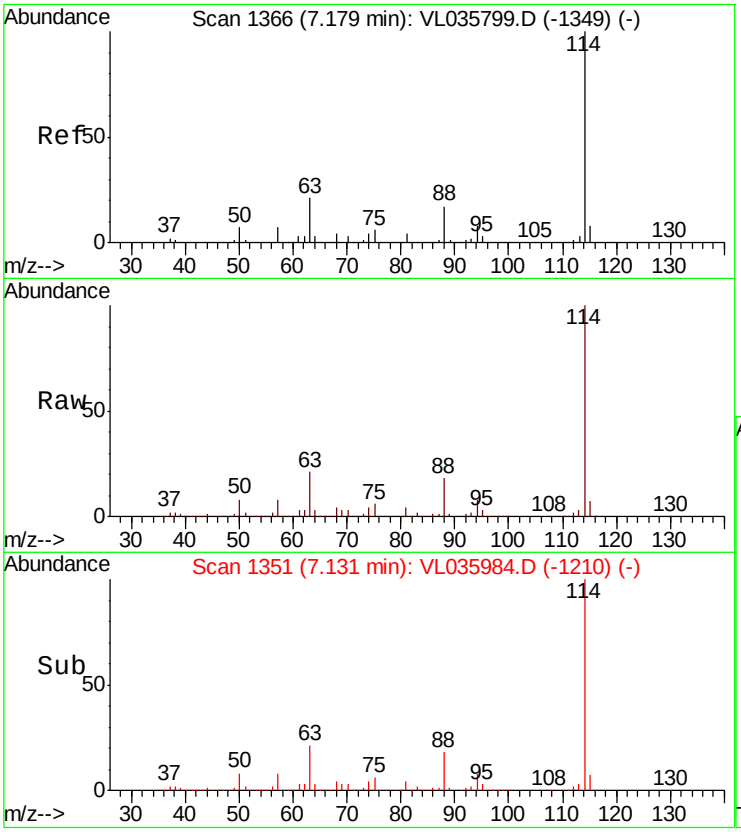


#26
Hexane
Concen: 0.610 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.04 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Tgt Ion: 57 Resp: 77425

Ion	Ratio	Lower	Upper
57	100		
41	93.4	58.9	88.3#
43	68.2	150.2	225.2#
56	64.5	42.4	63.6#



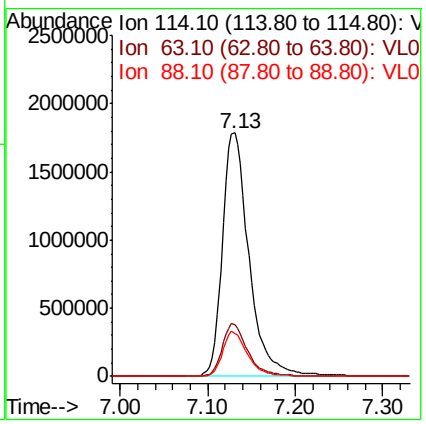


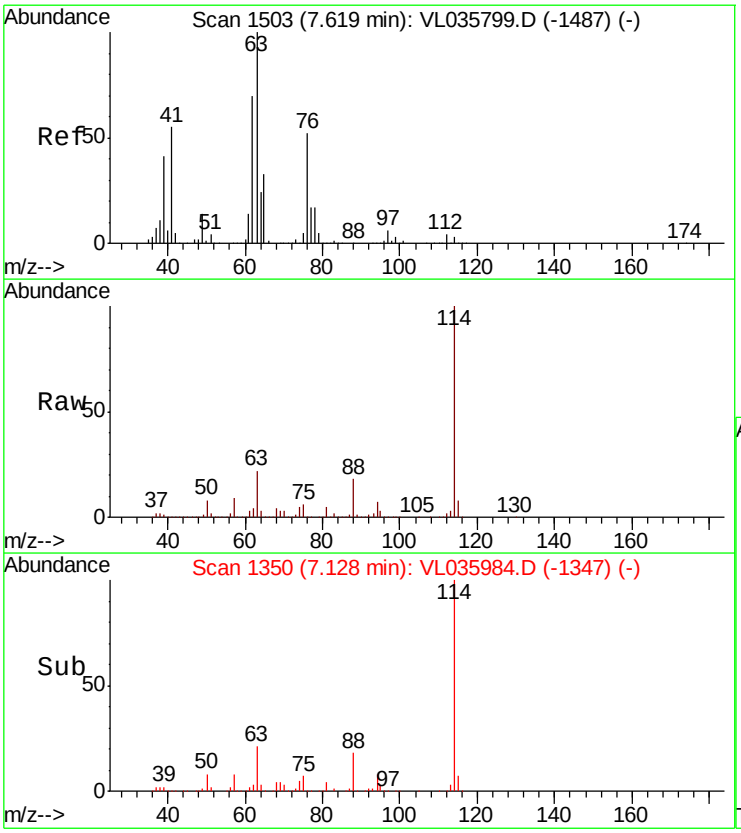
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.05 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion:114 Resp: 3772933

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.1	24.1
88	17.5	13.7	20.5

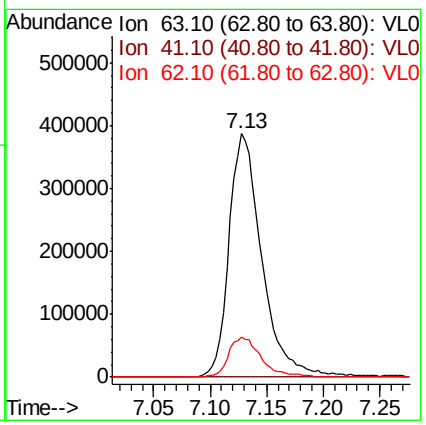


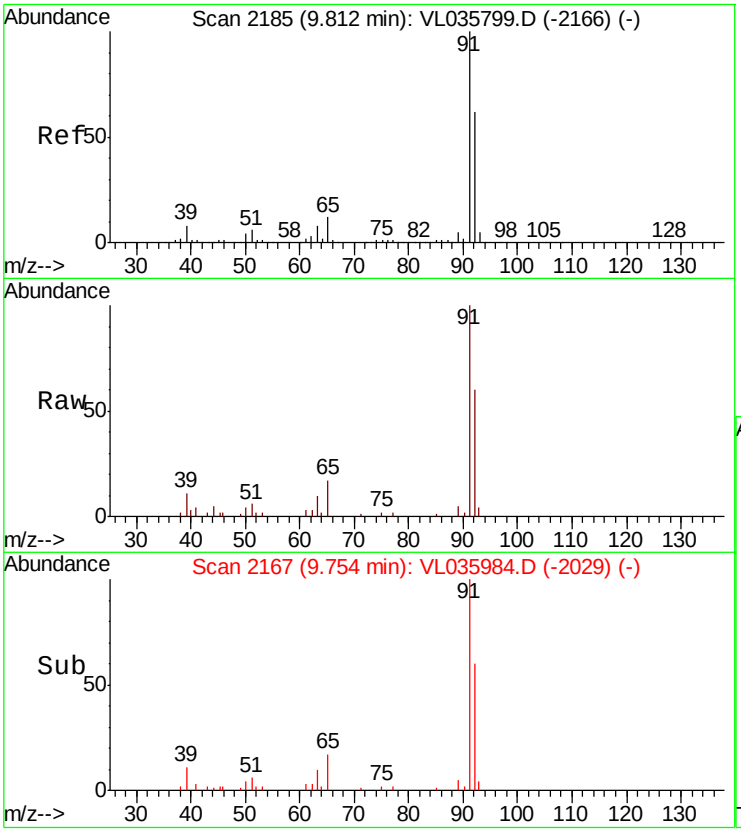


#39
1,2-Dichloropropane
Concen: 8.252 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.49 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Tgt Ion: 63 Resp: 779260

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.6	56.2	84.2#



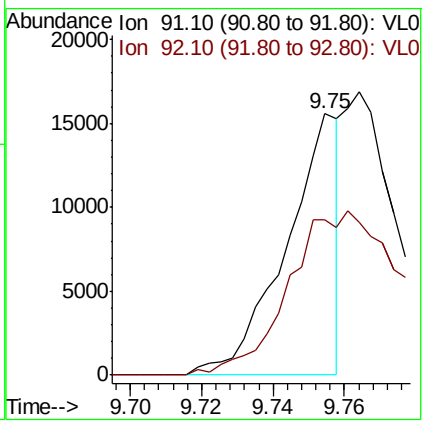


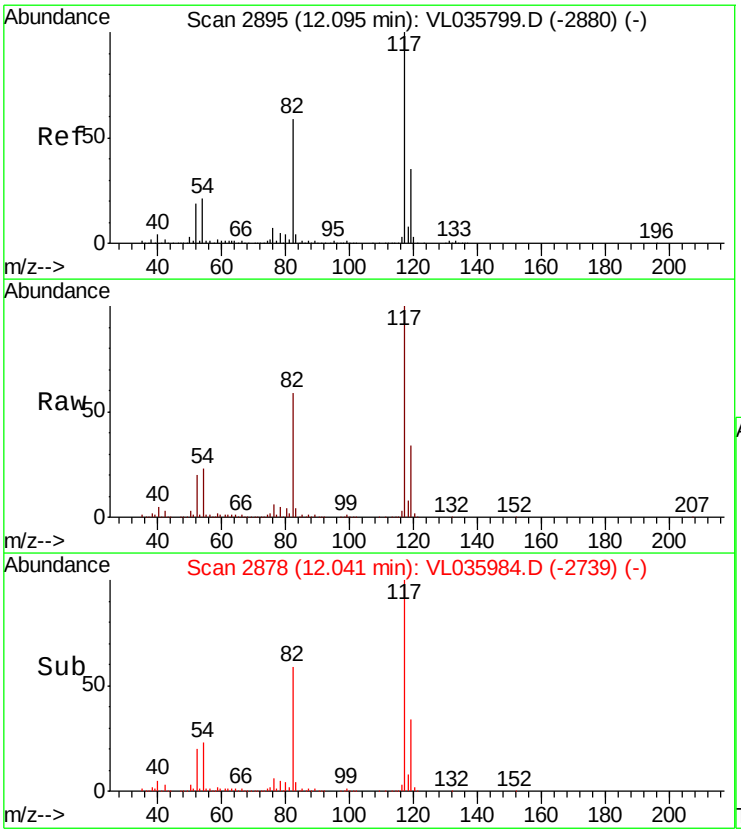
#53
Toluene
Concen: 0.047 ppbv
RT: 9.75 min Scan# 2167
Delta R.T. -0.06 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Instrument : MSVOA_L
ClientSampleId : IA2DL

Tgt Ion: 91 Resp: 16024

Ion	Ratio	Lower	Upper
91	100		
92	0.0	49.8	74.6#

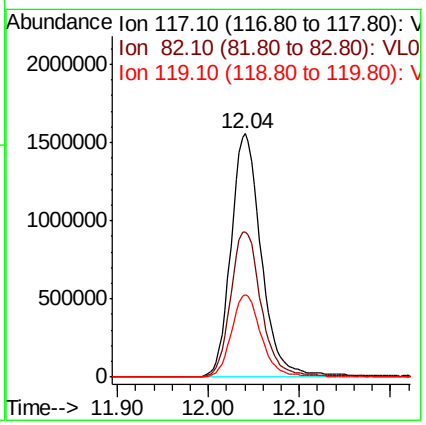


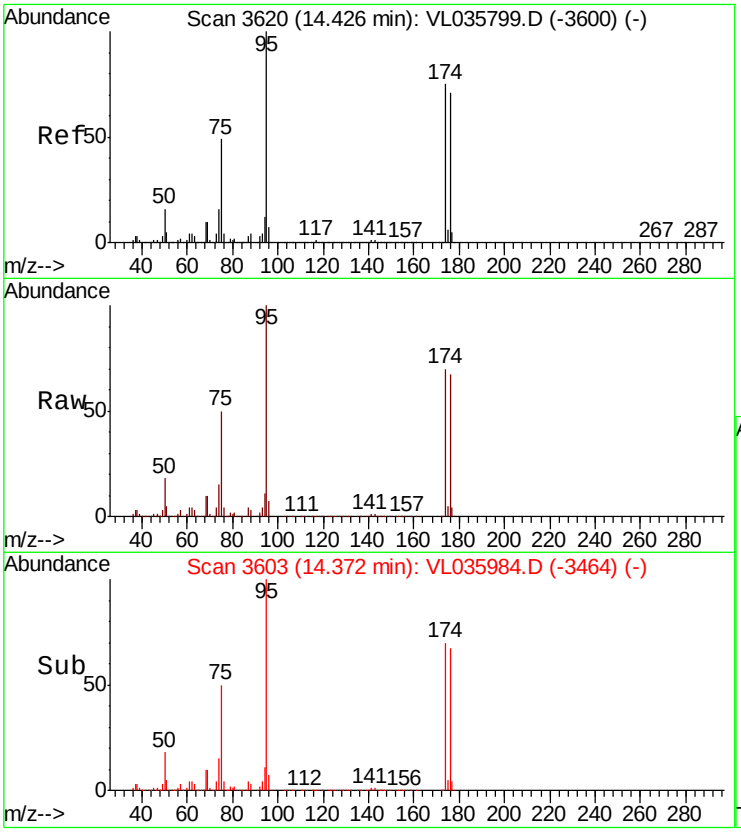


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min Scan# 2878
Delta R.T. -0.05 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Tgt Ion:117 Resp: 3594468

Ion	Ratio	Lower	Upper
117	100		
82	61.9	50.6	76.0
119	34.0	52.6	78.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.397 ppbv
RT: 14.37 min Scan# 3603
Delta R.T. -0.05 min
Lab File: VL035984.D
Acq: 18 Nov 2020 22:04

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 95 Resp: 2655282

Ion	Ratio	Lower	Upper
95	100		
174	71.1	59.8	89.6
175	5.0	4.3	6.5