Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026238.D
Acq On : 21 Oct 2015 15:13
Operator : SY/MD
Sample : G3973-01DL2 1000X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Quant Time: Oct 22 11:40:22 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	447608	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	8.30	114	1344774	10.00	ppbv		-0.01
55) Chlorobenzene-d5	13.71	117	1610687	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.25	95	1335012	10.75	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.50%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.56	51	30180	0.53	ppbv		97
10) Heptane	9.33	43	221806	2.50	ppbv		94
26) Hexane	6.63	57	152618	2.47	ppbv	#	47
30) Cyclohexane	8.26	84	149107	2.41	ppbv		91
36) Benzene	7.99	78	82673	0.60	ppbv		99
44) 2,2,4-Trimethylpentane	9.06	57	2888512	13.03	ppbv	#	87
53) Toluene	11.21	91	2537437	13.62	ppbv		99
58) Ethyl Benzene	14.38	91	512035	1.96	ppbv		99
59) m/p-Xylene	14.66	91	1454500	7.12	ppbv		99
60) o-Xylene	15.46	91	441573	2.07	ppbv		100
62) Isopropylbenzene	16.50	105	36944	0.12	ppbv		99
64) n-propylbenzene	17.49	120	13030	0.16	ppbv		87
72) 4-Ethyltoluene	17.79	105	36253	0.15	ppbv		98
73) 1,3,5-Trimethylbenzene	17.95	105	36343	0.16	ppbv		92
74) 1,2,4-Trimethylbenzene	18.80	105	49937	0.21	ppbv	#	77

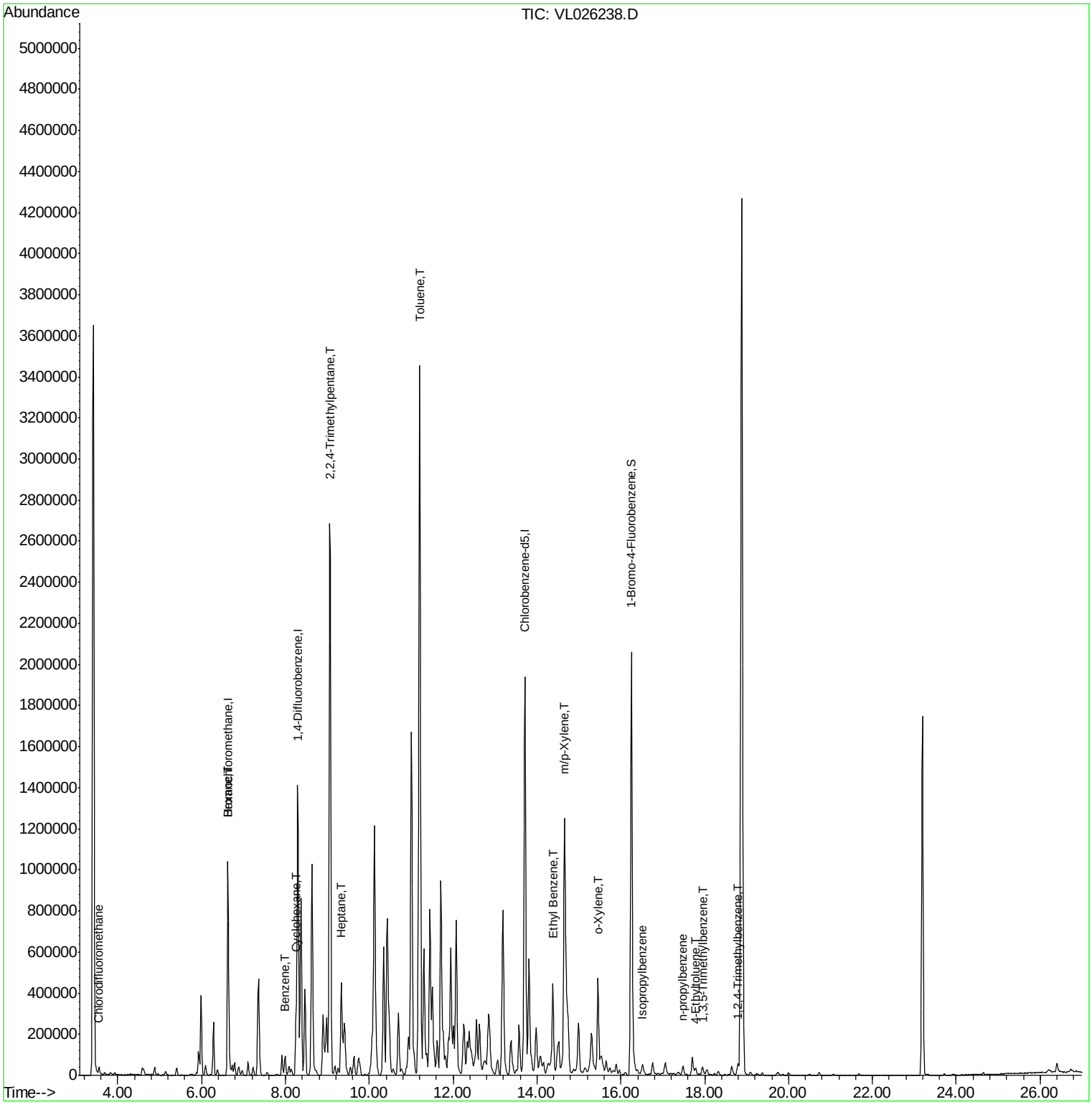
(#) = qualifier out of range (m) = manual integration (+) = signals summed

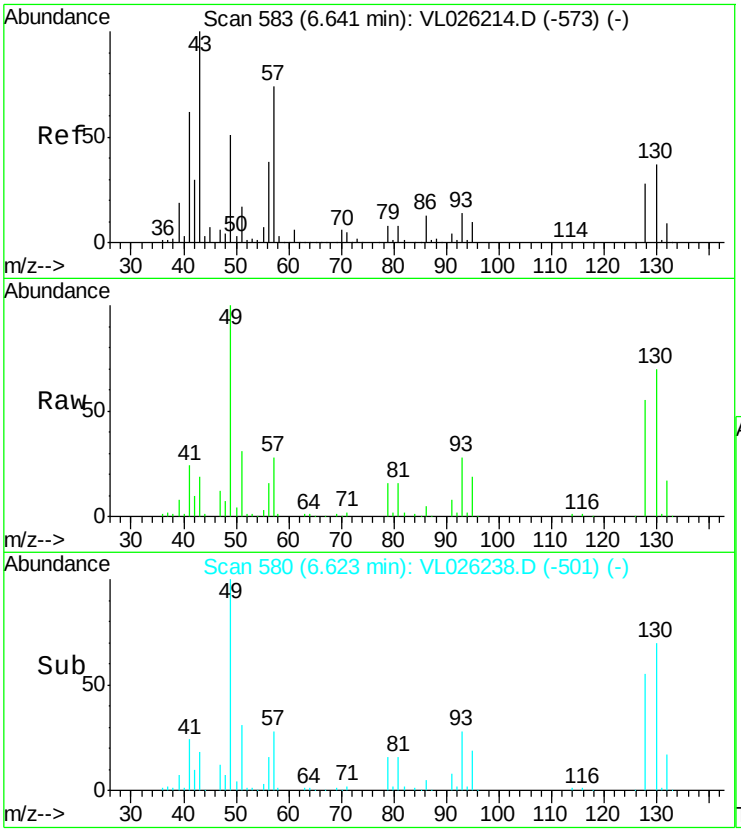
Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026238.D
Acq On : 21 Oct 2015 15:13
Operator : SY/MD
Sample : G3973-01DL2 1000X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Quant Time: Oct 22 11:40:22 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



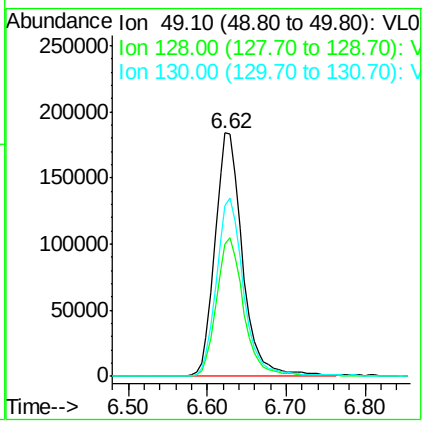


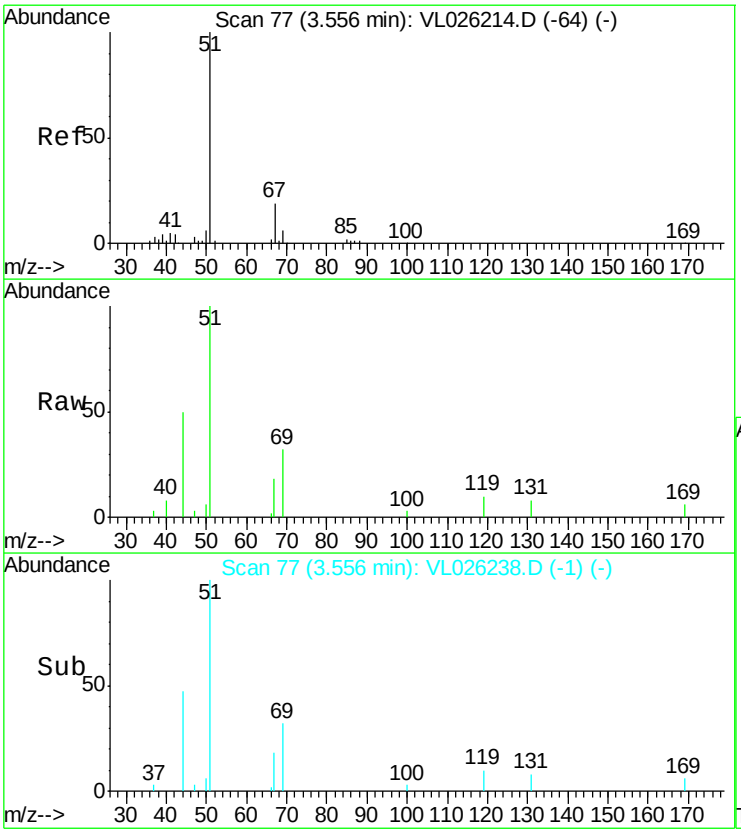
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.62 min Scan# 580
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 49 Resp: 447608

Ion	Ratio	Lower	Upper
49	100		
128	57.0	28.2	84.7
130	73.4	36.0	108.1

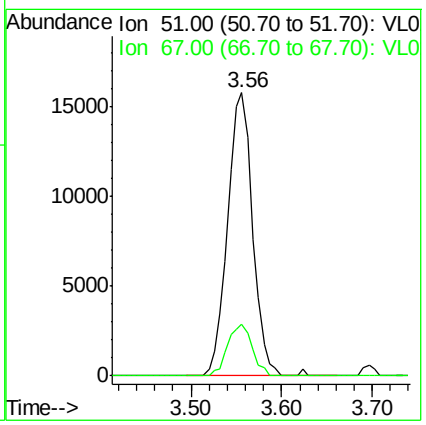


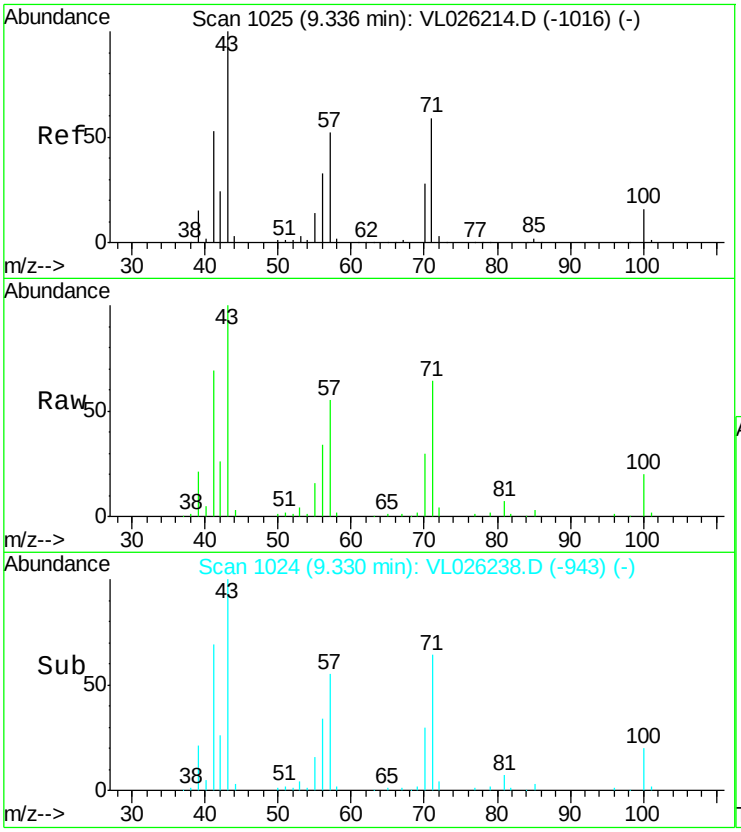


#3
Chlorodifluoromethane
Concen: 0.53 ppbv
RT: 3.56 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion: 51 Resp: 30180

Ion	Ratio	Lower	Upper
51	100		
67	17.9	15.3	22.9



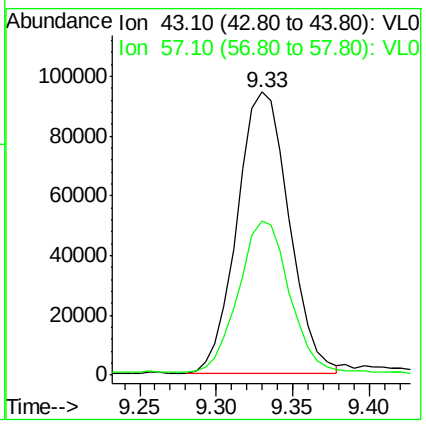


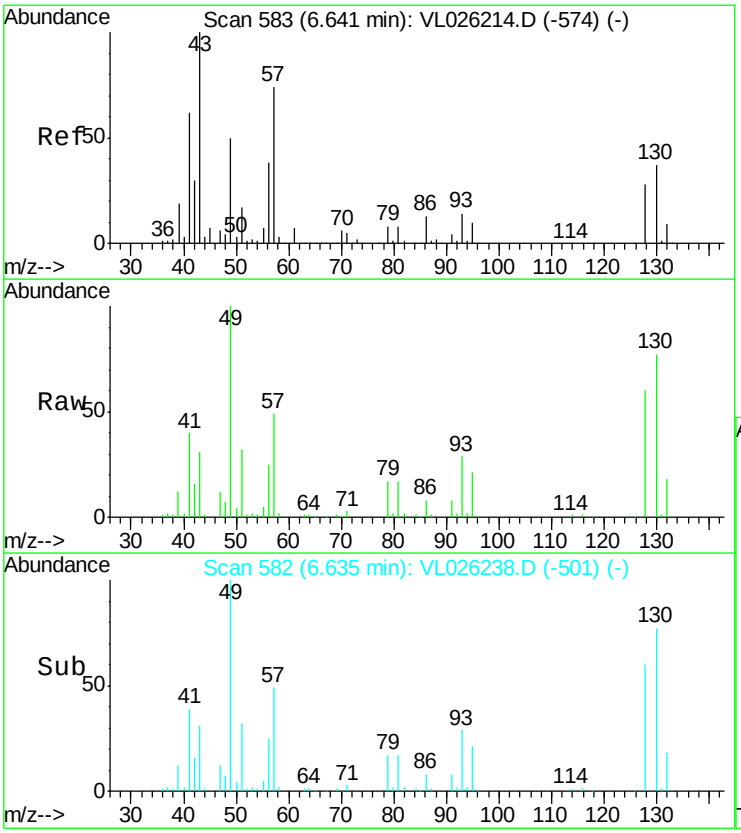
#10
Heptane
Concen: 2.50 ppbv
RT: 9.33 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 43 Resp: 221806

Ion	Ratio	Lower	Upper
43	100		
57	58.9	43.7	65.5

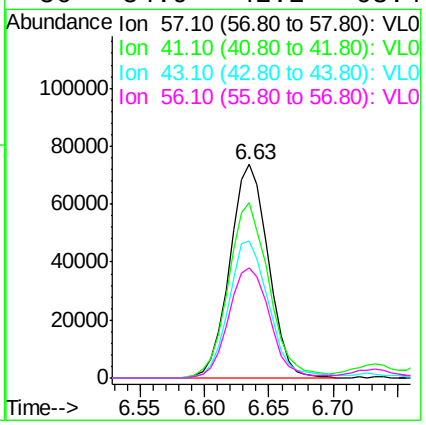


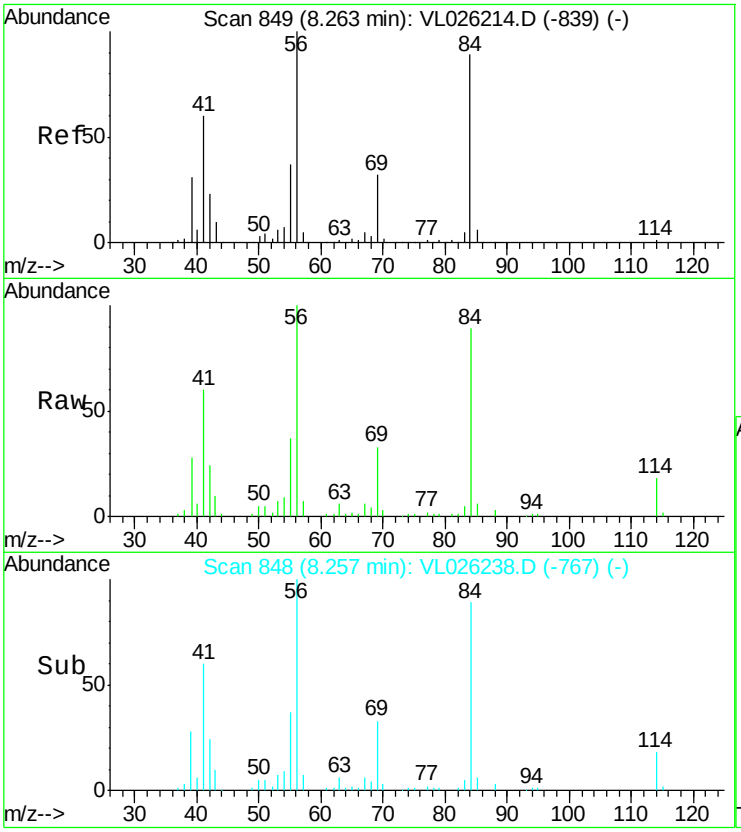


#26
Hexane
Concen: 2.47 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion: 57 Resp: 152618

Ion	Ratio	Lower	Upper
57	100		
41	86.7	68.1	102.1
43	71.3	163.4	245.2#
56	54.9	42.2	63.4



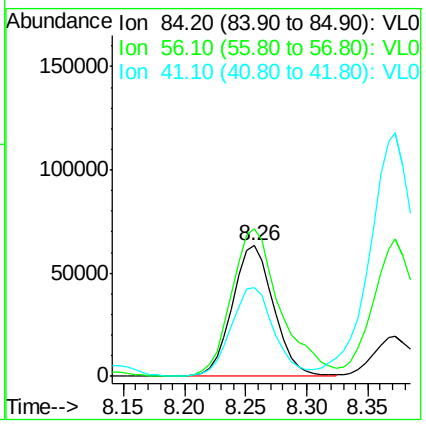


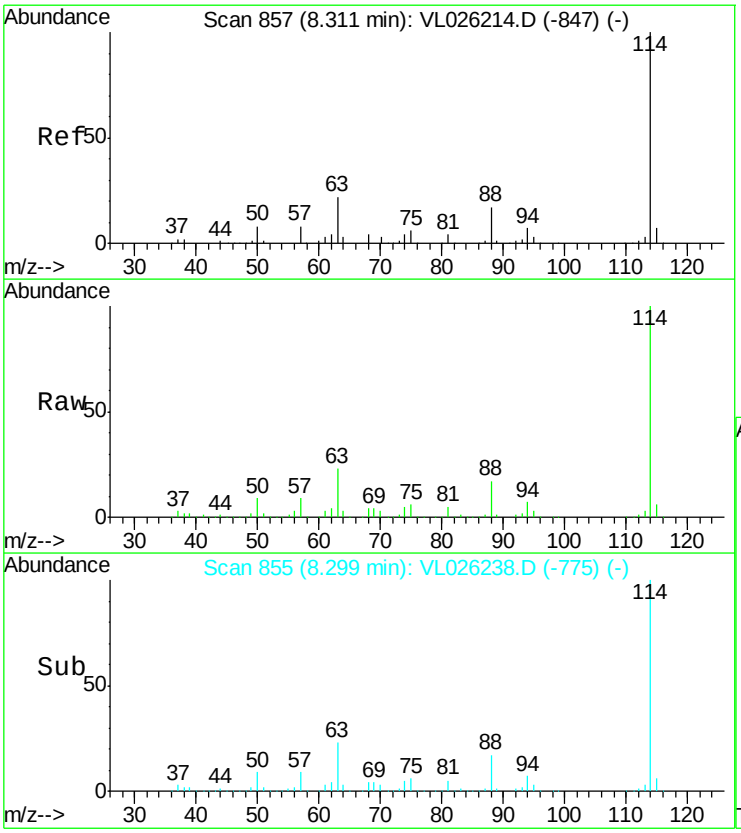
#30
Cyclohexane
Concen: 2.41 ppbv
RT: 8.26 min Scan# 848
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 84 Resp: 149107

Ion	Ratio	Lower	Upper
84	100		
56	133.4	95.9	143.9
41	71.1	54.8	82.2

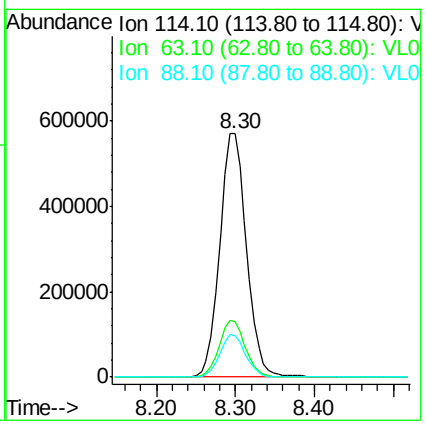


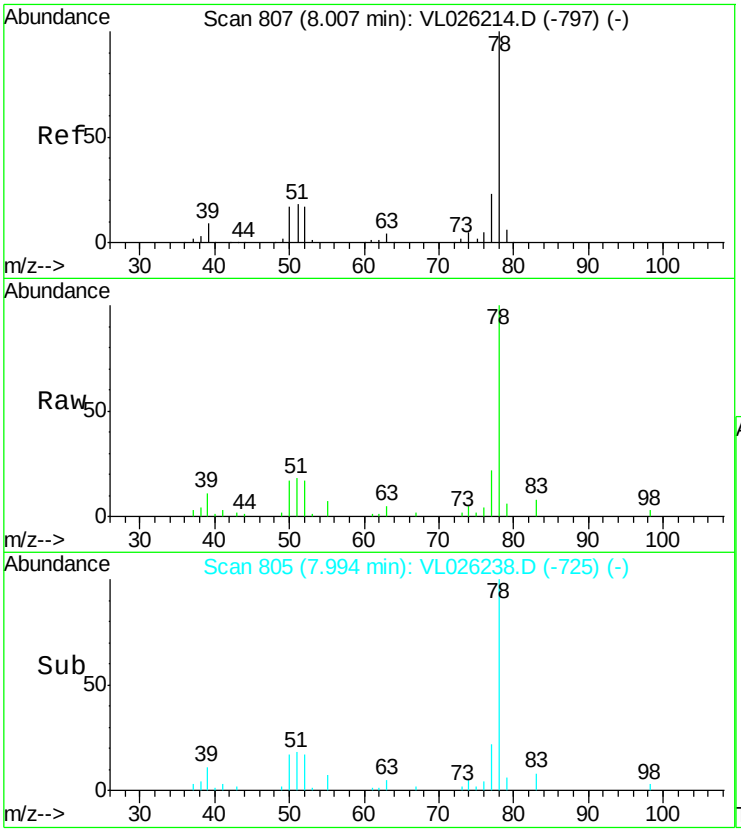


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.30 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion:114 Resp: 1344774

Ion	Ratio	Lower	Upper
114	100		
63	23.0	18.2	27.4
88	16.9	13.5	20.3



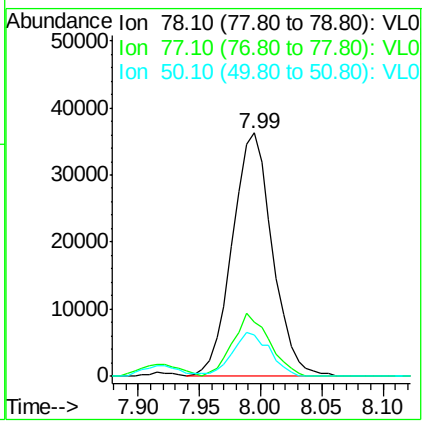


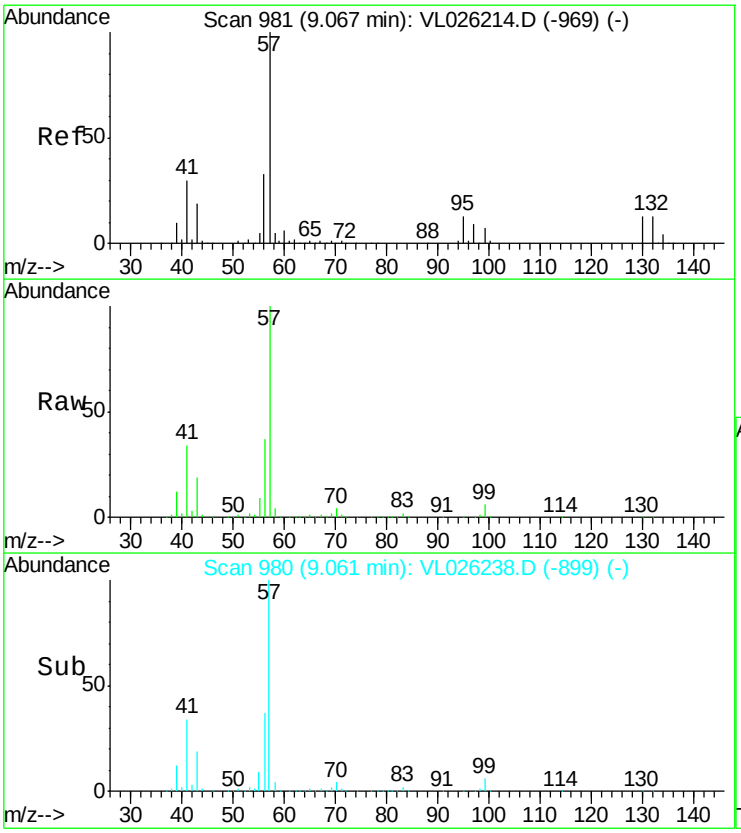
#36
Benzene
Concen: 0.60 ppbv
RT: 7.99 min Scan# 805
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 78 Resp: 82673

Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.1	27.1
50	17.2	13.8	20.8

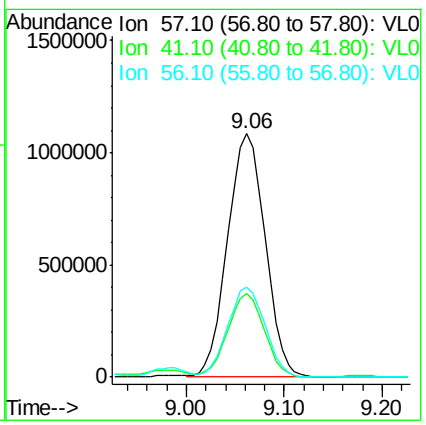


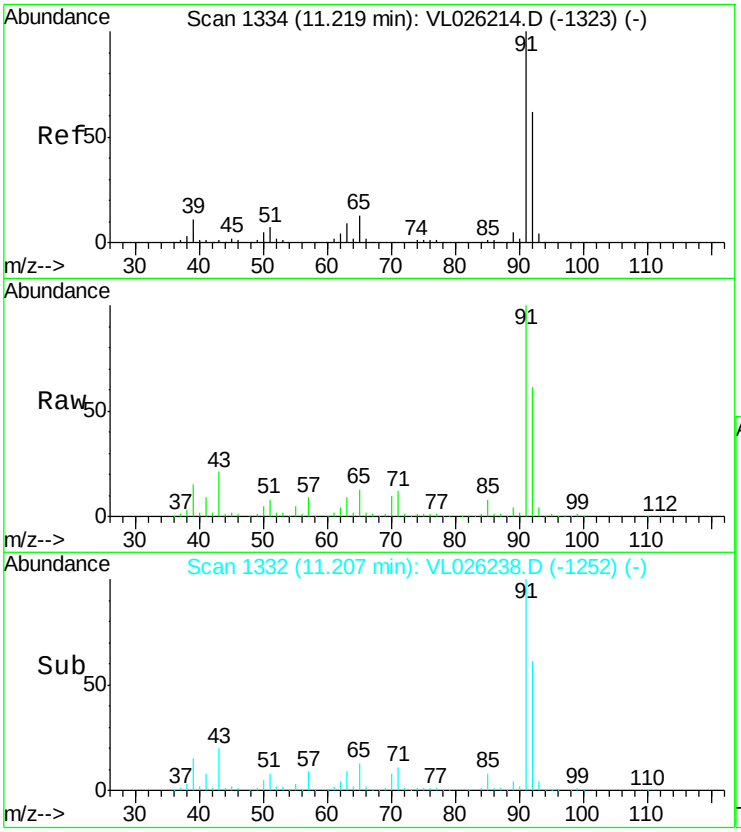


#44
2,2,4-Trimethylpentane
Concen: 13.03 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion: 57 Resp: 2888512

Ion	Ratio	Lower	Upper
57	100		
41	36.3	23.7	35.5#
56	40.3	25.9	38.9#



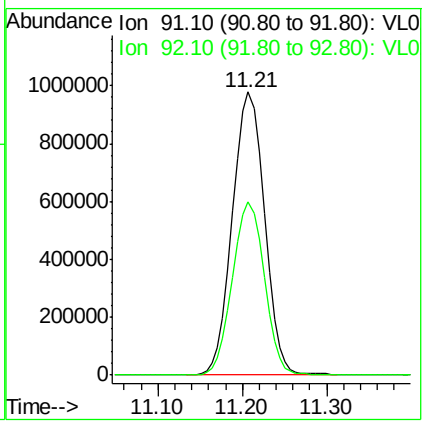


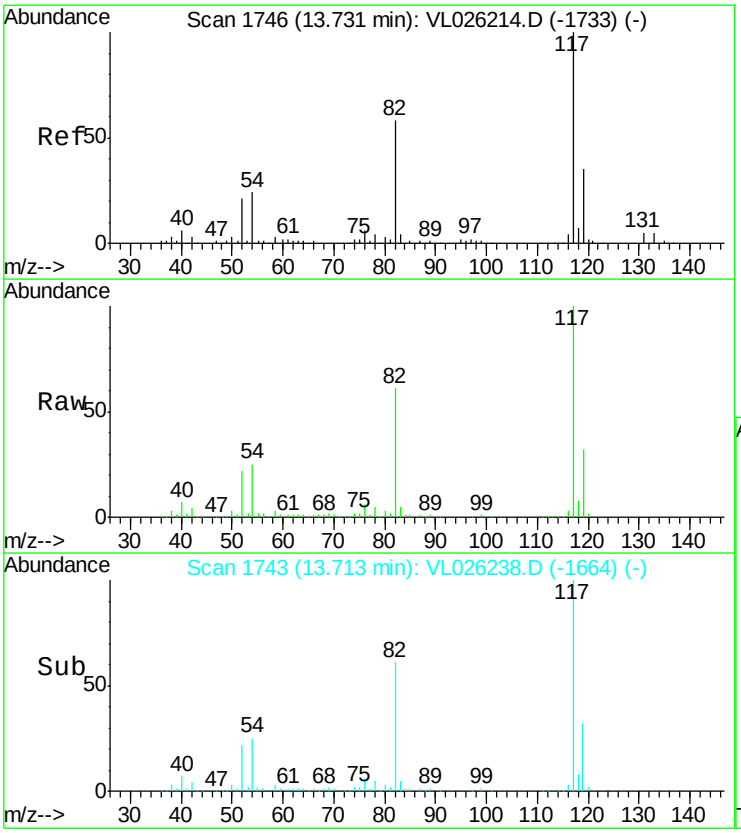
#53
Toluene
Concen: 13.62 ppbv
RT: 11.21 min Scan# 1332
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 91 Resp: 2537437

Ion	Ratio	Lower	Upper
91	100		
92	61.1	49.2	73.8

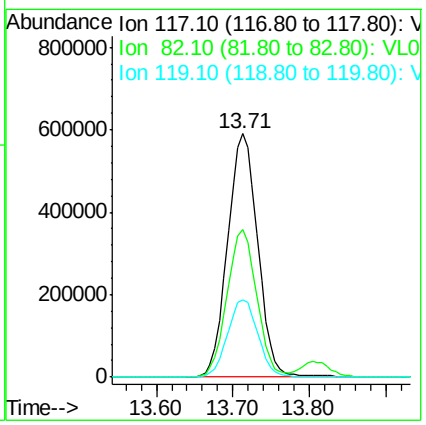


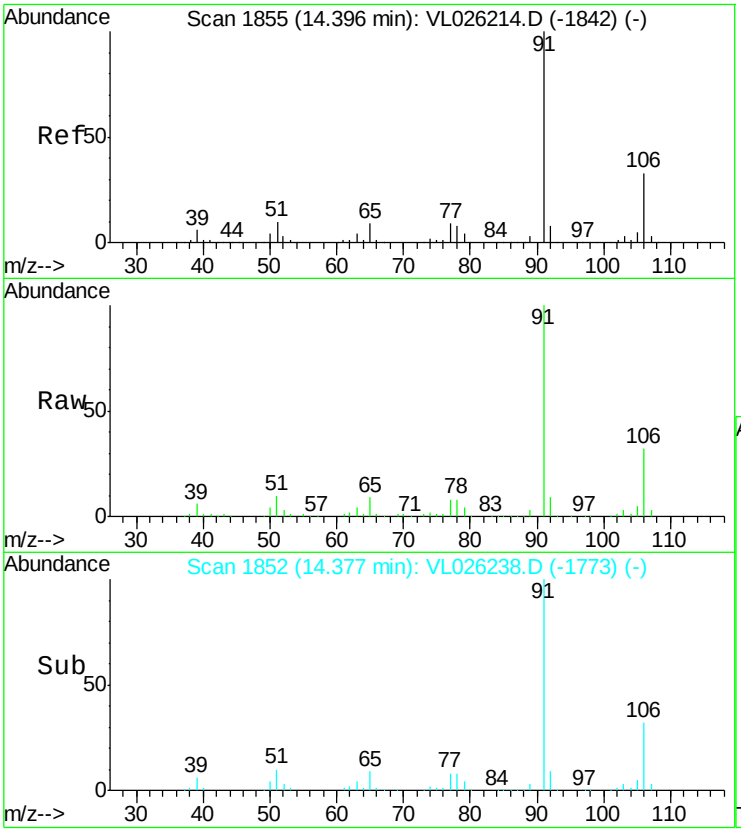


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion:117 Resp: 1610687

Ion	Ratio	Lower	Upper
117	100		
82	60.2	45.8	68.8
119	32.4	45.0	67.4#



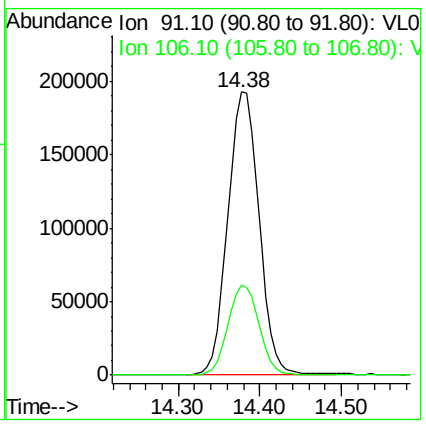


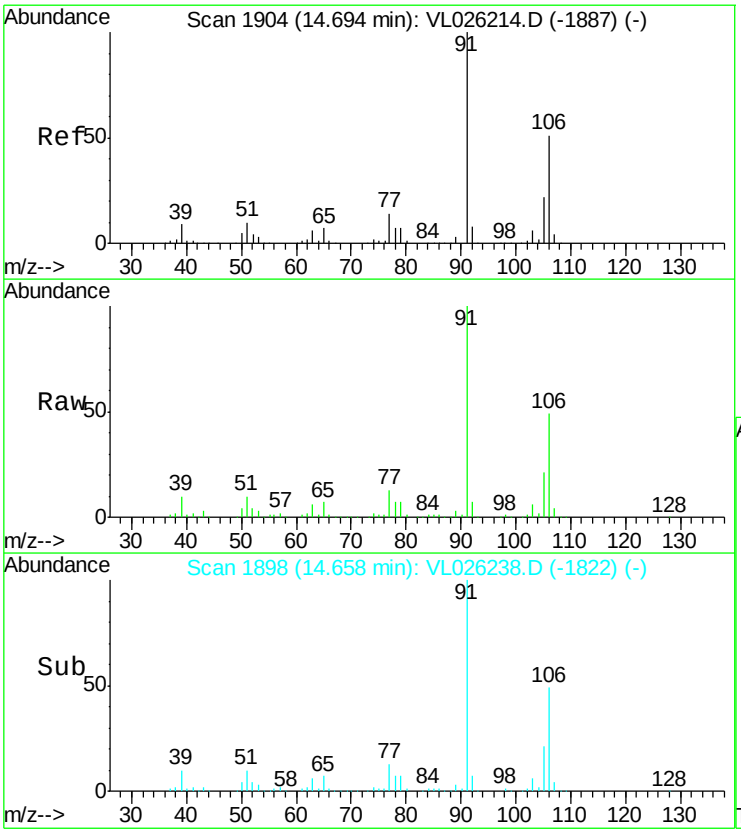
#58
Ethyl Benzene
Concen: 1.96 ppbv
RT: 14.38 min Scan# 1852
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 91 Resp: 512035

Ion	Ratio	Lower	Upper
91	100		
106	31.8	26.1	39.1

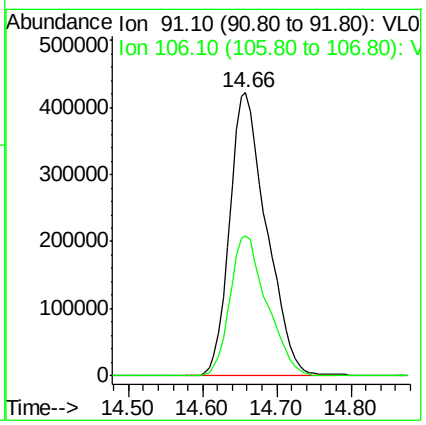


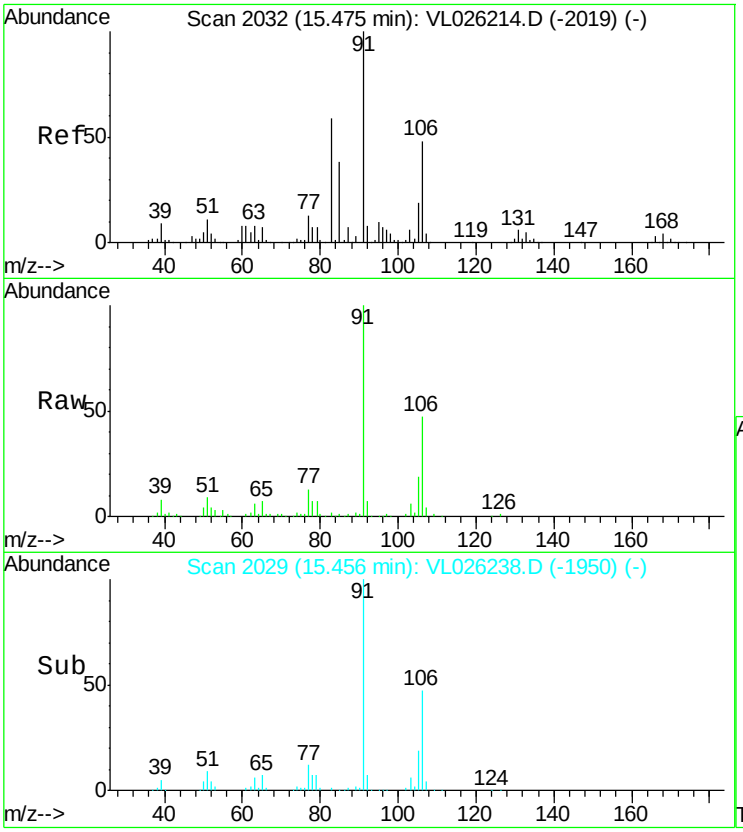


#59
m/p-Xylene
Concen: 7.12 ppbv
RT: 14.66 min Scan# 1898
Delta R.T. -0.04 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion: 91 Resp: 1454500

Ion	Ratio	Lower	Upper
91	100		
106	50.2	40.6	61.0



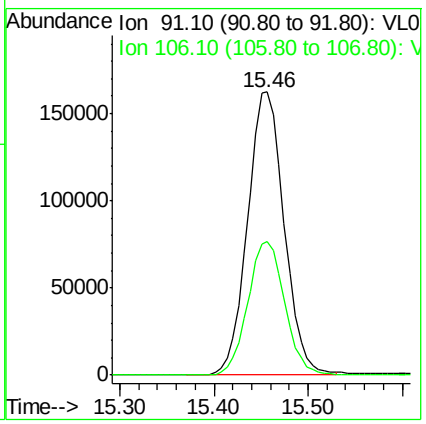


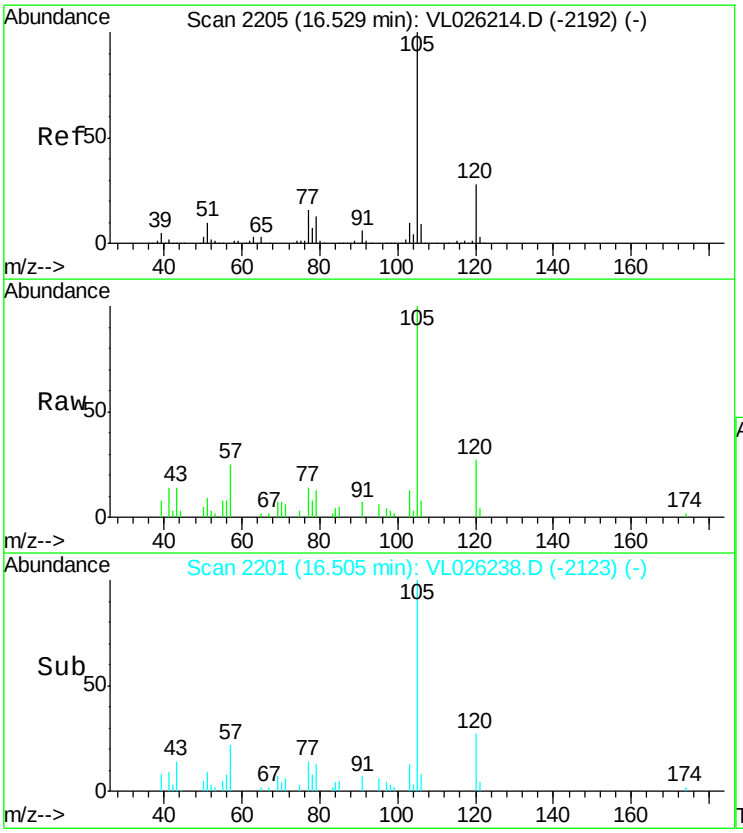
#60
o-Xylene
Concen: 2.07 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 91 Resp: 441573

Ion	Ratio	Lower	Upper
91	100		
106	47.7	23.8	71.5

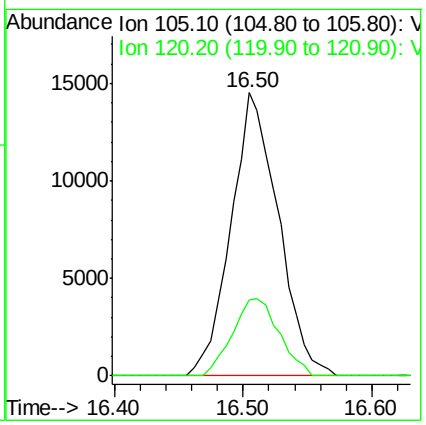


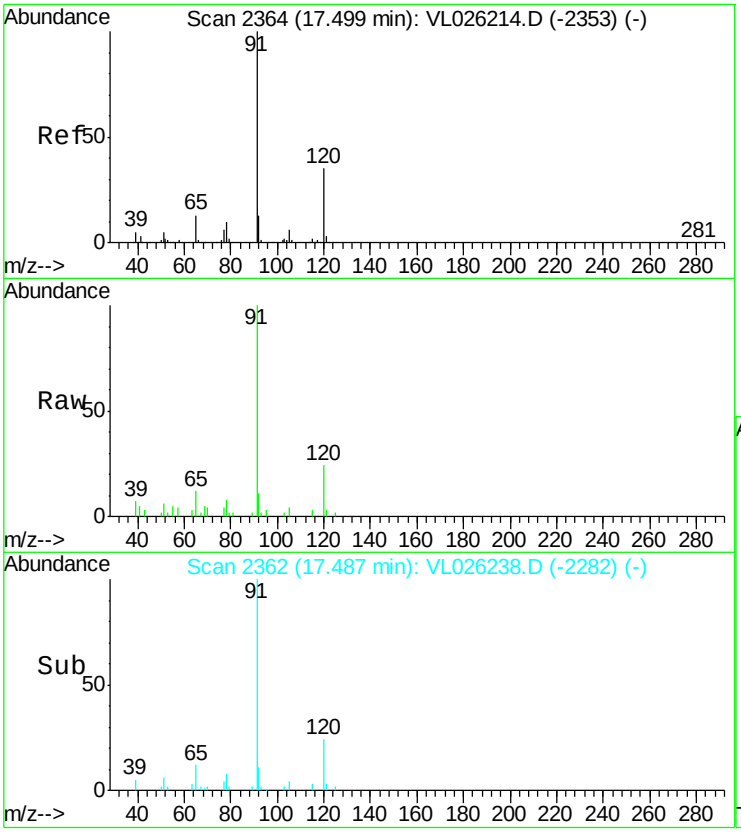


#62
Isopropylbenzene
Concen: 0.12 ppbv
RT: 16.50 min Scan# 2201
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion:105 Resp: 36944

Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.8	32.8



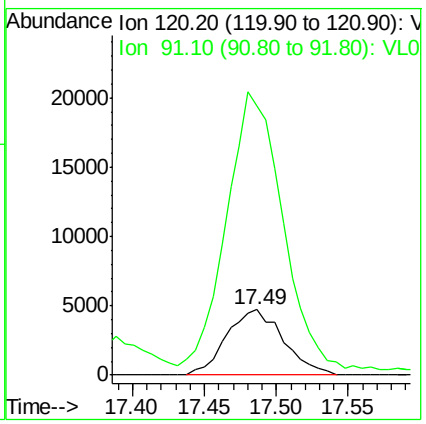


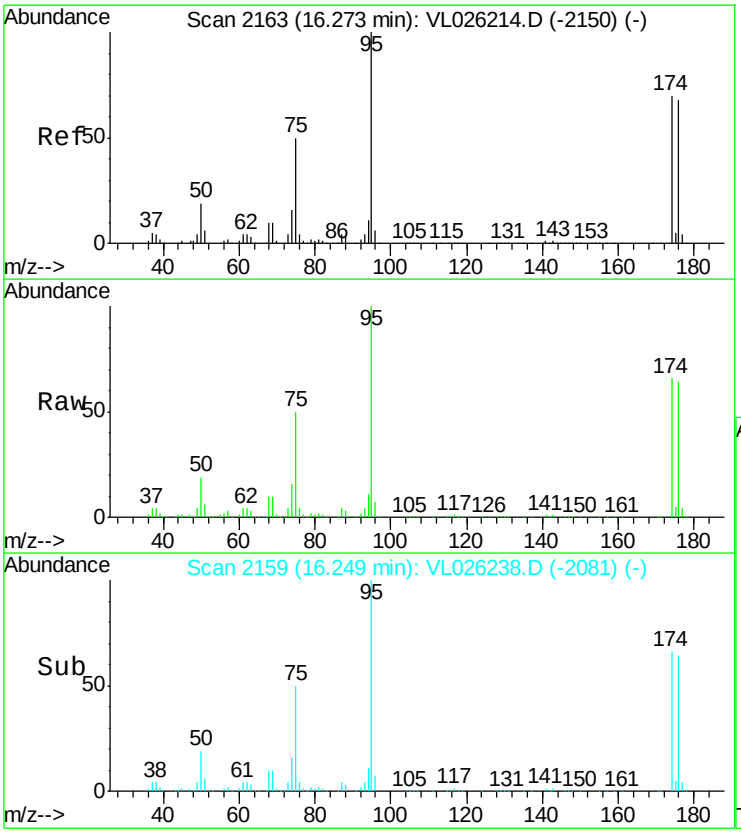
#64
n-propylbenzene
Concen: 0.16 ppbv
RT: 17.49 min Scan# 2362
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion:120 Resp: 13030

Ion	Ratio	Lower	Upper
120	100		
91	446.5	331.7	497.5

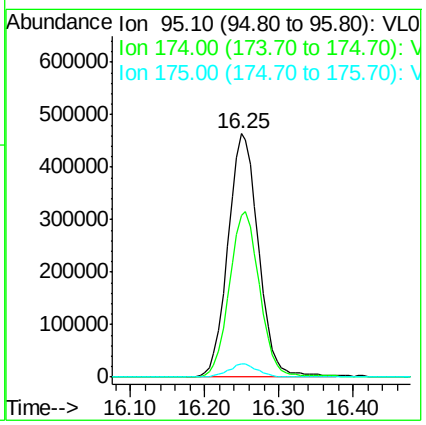


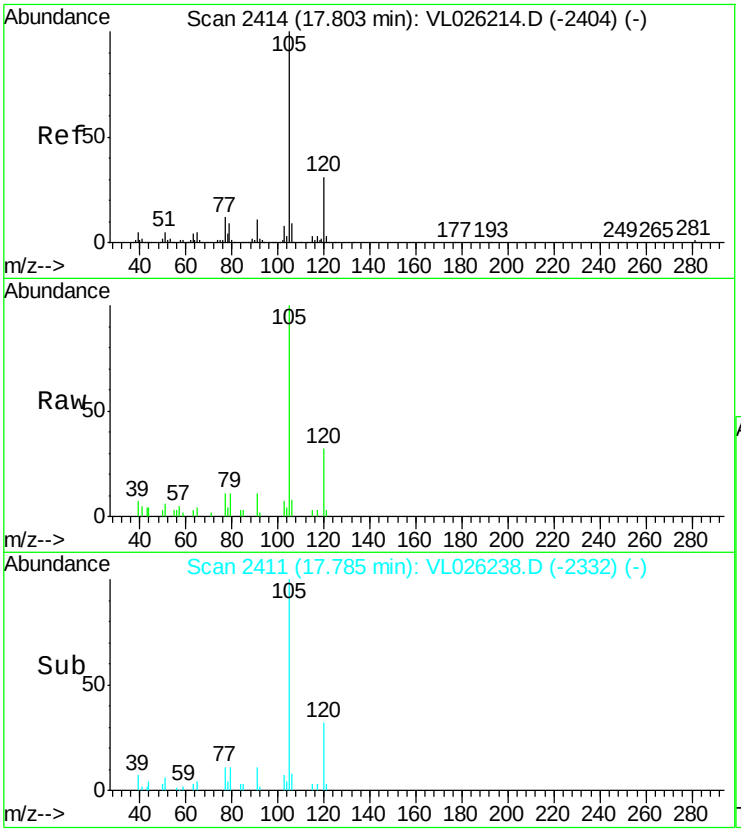


#68
1-Bromo-4-Fluorobenzene
Concen: 10.75 ppbv
RT: 16.25 min Scan# 2159
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion: 95 Resp: 1335012

Ion	Ratio	Lower	Upper
95	100		
174	68.2	55.8	83.8
175	5.2	4.3	6.5



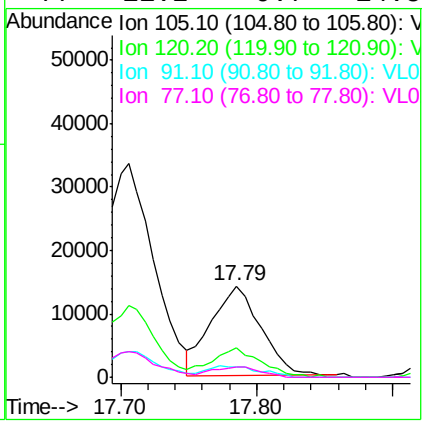


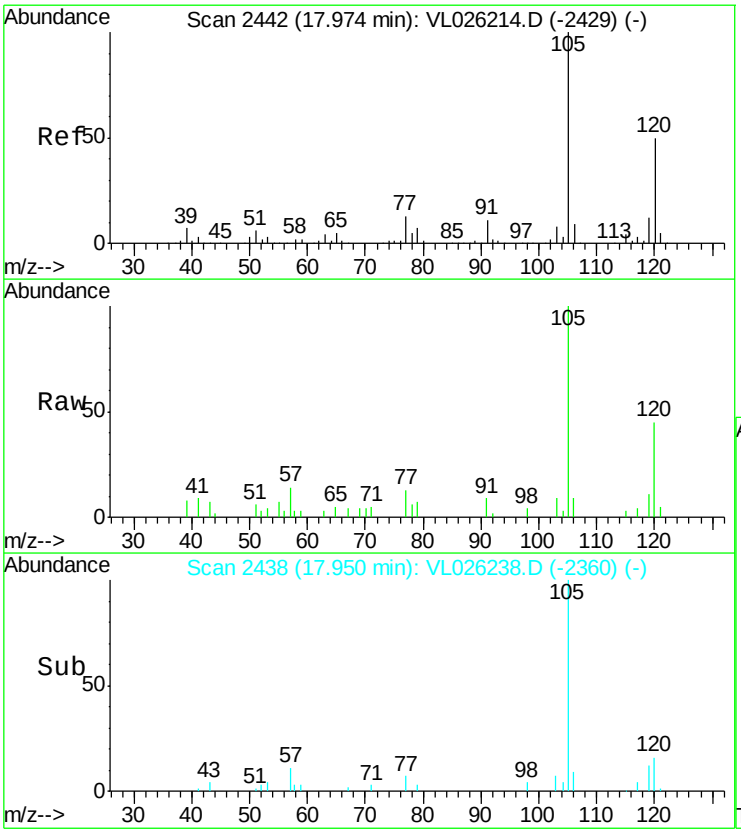
#72
4-Ethyltoluene
Concen: 0.15 ppbv
RT: 17.79 min Scan# 2411
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion:105 Resp: 36253

Ion	Ratio	Lower	Upper
105	100		
120	30.9	25.2	37.8
91	12.8	9.0	13.6
77	11.2	9.7	14.5

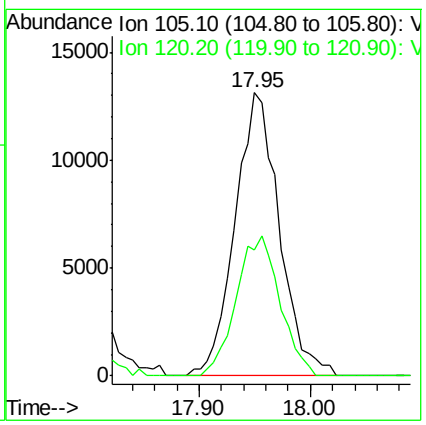


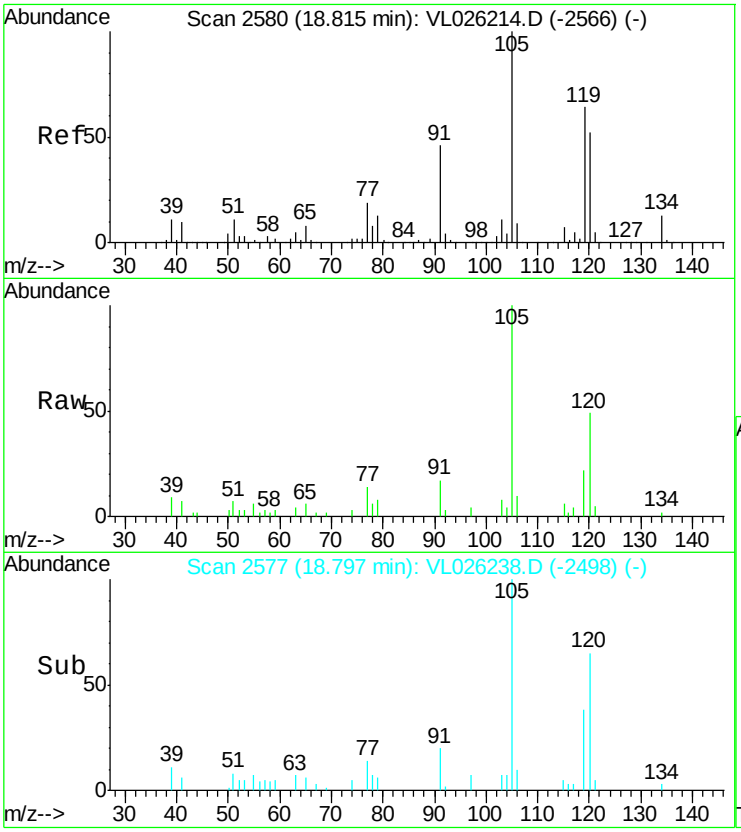


#73
1,3,5-Trimethylbenzene
Concen: 0.16 ppbv
RT: 17.95 min Scan# 2438
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion:105 Resp: 36343

Ion	Ratio	Lower	Upper
105	100		
120	44.5	39.8	59.6





#74
1,2,4-Trimethylbenzene
Concen: 0.21 ppbv
RT: 18.80 min Scan# 2577
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion:105 Resp: 49937

Ion	Ratio	Lower	Upper
105	100		
120	48.9	41.2	61.8
91	14.5	37.2	55.8#
77	13.7	15.6	23.4#