Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026236.D
Acq On : 21 Oct 2015 13:56
Operator : SY/MD
Sample : G4112-01 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SUBSLAB-233

Quant Time: Oct 22 09:25:37 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.62	49	503616	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	8.29	114	1474935	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.71	117	1775301	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.25	95	1408951	10.29	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.62	85	12562	0.12	ppbv		93
3) Chlorodifluoromethane	3.55	51	20029	0.31	ppbv		97
13) Ethanol	4.33	45	30737	6.87	ppbv		88
15) Acetone	4.60	43	66103	0.89	ppbv	#	80
17) tert-Butyl alcohol	5.17	59	9578	0.19	ppbv	#	87
26) Hexane	6.63	57	13107	0.19	ppbv	#	55
34) 2-Butanone	6.21	43	9498	0.11	ppbv		94
38) Trichloroethene	9.03	130	4958	0.07	ppbv		95
41) Tetrahydrofuran	7.15	42	8360	0.17	ppbv		95
52) Tetrachloroethene	12.76	164	1519669	17.64	ppbv		99
53) Toluene	11.20	91	67285	0.33	ppbv		100

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

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Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
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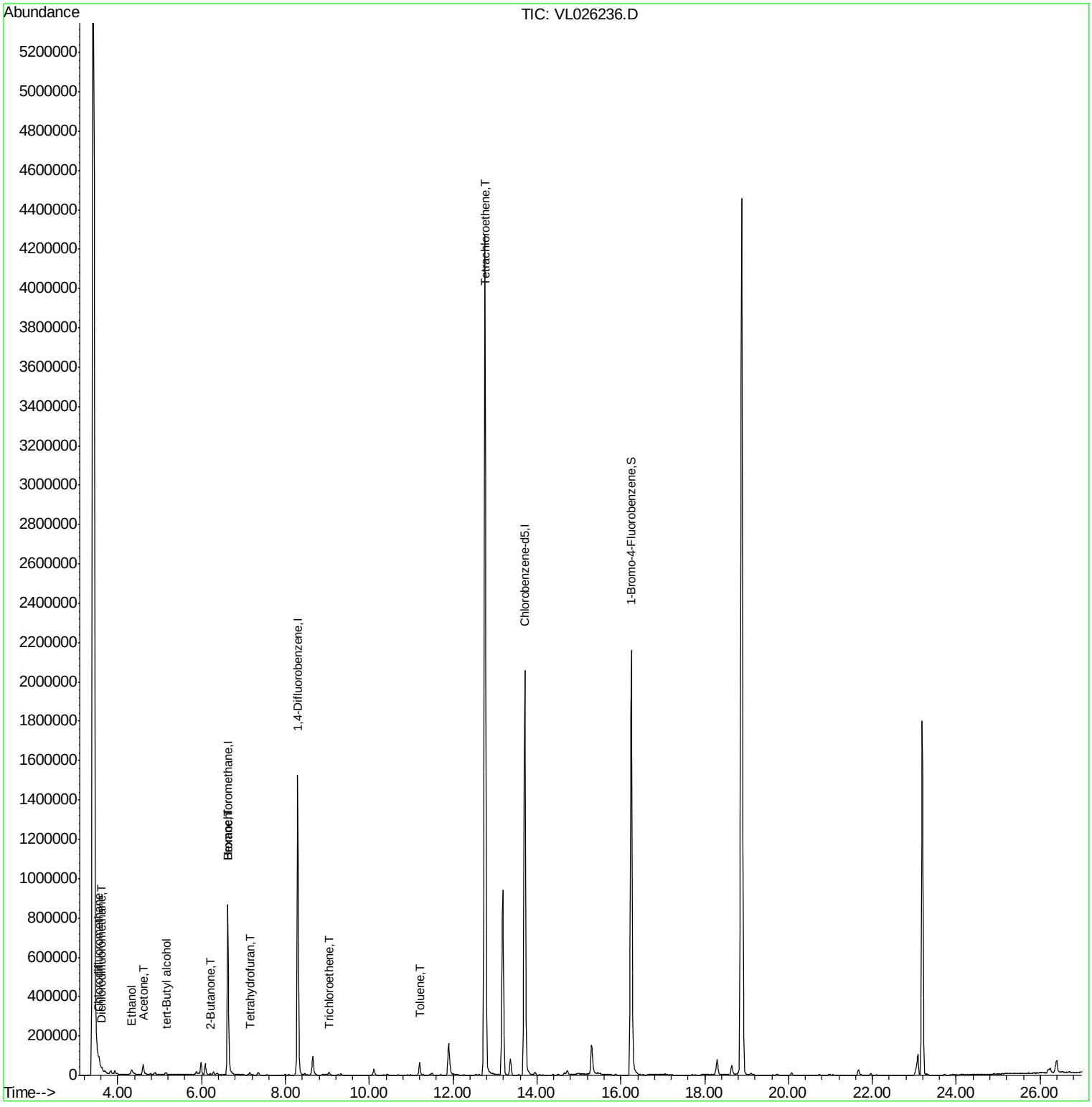
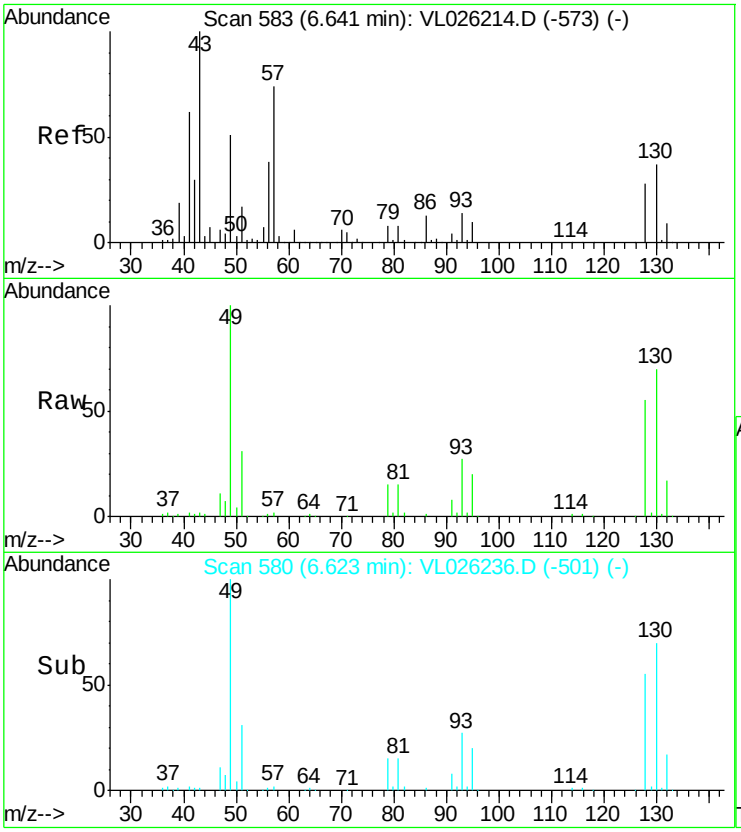


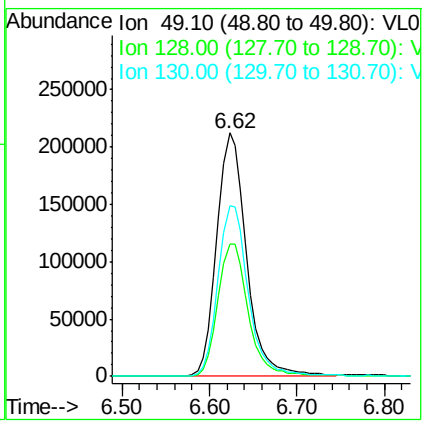


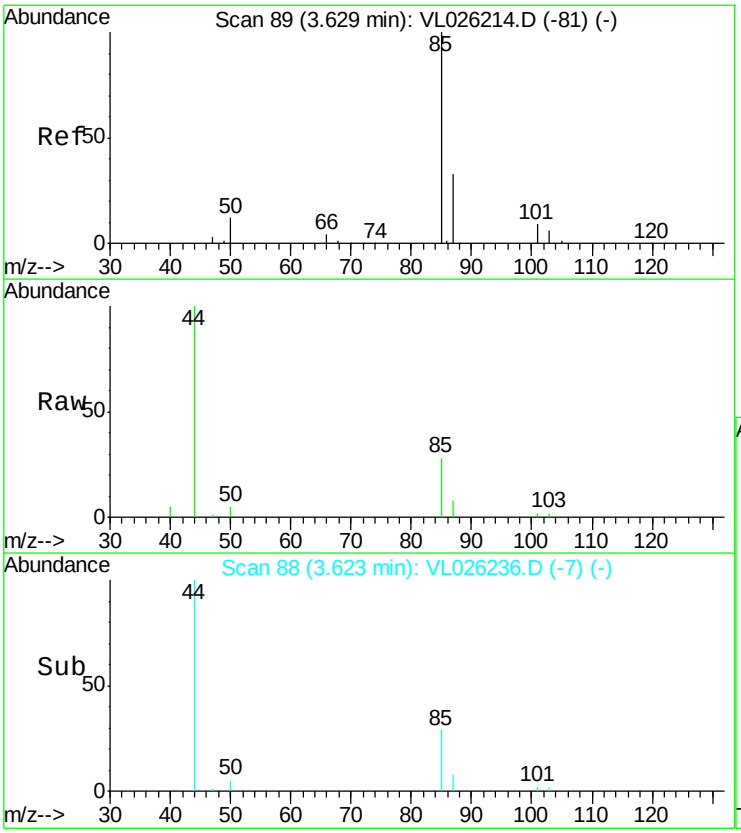
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.62 min Scan# 580
Delta R.T. -0.02 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Instrument :
MSVOA_L
ClientSampleId :
SUBSLAB-233

Tgt Ion: 49 Resp: 503616

Ion	Ratio	Lower	Upper
49	100		
128	56.5	28.2	84.7
130	72.4	36.0	108.1

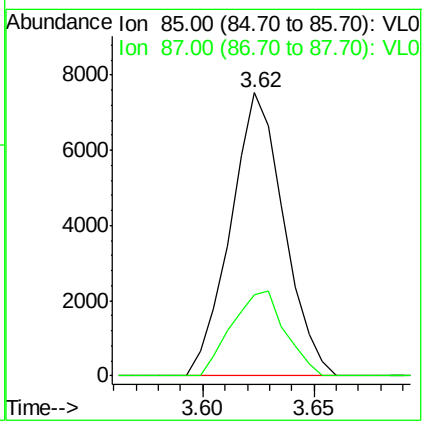


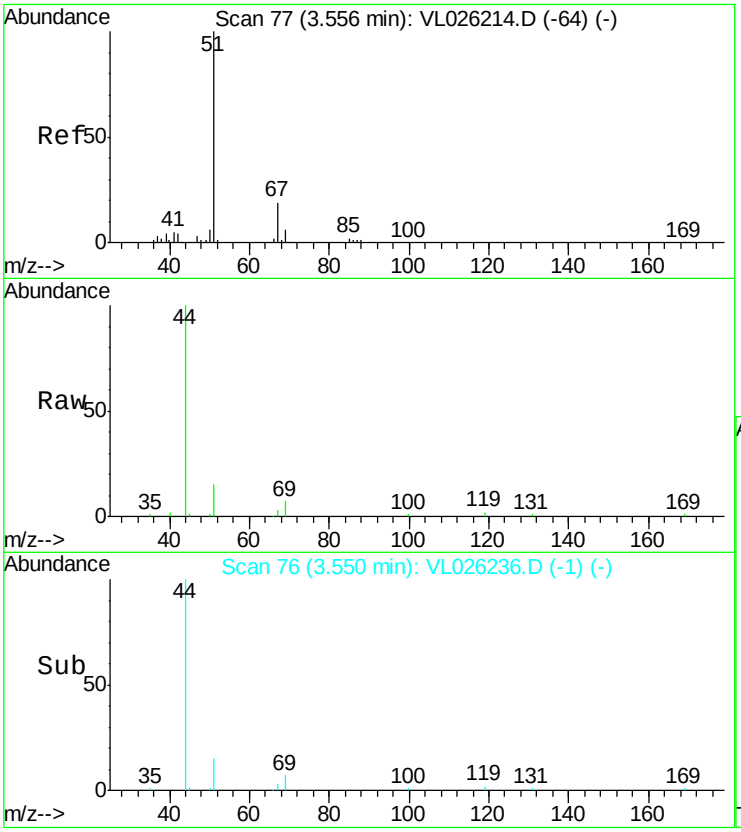


#2
Dichlorodifluoromethane
Concen: 0.12 ppbv
RT: 3.62 min Scan# 88
Delta R.T. -0.01 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Tgt Ion: 85 Resp: 12562

Ion	Ratio	Lower	Upper
85	100		
87	28.5	26.1	39.1



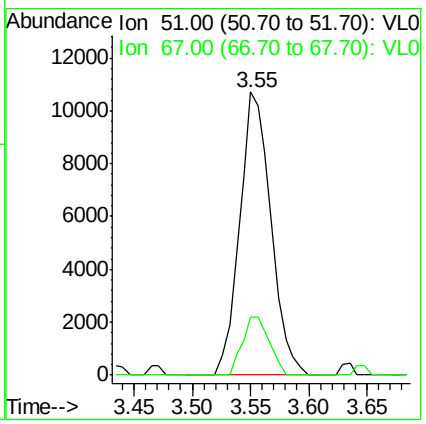


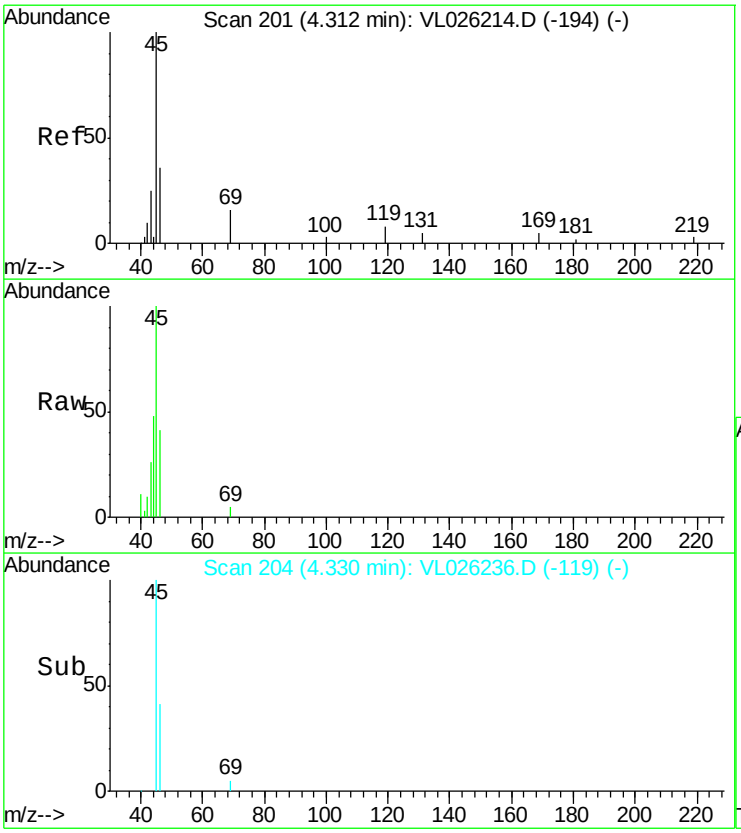
#3
Chlorodifluoromethane
Concen: 0.31 ppbv
RT: 3.55 min Scan# 76
Delta R.T. -0.01 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Tgt Ion: 51 Resp: 20029

Ion	Ratio	Lower	Upper
51	100		
67	17.7	15.3	22.9

Instrument :
MSVOA_L
ClientSampleId :
SUBSLAB-233

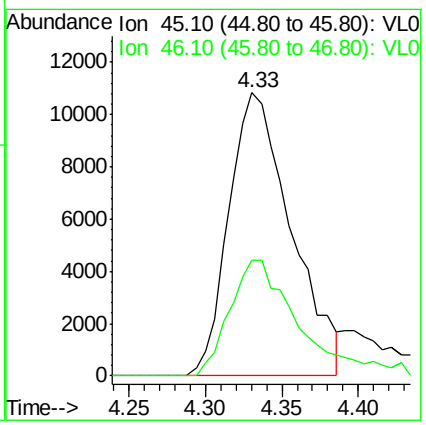


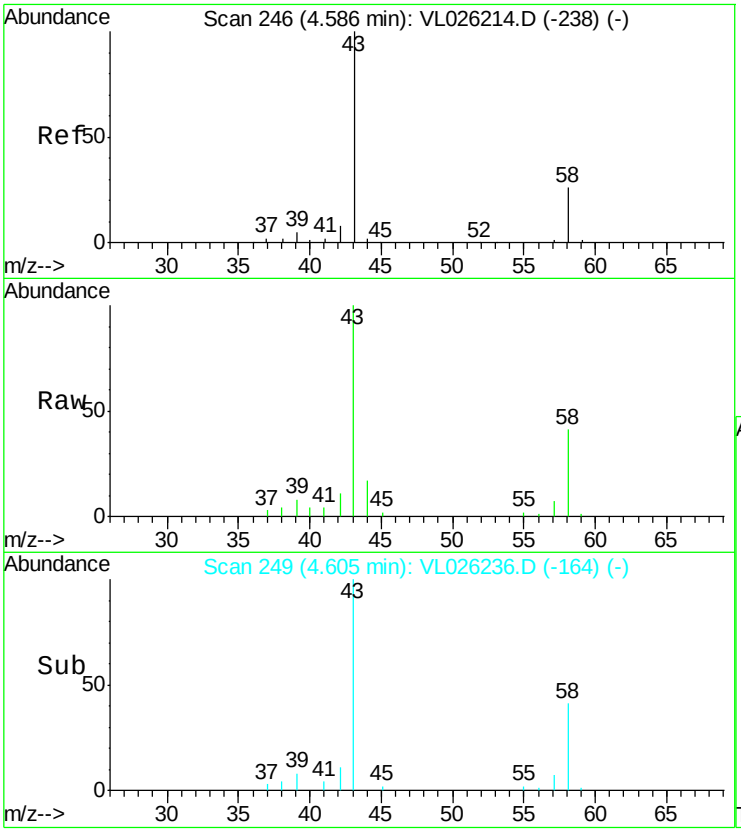


#13
Ethanol
Concen: 6.87 ppbv
RT: 4.33 min Scan# 204
Delta R.T. 0.02 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Tgt Ion: 45 Resp: 30737

Ion	Ratio	Lower	Upper
45	100		
46	46.9	15.8	63.0



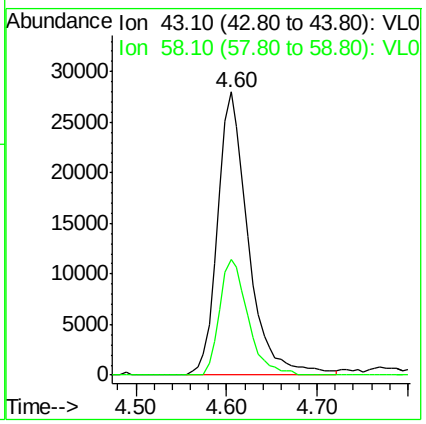


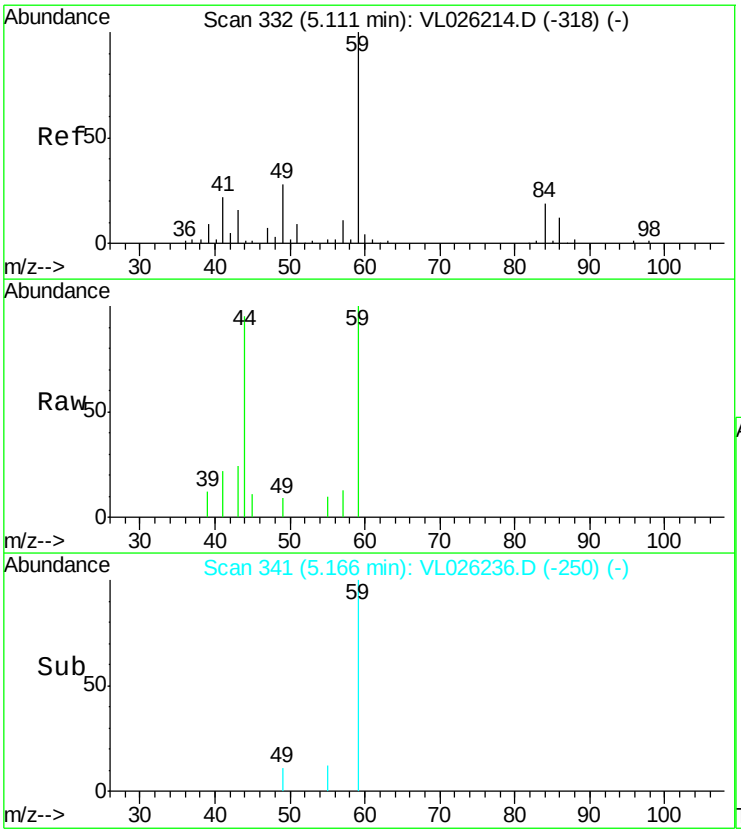
#15
Acetone
Concen: 0.89 ppbv
RT: 4.60 min Scan# 249
Delta R.T. 0.02 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Instrument : MSVOA_L
ClientSampleId : SUBSLAB-233

Tgt Ion: 43 Resp: 66103

Ion	Ratio	Lower	Upper
43	100		
58	37.5	21.8	32.6#

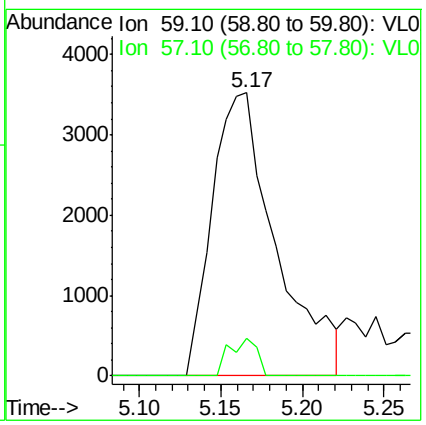


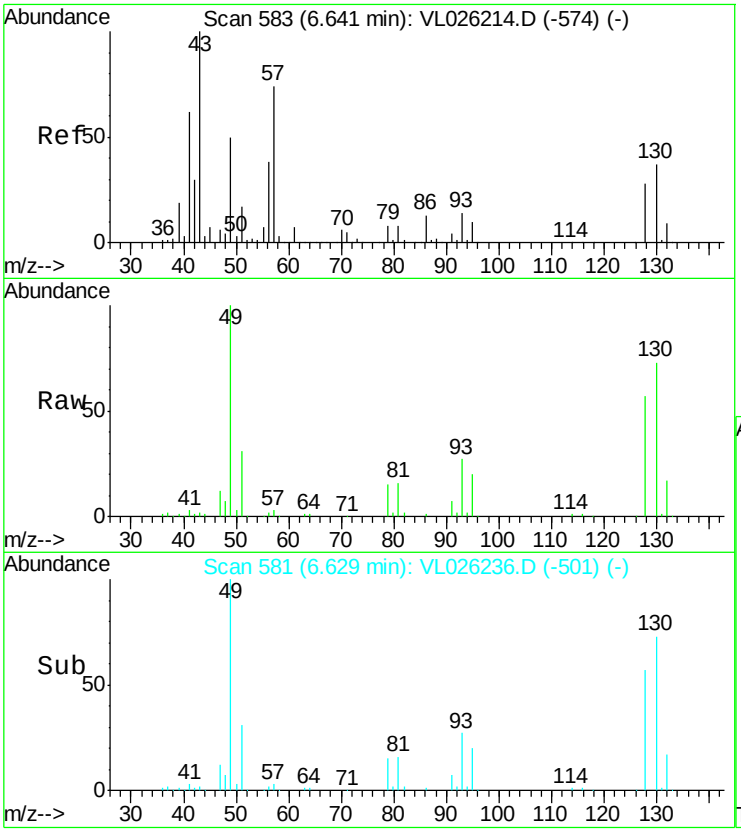


#17
tert-Butyl alcohol
Concen: 0.19 ppbv
RT: 5.17 min Scan# 341
Delta R.T. 0.05 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Tgt Ion: 59 Resp: 9578

Ion	Ratio	Lower	Upper
59	100		
57	5.8	8.5	12.7#



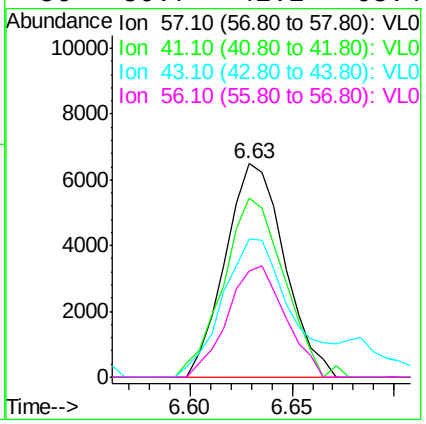


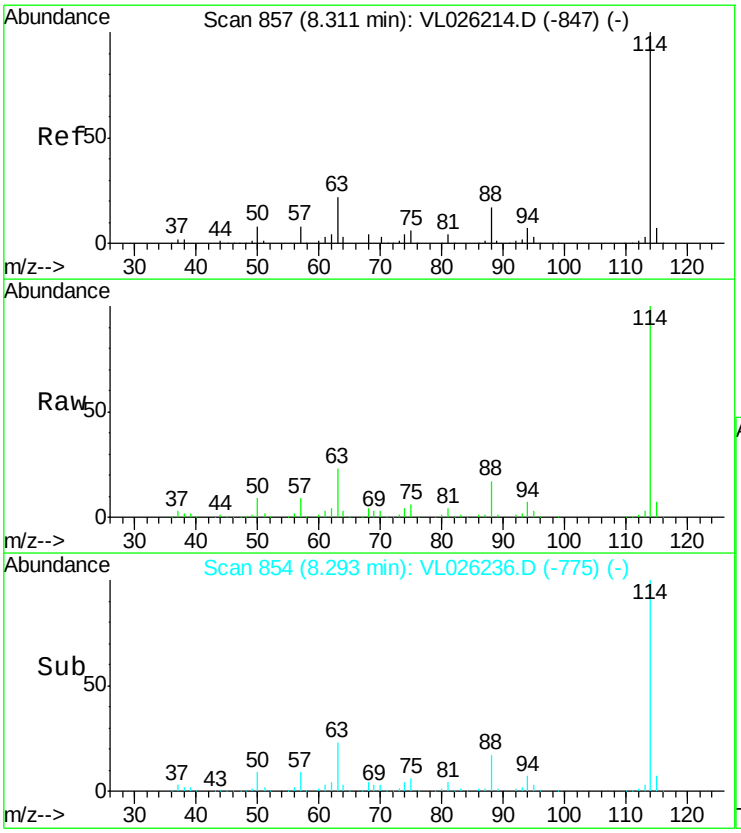
#26
Hexane
Concen: 0.19 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Instrument : MSVOA_L
ClientSampleId : SUBSLAB-233

Tgt Ion: 57 Resp: 13107

Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.1	102.1
43	90.2	163.4	245.2#
56	50.7	42.2	63.4

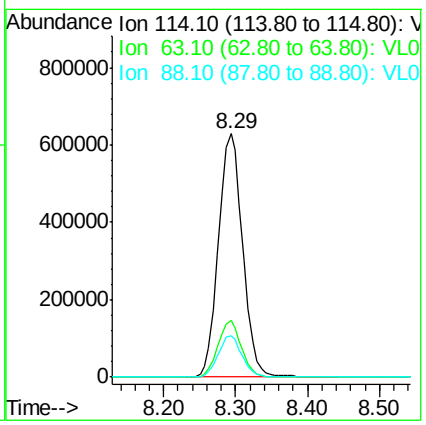


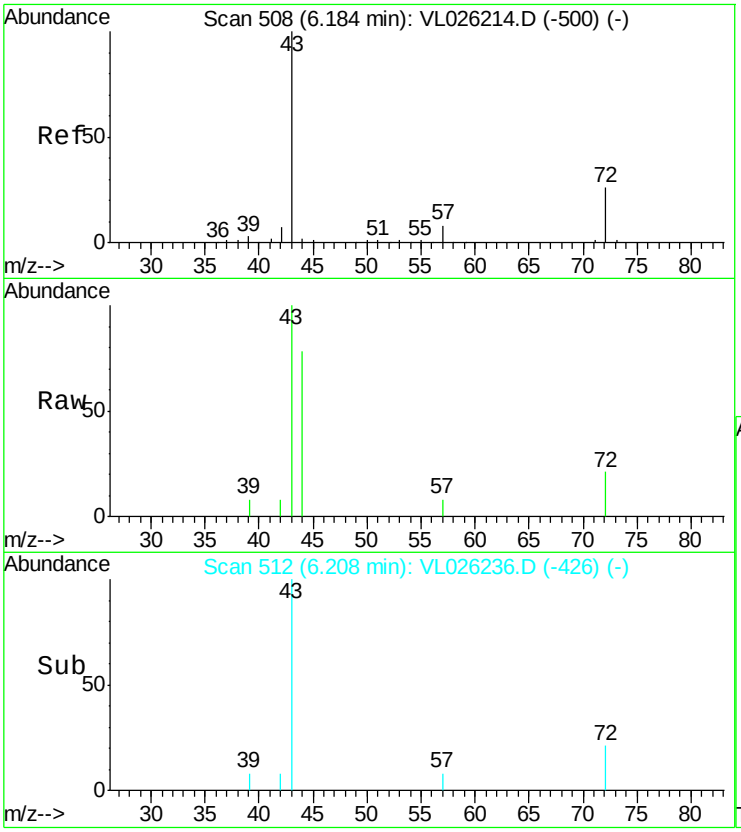


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.29 min Scan# 854
Delta R.T. -0.02 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Tgt Ion:114 Resp: 1474935

Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.2	27.4
88	16.8	13.5	20.3



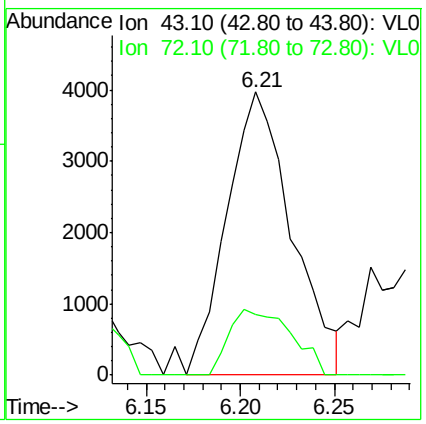


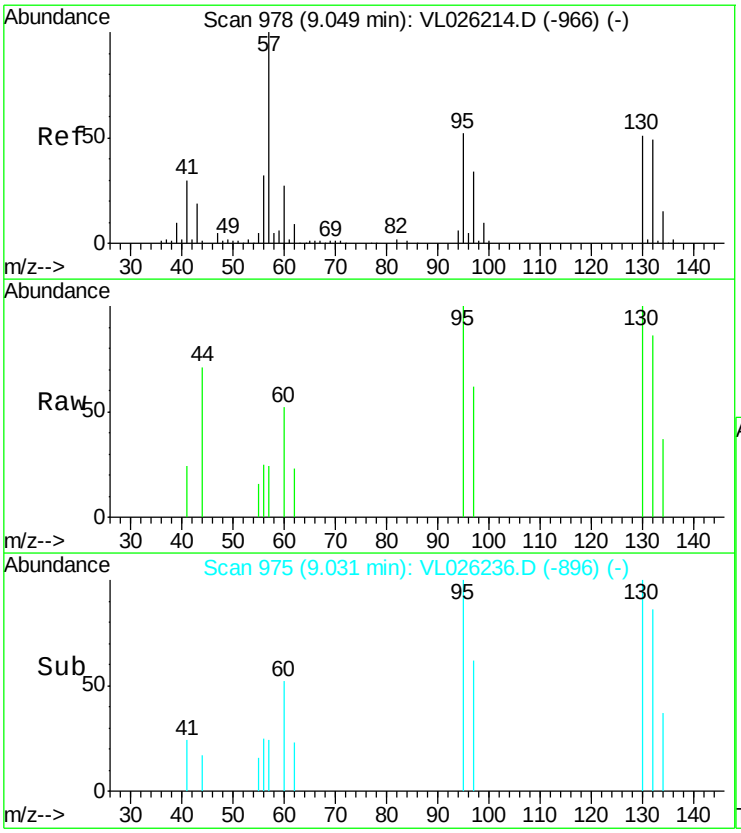
#34
2-Butanone
Concen: 0.11 ppbv
RT: 6.21 min Scan# 512
Delta R.T. 0.02 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Instrument : MSVOA_L
ClientSampleId : SUBSLAB-233

Tgt Ion: 43 Resp: 9498

Ion	Ratio	Lower	Upper
43	100		
72	22.1	20.1	30.1

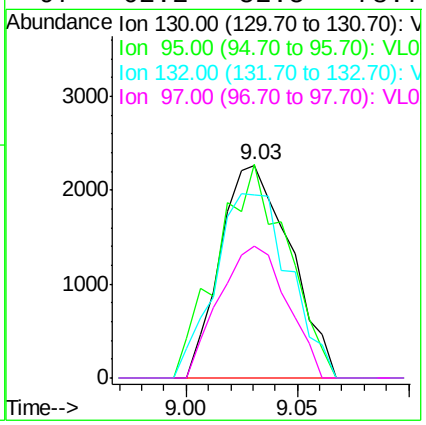


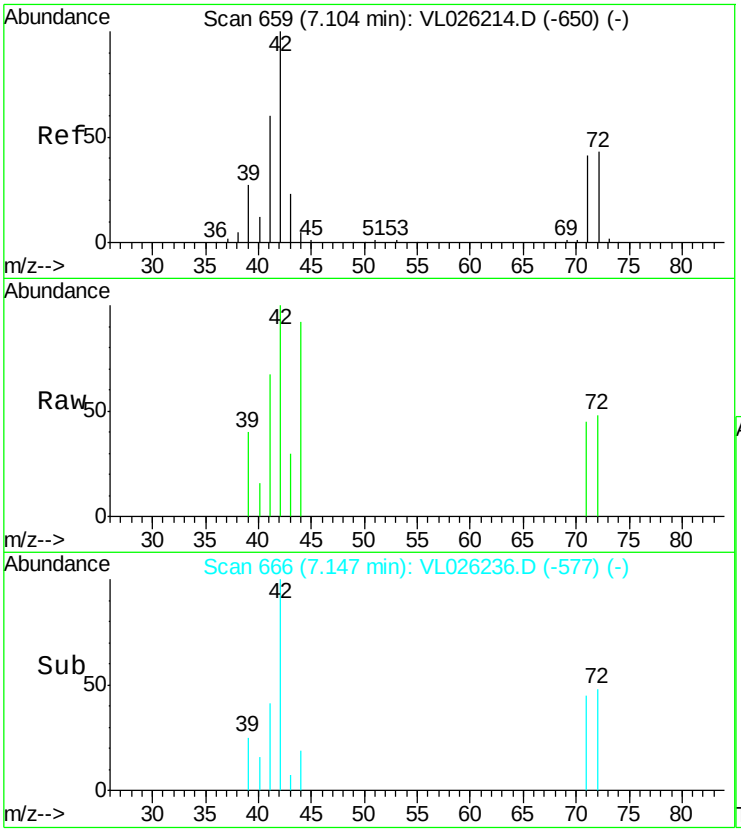


#38
Trichloroethene
Concen: 0.07 ppbv
RT: 9.03 min Scan# 975
Delta R.T. -0.02 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Tgt Ion:130 Resp: 4958

Ion	Ratio	Lower	Upper
130	100		
95	100.5	81.0	121.4
132	86.1	76.5	114.7
97	62.2	52.5	78.7



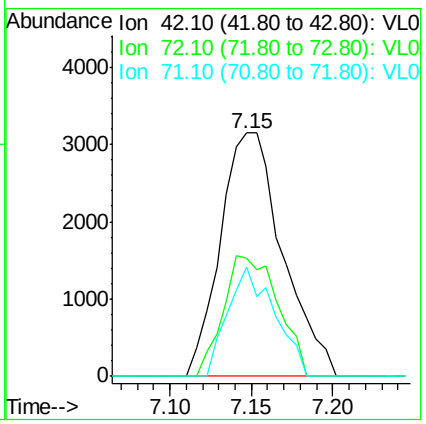


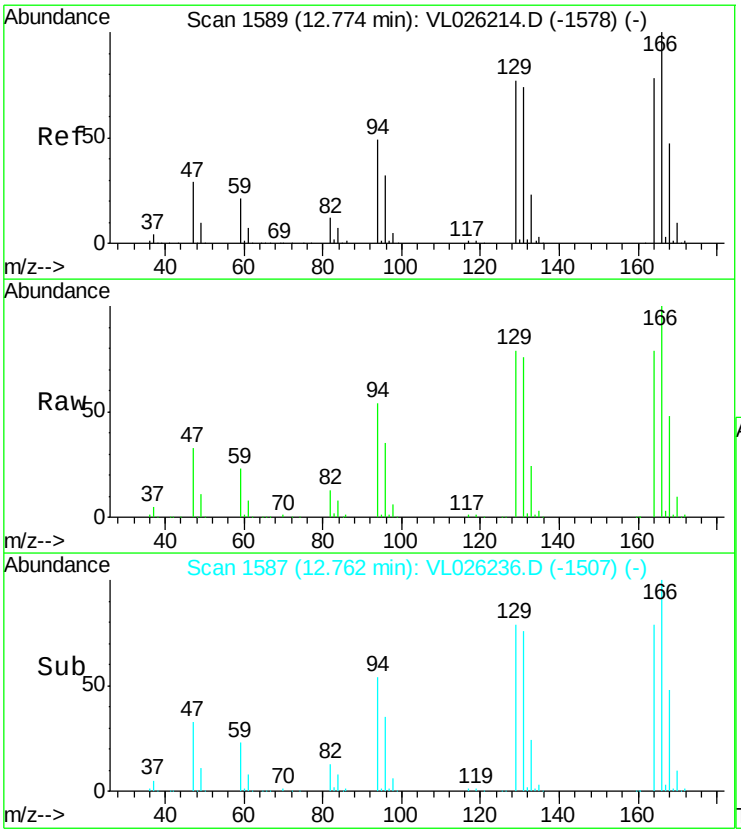
#41
Tetrahydrofuran
Concen: 0.17 ppbv
RT: 7.15 min Scan# 666
Delta R.T. 0.04 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Instrument : MSVOA_L
ClientSampleId : SUBSLAB-233

Tgt Ion: 42 Resp: 8360

Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.3	51.5
71	33.7	32.1	48.1

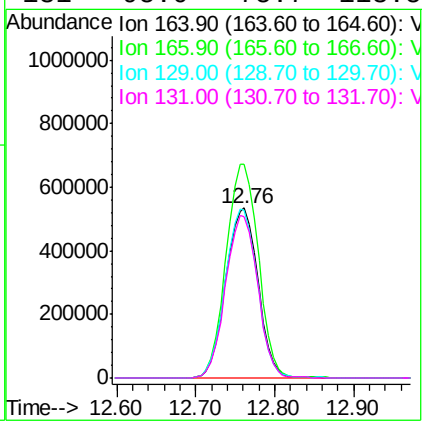


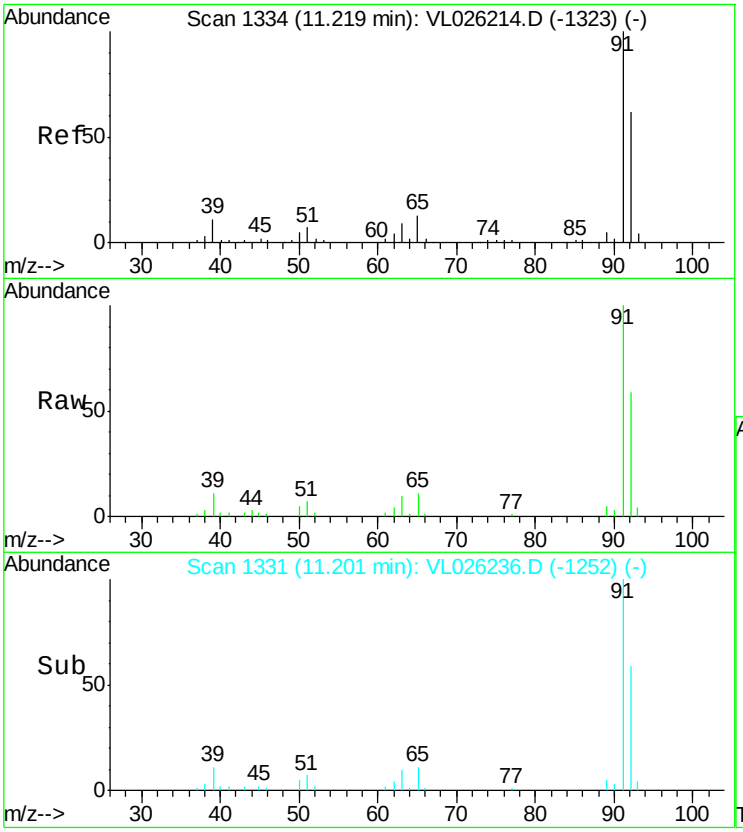


#52
Tetrachloroethene
Concen: 17.64 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Tgt Ion:164 Resp: 1519669

Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.3	153.5
129	99.1	78.2	117.4
131	95.0	75.7	113.5



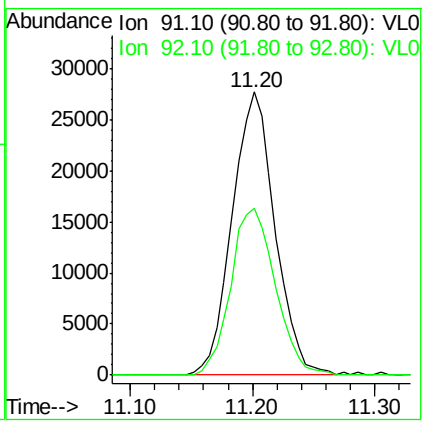


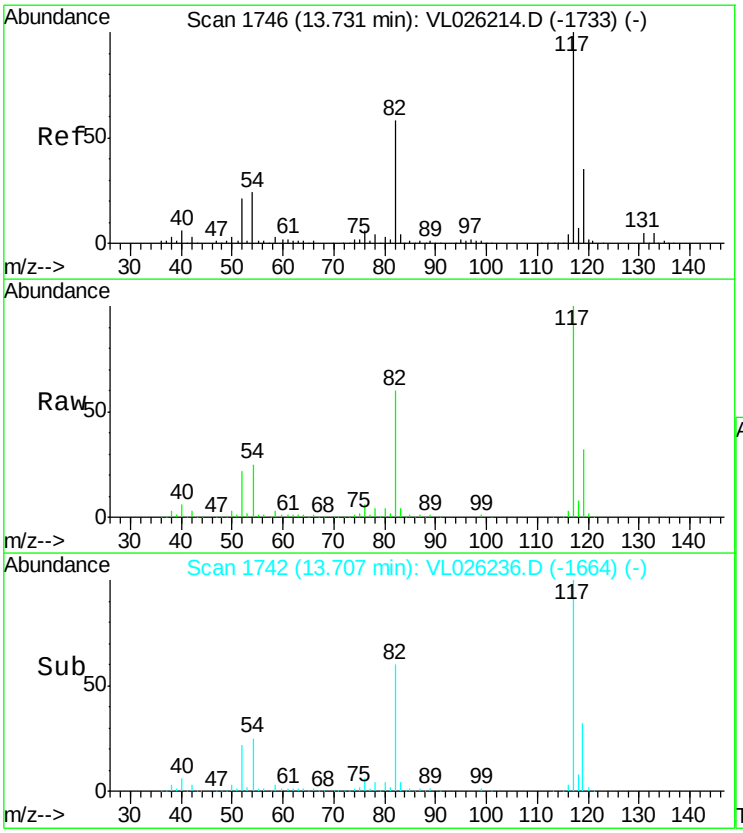
#53
Toluene
Concen: 0.33 ppbv
RT: 11.20 min Scan# 1331
Delta R.T. -0.02 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Instrument : MSVOA_L
ClientSampleId : SUBSLAB-233

Tgt Ion: 91 Resp: 67285

Ion	Ratio	Lower	Upper
91	100		
92	61.5	49.2	73.8

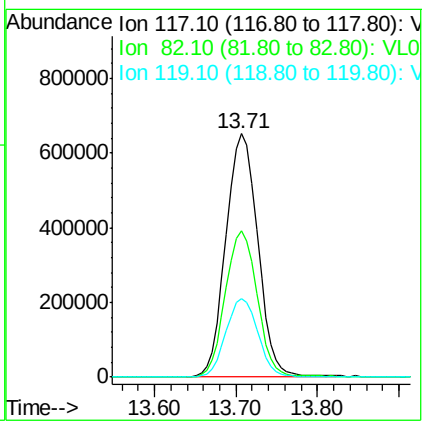


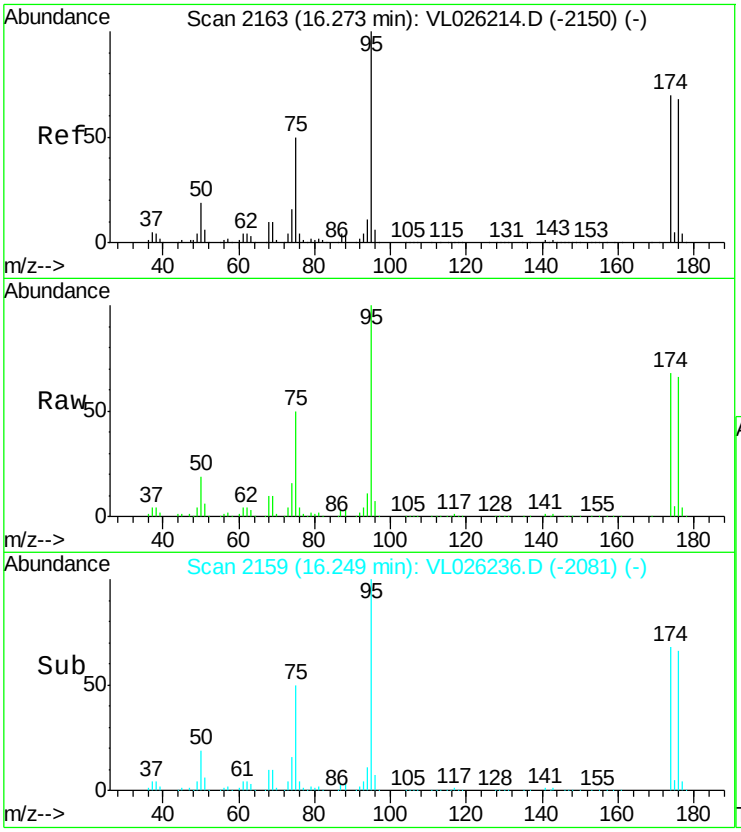


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1742
Delta R.T. -0.02 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Tgt Ion:117 Resp: 1775301

Ion	Ratio	Lower	Upper
117	100		
82	60.4	45.8	68.8
119	32.6	45.0	67.4#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.29 ppbv
RT: 16.25 min Scan# 2159
Delta R.T. -0.02 min
Lab File: VL026236.D
Acq: 21 Oct 2015 13:56

Instrument :
MSVOA_L
ClientSampleId :
SUBSLAB-233

Tgt Ion: 95 Resp: 1408951

Ion	Ratio	Lower	Upper
95	100		
174	68.7	55.8	83.8
175	5.1	4.3	6.5