Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026240.D
Acq On : 21 Oct 2015 16:29
Operator : SY/MD
Sample : G3973-03DL 1200X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-3DL

Quant Time: Oct 22 12:13:07 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	404208	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	8.31	114	1310299	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.72	117	1640174	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.26	95	1496436	11.83	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 118.30%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.55	51	26337	0.51	ppbv		100
10) Heptane	9.35	43	4904351	61.15	ppbv		96
26) Hexane	6.66	57	6697183	120.13	ppbv	#	46
30) Cyclohexane	8.27	84	2513407	45.08	ppbv		96
36) Benzene	8.01	78	316302	2.37	ppbv		98
53) Toluene	11.22	91	102082	0.56	ppbv		94
58) Ethyl Benzene	14.39	91	163830	0.62	ppbv		100
59) m/p-Xylene	14.70	91	165313	0.79	ppbv		93
60) o-Xylene	15.47	91	20750	0.10	ppbv		89
61) Styrene	15.29	104	8657	0.09	ppbv	#	59
62) Isopropylbenzene	16.52	105	61351	0.20	ppbv		98
64) n-propylbenzene	17.49	120	14825	0.18	ppbv		79
74) 1,2,4-Trimethylbenzene	18.80	105	259952	1.06	ppbv	#	73

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

Quantitation Report (QT Reviewed)

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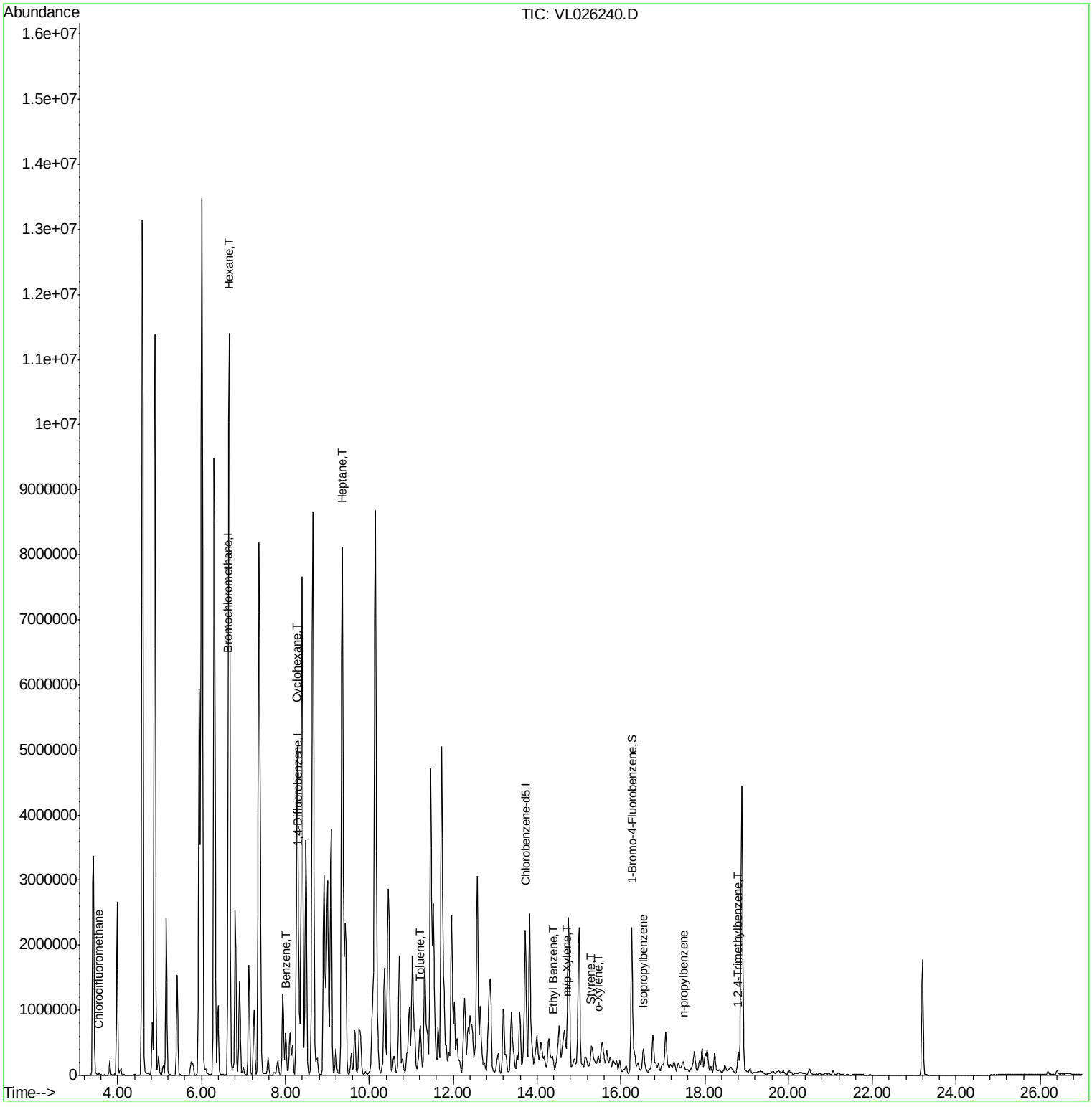
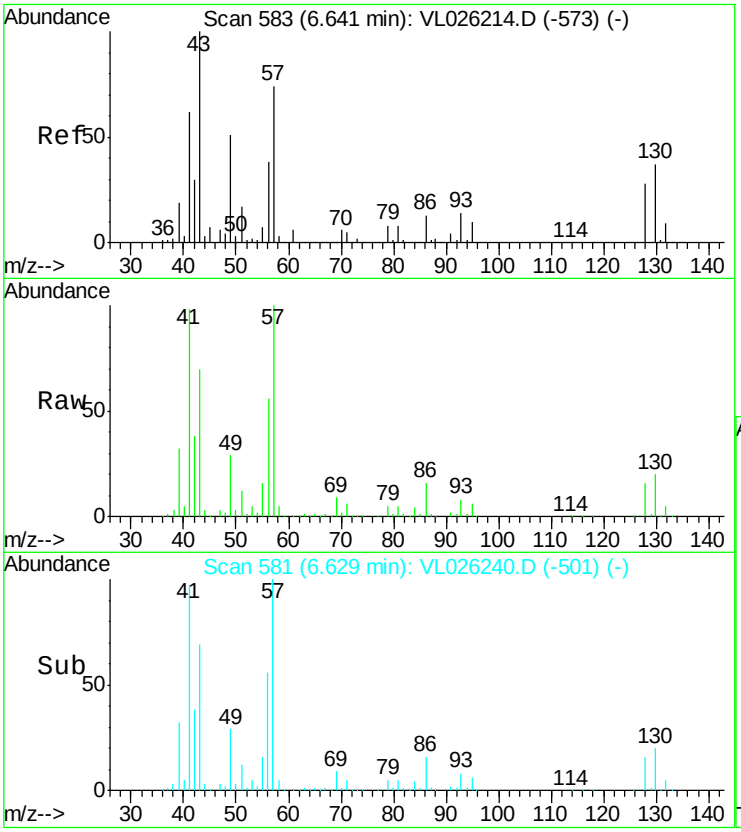
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration



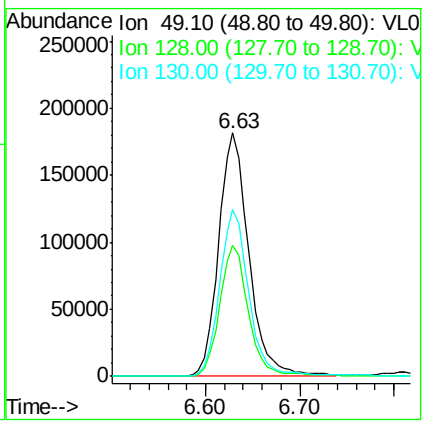


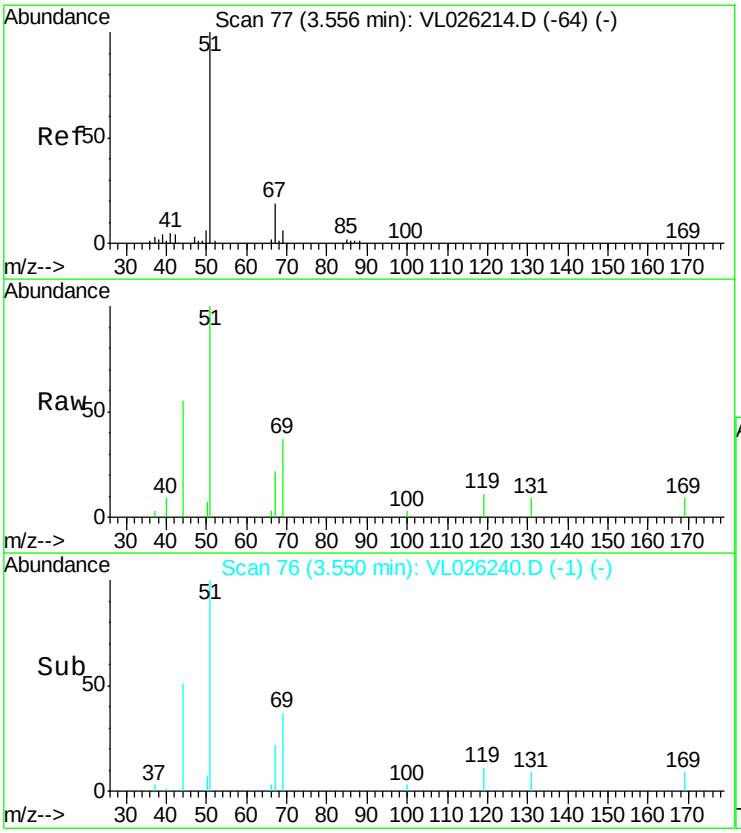
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
SS-3DL

Tgt Ion: 49 Resp: 404208

Ion	Ratio	Lower	Upper
49	100		
128	52.1	28.2	84.7
130	67.0	36.0	108.1

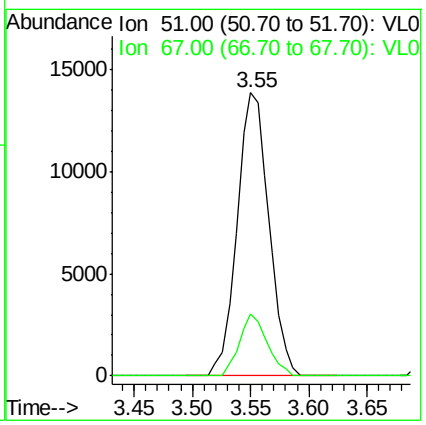


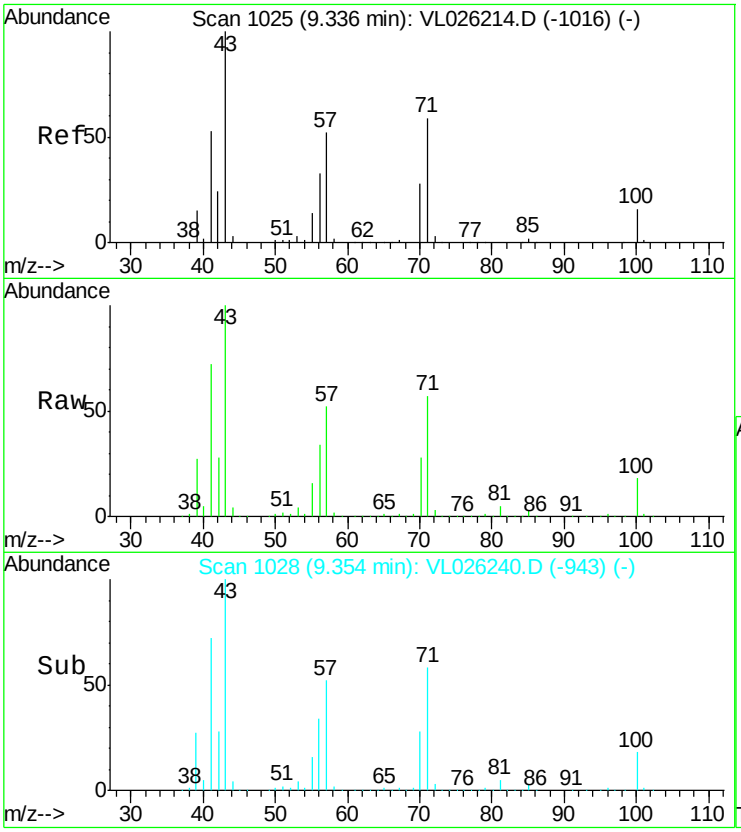


#3
Chlorodifluoromethane
Concen: 0.51 ppbv
RT: 3.55 min Scan# 76
Delta R.T. -0.01 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Tgt Ion: 51 Resp: 26337

Ion	Ratio	Lower	Upper
51	100		
67	19.0	15.3	22.9



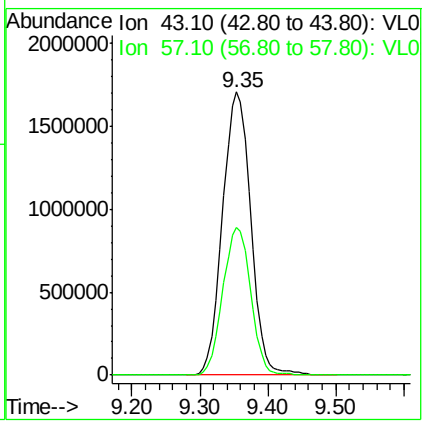


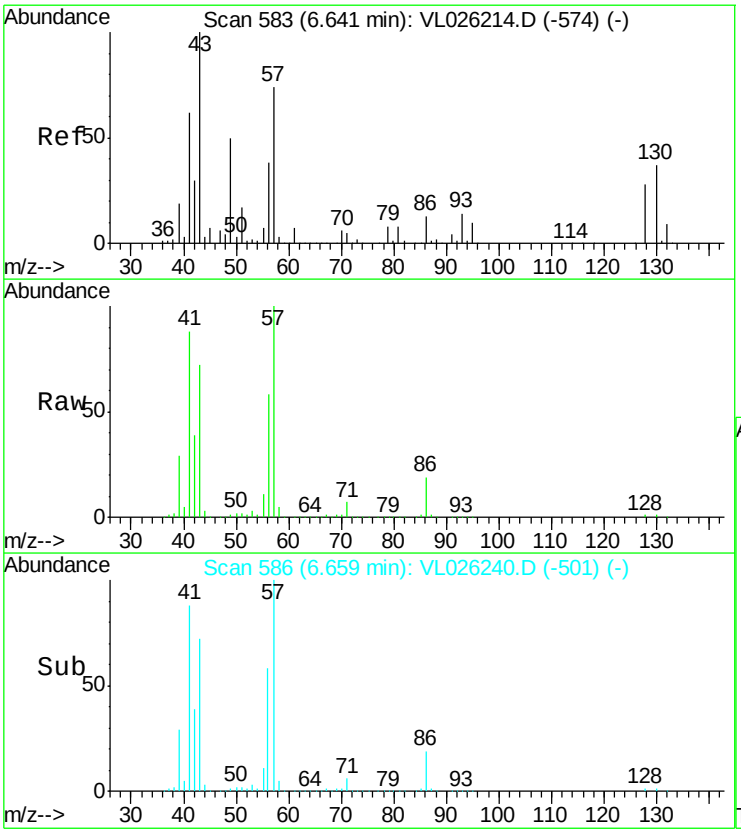
#10
Heptane
Concen: 61.15 ppbv
RT: 9.35 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
SS-3DL

Tgt Ion: 43 Resp: 4904351

Ion	Ratio	Lower	Upper
43	100		
57	51.6	43.7	65.5

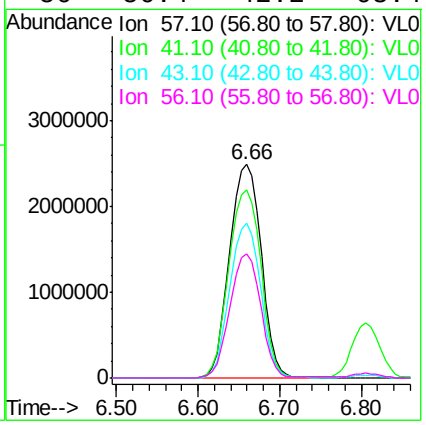


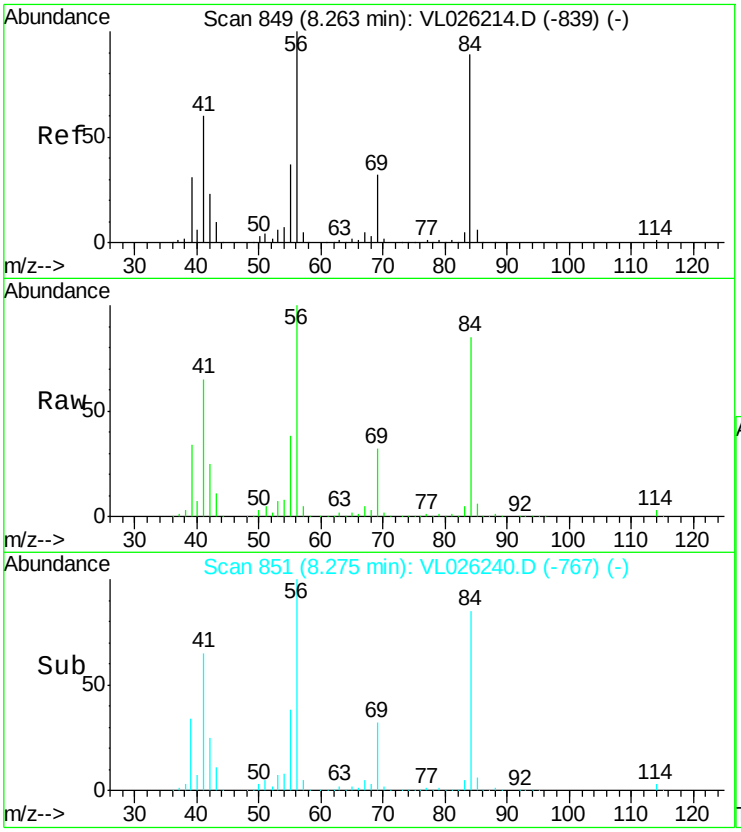


#26
Hexane
Concen: 120.13 ppbv
RT: 6.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Tgt Ion: 57 Resp: 6697183

Ion	Ratio	Lower	Upper
57	100		
41	89.7	68.1	102.1
43	70.5	163.4	245.2#
56	56.4	42.2	63.4



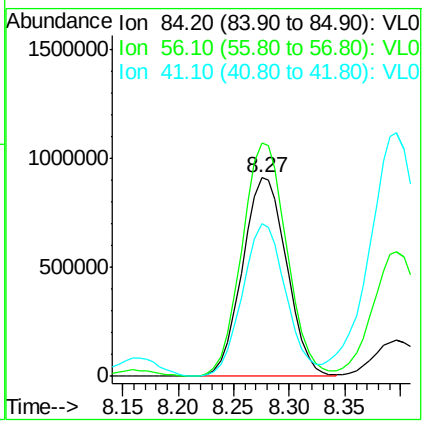


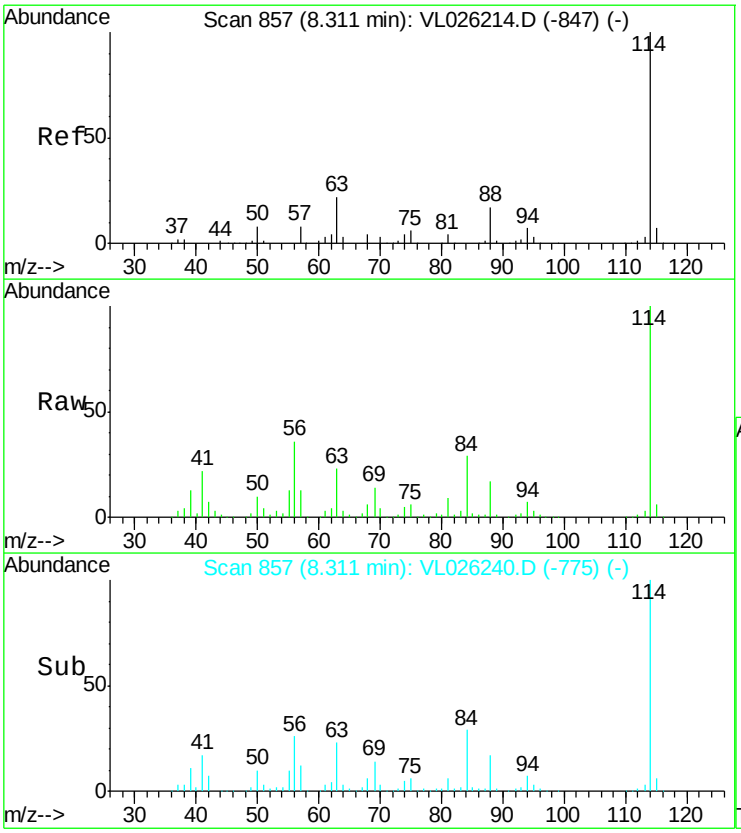
#30
Cyclohexane
Concen: 45.08 ppbv
RT: 8.27 min Scan# 851
Delta R.T. 0.01 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Instrument : MSVOA_L
ClientSampleId : SS-3DL

Tgt Ion: 84 Resp: 2513407

Ion	Ratio	Lower	Upper
84	100		
56	118.6	95.9	143.9
41	76.6	54.8	82.2

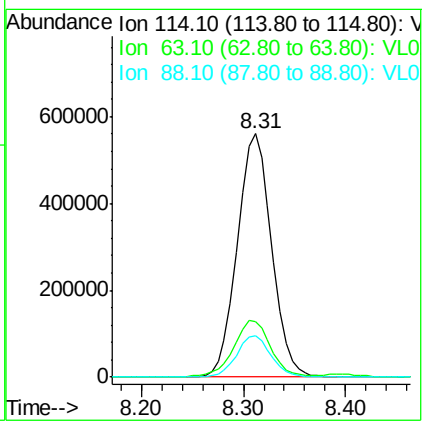


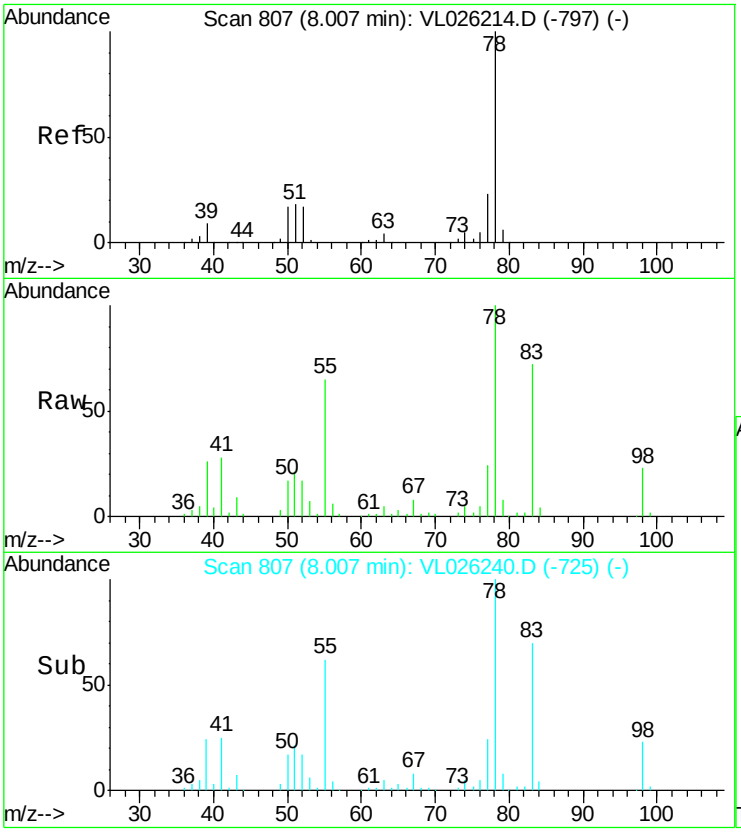


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.31 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Tgt Ion:114 Resp: 1310299

Ion	Ratio	Lower	Upper
114	100		
63	26.8	18.2	27.4
88	17.0	13.5	20.3



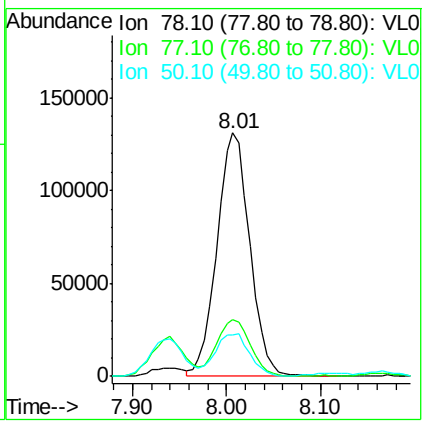


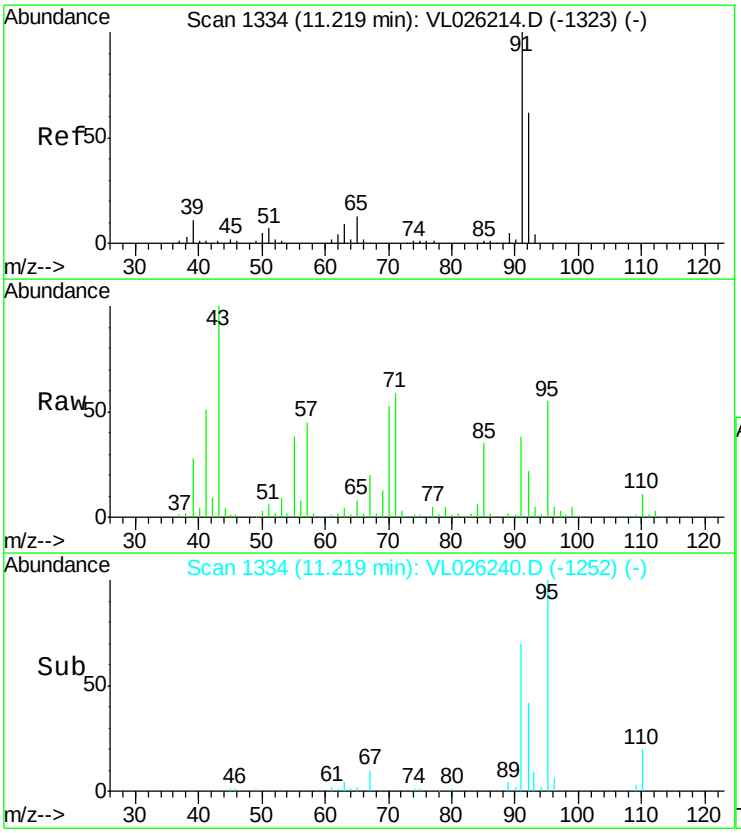
#36
Benzene
Concen: 2.37 ppbv
RT: 8.01 min Scan# 807
Delta R.T. -0.00 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
SS-3DL

Tgt Ion: 78 Resp: 316302

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.1	27.1
50	16.0	13.8	20.8

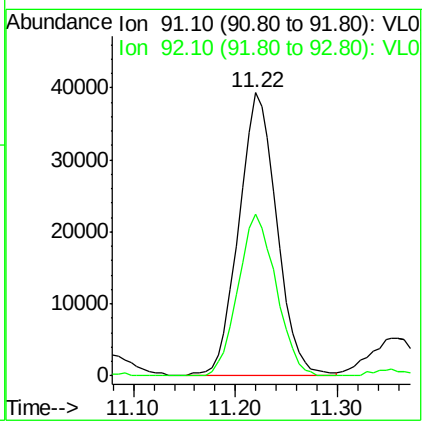


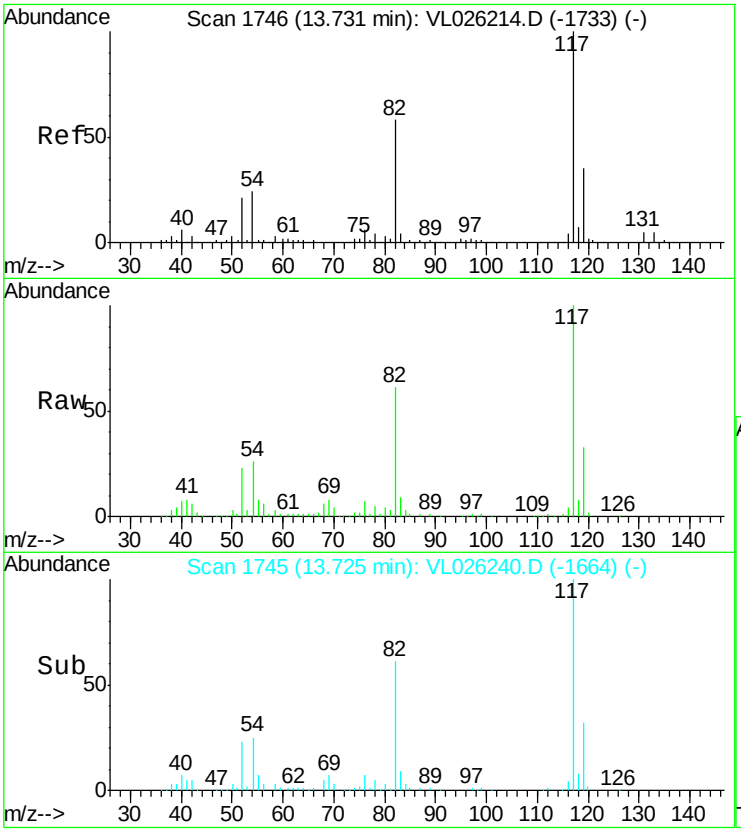


#53
Toluene
Concen: 0.56 ppbv
RT: 11.22 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Tgt Ion: 91 Resp: 102082

Ion	Ratio	Lower	Upper
91	100		
92	56.8	49.2	73.8



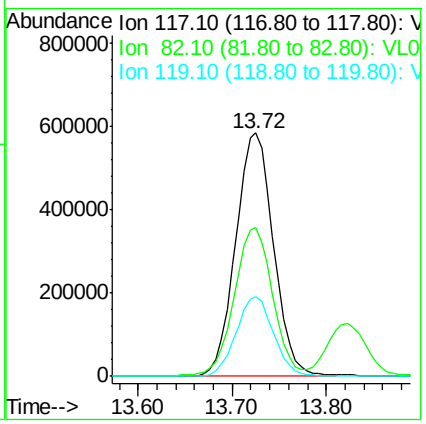


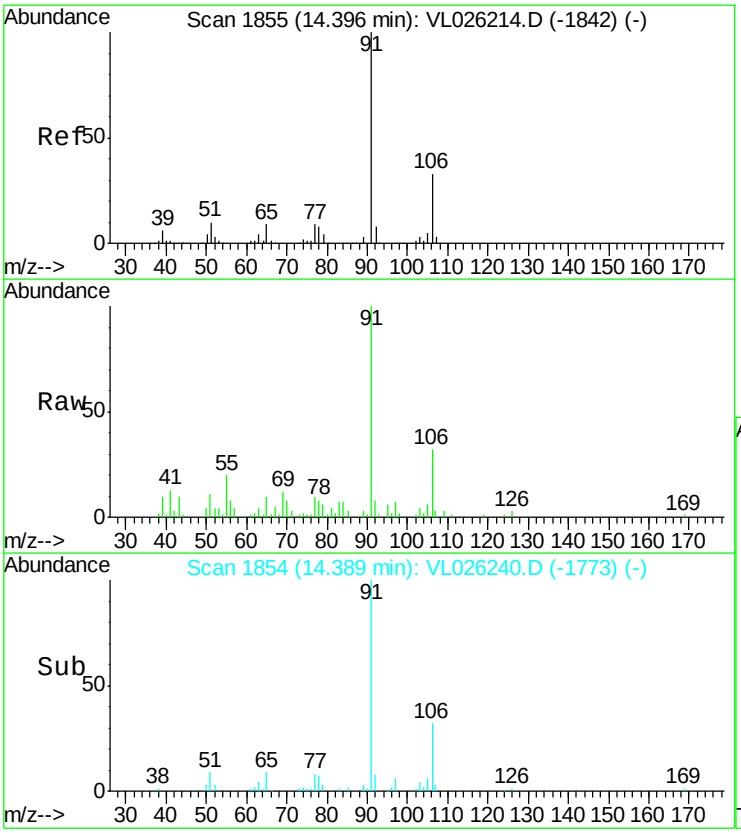
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
SS-3DL

Tgt Ion:117 Resp: 1640174

Ion	Ratio	Lower	Upper
117	100		
82	62.2	45.8	68.8
119	32.7	45.0	67.4#

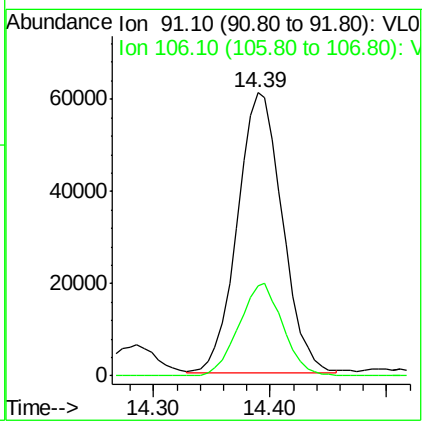


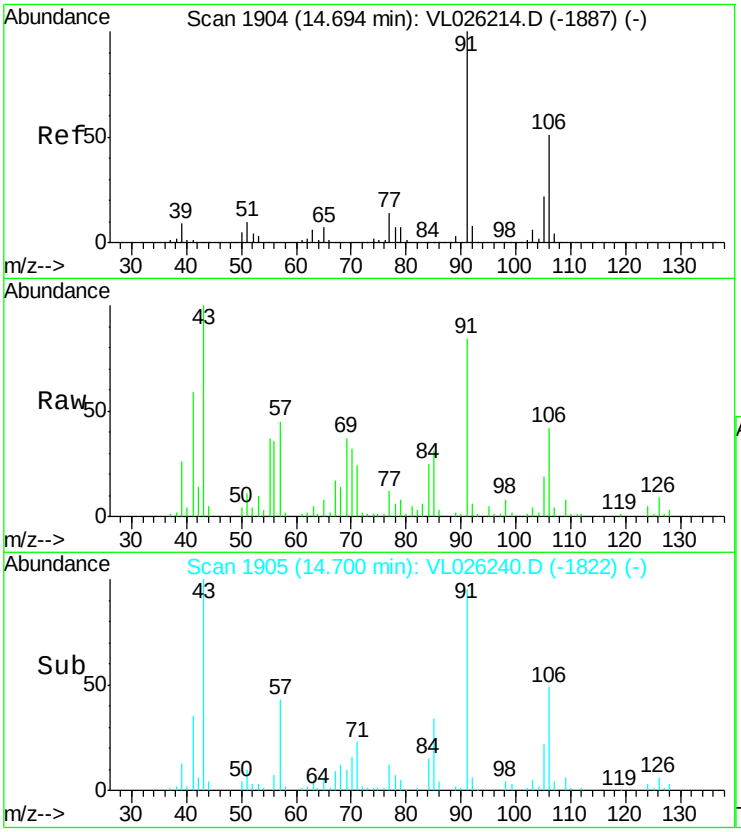


#58
Ethyl Benzene
Concen: 0.62 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Tgt Ion: 91 Resp: 163830

Ion	Ratio	Lower	Upper
91	100		
106	32.4	26.1	39.1



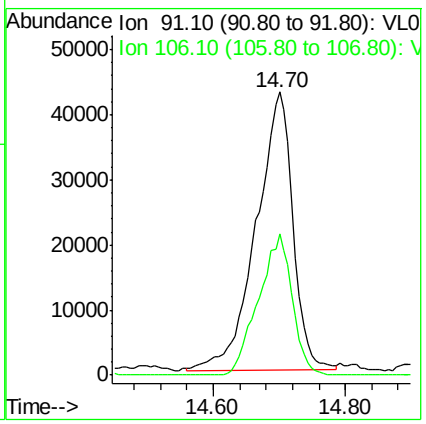


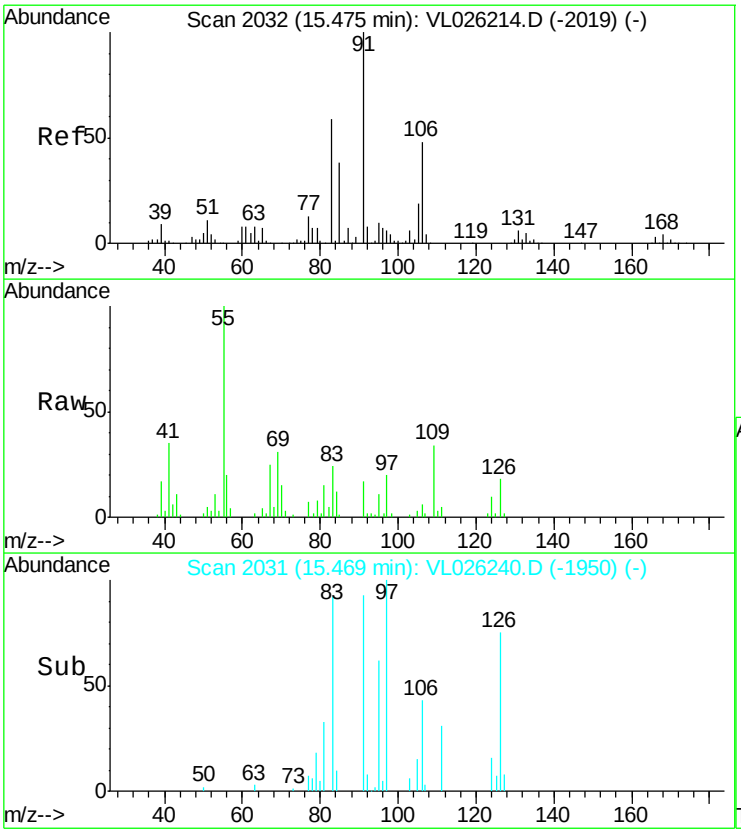
#59
m/p-Xylene
Concen: 0.79 ppbv
RT: 14.70 min Scan# 1905
Delta R.T. 0.01 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
SS-3DL

Tgt Ion: 91 Resp: 165313

Ion	Ratio	Lower	Upper
91	100		
106	46.2	40.6	61.0

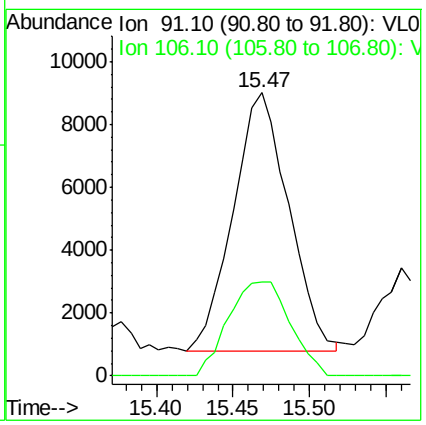


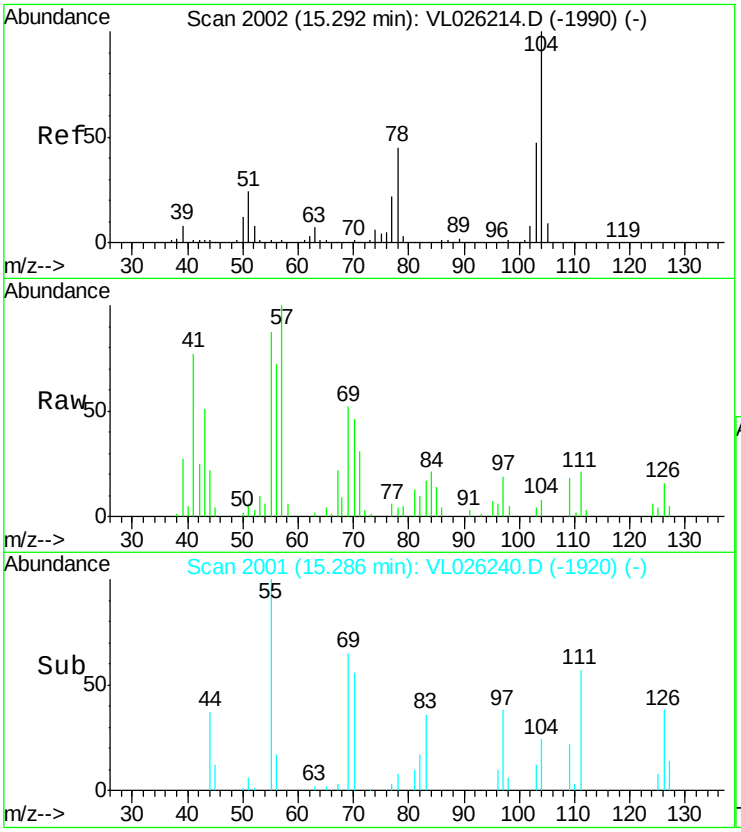


#60
o-Xylene
Concen: 0.10 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. -0.01 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Tgt Ion: 91 Resp: 20750

Ion	Ratio	Lower	Upper
91	100		
106	40.6	23.8	71.5



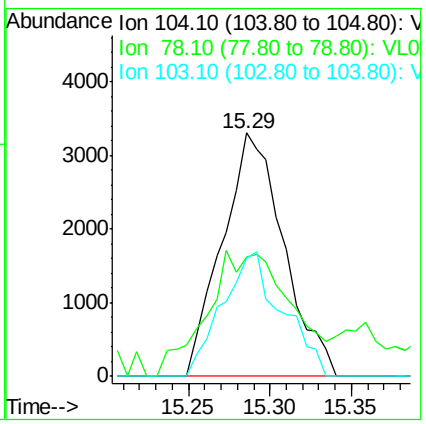


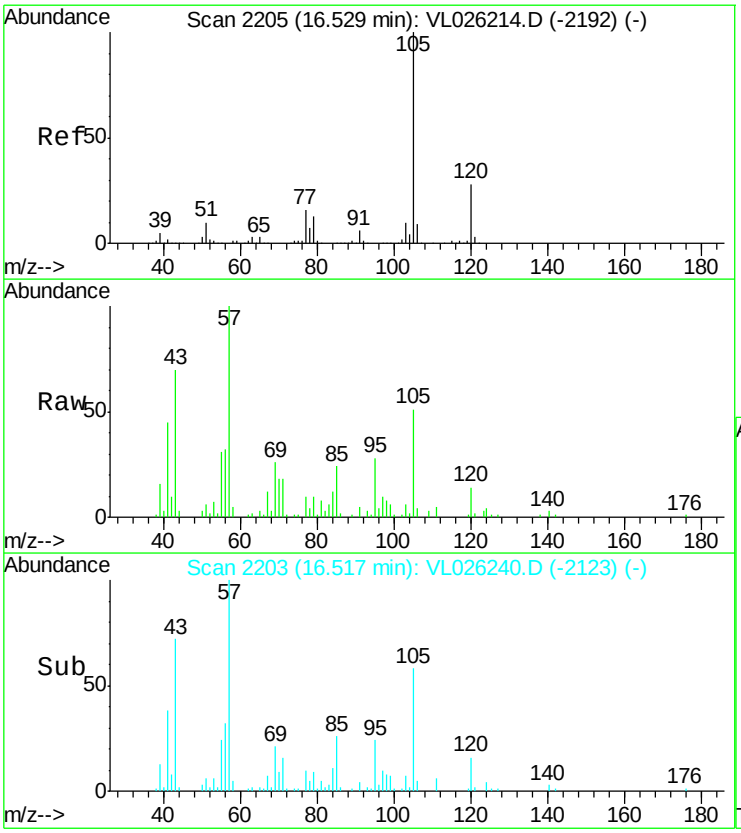
#61
Stvrene
Concen: 0.09 ppbv
RT: 15.29 min Scan# 2001
Delta R.T. -0.01 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
SS-3DL

Tgt Ion:104 Resp: 8657

Ion	Ratio	Lower	Upper
104	100		
78	94.6	35.3	52.9#
103	49.6	37.0	55.4

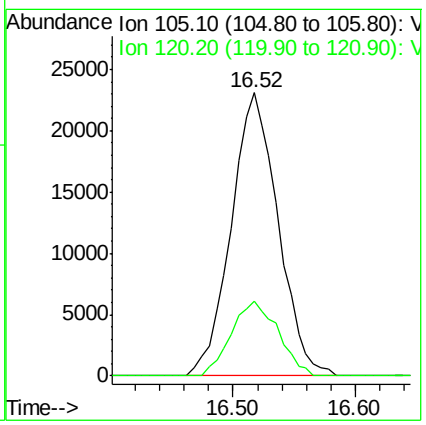


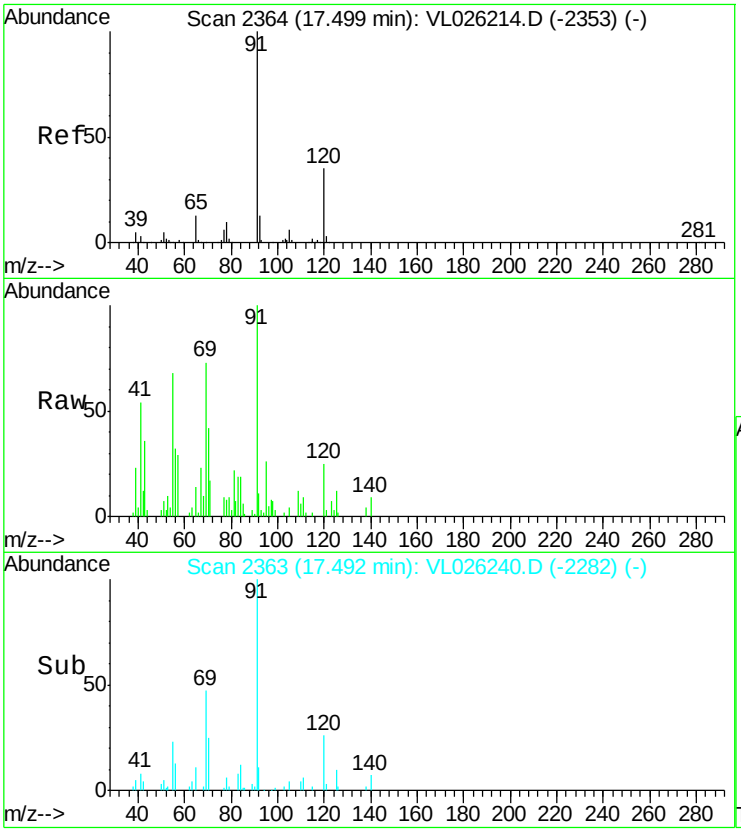


#62
Isopropylbenzene
Concen: 0.20 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Tgt Ion:105 Resp: 61351

Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.8	32.8



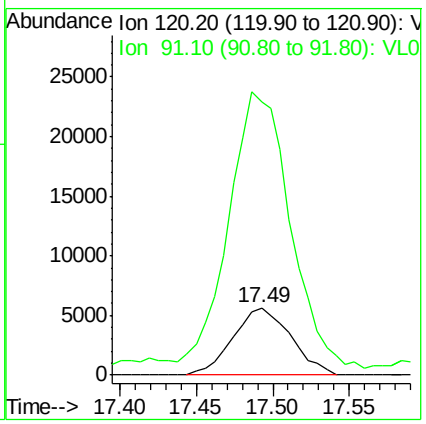


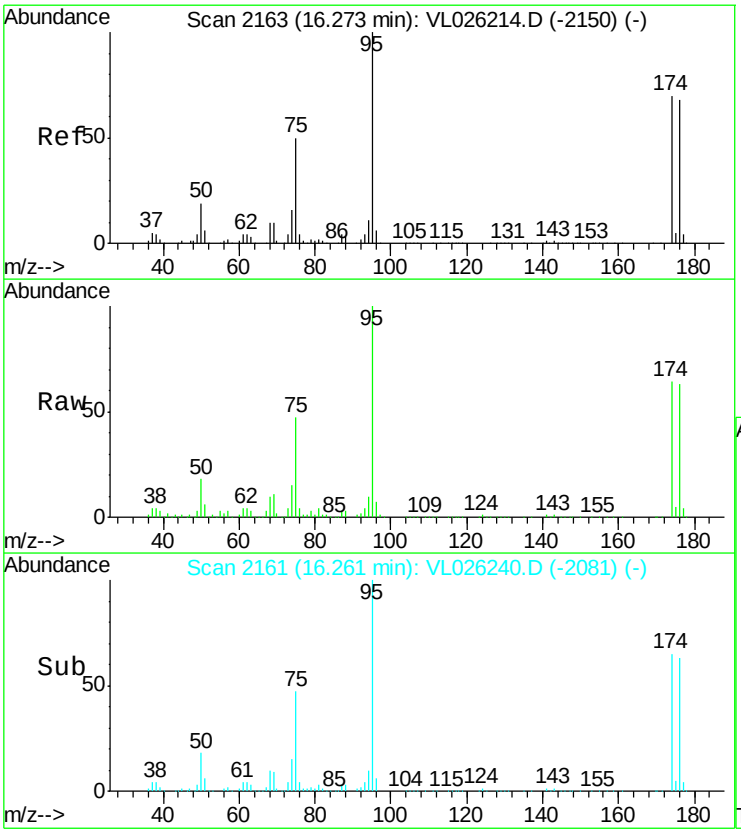
#64
n-propylbenzene
Concen: 0.18 ppbv
RT: 17.49 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
SS-3DL

Tgt Ion:120 Resp: 14825

Ion	Ratio	Lower	Upper
120	100		
91	464.4	331.7	497.5

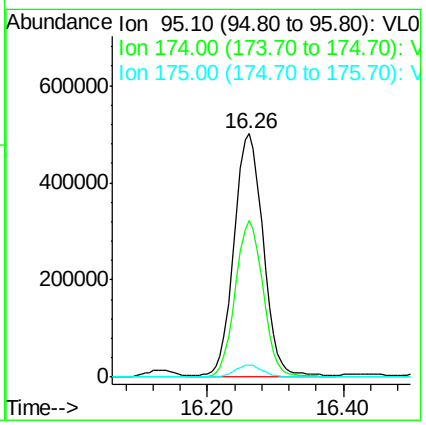


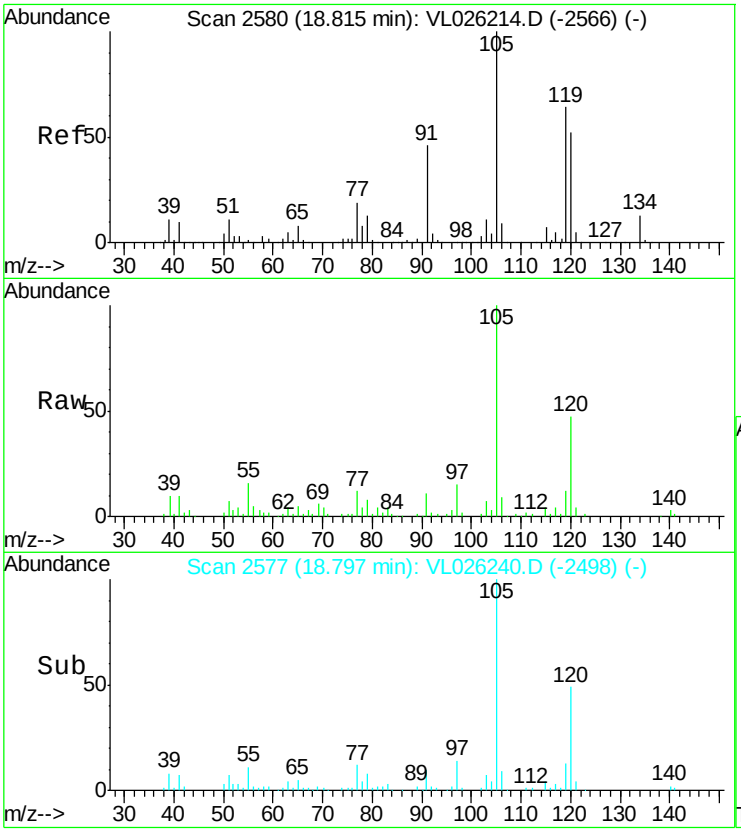


#68
1-Bromo-4-Fluorobenzene
Concen: 11.83 ppbv
RT: 16.26 min Scan# 2161
Delta R.T. -0.01 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Tgt Ion: 95 Resp: 1496436

Ion	Ratio	Lower	Upper
95	100		
174	61.9	55.8	83.8
175	4.7	4.3	6.5





#74
1,2,4-Trimethylbenzene
Concen: 1.06 ppbv
RT: 18.80 min Scan# 2577
Delta R.T. -0.02 min
Lab File: VL026240.D
Acq: 21 Oct 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
SS-3DL

Tgt Ion:105 Resp: 259952

Ion	Ratio	Lower	Upper
105	100		
120	47.2	41.2	61.8
91	10.7	37.2	55.8#
77	12.0	15.6	23.4#