Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102015\
Data File : VL026219.D
Acq On : 20 Oct 2015 23:44
Operator : SY/MD
Sample : G3973-01DL2 600X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Quant Time: Oct 22 11:22:31 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	6.63	49	535160	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.30	114	1573281	10.00	ppbv		-0.01
55) Chlorobenzene-d5	13.72	117	1865021	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.26	95	1525899	10.61	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.10%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.56	51	30073	0.44	ppbv		98
10) Heptane	9.34	43	342684	3.23	ppbv		97
26) Hexane	6.64	57	233208	3.16	ppbv	#	45
30) Cyclohexane	8.26	84	220552	2.99	ppbv		93
36) Benzene	7.99	78	122230	0.76	ppbv		99
44) 2,2,4-Trimethylpentane	9.07	57	4171652	16.08	ppbv	#	86
53) Toluene	11.21	91	3670589	16.84	ppbv		100
58) Ethyl Benzene	14.38	91	762934	2.52	ppbv		100
59) m/p-Xylene	14.66	91	2177787	9.20	ppbv		99
60) o-Xylene	15.46	91	670839	2.71	ppbv		99
62) Isopropylbenzene	16.52	105	46724	0.14	ppbv		97
64) n-propylbenzene	17.49	120	17432	0.18	ppbv		84
72) 4-Ethyltoluene	17.79	105	47402	0.16	ppbv		97
73) 1,3,5-Trimethylbenzene	17.96	105	44723	0.17	ppbv		99
74) 1,2,4-Trimethylbenzene	18.80	105	67013	0.24	ppbv	#	76

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

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102015\
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Acq On : 20 Oct 2015 23:44
Operator : SY/MD
Sample : G3973-01DL2 600X
Misc : 400mL/MSVOA_L
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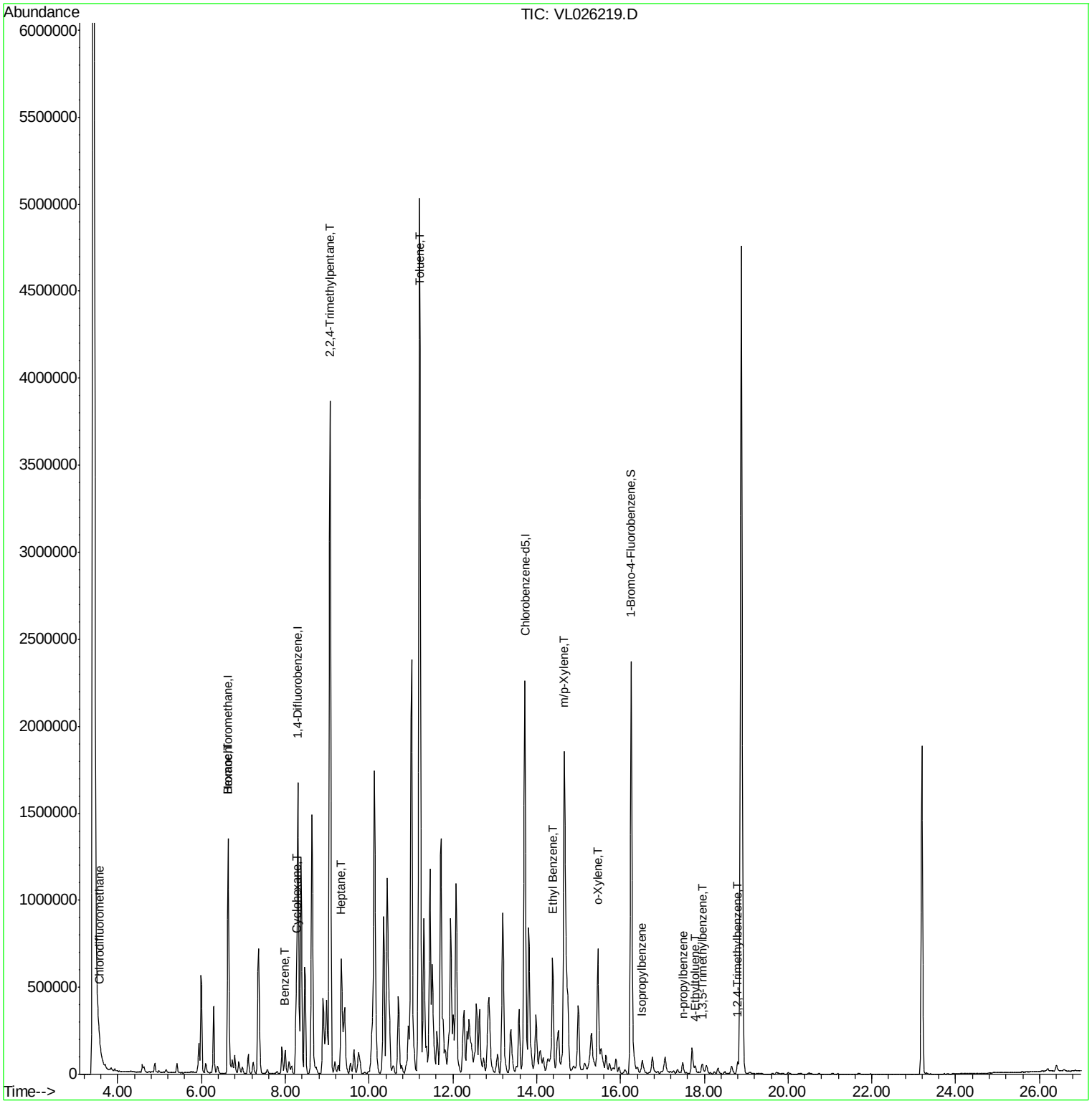
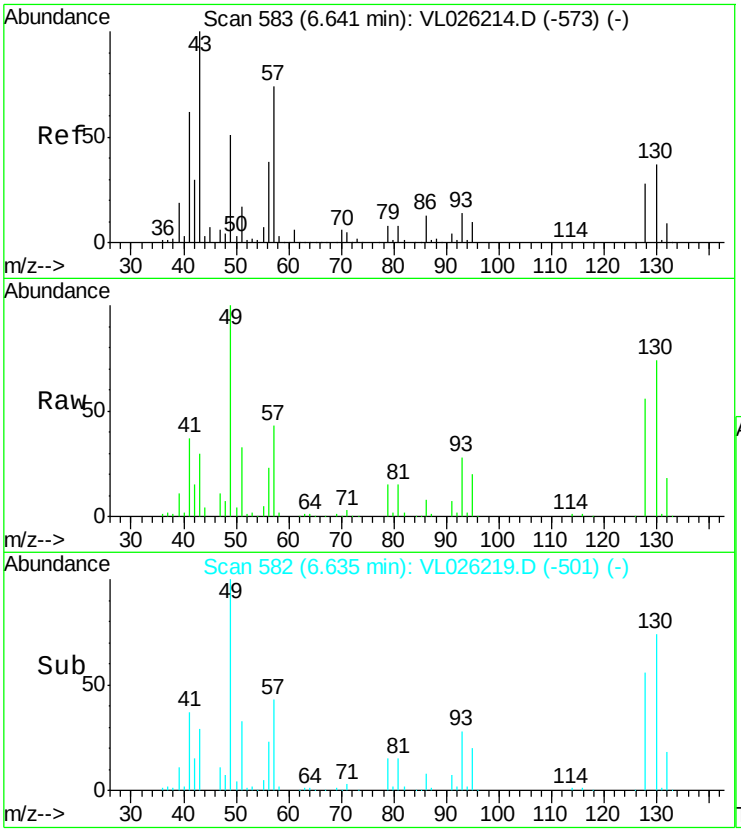
Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Quant Time: Oct 22 11:22:31 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



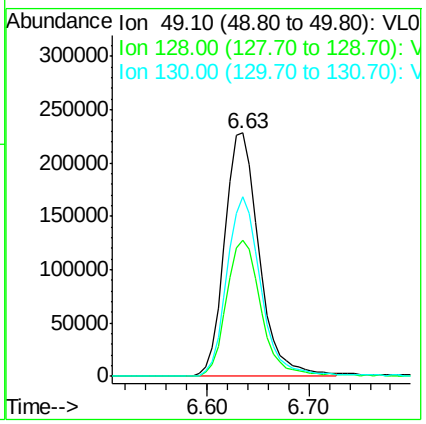


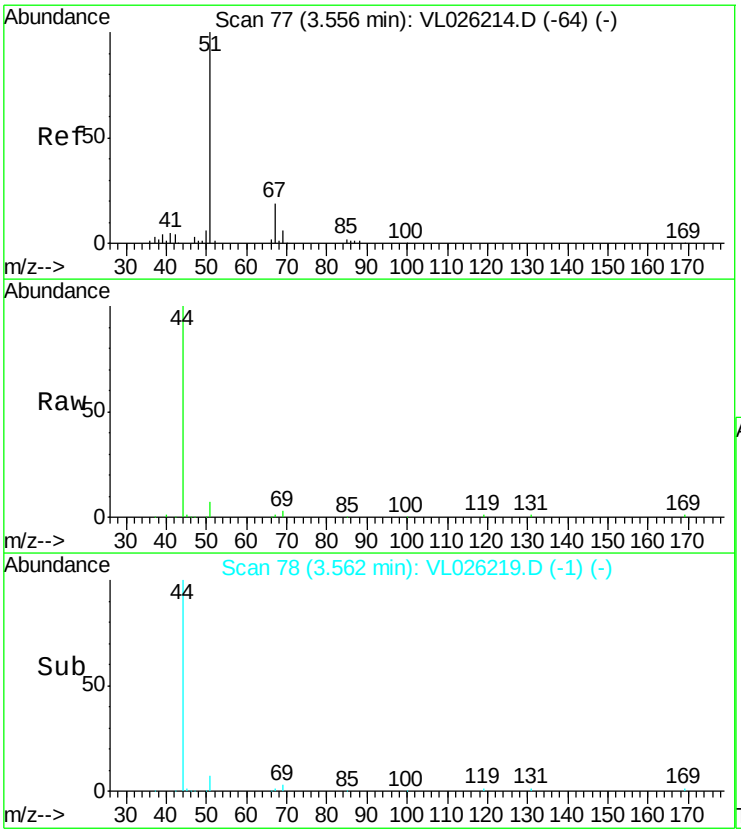
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 49 Resp: 535160

Ion	Ratio	Lower	Upper
49	100		
128	57.1	28.2	84.7
130	73.9	36.0	108.1

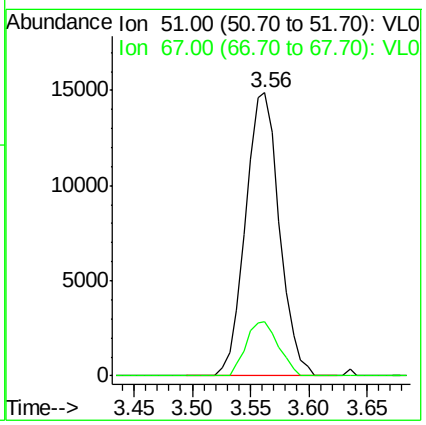


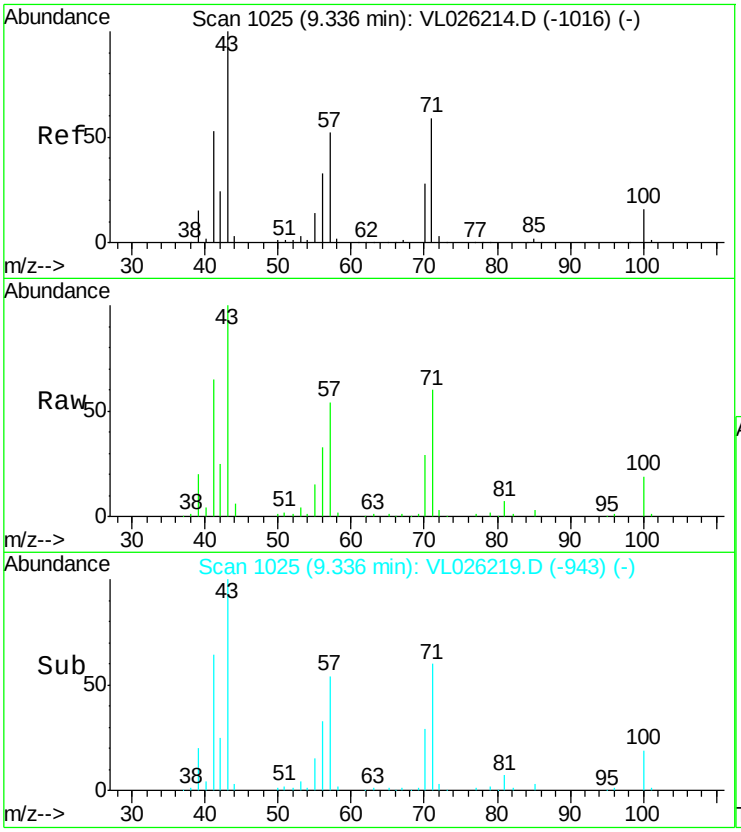


#3
Chlorodifluoromethane
Concen: 0.44 ppbv
RT: 3.56 min Scan# 78
Delta R.T. 0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 51 Resp: 30073

Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.3	22.9



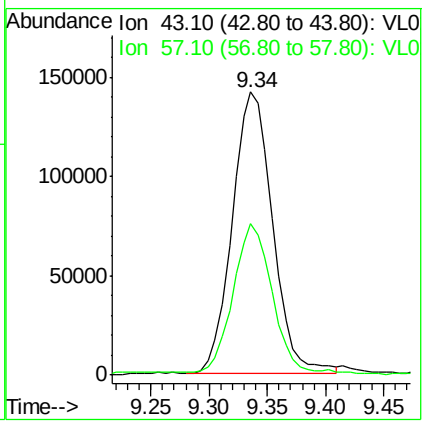


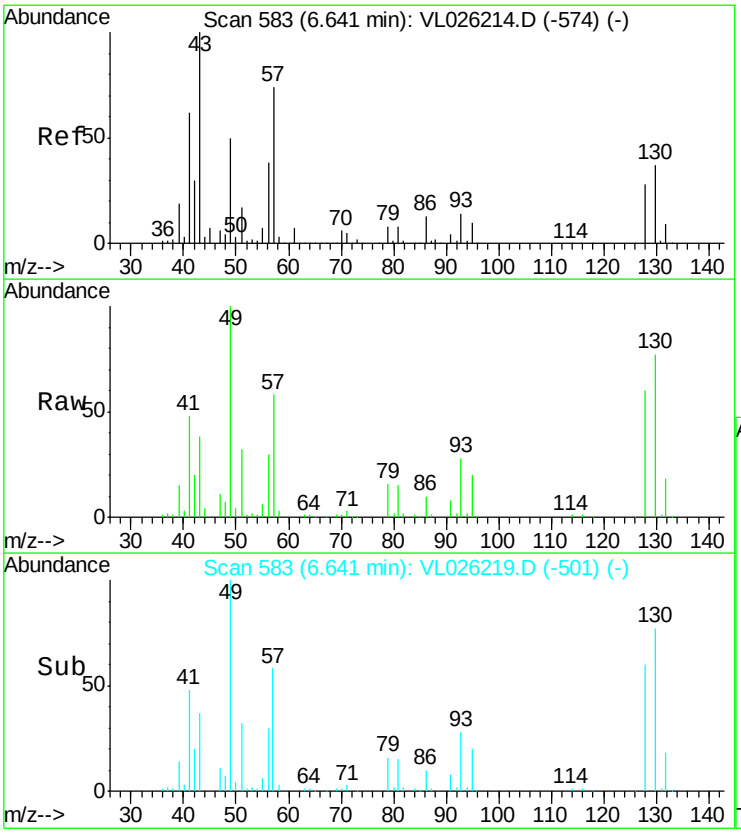
#10
Heptane
Concen: 3.23 ppbv
RT: 9.34 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 43 Resp: 342684

Ion	Ratio	Lower	Upper
43	100		
57	56.4	43.7	65.5

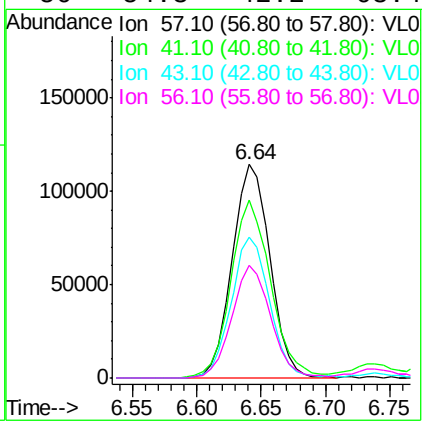


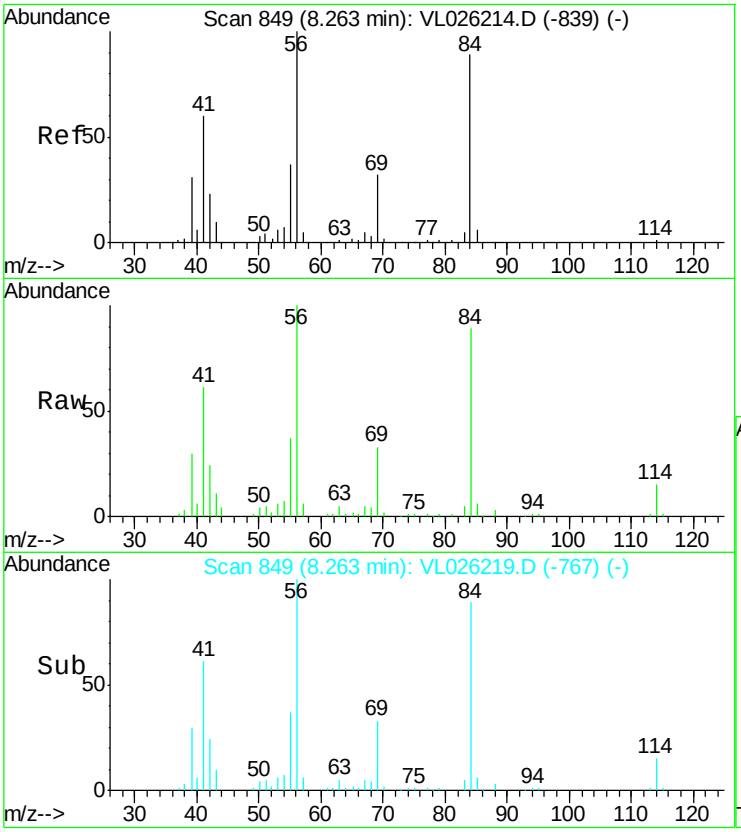


#26
Hexane
Concen: 3.16 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 57 Resp: 233208

Ion	Ratio	Lower	Upper
57	100		
41	88.0	68.1	102.1
43	66.7	163.4	245.2#
56	54.3	42.2	63.4



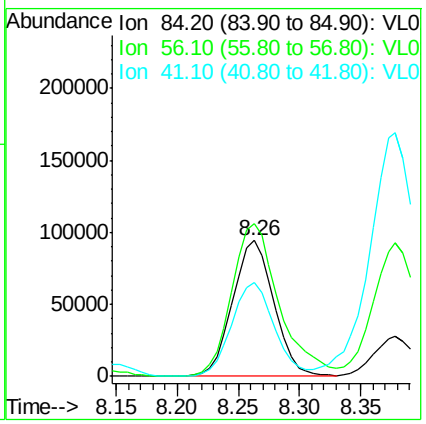


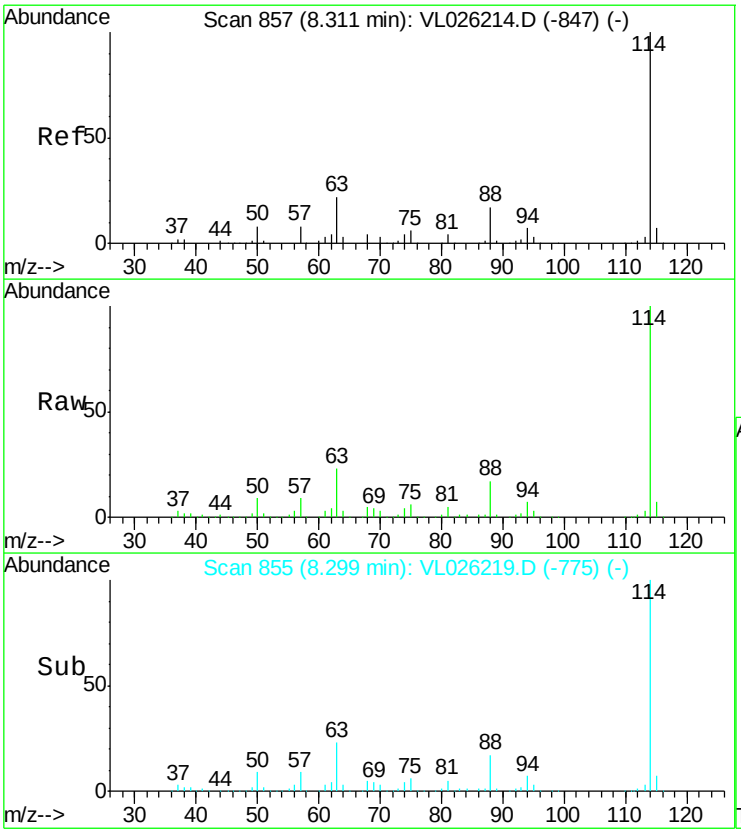
#30
Cyclohexane
Concen: 2.99 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 84 Resp: 220552

Ion	Ratio	Lower	Upper
84	100		
56	129.3	95.9	143.9
41	71.2	54.8	82.2

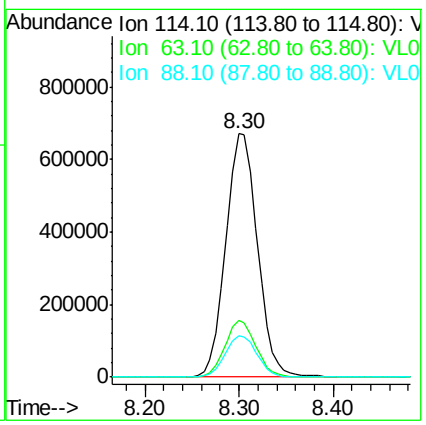


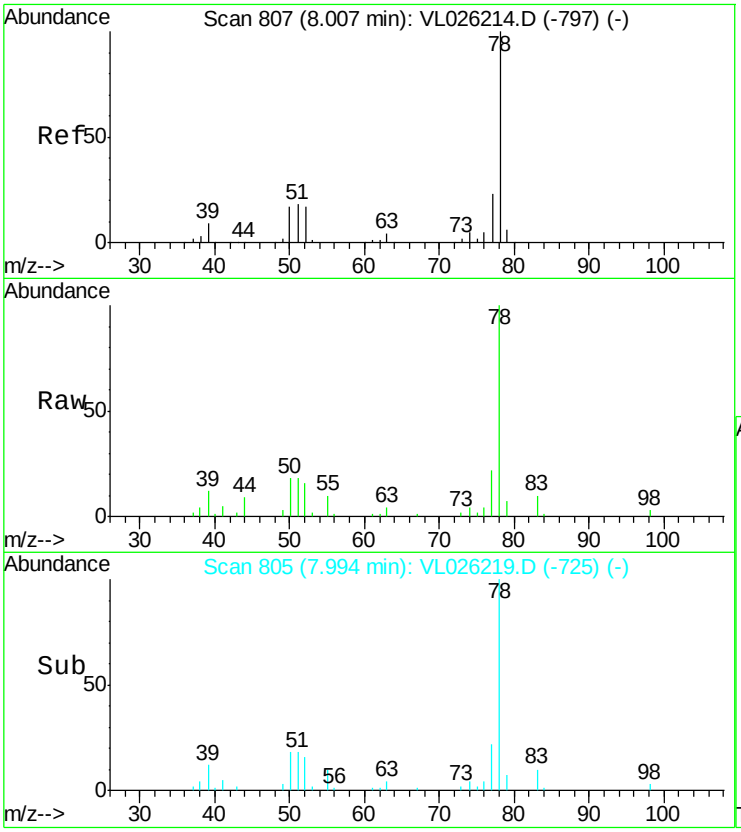


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.30 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion:114 Resp: 1573281

Ion	Ratio	Lower	Upper
114	100		
63	23.0	18.2	27.4
88	17.1	13.5	20.3



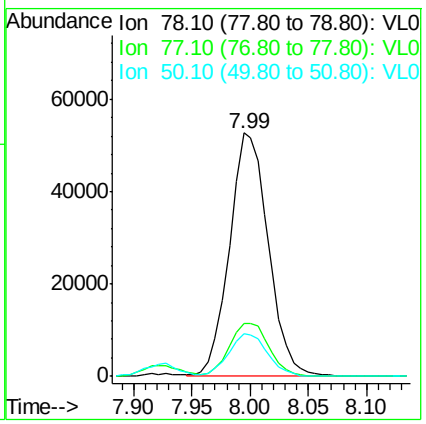


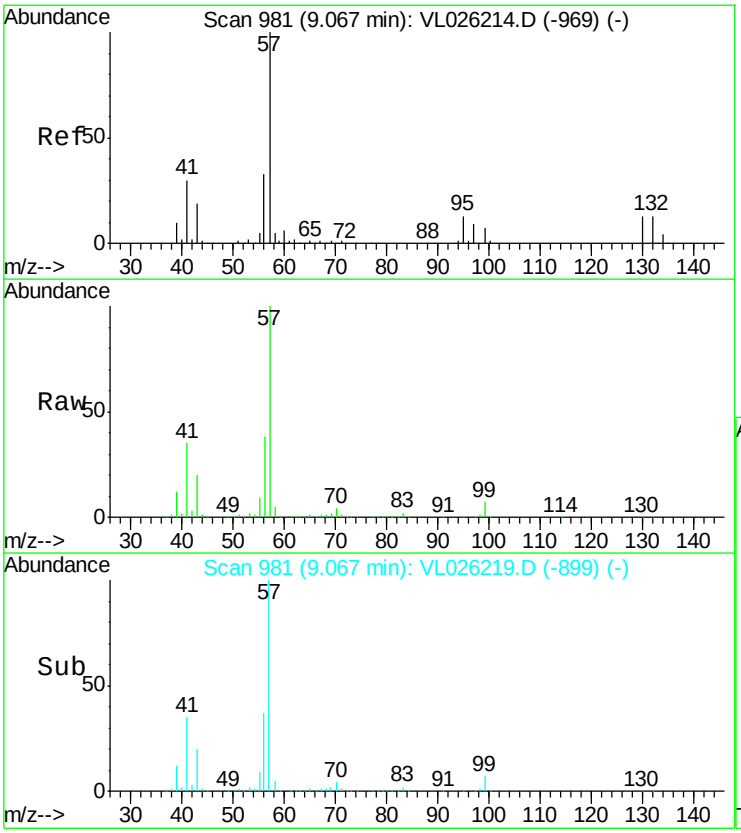
#36
Benzene
Concen: 0.76 ppbv
RT: 7.99 min Scan# 805
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 78 Resp: 122230

Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.1	27.1
50	17.6	13.8	20.8

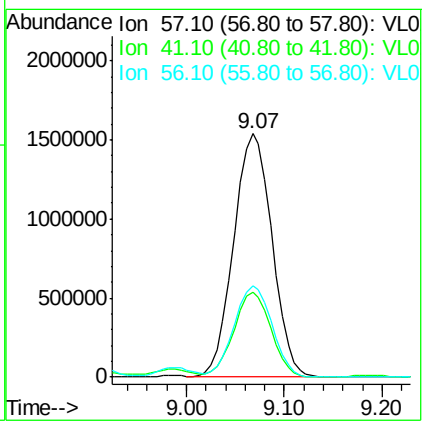


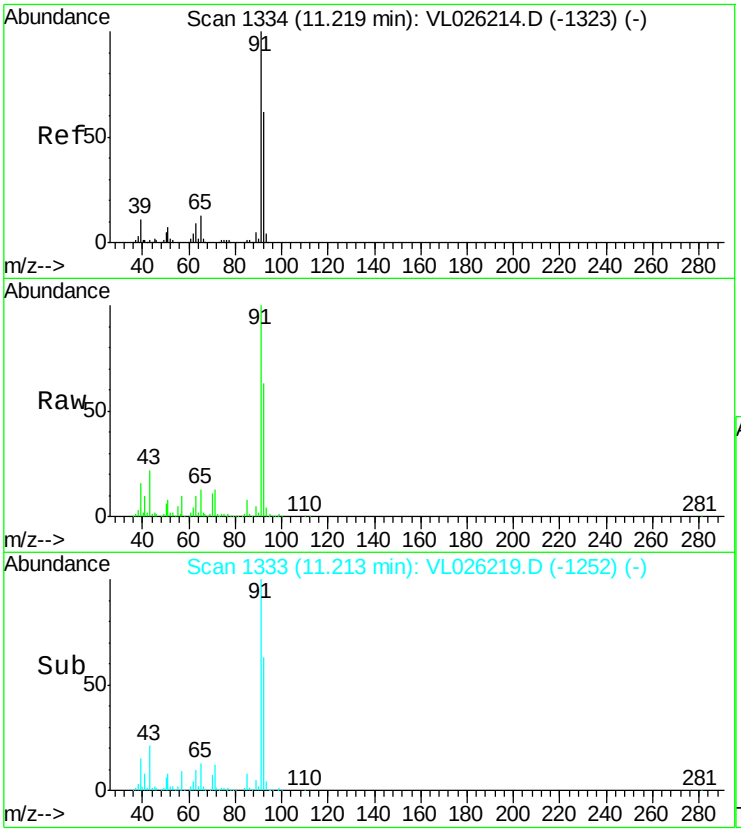


#44
2,2,4-Trimethylpentane
Concen: 16.08 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 57 Resp: 4171652

Ion	Ratio	Lower	Upper
57	100		
41	37.3	23.7	35.5#
56	40.6	25.9	38.9#



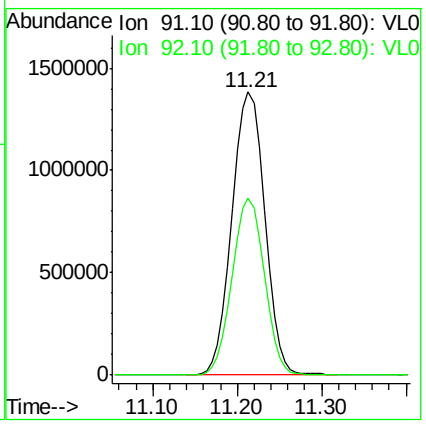


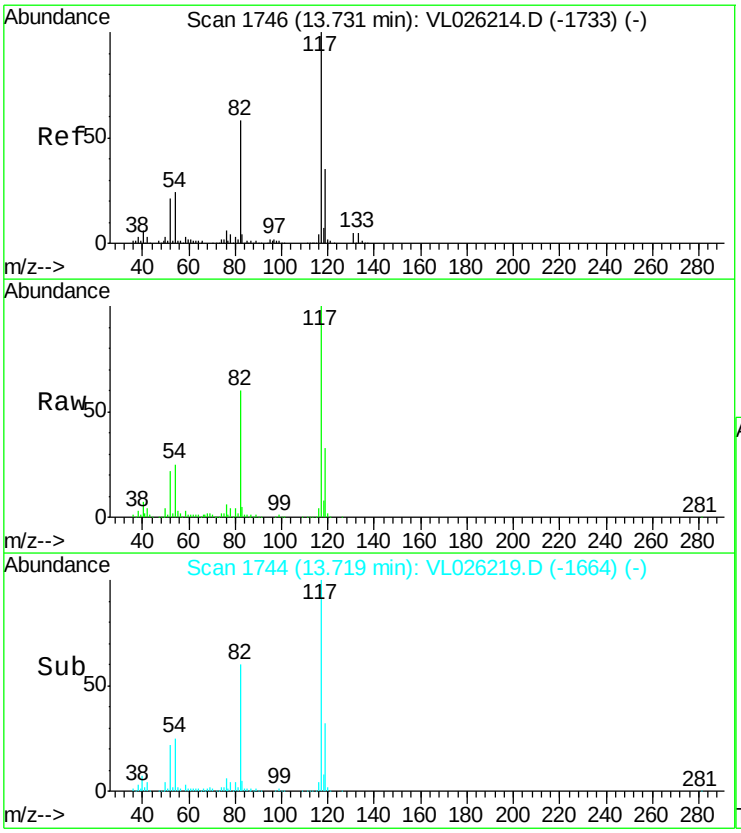
#53
Toluene
Concen: 16.84 ppbv
RT: 11.21 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 91 Resp: 3670589

Ion	Ratio	Lower	Upper
91	100		
92	61.6	49.2	73.8

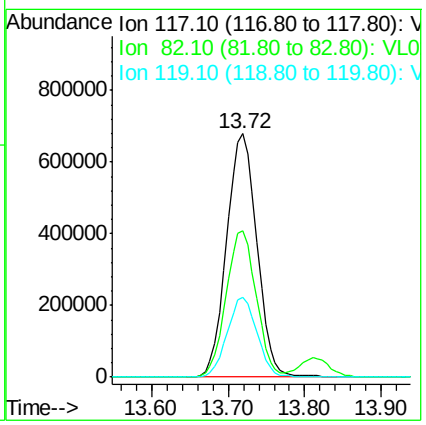


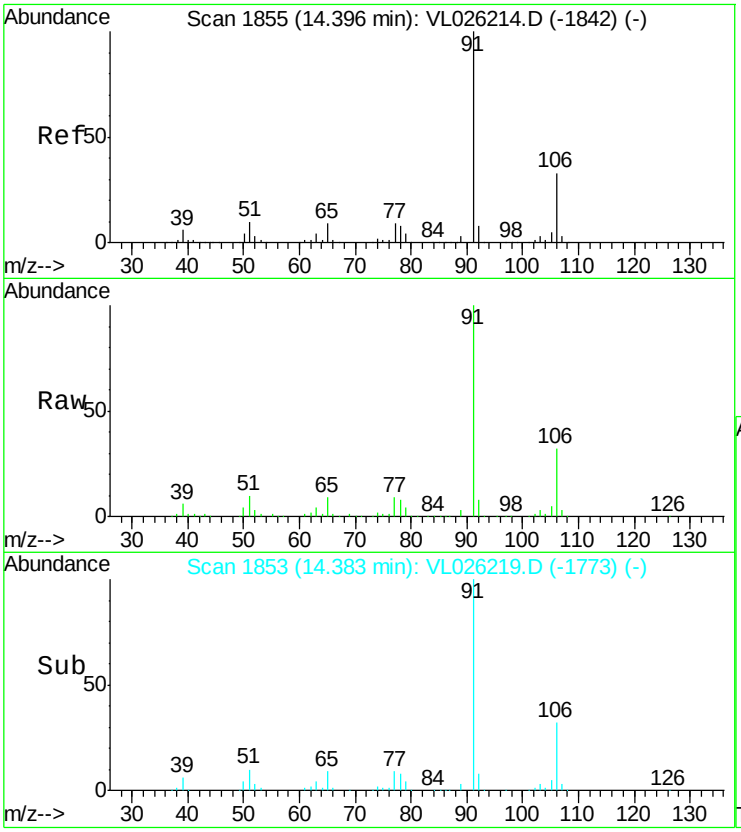


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion:117 Resp: 1865021

Ion	Ratio	Lower	Upper
117	100		
82	60.1	45.8	68.8
119	32.5	45.0	67.4#



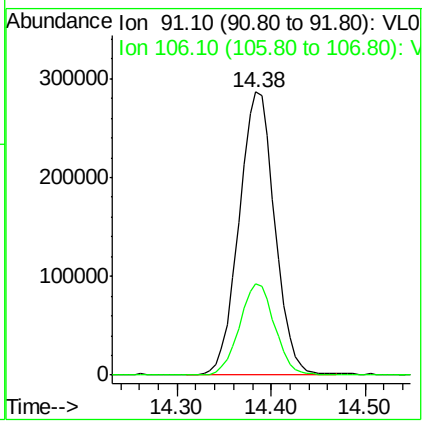


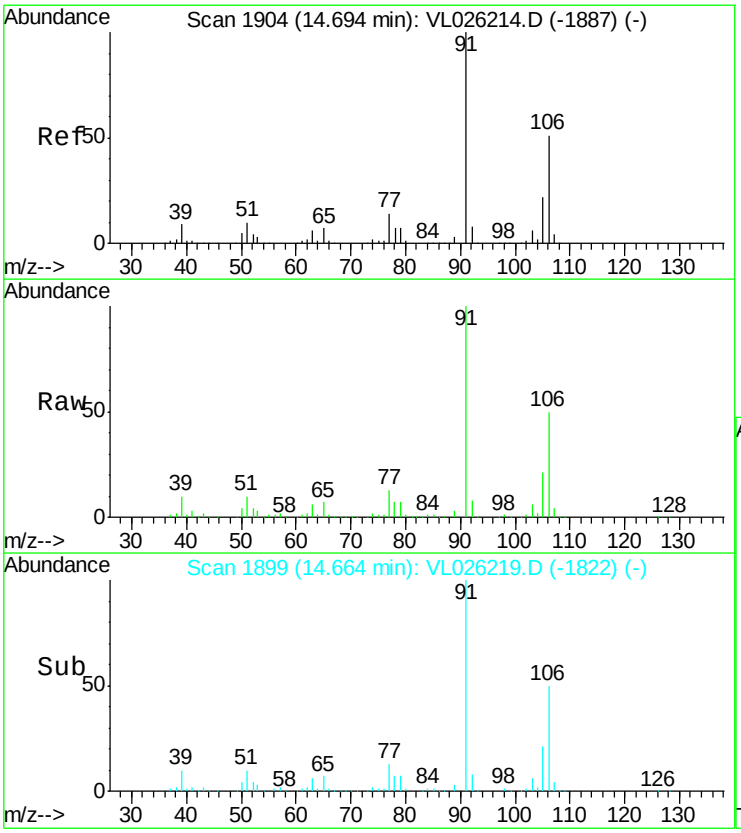
#58
Ethyl Benzene
Concen: 2.52 ppbv
RT: 14.38 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 91 Resp: 762934

Ion	Ratio	Lower	Upper
91	100		
106	32.3	26.1	39.1

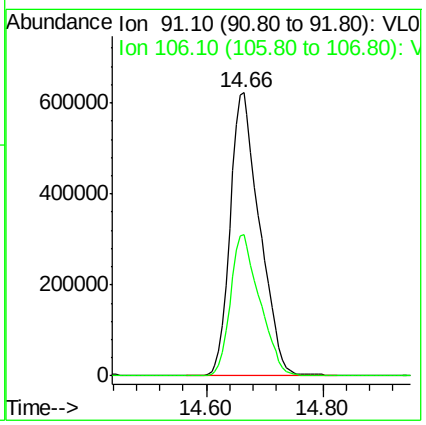


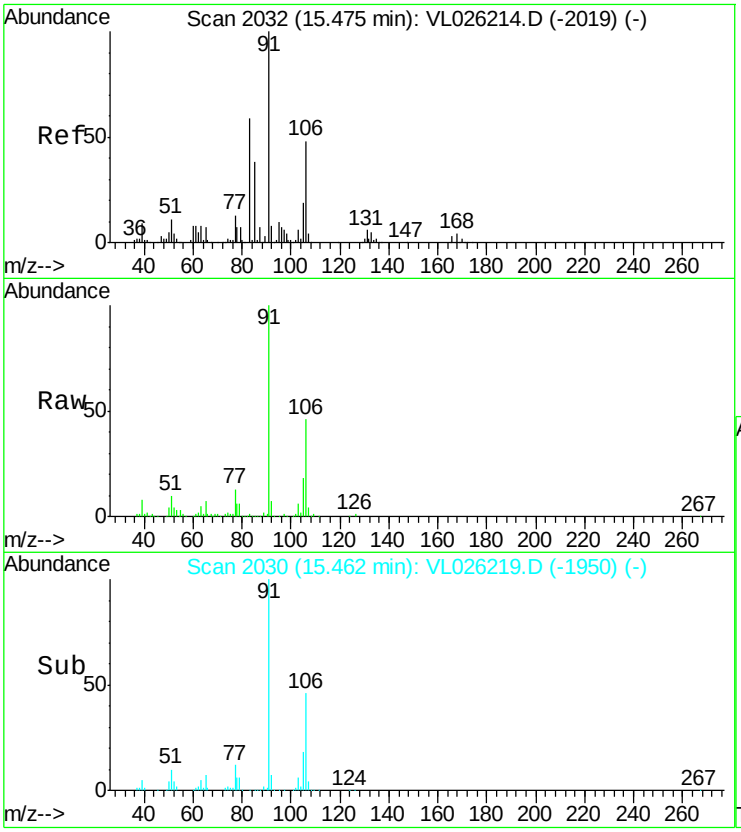


#59
m/p-Xylene
Concen: 9.20 ppbv
RT: 14.66 min Scan# 1899
Delta R.T. -0.03 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 91 Resp: 2177787

Ion	Ratio	Lower	Upper
91	100		
106	50.1	40.6	61.0



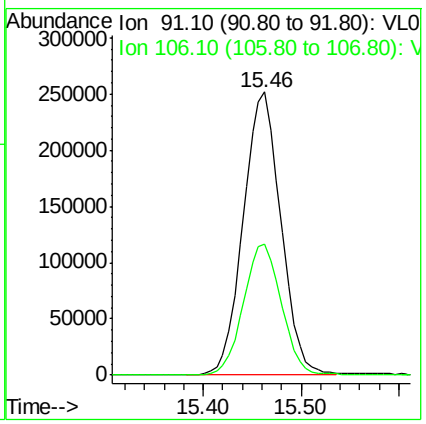


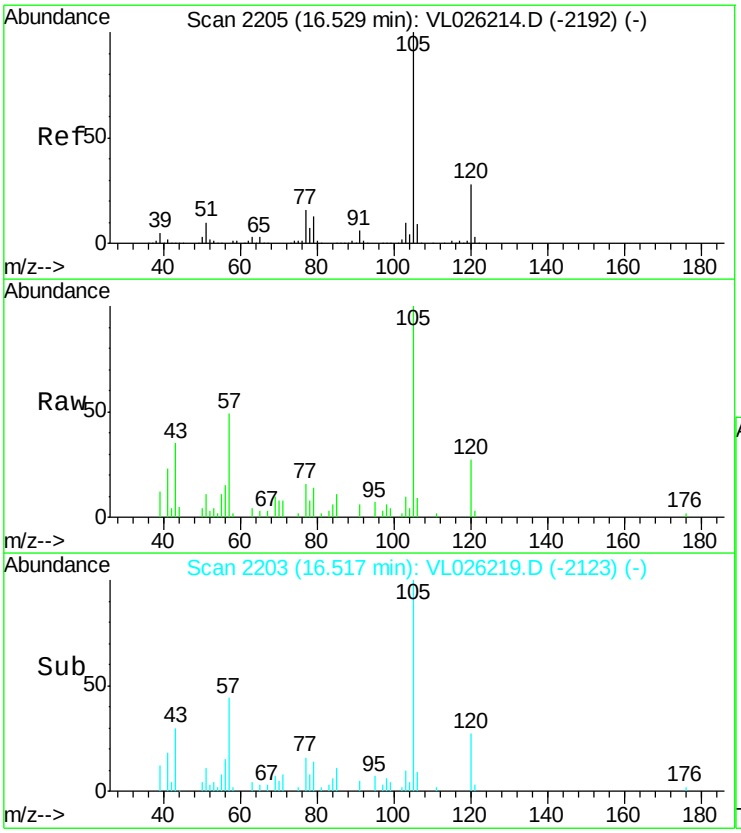
#60
o-Xylene
Concen: 2.71 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 91 Resp: 670839

Ion	Ratio	Lower	Upper
91	100		
106	47.1	23.8	71.5

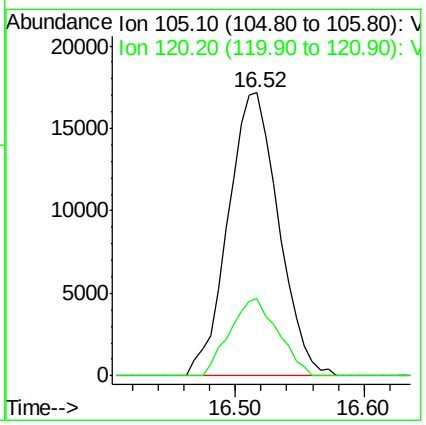


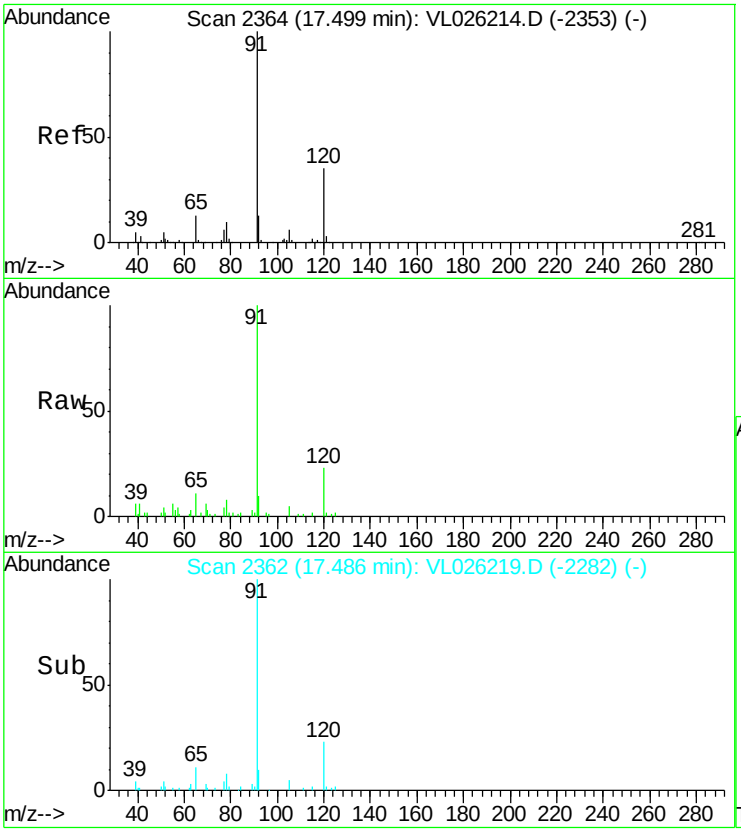


#62
Isopropylbenzene
Concen: 0.14 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion:105 Resp: 46724

Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.8	32.8



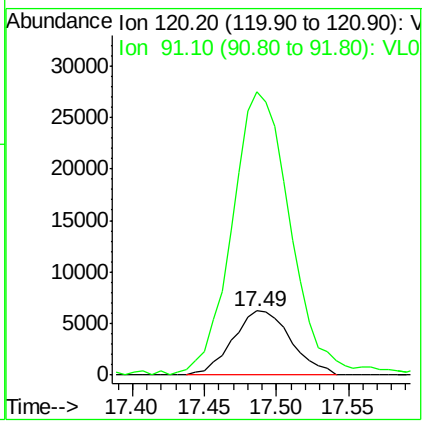


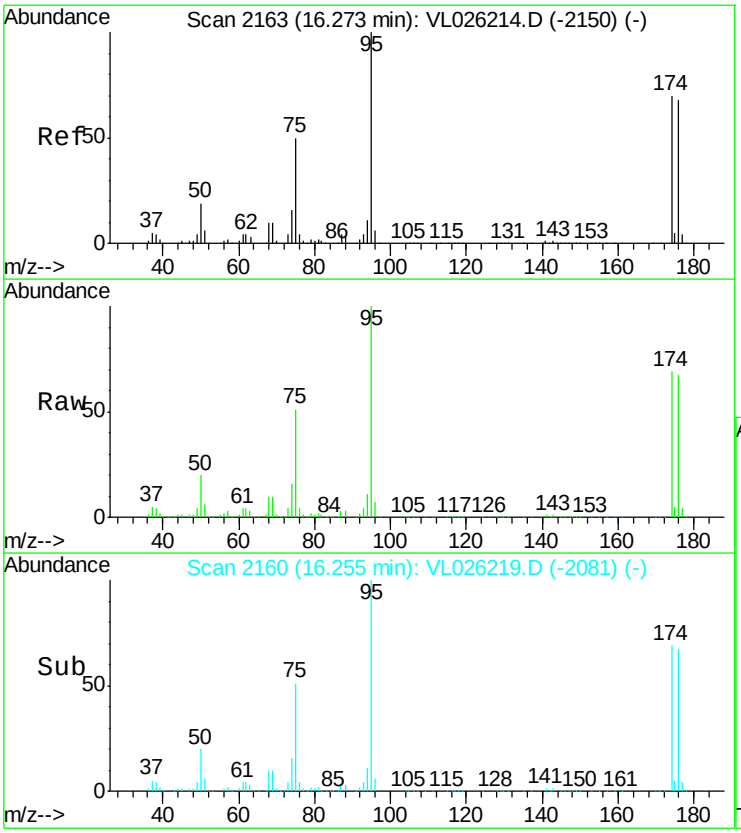
#64
n-propylbenzene
Concen: 0.18 ppbv
RT: 17.49 min Scan# 2362
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion:120 Resp: 17432

Ion	Ratio	Lower	Upper
120	100		
91	454.4	331.7	497.5

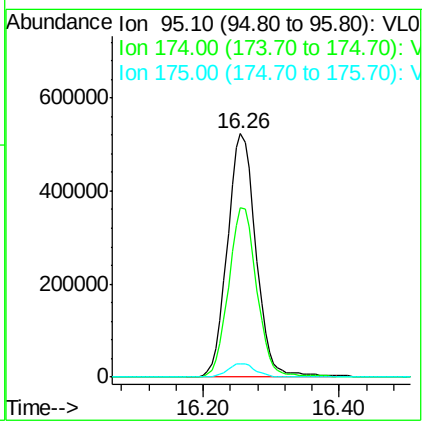


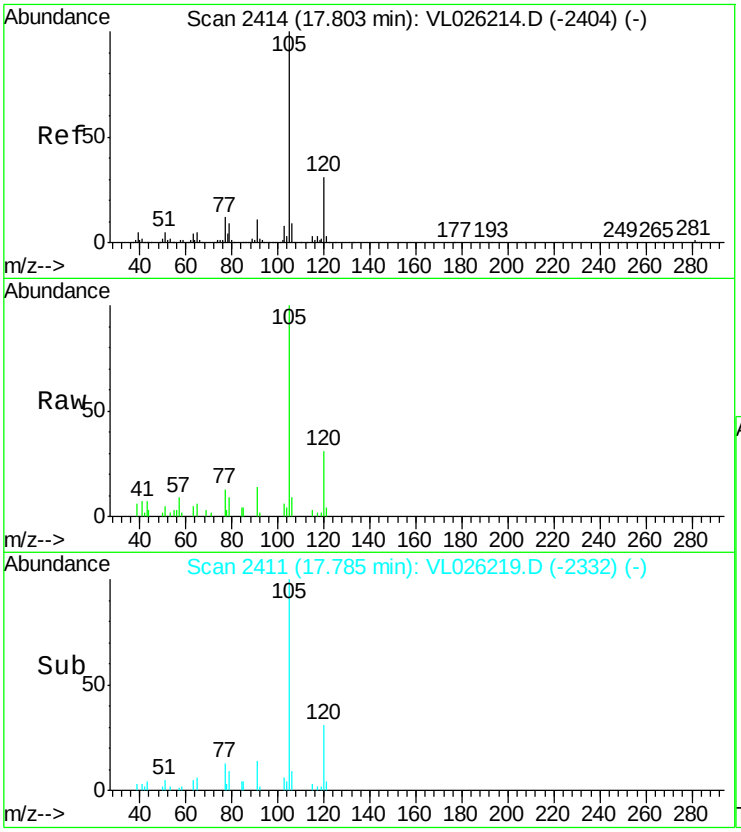


#68
1-Bromo-4-Fluorobenzene
Concen: 10.61 ppbv
RT: 16.26 min Scan# 2160
Delta R.T. -0.02 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 95 Resp: 1525899

Ion	Ratio	Lower	Upper
95	100		
174	69.2	55.8	83.8
175	5.4	4.3	6.5



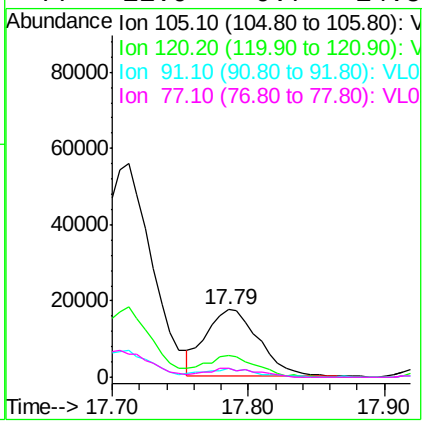


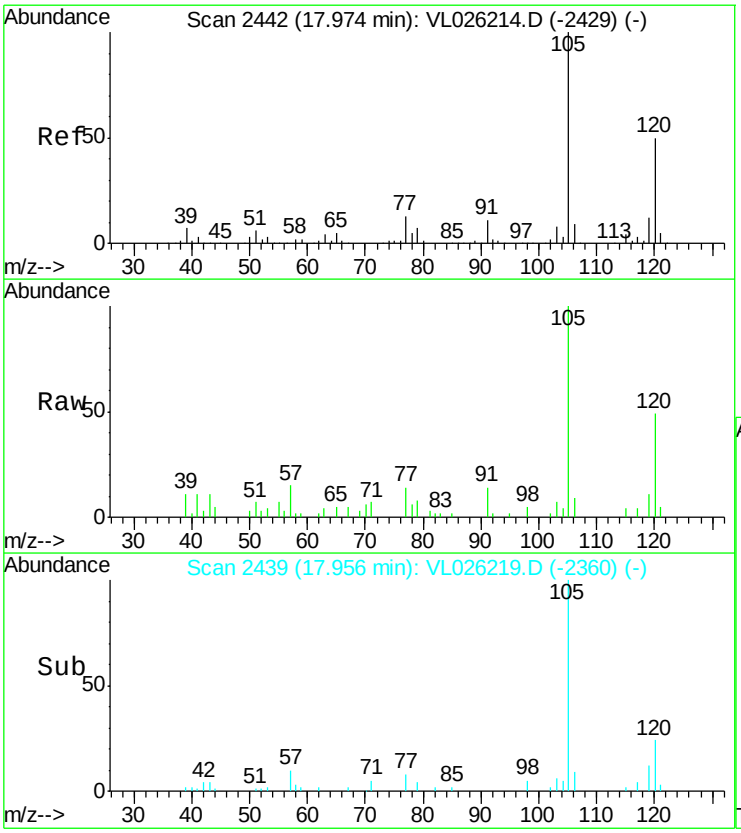
#72
4-Ethyltoluene
Concen: 0.16 ppbv
RT: 17.79 min Scan# 2411
Delta R.T. -0.02 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion:105 Resp: 47402

Ion	Ratio	Lower	Upper
105	100		
120	29.5	25.2	37.8
91	12.7	9.0	13.6
77	11.9	9.7	14.5

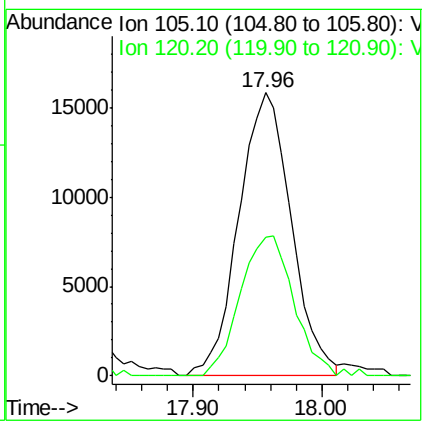


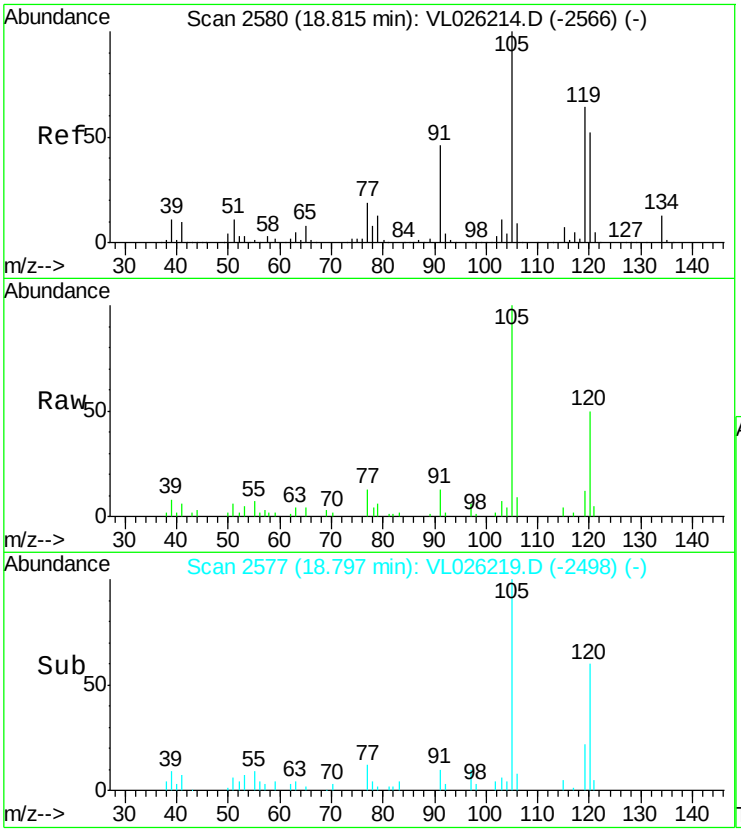


#73
1,3,5-Trimethylbenzene
Concen: 0.17 ppbv
RT: 17.96 min Scan# 2439
Delta R.T. -0.02 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion:105 Resp: 44723

Ion	Ratio	Lower	Upper
105	100		
120	49.0	39.8	59.6





#74
1,2,4-Trimethylbenzene
Concen: 0.24 ppbv
RT: 18.80 min Scan# 2577
Delta R.T. -0.02 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion:105 Resp: 67013

Ion	Ratio	Lower	Upper
105	100		
120	49.8	41.2	61.8
91	12.5	37.2	55.8#
77	13.2	15.6	23.4#