Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102015\
Data File : VL026230.D
Acq On : 21 Oct 2015 6:53
Operator : SY/MD
Sample : G4112-02 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : RB-SUBSLAB-239

Quant Time: Oct 22 10:14:53 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Oct 20 20:24:48 2015
QLast Update : Tue Oct 20 20:24:48 2015
Response via : Initial Calibration

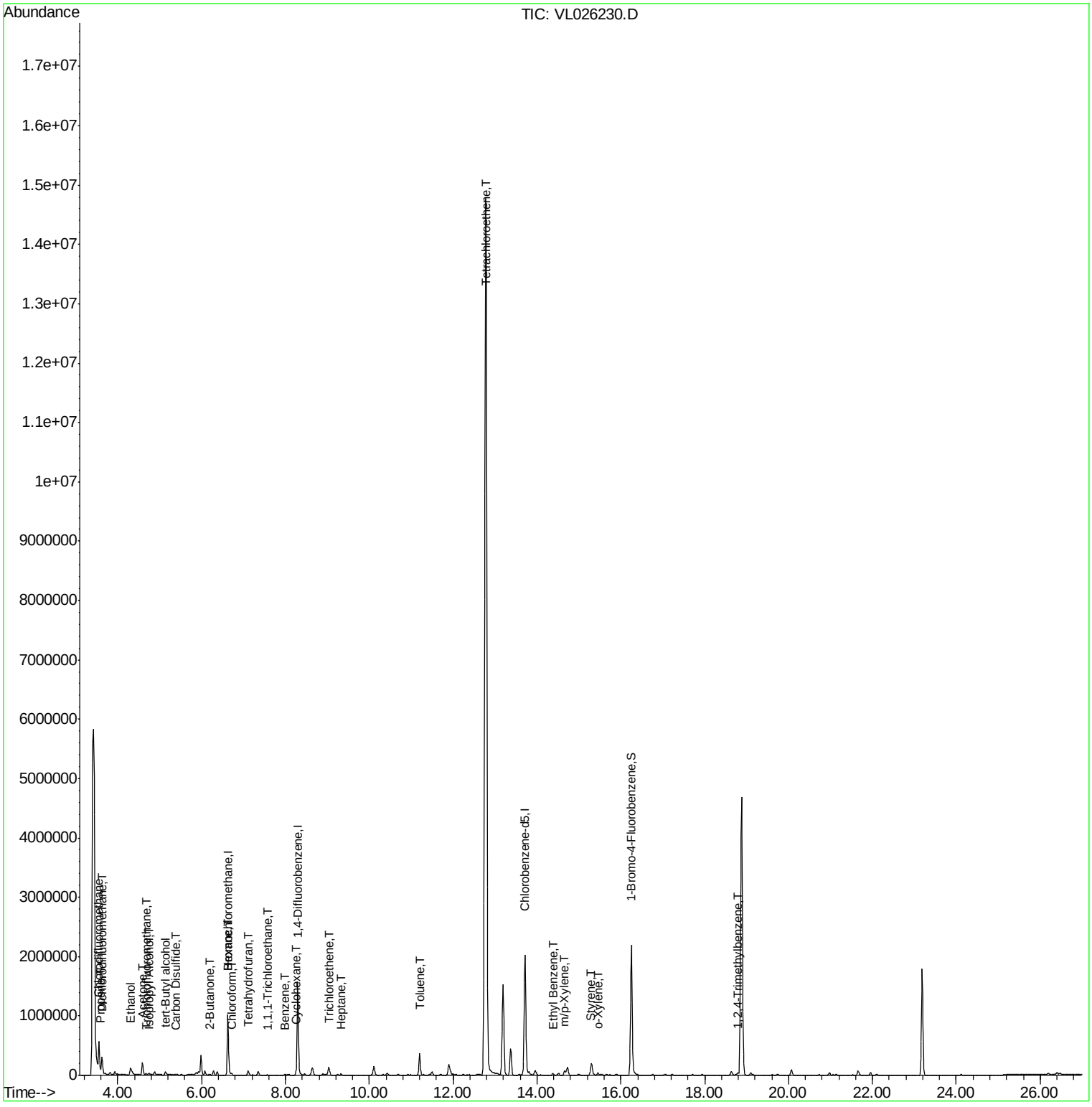
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.62	49	512991	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	8.29	114	1492138	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.71	117	1829026	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.25	95	1429114	10.13	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.62	85	251418	2.36	ppbv		96
3) Chlorodifluoromethane	3.55	51	580451	8.94	ppbv		100
9) Propene	3.59	41	6974	0.23	ppbv	#	77
10) Heptane	9.32	43	13259	0.13	ppbv		95
11) Trichlorofluoromethane	4.67	101	14688	0.14	ppbv		95
13) Ethanol	4.31	45	226701	49.71	ppbv		96
15) Acetone	4.59	43	247560	3.28	ppbv		92
17) tert-Butyl alcohol	5.14	59	77122	1.49	ppbv		98
19) Isopropyl Alcohol	4.75	45	26079	0.88	ppbv	#	1
26) Hexane	6.63	57	69517	0.98	ppbv	#	56
27) Carbon Disulfide	5.37	76	17099	0.19	ppbv	#	81
29) Chloroform	6.71	83	13673	0.13	ppbv		94
30) Cyclohexane	8.25	84	20194	0.29	ppbv	#	1
32) 1,1,1-Trichloroethane	7.57	97	3577	0.03	ppbv		93
34) 2-Butanone	6.19	43	25798	0.31	ppbv		99
36) Benzene	7.99	78	14739	0.10	ppbv	#	94
38) Trichloroethene	9.03	130	52959	0.72	ppbv		95
41) Tetrahydrofuran	7.11	42	57230	1.17	ppbv		99
52) Tetrachloroethene	12.78	164	6807068	78.10	ppbv		96
53) Toluene	11.20	91	385582	1.87	ppbv		99
58) Ethyl Benzene	14.38	91	37599	0.13	ppbv		100
59) m/p-Xylene	14.66	91	95165	0.41	ppbv		99
60) o-Xylene	15.46	91	39935	0.16	ppbv		99
61) Styrene	15.28	104	36048	0.33	ppbv		98
74) 1,2,4-Trimethylbenzene	18.79	105	32647	0.12	ppbv	#	74

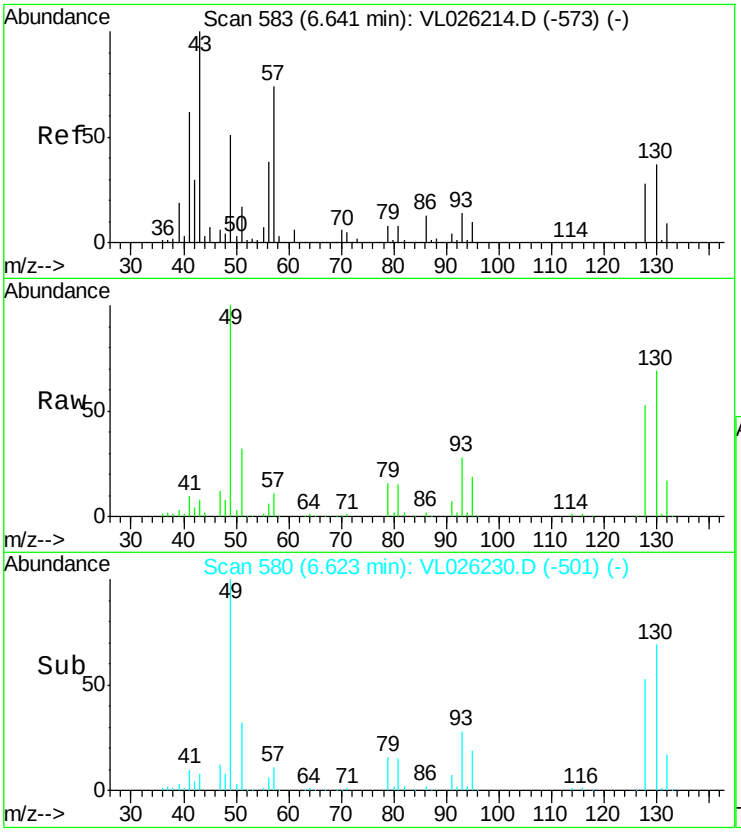
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102015\
Data File : VL026230.D
Acq On : 21 Oct 2015 6:53
Operator : SY/MD
Sample : G4112-02 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239

Quant Time: Oct 22 10:14:53 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Oct 20 20:24:48 2015
QLast Update : Tue Oct 20 20:24:48 2015
Response via : Initial Calibration



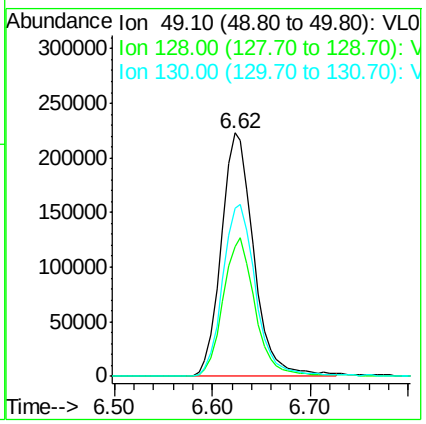


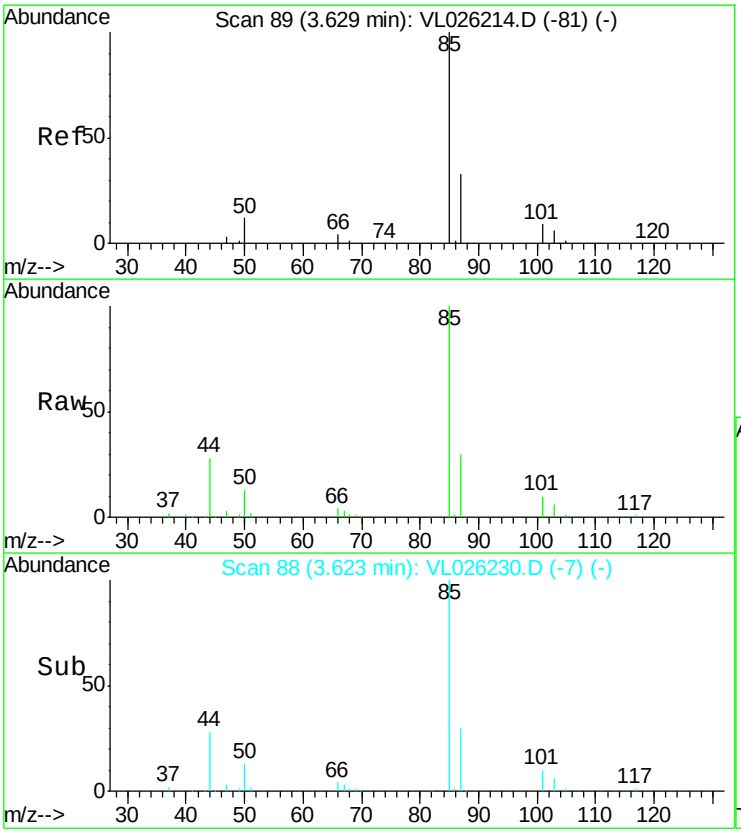
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.62 min Scan# 580
Delta R.T. -0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239

Tgt Ion: 49 Resp: 512991

Ion	Ratio	Lower	Upper
49	100		
128	56.7	28.2	84.7
130	72.8	36.0	108.1

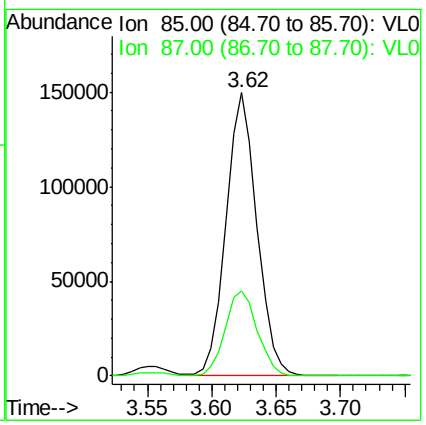


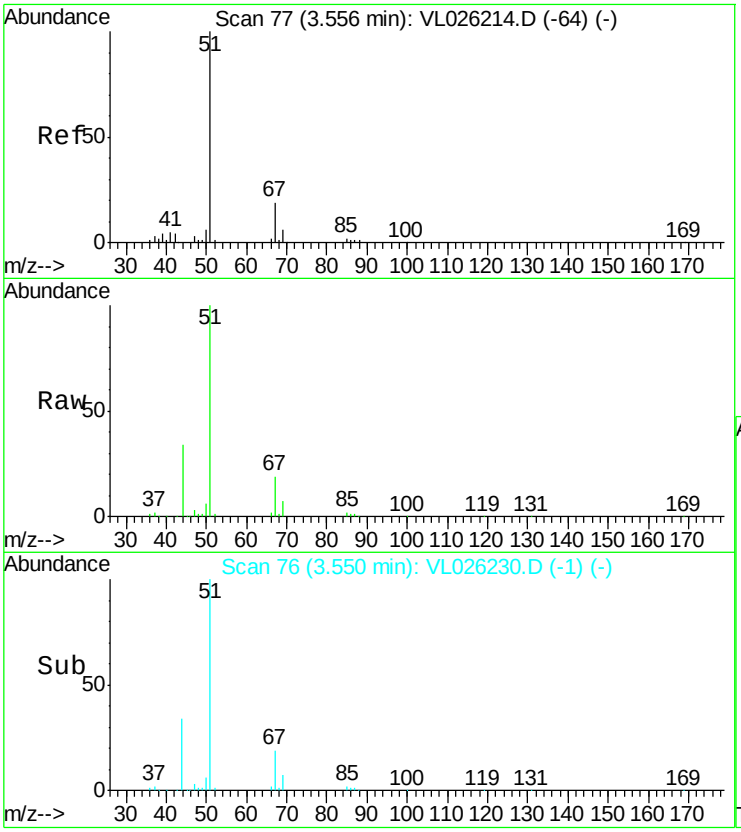


#2
Dichlorodifluoromethane
Concen: 2.36 ppbv
RT: 3.62 min Scan# 88
Delta R.T. -0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 85 Resp: 251418

Ion	Ratio	Lower	Upper
85	100		
87	30.1	26.1	39.1

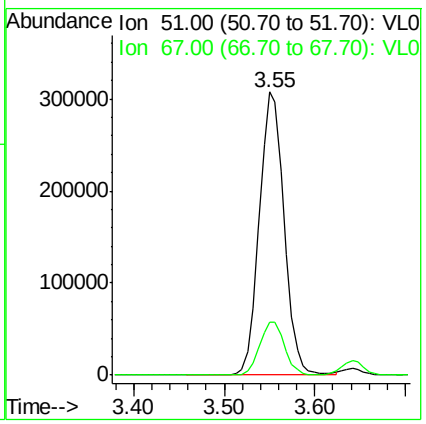




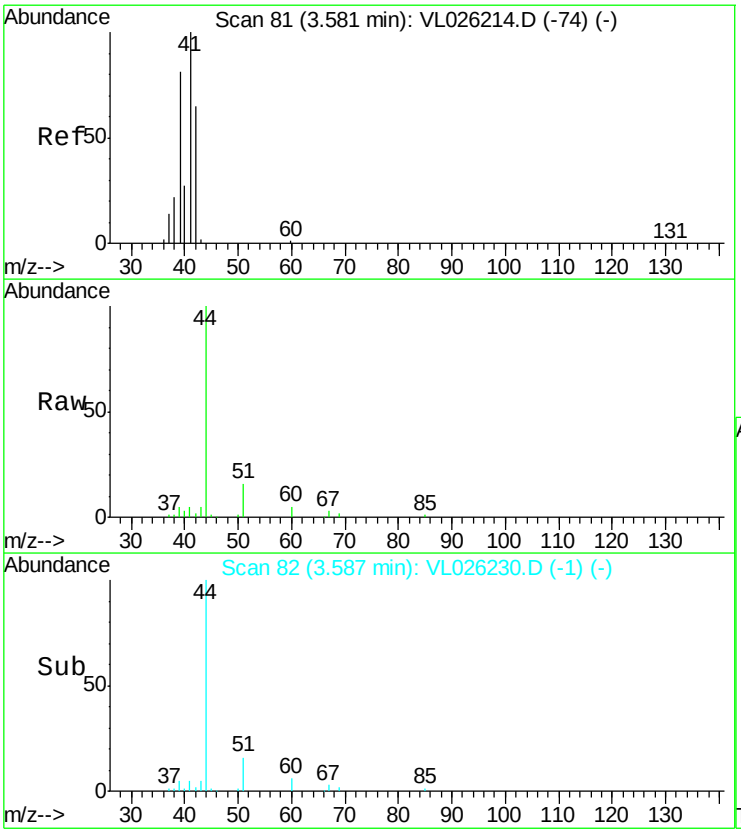
#3
Chlorodifluoromethane
Concen: 8.94 ppbv
RT: 3.55 min Scan# 76
Delta R.T. -0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 51 Resp: 580451

Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.3	22.9



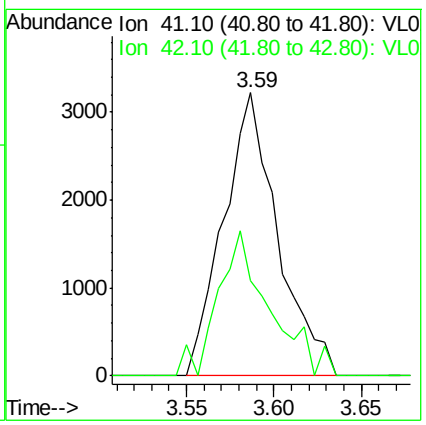
Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239

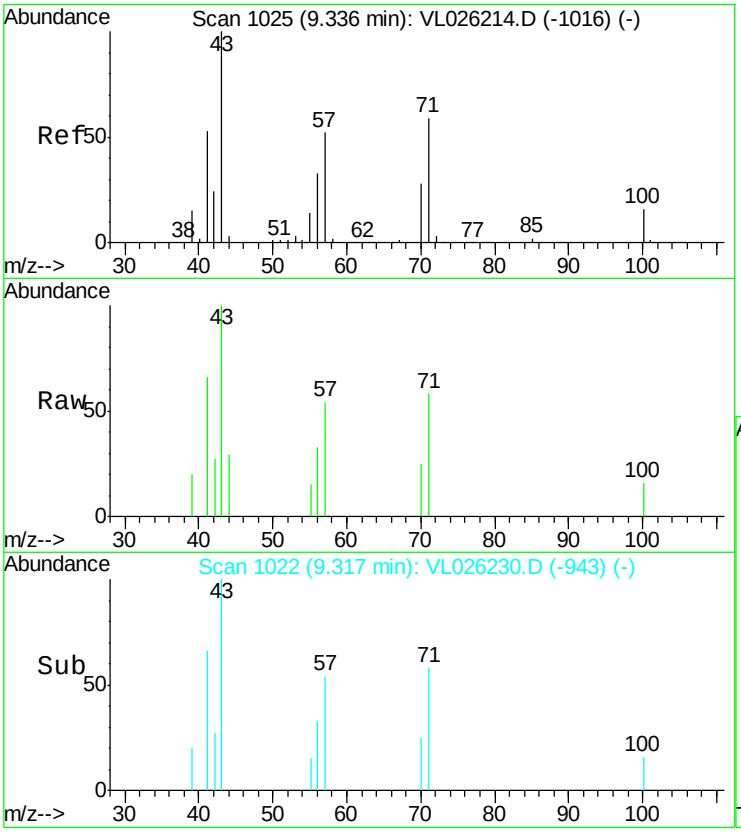


#9
Propene
Concen: 0.23 ppbv
RT: 3.59 min Scan# 82
Delta R.T. 0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 41 Resp: 6974

Ion	Ratio	Lower	Upper
41	100		
42	48.8	53.8	80.8#

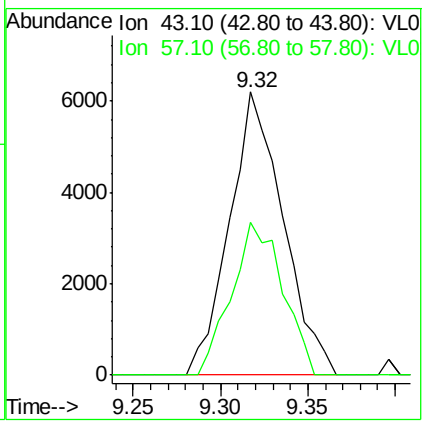




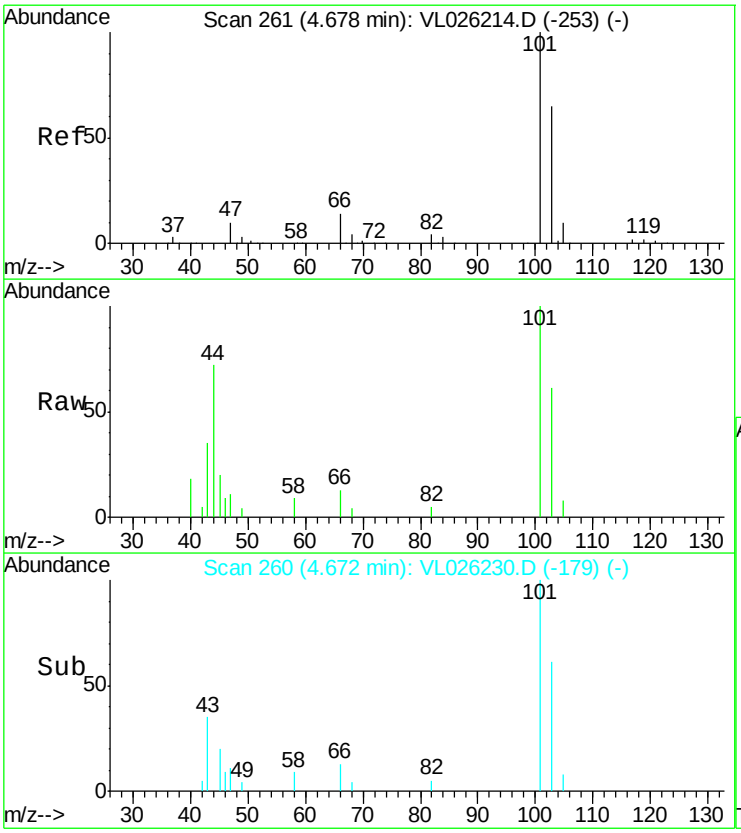
#10
Heptane
Concen: 0.13 ppbv
RT: 9.32 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 43 Resp: 13259

Ion	Ratio	Lower	Upper
43	100		
57	51.3	43.7	65.5



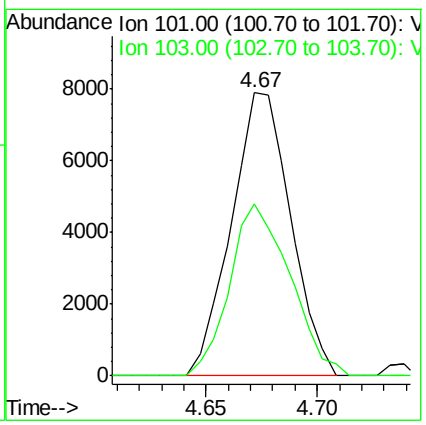
Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239

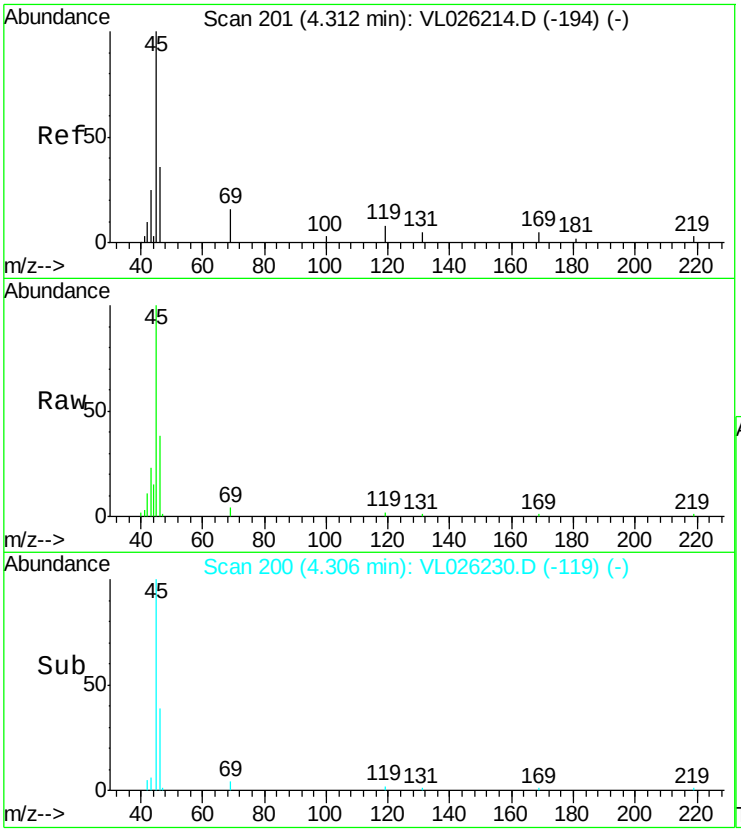


#11
Trichlorofluoromethane
Concen: 0.14 ppbv
RT: 4.67 min Scan# 260
Delta R.T. -0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion:101 Resp: 14688

Ion	Ratio	Lower	Upper
101	100		
103	61.0	52.2	78.2



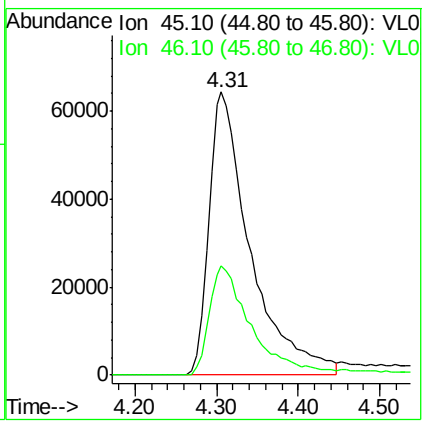


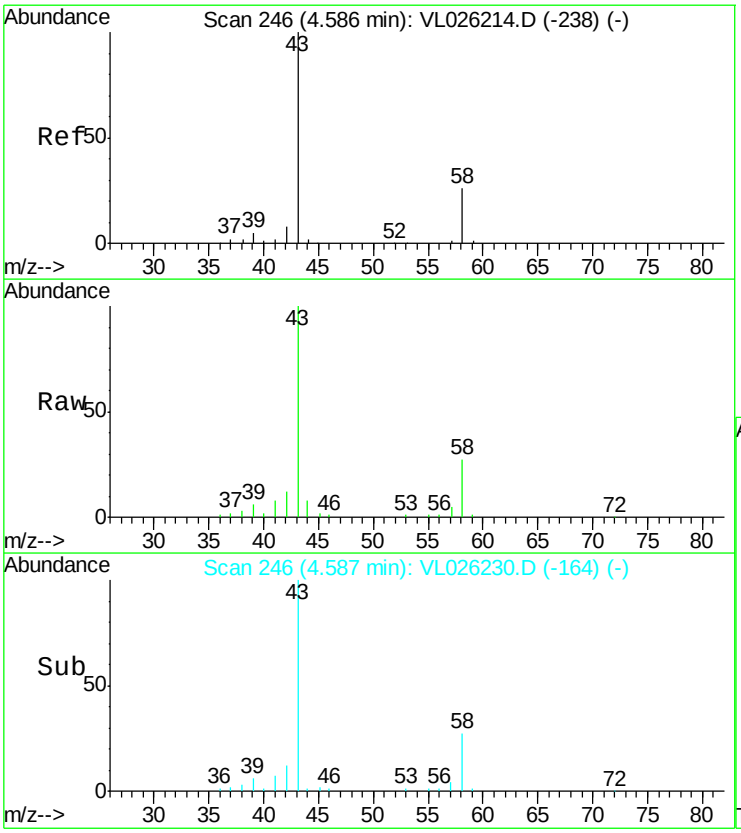
#13
Ethanol
Concen: 49.71 ppbv
RT: 4.31 min Scan# 200
Delta R.T. -0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239

Tgt Ion: 45 Resp: 226701

Ion	Ratio	Lower	Upper
45	100		
46	41.9	15.8	63.0

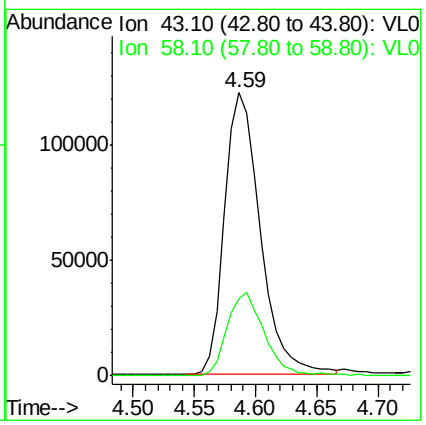


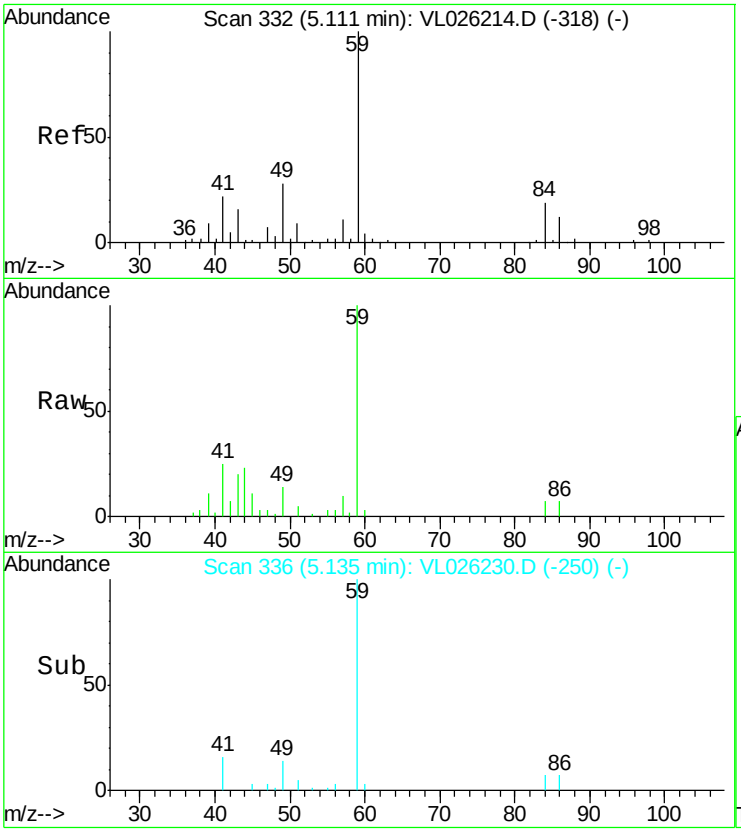


#15
Acetone
Concen: 3.28 ppbv
RT: 4.59 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 43 Resp: 247560

Ion	Ratio	Lower	Upper
43	100		
58	31.1	21.8	32.6



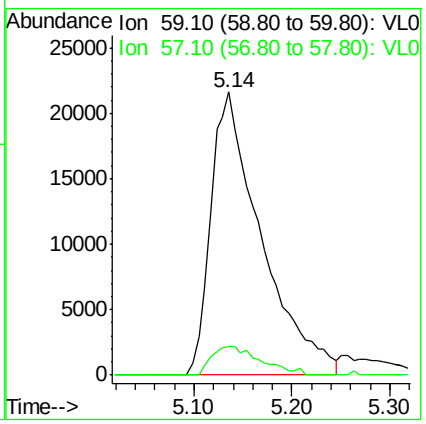


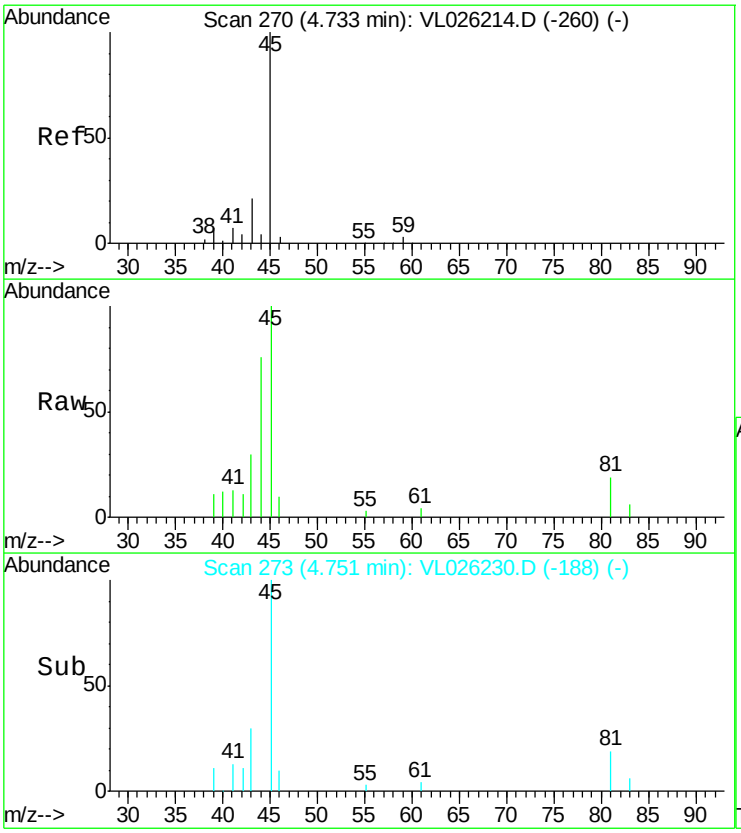
#17
tert-Butyl alcohol
Concen: 1.49 ppbv
RT: 5.14 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument : MSVOA_L
ClientSampleId : RB-SUBSLAB-239

Tgt Ion: 59 Resp: 77122

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

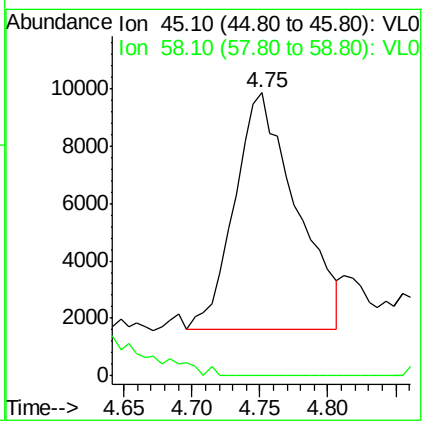


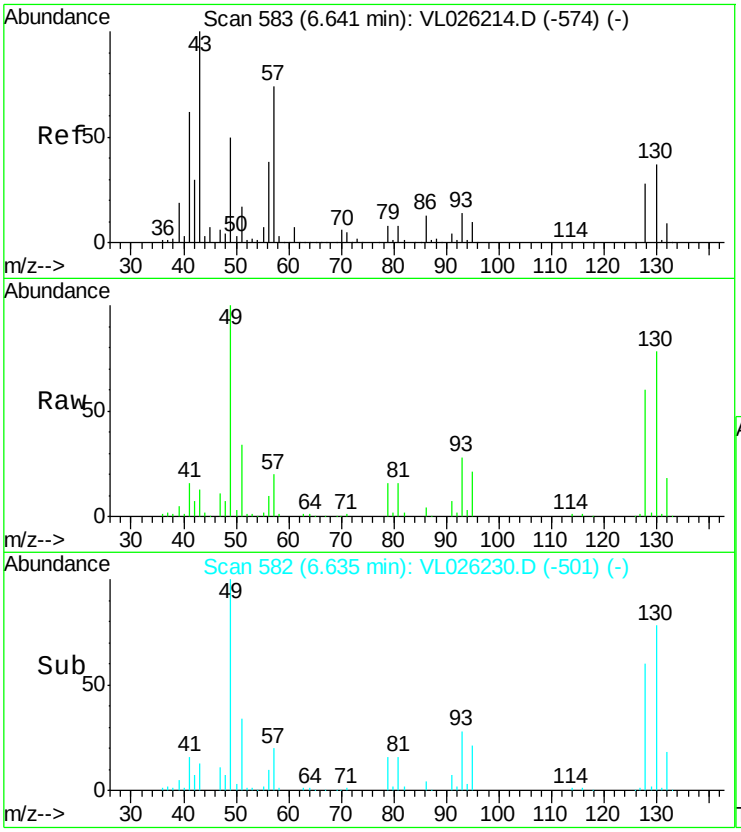


#19
Isopropyl Alcohol
Concen: 0.88 ppbv
RT: 4.75 min Scan# 273
Delta R.T. 0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 45 Resp: 26079

Ion	Ratio	Lower	Upper
45	100		
58	295.6	40.3	60.5#



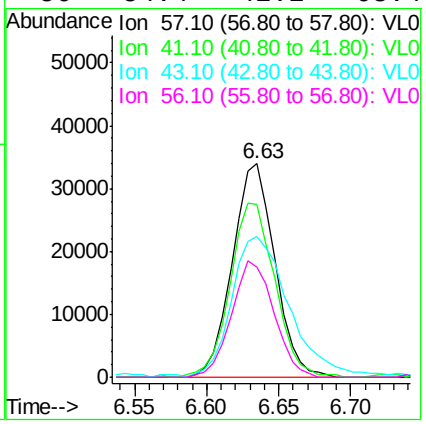


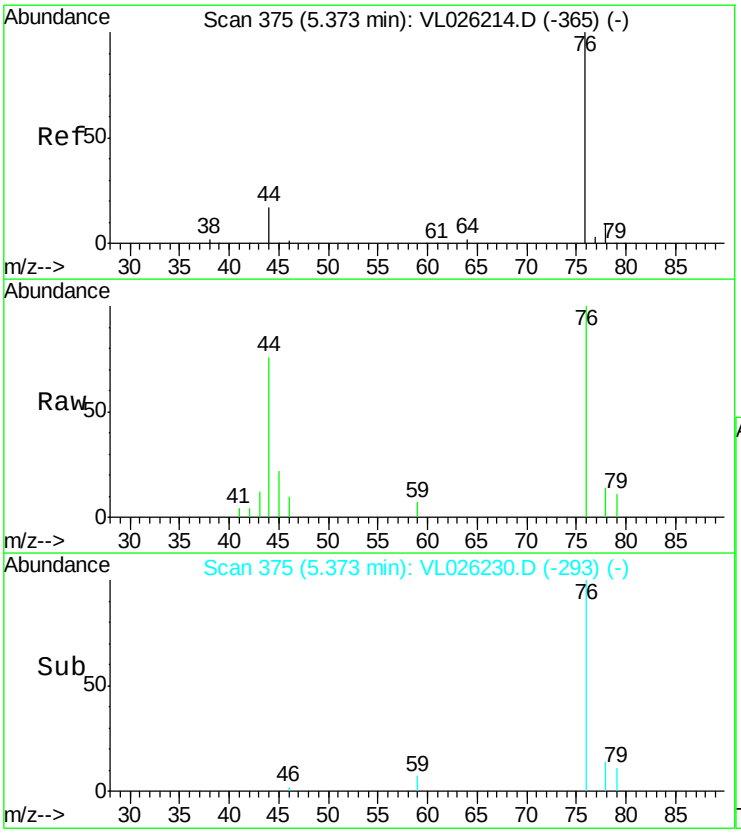
#26
Hexane
Concen: 0.98 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument : MSVOA_L
ClientSampleId : RB-SUBSLAB-239

Tgt Ion: 57 Resp: 69517

Ion	Ratio	Lower	Upper
57	100		
41	86.3	68.1	102.1
43	92.4	163.4	245.2#
56	54.4	42.2	63.4

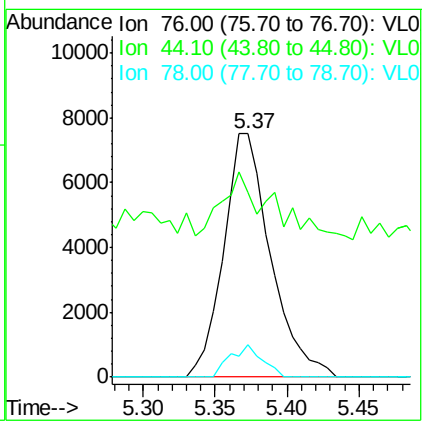


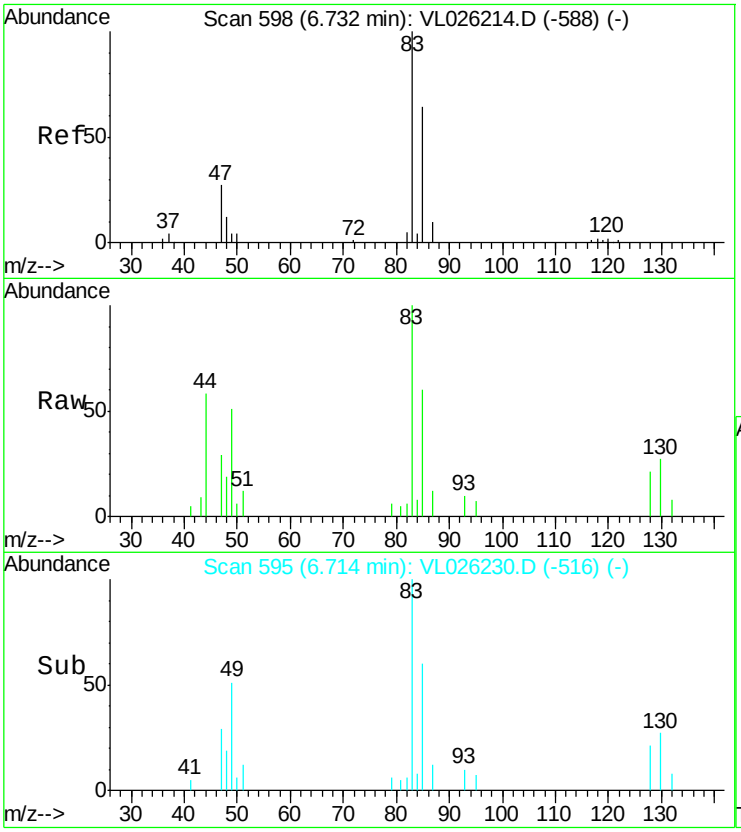


#27
Carbon Disulfide
Concen: 0.19 ppbv
RT: 5.37 min Scan# 375
Delta R.T. 0.00 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 76 Resp: 17099

Ion	Ratio	Lower	Upper
76	100		
44	30.1	14.0	21.0#
78	9.0	7.4	11.2



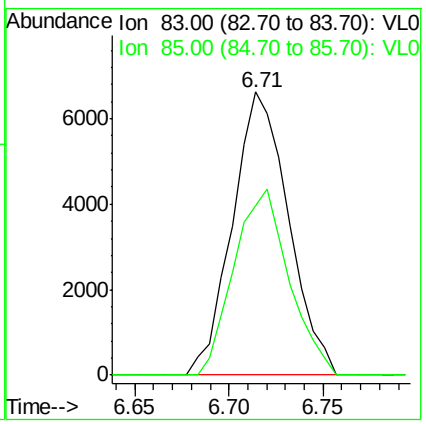


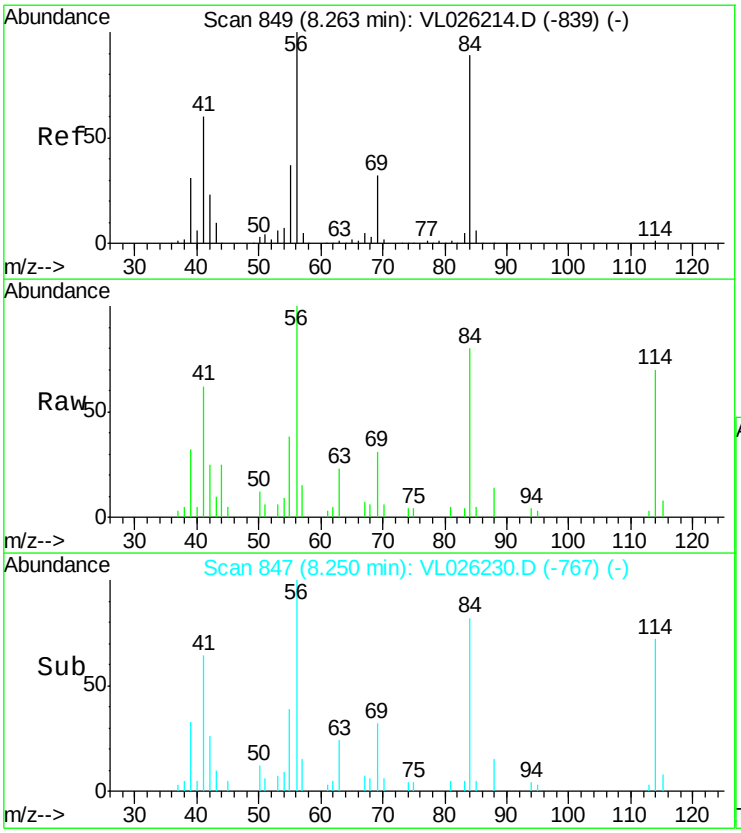
#29
Chloroform
Concen: 0.13 ppbv
RT: 6.71 min Scan# 595
Delta R.T. -0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239

Tgt Ion: 83 Resp: 13673

Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.5	77.3

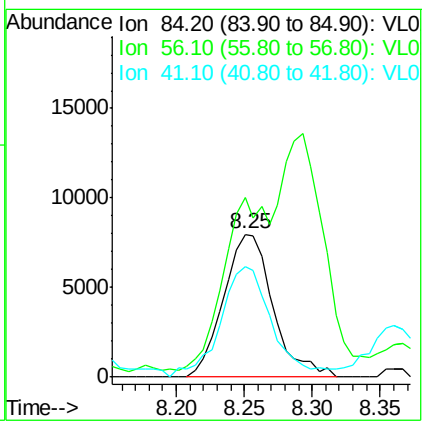


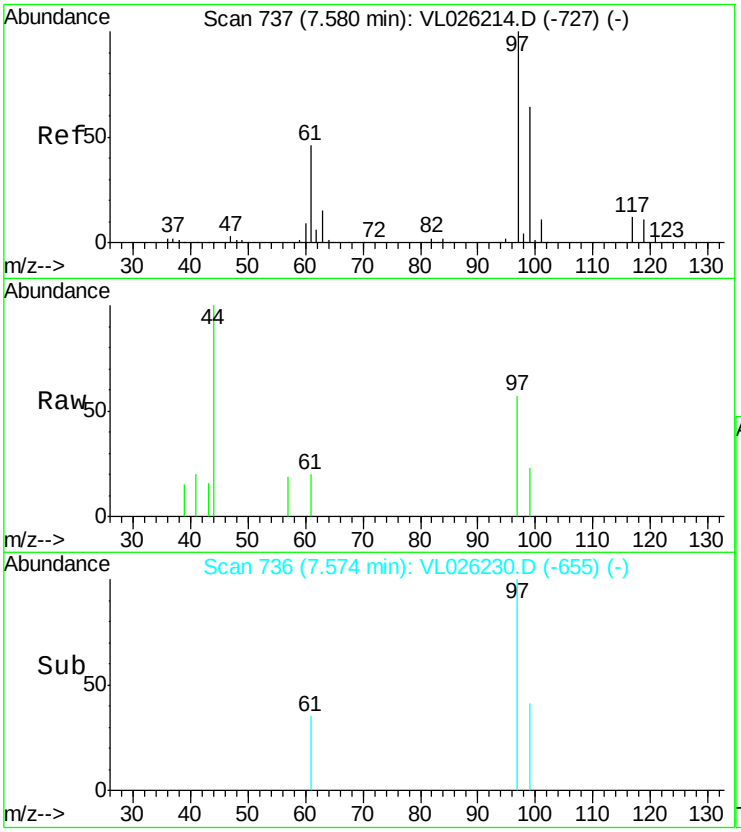


#30
Cyclohexane
Concen: 0.29 ppbv
RT: 8.25 min Scan# 847
Delta R.T. -0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 84 Resp: 20194

Ion	Ratio	Lower	Upper
84	100		
56	296.6	95.9	143.9#
41	79.5	54.8	82.2



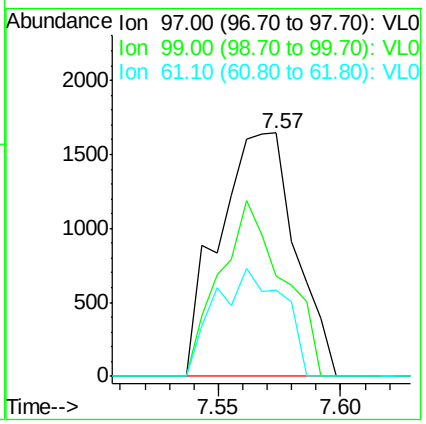


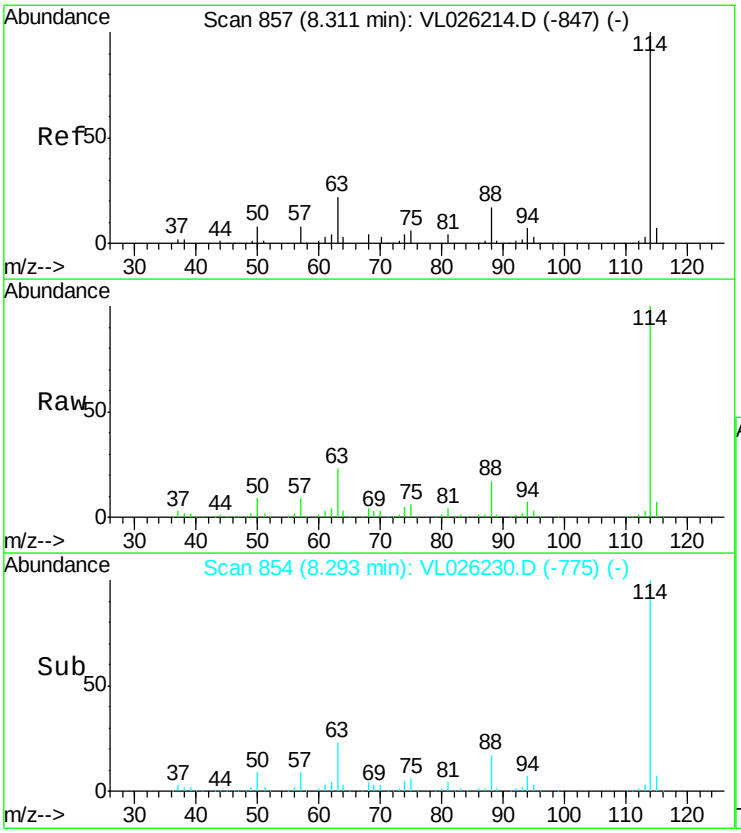
#32
1,1,1-Trichloroethane
Concen: 0.03 ppbv
RT: 7.57 min Scan# 736
Delta R.T. -0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239

Tgt Ion: 97 Resp: 3577

Ion	Ratio	Lower	Upper
97	100		
99	59.7	51.4	77.0
61	38.9	36.2	54.4

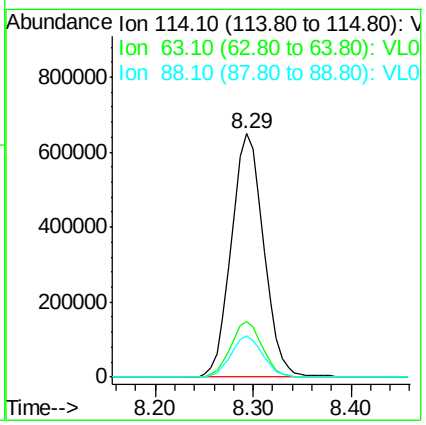


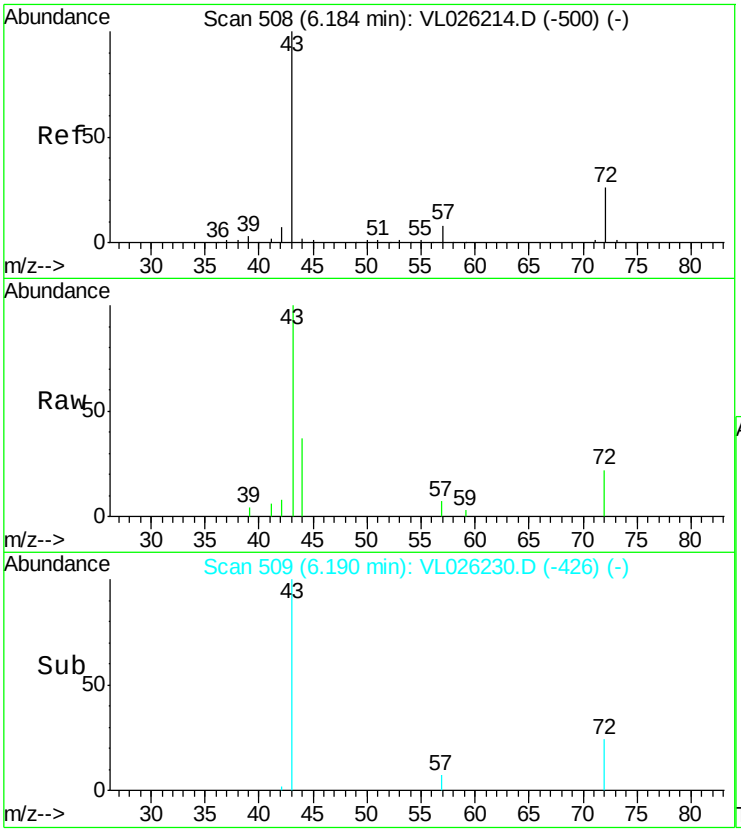


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.29 min Scan# 854
Delta R.T. -0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion:114 Resp: 1492138

Ion	Ratio	Lower	Upper
114	100		
63	22.6	18.2	27.4
88	16.7	13.5	20.3



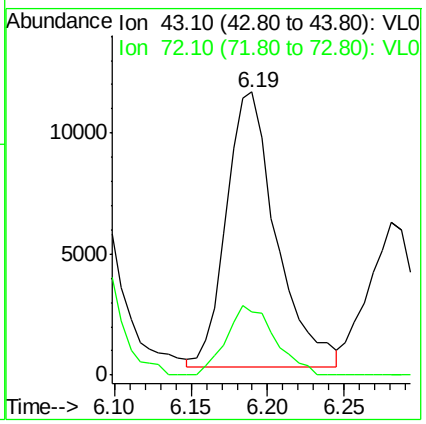


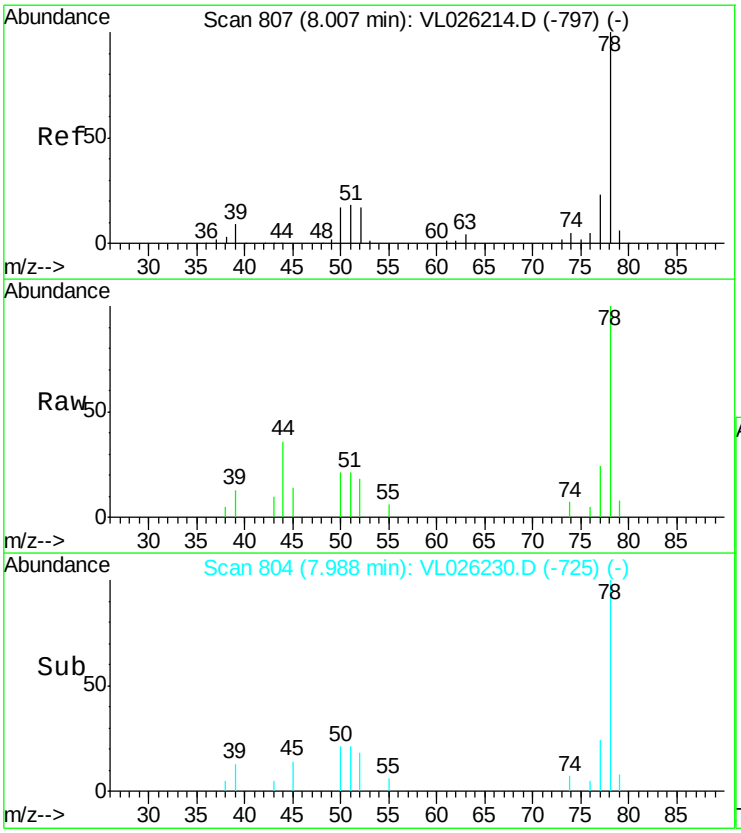
#34
2-Butanone
Concen: 0.31 ppbv
RT: 6.19 min Scan# 509
Delta R.T. 0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239

Tgt Ion: 43 Resp: 25798

Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.1	30.1

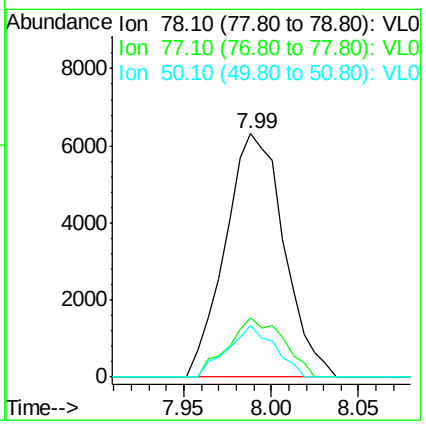


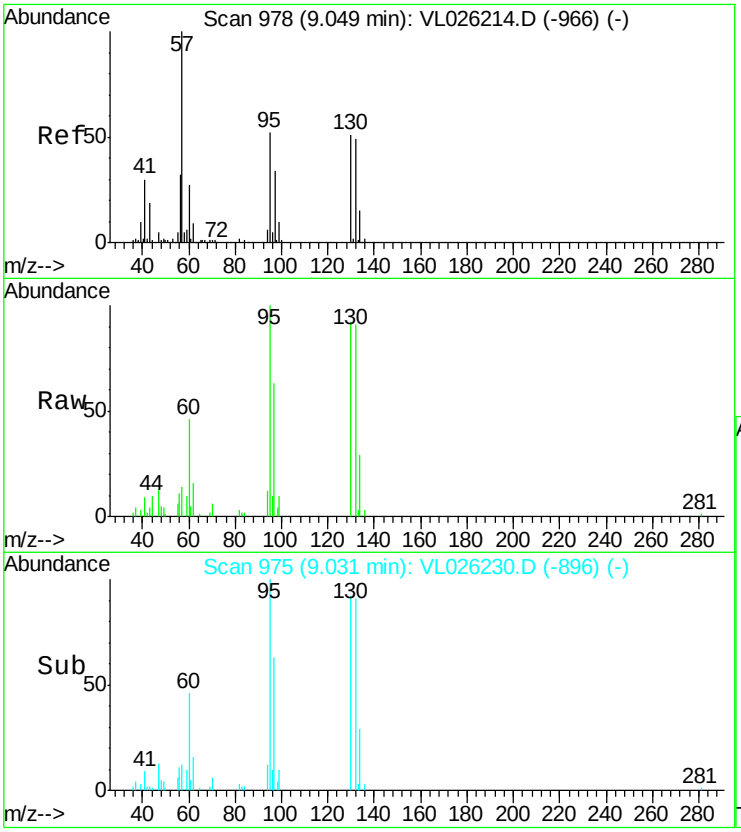


#36
Benzene
Concen: 0.10 ppbv
RT: 7.99 min Scan# 804
Delta R.T. -0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 78 Resp: 14739

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.1	27.1
50	21.4	13.8	20.8#



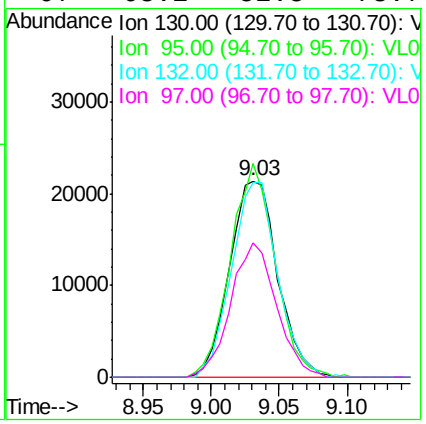


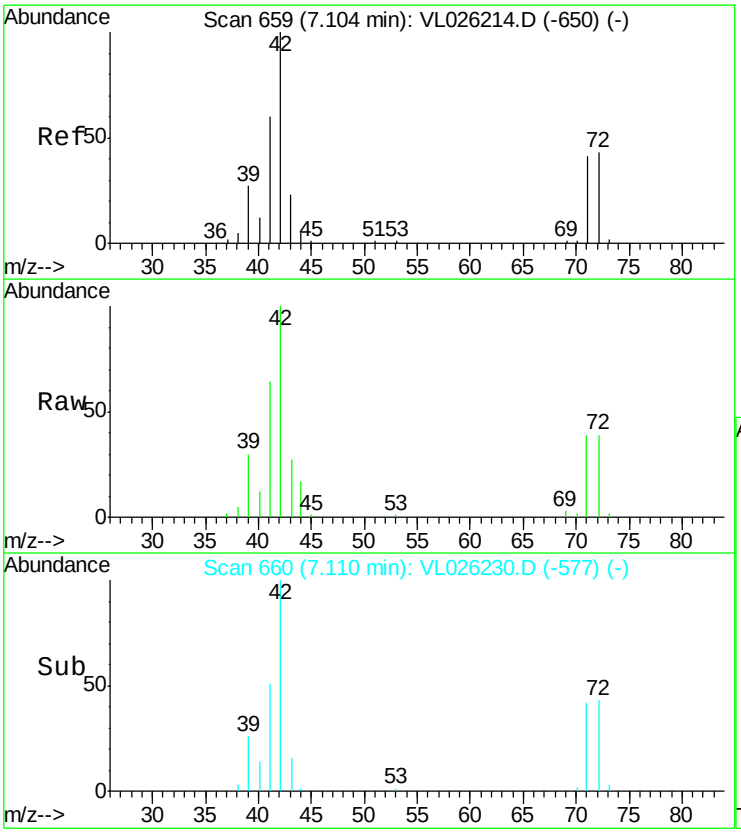
#38
Trichloroethene
Concen: 0.72 ppbv
RT: 9.03 min Scan# 975
Delta R.T. -0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239

Tgt Ion:130 Resp: 52959

Ion	Ratio	Lower	Upper
130	100		
95	108.7	81.0	121.4
132	99.1	76.5	114.7
97	68.2	52.5	78.7

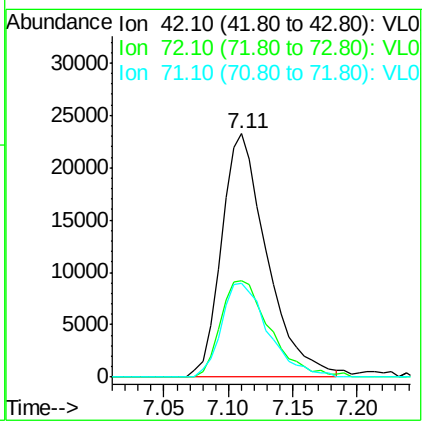


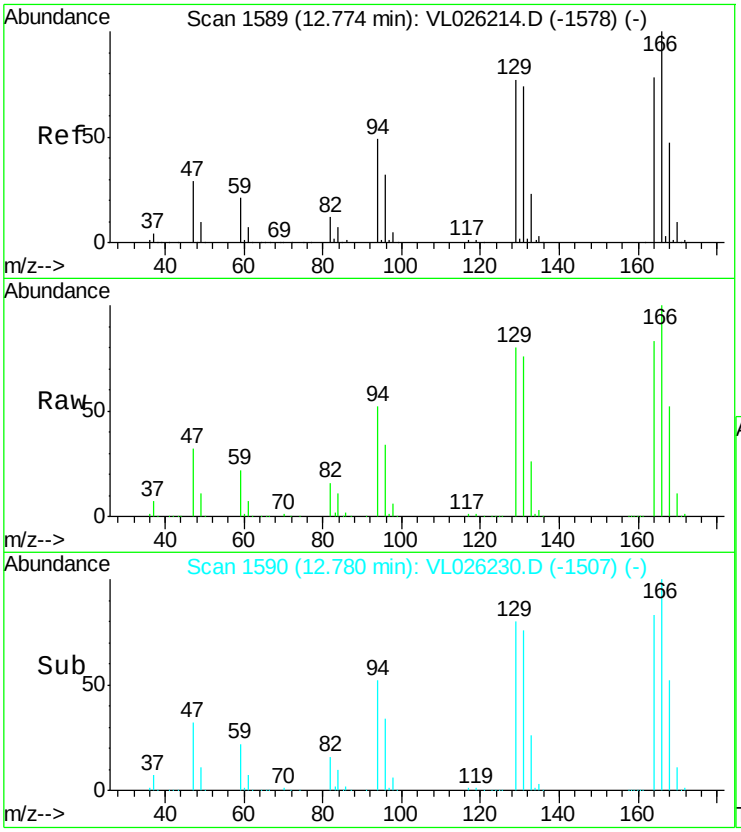


#41
Tetrahydrofuran
Concen: 1.17 ppbv
RT: 7.11 min Scan# 660
Delta R.T. 0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 42 Resp: 57230

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.3	51.5
71	39.6	32.1	48.1



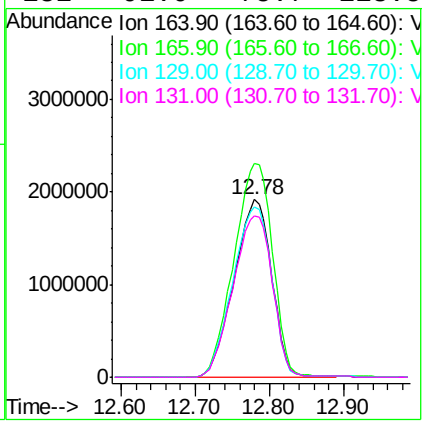


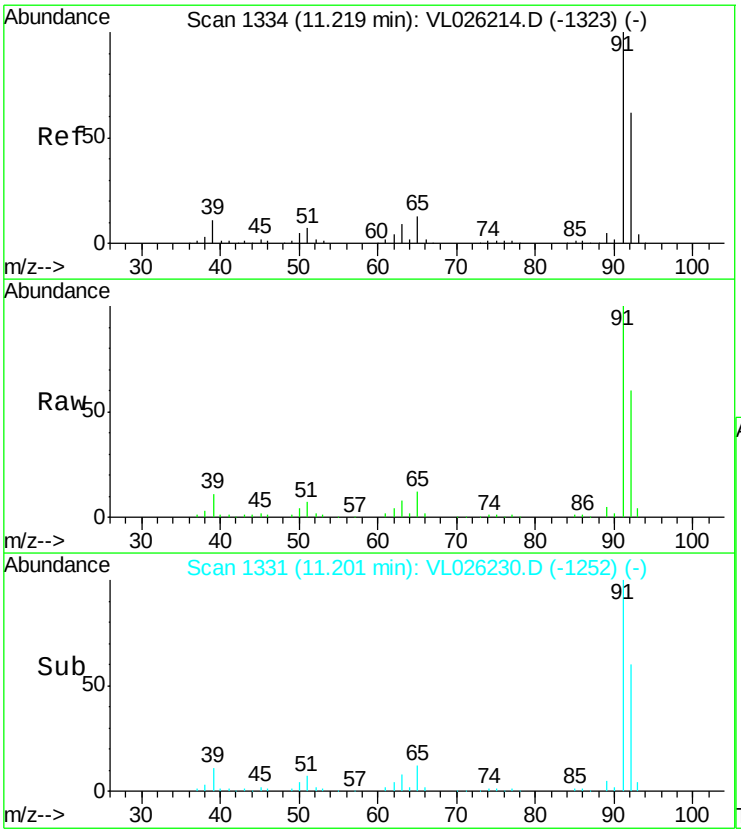
#52
Tetrachloroethene
Concen: 78.10 ppbv
RT: 12.78 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239

Tgt Ion:164 Resp: 6807068

Ion	Ratio	Lower	Upper
164	100		
166	120.4	102.3	153.5
129	96.3	78.2	117.4
131	91.0	75.7	113.5

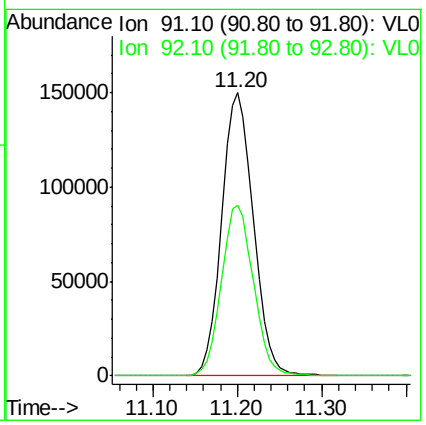


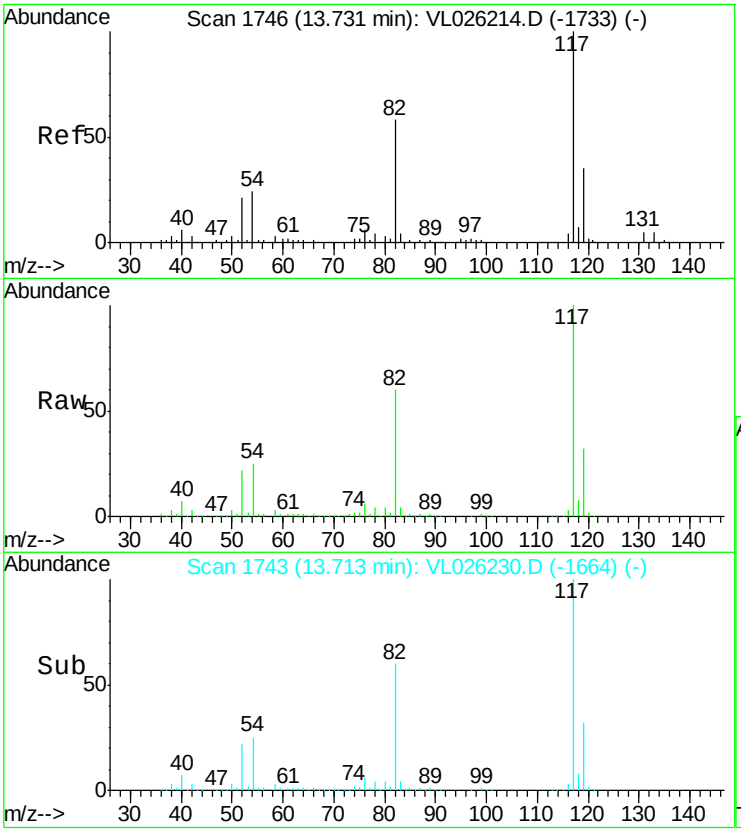


#53
Toluene
Concen: 1.87 ppbv
RT: 11.20 min Scan# 1331
Delta R.T. -0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 91 Resp: 385582

Ion	Ratio	Lower	Upper
91	100		
92	60.9	49.2	73.8



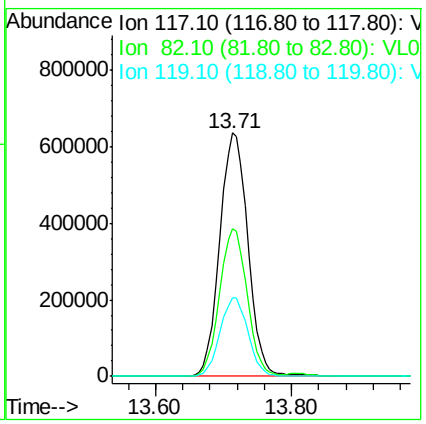


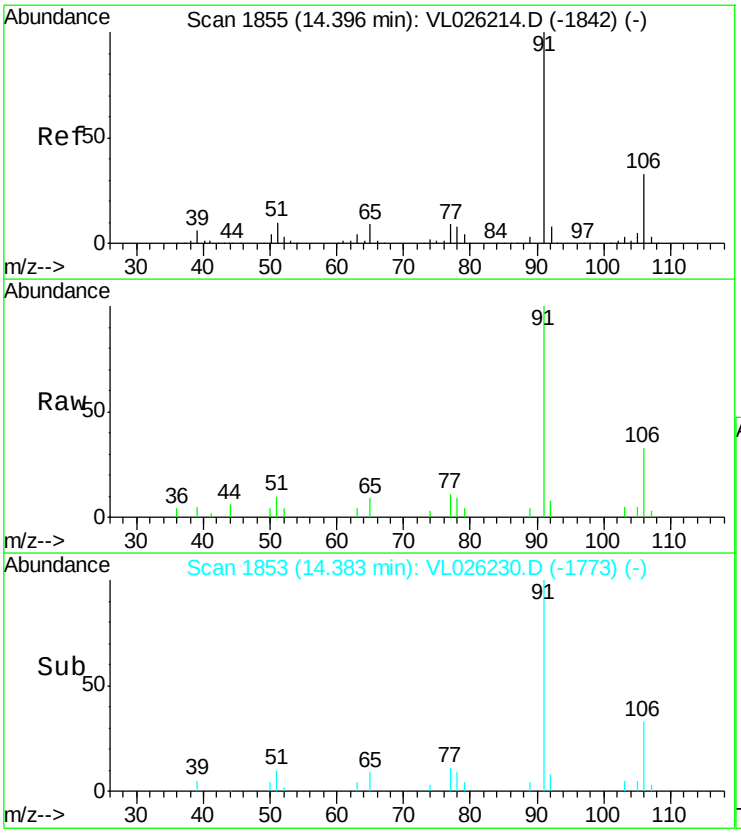
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument : MSVOA_L
ClientSampleId : RB-SUBSLAB-239

Tgt Ion:117 Resp: 1829026

Ion	Ratio	Lower	Upper
117	100		
82	60.8	45.8	68.8
119	32.3	45.0	67.4#

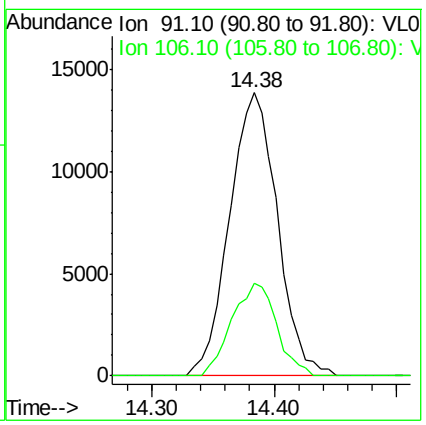


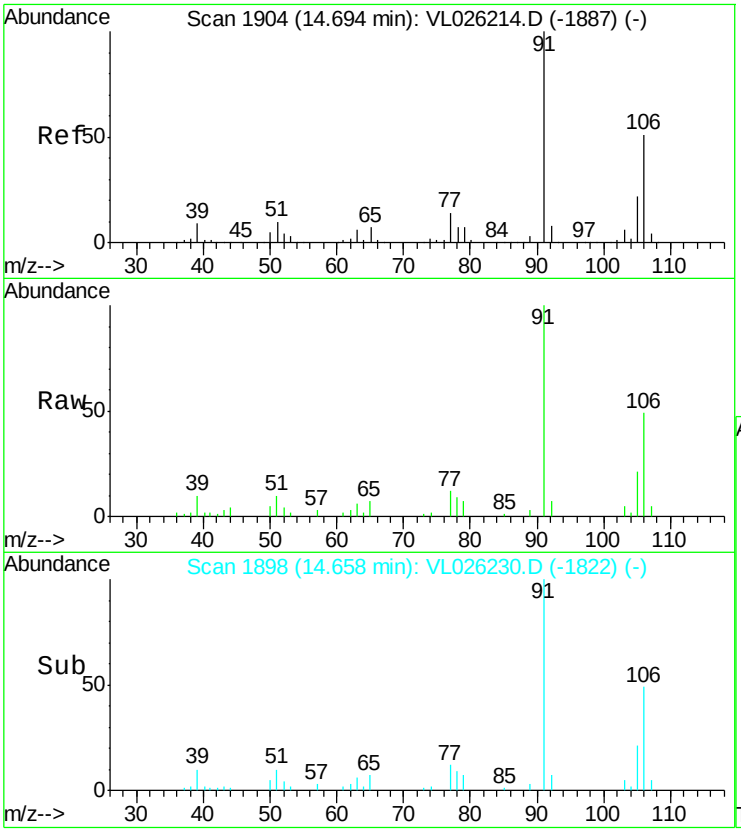


#58
Ethyl Benzene
Concen: 0.13 ppbv
RT: 14.38 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 91 Resp: 37599

Ion	Ratio	Lower	Upper
91	100		
106	32.9	26.1	39.1



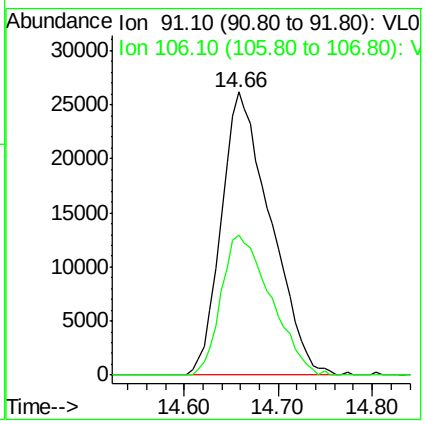


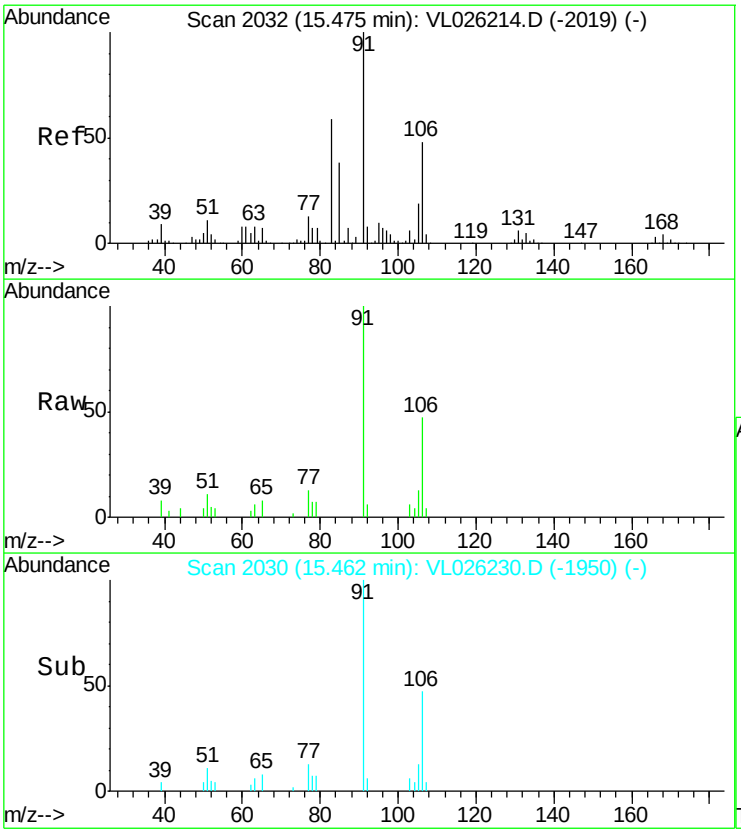
#59
m/p-Xylene
Concen: 0.41 ppbv
RT: 14.66 min Scan# 1898
Delta R.T. -0.04 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument : MSVOA_L
ClientSampleId : RB-SUBSLAB-239

Tgt Ion: 91 Resp: 95165

Ion	Ratio	Lower	Upper
91	100		
106	50.0	40.6	61.0

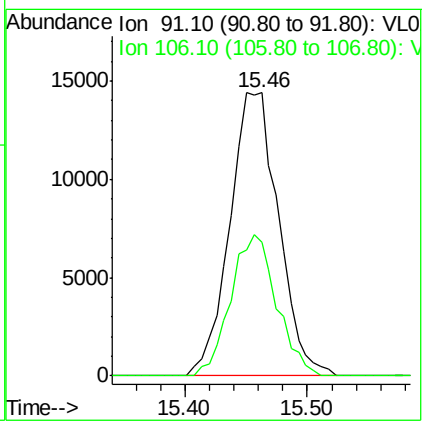


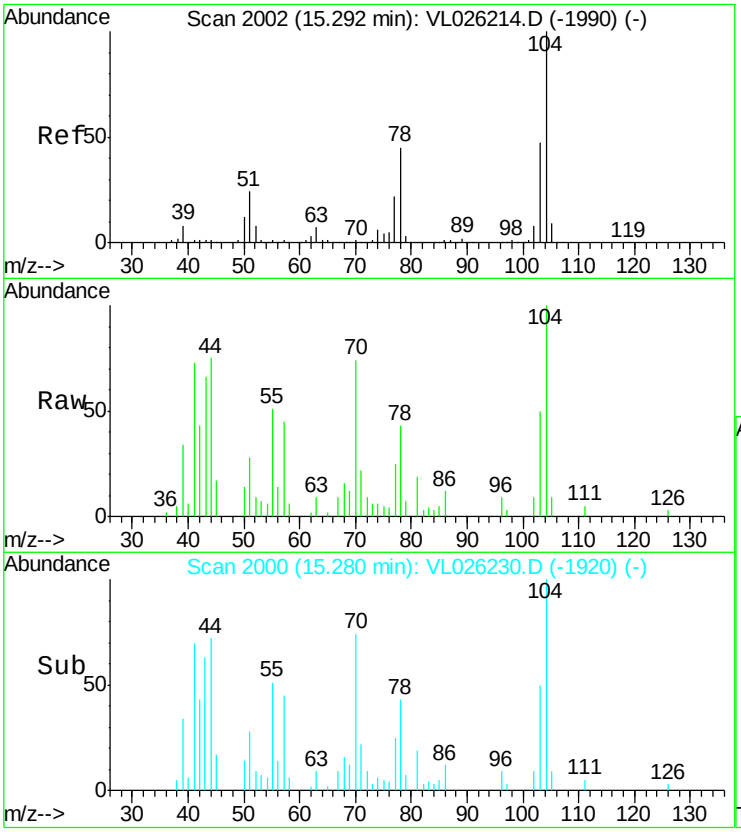


#60
o-Xylene
Concen: 0.16 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 91 Resp: 39935

Ion	Ratio	Lower	Upper
91	100		
106	47.0	23.8	71.5



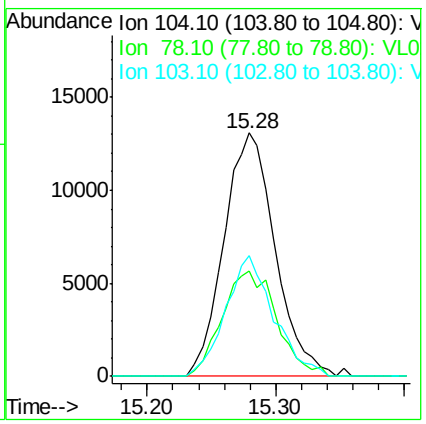


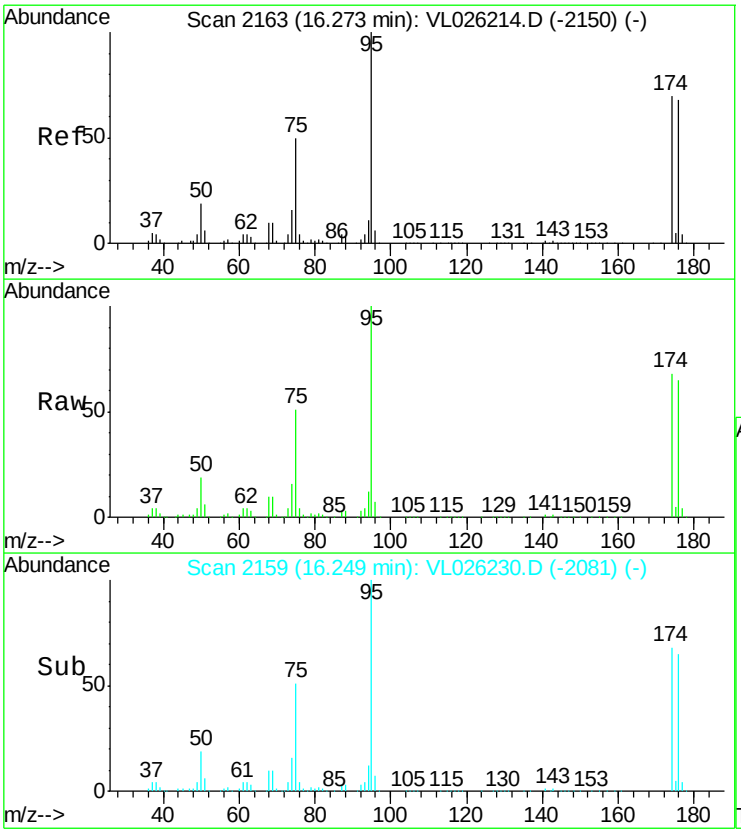
#61
Stvrene
Concen: 0.33 ppbv
RT: 15.28 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument : MSVOA_L
ClientSampleId : RB-SUBSLAB-239

Tgt Ion:104 Resp: 36048

Ion	Ratio	Lower	Upper
104	100		
78	46.0	35.3	52.9
103	46.8	37.0	55.4

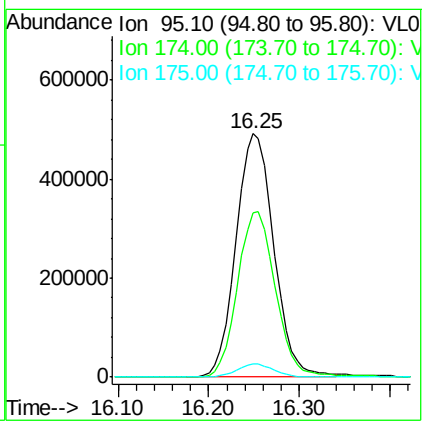


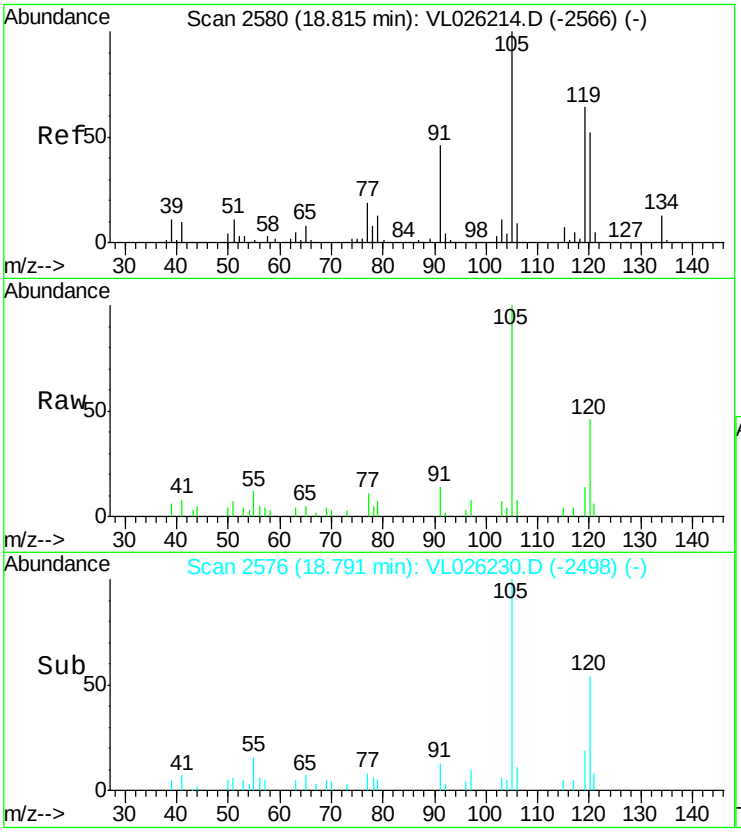


#68
1-Bromo-4-Fluorobenzene
Concen: 10.13 ppbv
RT: 16.25 min Scan# 2159
Delta R.T. -0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Tgt Ion: 95 Resp: 1429114

Ion	Ratio	Lower	Upper
95	100		
174	68.8	55.8	83.8
175	5.2	4.3	6.5





#74
1,2,4-Trimethylbenzene
Concen: 0.12 ppbv
RT: 18.79 min Scan# 2576
Delta R.T. -0.02 min
Lab File: VL026230.D
Acq: 21 Oct 2015 6:53

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239

Tgt Ion:105 Resp: 32647

Ion	Ratio	Lower	Upper
105	100		
120	46.1	41.2	61.8
91	13.9	37.2	55.8#
77	11.0	15.6	23.4#